THE SPINAL CORD INJURY MODEL SYSTEMS’ DATA DICTIONARY FOR THE NATIONAL SPINAL CORD INJURY DATABASE

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<td>CHART – live with a spouse or significant other</td>
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<td>BCHSpst</td>
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<td>CHART – Of the people you live with how many are relatives</td>
<td>384</td>
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<td>CHART - Number of Business/Organizational Contacts/Month</td>
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<td>CHART - Number of Contacts/Month With Friends</td>
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<td>CHART - Strangers You Initiated a Conversation With/Month</td>
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<td>Walk for 150 feet in your home</td>
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<td>Walk for one street block outside</td>
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<td>Walk up one flight of steps</td>
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<td>BIndate</td>
<td>1973</td>
</tr>
<tr>
<td></td>
<td>Last Date Record Updated*</td>
<td>461</td>
<td>BUpdate</td>
<td>1973</td>
</tr>
</tbody>
</table>

Form II: 288 variables

*Data management variables automatically generated.
PERSONAL DATA: System ID

VARIABLE NAME: Reporting Model SCI System Identification Code (System ID)

DESCRIPTION: An alphabetic code is assigned to each reporting system by the National Spinal Cord Injury Statistical Center (NSCISC).

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

CHARACTERS: 2
CODES: Assigned individually to each reporting system by the NSCISC.

<table>
<thead>
<tr>
<th>Character</th>
<th>City</th>
<th>Character</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Atlanta</td>
<td>MS</td>
<td>Mt. Sinai</td>
</tr>
<tr>
<td>AA</td>
<td>Ann Arbor</td>
<td>MW</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>B</td>
<td>Birmingham</td>
<td>NJ</td>
<td>New Jersey</td>
</tr>
<tr>
<td>BN</td>
<td>Boston (BMC)</td>
<td>NO</td>
<td>New Orleans</td>
</tr>
<tr>
<td>BS</td>
<td>Boston (Spaulding)</td>
<td>NY</td>
<td>New York (NYU)</td>
</tr>
<tr>
<td>C</td>
<td>Chicago</td>
<td>P</td>
<td>Phoenix</td>
</tr>
<tr>
<td>CM</td>
<td>Columbia</td>
<td>PA</td>
<td>Philadelphia</td>
</tr>
<tr>
<td>CO</td>
<td>Cleveland</td>
<td>PI</td>
<td>Pittsburgh</td>
</tr>
<tr>
<td>D</td>
<td>Denver</td>
<td>R</td>
<td>Rancho (Downey)</td>
</tr>
<tr>
<td>DC</td>
<td>District of Columbia</td>
<td>RO</td>
<td>Rochester</td>
</tr>
<tr>
<td>DM</td>
<td>Detroit</td>
<td>RV</td>
<td>Richmond</td>
</tr>
<tr>
<td>H</td>
<td>Houston</td>
<td>S</td>
<td>Seattle</td>
</tr>
<tr>
<td>LK</td>
<td>Louisville</td>
<td>SJ</td>
<td>San Jose</td>
</tr>
<tr>
<td>MI</td>
<td>Miami</td>
<td>V</td>
<td>Fishersville</td>
</tr>
</tbody>
</table>

COMMENTS: Use only uppercase letters. For systems with a one-character code, use the first character only.

A data form/record must have a System ID and the Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 1
8-Character Description: SiteID
PERSONAL DATA: Patient Number

VARIABLE NAME: Patient Number

DESCRIPTION: The Patient Number is assigned to each patient at the discretion of the reporting System. Each Patient Number must contain 6 characters. Zeros will be used as leading digits to fulfill the 6 character field. No designated numbers are assigned by the NSCISC.

When a new Patient Number is entered and saved, this number should not be re-used for any reason.

CHARACTERS: 6

CODES: To be assigned by the individual reporting system.

COMMENTS: The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the main Personal Data, Record Status, Registry, Form I, and Form II data files.

A data form/record MUST have a System ID and a Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 2
8-Character Description: PatNbr
PERSONAL DATA: 1. Data Entered

VARIABLE NAME: Personal Data Entered

DESCRIPTION: This is a toggle checkbox to verify if personal data will be entered. If it is not checked, all following variables on the Personal Data entry form will be disabled and the only data submitted from this form will be Site ID and Patient Number.

CODES:  
- Checked  Personal Data will be saved
- Not Checked  Personal Data variables are disabled.

REVISION: October 2006: This variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 888
8-Character Description: PDataRcd
PERSONAL DATA: 2. Alternate ID

VARIABLE NAME: Alternate ID

DESCRIPTION: The Alternate ID is an optional variable that may be used by Systems to record another patient identifier (such as a medical record number).

CHARACTERS: 12

CODES: To be assigned by the individual reporting System.

Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

Variable Aliases: For Data Analysis Only

Variable ID: 29
8-Character Description: PAltID
PERSONAL DATA: 3. Patient Name

VARIABLE NAME: Patient Name

DESCRIPTION: This variable documents the patient’s first name, middle initial and last name.

CHARACTERS: 36 characters (12 for first name, 1 for middle initial, 23 for last name)

CODES: Any letter of the alphabet
Blanks are allowed

COMMENTS: Systems are encouraged to add this information to the records of patients who are currently in the database. The consent must include patient permission before this information is exported to the NSCISC. Do not use commas (John Doe, Jr.).

The Patient Name, Social Security Number, Date of Birth, and Zip Codes variables are stored at NSCISC behind a secure password and firewall protected server. The Patient Name, SS#, and Date of Birth variables are used only by the Director of NSCISC to link data from the National SCI Database with data from other sources and to avoid duplicate entry into the National SCI Database. The information is also used to help systems identify study patients after there has been a gap in funding.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2000: this variable was added to the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Character Description:</td>
<td>PFirstNm</td>
<td>PMidInit</td>
<td>PLastNm</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 4. Social Security Number

VARIABLE NAME: Social Security Number

DESCRIPTION: This variable documents the patient’s Social Security Number.

CHARACTERS: 11

CODES: Any valid Social Security number
        Blanks are allowed

COMMENTS: Systems are encouraged to add this information to the records of patients who are currently in the database. Consent must be obtained from the patient before this information is submitted to the NSCISC.

The Patient Name, Social Security Number, Date of Birth, and Zip Codes variables are stored at NSCISC behind a secure password and firewall protected server. The Patient Name, SS#, and Date of Birth variables are used only by the Director of NSCISC to link data from the National SCI Database with data from other sources and to avoid duplicate entry into the National SCI Database. The information is also used to help systems identify study patients after there has been a gap in funding.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2000: this variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 6
8-Character Description: PSSN
PERSONAL DATA: 5. Date of Birth Modifier

VARIABLE NAME: Date of Birth Modifier

DESCRIPTION: This data in this variable are used to define the Date of Birth.

CHARACTERS: 1

CODES:

1 Date Completely Known
9 Date Completely Unknown

Blanks are allowed

COMMENTS: Because the Date of Birth variable does not allow for partial dates (i.e. unknown month, day, or year), there is not a code for Date of Birth Modifier that indicates the existence of partial dates.

Use the unknown code (9) when the Date of Birth it is not known.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2006: This variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 7

8-Character Description: PDOBMod
PERSONAL DATA:  6. Date of Birth

VARIABLE NAME: Date of Birth

DESCRIPTION: This variable documents the patient’s date of birth.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

Blanks are allowed

COMMENTS: Record the month, day, and year of birth.

Systems are encouraged to add this information to the records of patients who are currently in the database. Consent must be obtained from the patient before this information is submitted to the NSCISC.

The Patient Name, Social Security Number, Date of Birth, and Zip Codes variables are stored at NSCISC behind a secure password and firewall protected server. The Name, SS# and Date of Birth variables are used only by the Director of NSCISC to link data from the National SCI Database with data from other sources and to avoid duplicate entry into the National SCI Database. The information is also used to help systems identify study patients after there has been a gap in funding.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2000: this variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 8

8-Character Description: PDOB
PERSONAL DATA: 7. Current Address (1 & 2)

VARIABLE NAME: Current Address

DESCRIPTION: The Current Address 1 and Address 2 are optional variables that may be used by Systems to record the patient’s current address.

CHARACTERS: 30 for each entry, 2 entries

CODES: Any valid address
Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

Do not use commas (i.e., 123 Address Street, Apt 4).

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>8-Character Description</th>
<th>Address1</th>
<th>Address2</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>PAddrss1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>PAddrss2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PERSONAL DATA: 8. Current City

VARIABLE NAME: Current City of Residence

DESCRIPTION: The Current City of Residence is an optional variable that may be used by Systems to record the patient’s current city of residence.

CHARACTERS: 20

CODES: Any valid city

Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

Variable Aliases: For Data Analysis Only

Variable ID: 32
8-Character Description: PCityCr
PERSONAL DATA: 9. Current State

VARIABLE NAME: Current State of Residence

DESCRIPTION: The Current State of Residence at is an optional variable that may be used by Systems to record the patient’s current state of residence.

CHARACTERS: 2

CODES: Any valid state abbreviation
Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

Variable Aliases: For Data Analysis Only

Variable ID: 33
8-Character Description: PStateCr
PERSONAL DATA: 10. Current Zip + Zip Extension

VARIABLE NAME: Current Zip Code and Extended Zip Code for Current Residence

DESCRIPTION: The Current Zip Code is an optional variable that may be used by Systems to record the patient’s current zip code.

CHARACTERS: 5 for the zip code
4 for the extended zip code.

CODES: Any valid zip code/extended zip code combination

Blanks are allowed

COMMENTS: Extended zip codes may be found using the following website: www.usps.com

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

The Patient Name, Social Security Number, Date of Birth, and Zip Codes variables are stored at NSCISC behind a secure password and firewall protected server. The Name, SS# and Date of Birth variables are used only by the Director of NSCISC to link data from the National SCI Database with data from other sources and to avoid duplicate entry into the National SCI Database. The information is also used to help systems identify study patients after there has been a gap in funding.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Zip Code</th>
<th>ZipE</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>PZipInjy</td>
<td>PZpXInj</td>
</tr>
<tr>
<td>35</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PERSONAL DATA: 11. Current Phone (1 & 2)

VARIABLE NAME: Current Telephone Number

DESCRIPTION: The Telephone Number is an optional variable that may be used by Systems to record the patient’s current telephone number.

CHARACTERS: 10 for each entry, 2 entries

CODES: Any valid telephone number

Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2011: Phone2 was added.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Phone1</th>
<th>Phone2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID</td>
<td>36</td>
<td>1814</td>
</tr>
<tr>
<td>8-Character Description</td>
<td>PPhoneCr</td>
<td>PPhone2</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 12. Current Email Address

VARIABLE NAME: Current Email Address

DESCRIPTION: The Current Email Address is an optional variable that may be used by the Systems to record the patient’s current email address.

CHARACTERS: 30

CODES: Any valid email address

Blanks are allowed

COMMENTS: This information is being provided for the benefit of those who will be analyzing their local database. This variable is stored at NSCISC behind a secure password and firewall protected server. The data will never be included in the National Database (data that is analyzed by researchers).

REVISIONS: October 2006: This variable was added to the (local) database. Systems are encouraged to add the information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

Variable ID: 37
8-Character Description: PEmail
PERSONAL DATA: 13. Contact(s) Name

VARIABLE NAME: Complete Name for Contact 1, Contact 2, and Contact 3

DESCRIPTION: This variable documents the complete name for 3 persons who may know the whereabouts of the patient. Systems are encouraged to add this information to the records of patients who are currently in the database.

CHARACTERS: 30 characters for each contact, 3 entries

CODES: Any character

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: March 2005: these variables were added to the database. Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47</td>
<td>58</td>
<td>69</td>
</tr>
<tr>
<td>8-Character Description</td>
<td>PC1Name</td>
<td>PC2Name</td>
<td>PC3Name</td>
</tr>
</tbody>
</table>

NSCISC: 10/2011 15
PERSONAL DATA: 14. Relationship to patient for Contacts 1, 2 & 3

VARIABLE NAME: Relationship to patient for Contacts 1, 2 & 3

DESCRIPTION: This variable documents the relationship to the patient for 3 persons who may know the whereabouts of the patient.

CHARACTERS: 30 characters for each entry, 3 entries

CODES: Any character

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2006: This variable was added to the (local) database.

Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>48</td>
<td>59</td>
<td>70</td>
</tr>
<tr>
<td>8-Character Description</td>
<td>PC1Rel</td>
<td>PC2Rel</td>
<td>PC3Rel</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 15. Contact(s) Address

VARIABLE NAME: Address 1 and 2 for Contact 1, 2 & 3

DESCRIPTION: Current addresses for 3 persons who may know the whereabouts of the patient.

CHARACTERS: 30 for each entry, 6 entries

CODES: Any character

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: March 2005: these variables were added to the database.

Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Address1</td>
<td>Address2</td>
<td>Address1</td>
</tr>
<tr>
<td>50</td>
<td>51</td>
<td>61</td>
<td>62</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>PC1Adrs1</td>
<td>PC1Adrs2</td>
<td>PC2Adrs1</td>
</tr>
</tbody>
</table>
PERSONAL DATA:  16. Contact(s) City

VARIABLE NAME:  City of Residence for Contact 1, 2 & 3

DESCRIPTION:  The Current City of Residence for 3 persons who may know the whereabouts of the patient.

CHARACTERS:  20 for each entry, 3 entries

CODES:  Any character

Blanks are allowed

COMMENTS:  This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS:  March 2005: these variables were added to the database.

Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases:  For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>63</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>8-Character Description</td>
<td>PC1City</td>
<td>PC2City</td>
<td>PC3City</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 17. Contact(s) State

VARIABLE NAME: State of Residence for Contact 1, 2 & 3

DESCRIPTION: The Current State of Residence for 3 persons who may know the whereabouts of the patient.

CHARACTERS: 2 for each entry, 3 entries

CODES: Any valid state abbreviation

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: March 2005: these variables were added to the database.

Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID: 53</td>
<td>64</td>
<td>75</td>
</tr>
<tr>
<td>8-Character Description: PC1State</td>
<td>PC2State</td>
<td>PC3State</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 18. Contact(s) Zip/ZipE

VARIABLE NAME: Zip Code and Extended Zip Code for Contact 1, 2, and 3

DESCRIPTION: The Current Zip Code and Extended Zip Code of Residence for 3 persons who may know the whereabouts of the patient.

CHARACTERS: 5 for each zip code entry, 3 entries
4 for each extended zip code entry, 3 entries

CODES: Any valid zip code
Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: March 2005: these variables were added to the database.
Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Contact1 Zip</th>
<th>Contact1 ZipE</th>
<th>Contact2 Zip</th>
<th>Contact2 ZipE</th>
<th>Contact3 Zip</th>
<th>Contact3 ZipE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zip</td>
<td>PC1Zip</td>
<td>PC1ZipX</td>
<td>PC2Zip</td>
<td>PC2ZipX</td>
<td>PC3Zip</td>
<td>PC3ZipX</td>
</tr>
<tr>
<td>ZipE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PERSONAL DATA: 19. Contact(s) Telephone

VARIABLE NAME: Telephone Number for Contact 1, 2 and 3

DESCRIPTION: The Current Telephone Number for 3 persons who may know the whereabouts of the patient.

CHARACTERS: 10 for each entry, 3 entries

CODES: Any valid telephone number

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: March 2005: these variables were added to the database.

Systems are encouraged to add this information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8-Character Description: PC1Phone PC2Phone PC3Phone
PERSONAL DATA: 20. Contact(s) Email Address

VARIABLE NAME: Current Email Address for Contact 1, 2, and 3

DESCRIPTION: The Current Email Address for 3 persons who may know the whereabouts of the patient

CHARACTERS: 30 for each entry, 3 entries

CODES: Any valid email address

Blanks are allowed

COMMENTS: This information should be obtained at the time the patient agrees to participate in this study and it should be updated as needed.

Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2006: These variables were added to the database. Systems are encouraged to add the information to the records of patients who are currently in the database.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Contact1</th>
<th>Contact2</th>
<th>Contact3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>49</td>
<td>60</td>
<td>71</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>PC1Email</td>
<td>PC2Email</td>
<td>PC3Email</td>
</tr>
</tbody>
</table>
PERSONAL DATA: 21. Patient Notes

VARIABLE NAME: Patient Notes

DESCRIPTION: This is an optional variable that allows systems to save additional patient data that is not included in the national database file (e.g. notes on a patient’s preference for appointment time, etc.).

CHARACTERS: Blanks are allowed

FORMAT: Text

COMMENTS: This information may be updated at any time.
Do not use commas.

This information is being provided for the benefit of those who will be analyzing their local database and will never be included in the National Database. Data are stored at NSCISC behind multiple layers of security and firewalls using secure password protection.

REVISIONS: October 2011: This variable’s character count was increased.

Variable Aliases: For Data Analysis Only

Variable ID: 43
8-Character Description: PNotes
PERSONAL DATA: QC Status

VARIABLE NAME: Quality Control (QC) Status

DESCRIPTION: This is a computer-generated variable to determine which records have passed QC. Only those records that have passed QC are included in the NSCISC reports and National Database (data used for research analysis).

CHARACTERS: 1
CODES: 1 Not passed QC
2 Passed QC

COMMENTS: This is a data management variable that is generated by the NSCISC. Users are not allowed to modify this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 44
8-Character Description: PQCStat
VARIABLE NAME: Record Indate

DESCRIPTION: This is the date on which each Personal Data record is first entered into the database. It is a data management variable that is generated by the NSCISC. Once entered, this date never changes.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any Valid Date

COMMENTS: Prior to October 2000 this variable is blank/missing.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable.

REVISIONS: October 2000: This variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 45

8-Character Description: PIndate
PERSONAL DATA: Update

VARIABLE NAME: Record Update

DESCRIPTION: This is the last date on which an existing record was modified. This date changes each time a record is modified and saved.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any Valid Date

COMMENTS: This is a data management variable that is generated by the NSCISC. Users are not allowed to modify this variable.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable (even if changes have not been made to the record.) Select “Exit without saving data” if you do not want the Update date to change.

REVISIONS: October 2000: This variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 46
8-Character Description: PUpdate
**VARIABLE NAME:** Reporting Model SCI System Identification Code (System ID)

**DESCRIPTION:**
An alphabetic code is assigned to each reporting system by the National Spinal Cord Injury Statistical Center (NSCISC).

The *System ID* and the *Patient Number* are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

**CHARACTERS:** 2

**CODES:**
Assigned individually to each reporting system by the NSCISC.

<table>
<thead>
<tr>
<th>Code</th>
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<th>City</th>
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<td>Fishersville</td>
</tr>
</tbody>
</table>

**COMMENTS:**
Use only uppercase letters. For systems with a one-character code, use the first box only (leave the second box blank).

A data form/record must have a *System ID* and the *Patient Number* before it will be processed by the National Spinal Cord Injury Statistical Center.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1

8-Character Description: SiteID
RECORD STATUS: Patient Number

VARIABLE NAME: Patient Number

DESCRIPTION: The Patient Number is assigned to each patient at the discretion of the reporting System. Each Patient Number contains 6 characters. No designated numbers are assigned by the NSCISC.

CHARACTERS: 6

CODES: To be assigned by the individual reporting system.

COMMENTS: Never recycle a patient number after it has been entered and saved.

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the main Personal Data, Record Status, Registry, Form I, and Form II data files.

A data form/record MUST have a System ID and a Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 2
8-Character Description: PatNbr
RECORD STATUS: 1. Vital Status Source

VARIABLE NAME: Vital Status Source

DESCRIPTION: The data in this variable identifies the source of the Vital Status Date.

CHARACTERS: 1

CODES:

- **0**: No Date of Discharge yet *(default)*
- **1**: Registry Date of Discharge
- **2**: Form I Date of Discharge
- **3**: Last Form II Not Lost - Exam Date
- **4**: Last Form II Not Lost - Interview Date
- **5**: Last Form II with Contact *(Anniversary of Injury)*
- **6**: Date Entered by Data Collector *(SSDI, public records, or contact)*
- **9**: Date of Death Modifier *(when modifier does not =8)*

COMMENTS: Update this variable with code ‘6. Entered by Data Collector’ when:
1. a SSDI or public records search is completed with no indication of death and a Lost Form II with Reasons Lost = 4, 9, 10, 11, or 12 is entered, or
2. contact with the participant is made in off years (Anniversary years that are not follow-up years 2, 3, 4, 6 …).

Codes 3 and 4 supersede code 5 in the same anniversary year.

This variable will be used in conjunction with other data to update the mortality tables in the NSCISC Annual Reports.

SOFTWARE: NSCISC automatically updates this variable with the most recent source:
1. Date of Death Modifier is not coded 8 *(Date of Death overrides all other updates).*
2. A followed Form II is entered. Code 3 (Exam date) is used when no Interview Date is entered. Code 4 (Interview Date) is used when no Exam Date is entered. If both Exam and Interview Dates are entered, then the later date is used.
3. A Form II with contact (affirming participant is alive) is entered. Last Form II is Lost with Reason Lost = 1, 2, 5, 6, or 8 OR last Form II is not Lost but Interview/Exam Date is unknown.
4. Discharge dates are used if no Form IIs are entered that meet the criteria above (Reasons Lost = 3, 4, 7, 9, 10, 11, 12, 97, 98, 99).

No further update is performed by NSCISC after a participant is coded ‘Deceased’, or the last Form II is coded Reason Lost = ‘6. Withdrawn Consent’. Sites may continue to update their records by searching for death information, per their IRB.

REVISIONS: October 2011: This variable was added to the database.

CONVERSIONS: October 2011: Records with Indates prior to October 2011 were updated using the most recent: Date of Death, followed Form II, or Last Form II with contact.

Variable Aliases: For Data Analysis Only
Variable ID: 1796
8-Character Description: SVitSrce
RECORD STATUS: 2. Form II Anniversary Year Used

VARIABLE NAME: Form II Anniversary Year Used for Vital Status Date

DESCRIPTION: This variable specifies the anniversary year used to populate the Vital Status Date. This is a management variable populated by the NSCISC.

CHARACTERS: 2

CODES: 0 Form II Not Used

Any valid anniversary year (includes off years 2, 3, 4, 6, ..)

COMMENTS: Data collectors never update this variable.

The NSCISC uses the anniversary year of the most recent followed Form II or the last Form II with participant contact to populate this variable.

When this variable equals ‘0’, the participant is deceased or there are no Form IIs (Vital Status Source = 0, 1, 2) OR the Form II is not qualified to populate the Vital Status Date (no Form IIs entered have participant contact).

SOFTWARE: The NSCISC software updates this variable using the most recent followed Form II or last Form II with participant contact. Otherwise, this variable is ‘0’.

REVISIONS: October 2011: This variable was added to the database.

CONVERSIONS: October 2011: Previously entered records were updated using the most recent: Date of Death, Followed Form II, or last qualifying Lost Form II.

Variable Aliases: For Data Analysis Only

Variable ID: 1797

8-Character Description: SVitF2Yr
VARIABLE NAME: Vital Status Date

DESCRIPTION: This variable specifies the date of the participant’s most recent vital status update. The Vital Status Date signifies the last known date a participant is:

- deceased, or
- searched for in SSDI or public records and not found deceased, or
- contacted

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

Blank (Vital Status Source = 0 or Date of Death Modifier = 9. Unknown)

COMMENTS: This variable documents vital status date using the most recent:

- Date of Death, or
- Date contact was made (entered by data collector), or
- Date a public records or SSDI search performed with no indication of death (entered by data collector), or
- Date of the Form II interview or exam (most recent date), or
- Date of Discharge if no Form IIs are entered,

OR

- Anniversary Year (plus Injury Date) of the last Form II where contact was made

Data collectors enter the date the SSDI or public records search took place, or the date that contact was made (if more recent than the current Vital Status Date).

Last Form II with participant contact includes Form IIs coded Reason Lost = ‘1. Patient refused/withdrew consent’ or ‘2. Incarcerated’ or ‘5. Patient Refused This Time’, or ‘6. Withdrawn Consent’, or ‘8. Contact Made but survey not completed’. These codes affirm the participant’s status is alive.

This variable will be used in conjunction with other data to update the mortality tables in the NSCISC Reports and other research.

See Follow-up Policy for requirements of searching for participants.

SOFTWARE: The NSCISC software updates this variable with the most recent: Date of Death, Date of Discharge, or a Form II exam or interview date, or a Lost Form II with Reasons Lost = 1, 2, 5, 6, or 8. Default is blank when Personal Data is the only Form entered.

REVISIONS: October 2011: This variable was added to the database.
RECORD STATUS: 3. Vital Status Date
(page 2 of 2)

VARIABLE NAME: Vital Status Date

CONVERSIONS: October 2011: Previously entered records were updated using the most recent date: Date of Death, Date of Discharge, or a Form II exam or interview date, or the last Form II with participant contact.

Variable Aliases: For Data Analysis Only

Variable ID: 1798
8-Character Description: SVitDate
VARIABLE NAME: Date of Death Modifier

DESCRIPTION: The data in this variable are used to define the Date of Death. This data identifies whether the Date of Death is a completely known date or partially known date.

CHARACTERS: 1

CODES:  
1 Date completely known  
2 Day Unknown  
3 Month and Day unknown  
8 Not Applicable, Patient alive  
9 Patient deceased but date is unknown  
Blank Personal Data Only

COMMENTS: Unknown year of death is NOT acceptable for this variable. An unknown Date of Death Modifier does not classify a participant as deceased in the Follow-up Tracking Report; at a minimum, identify the year of death.  
If the month and day is unknown, Code 3 should be used. If the day is unknown Code 2 should be used.

SOFTWARE: When the software creates a new record, the default code is blank. When a Registry or Form I is created, the ‘alive’ (code 8) is inserted into this variable and Cause of Death is updated to ‘888.8’. Update this variable if the patient dies.  
When Code 2, Day Unknown, is used for the Date of Death Modifier variable, the software will insert an arbitrary date of 15 into the day field of the Date of Death variable. Similarly, when Code 3, Month and Day Unknown, is used, an arbitrary month and day of 12/15 will be inserted into the month and day fields of the Date of Death variable.

QC: If the Form I Place of Residence variable = ‘7, Deceased’, then the Resides in Catchment Area variable MUST = ‘8, Not Applicable, patient discharged as deceased’ and Date of Death Modifier MUST NOT = ‘8, N/A, patient alive’.

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

CONVERSIONS: October 2006: All existing Dates of Death were converted to the new coding scheme set forth by the Date of Death Modifier.  
October 2011: Registry and Form I Date of Death Modifiers were moved to the Record Status Date of Death Modifier.

Variable Aliases: For Data Analysis Only
Variable ID: 1799
8-Character Description: SDthDtMd
RECORD STATUS:  5. Date of Death

VARIABLE NAME:  Date of Death
DESCRIPTION:  This variable specifies the patient’s date of death.
CHARACTERS:  10
FORMAT:  mm/dd/yyyy
CODES:  Any valid date
          Blank (Not deceased, deceased but date unknown, Personal Data only)
COMMENTS:  This variable is to be used to document the date of death for Registry and Form I participants who die during initial hospitalization or during the follow-up period.
          See Appendix D for tips on tracking patients (from internet sources, etc.).
SOFTWARE:  When Code 2, Day Unknown, is used, the software will insert an arbitrary
date of 15 into the day field in the Date of Death variable.  Similarly,
when Code 3, Month and Day Unknown, is used, an arbitrary month and
day of 12/15 will be inserted into the month and day fields in the Date of
Death variable.
REVISIONS:  October 2006:  The Date of Death Modifier was added to the database to
indicate partial dates in Date of Death variable.  Partial dates receive an
arbitrary day or month and day in the respective fields of the Date of
Death variable.  This allows for consistent date formatting.
CONVERSIONS:  October 2011: Registry and Form I Date of Death were moved to the
Record Status Date of Death.
QC:  If the patient dies during System, the Date of Death will be the same as the
      Date of Discharge.
      If the Date of Death Modifier is coded ‘8, Not Applicable, Patient Alive’,
      the Date of Death must = ‘Blank’.
      If the Date of Death Modifier is coded ‘9, Unknown’, the Date of Death
      must = ‘Blank’.
VariableAliases:  For Data Analysis Only

Variable ID:  1800
8-Character Description:  SDthDt
VARIABLE NAME: Cause(s) of Death

DESCRIPTION: This variable documents cause(s) of death by diagnosis.

Write out the diagnoses in the spaces provided and code each diagnosis according to the current International Classification of Diseases, (ICD-10).

CHARACTERS: 5 for each cause

CODES:

- **888.8** Not applicable, patient alive (in coding position #1 only)
- **999.9** Unknown (in coding position #1 only)
- Blank (Personal Data only, coding positions #2 through #5)

COMMENTS: The primary cause of death should be coded in the first position (1) with other pathologic conditions contributing to the patient’s demise listed as secondary diagnoses (positions 2 through 5).

Code exactly as written in ICD 10 (do not add or subtract zeros). Find codes at [http://apps.who.int/classifications/apps/icd/icd10online/](http://apps.who.int/classifications/apps/icd/icd10online/).

The primary cause of death should reflect autopsy findings (if available). See additional information in the “Guidelines for Coding Primary Cause of Death”.

This variable is to be used to document the Cause(s) of Death for any patient who dies either during initial hospitalization or during the follow-up period.

A code in coding position #1 is mandatory unless Personal Data form is the only data entered.

Codes 999.9 and 888.8 are allowed only in coding position #1. When either code is entered in coding position #1, no codes are allowed in coding positions 2 to 5. The decimal point is stored in this variable.

Guidelines for coding Cause of Death and a list of the top 50 codes used in the SCIMS database are in Standard Operating Procedures and Policies.

REVISIONS: October 2011: converted from ICD9 CM to ICD10. Form I Cause of Death was moved to Record Status. Form Is with unknown Cause of Death were updated using data from a complimentary Survival database.

October 1990: converted from ICDA8 codes to ICD9CM codes.

SOFTWARE: The default value is blank when the Personal Data form is created, and code “alive” (888.8) is inserted in this variable when a Registry or Form I is created.

<table>
<thead>
<tr>
<th>Variable Aliases: For Data Analysis Only</th>
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<tbody>
<tr>
<td><strong>Variable ID</strong></td>
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</tr>
<tr>
<td>Primary Cause of Death</td>
</tr>
<tr>
<td>Cause of Death (2)</td>
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<tr>
<td>Cause of Death (3)</td>
</tr>
<tr>
<td>Cause of Death (4)</td>
</tr>
<tr>
<td>Cause of Death (5)</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Patient Current Status

DESCRIPTION: This variable indicates the status of the participant and indicates if follow up is required. The list is in hierarchical order, that is, Deceased supersedes all other codes.

CHARACTERS: 13

CODES:
- **Personal Data** Only Personal Data entered
- **Deceased** Date of Death Modifier is not 8
- **Normal** Neuro Impairment at Discharge = 7 (Form I or Registry)
- **Minimal** Neuro Impairment at Discharge = 3 or 6 (Form I or Registry)
- **Norm-Min** Category of Care on any Form II = 8 or if no Form IIs, Neuro Impairment at Discharge = 8 (Form I or Registry)
- **Registry** Withdrew Consent when Last Form II Reason Lost is 6
- **ID Unknown** when Last Form II Reason Lost is 7
- **Eligible** Form II is required (and none of the above apply)

Lost Eligible with last Form II Category of Care = 5 (and none of the above apply)

COMMENTS: This information is provided primarily for the user as a quick method to determine a patient’s follow-up data submission status.

- Deceased supersedes all other codes. Normal, Minimal, and Norm-Min supersede all other codes except Deceased, etc.
- This variable is generated by the NSCISC’s software and users are not able to modify this data. This variable is used by the software for data management/data reporting purposes.

Variable Aliases: For Data Analysis Only

Variable ID: 1789
8-Character Description: SStatCur
VARIABLE NAME: Form I/Registry
DESCRIPTION: This variable indicates if a participant has a Registry or Form I record.
CHARACTERS: 1
CODES:
  0  Personal Data Only
  1  Form I record
  2  Registry record
COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is needed by the software for data management/data reporting.

Variable Aliases: For Data Analysis Only

Variable ID: 1790
8-Character Description: SF1Reg
RECORD STATUS: 9. Form IIs Followed

VARIABLE NAME: Number of Form IIs Followed

DESCRIPTION: This variable tallies the number of Form IIs Followed (Category of Care = 1, 4, 8 or 9) and includes Form IIs collected in non-required years and records that do not pass QC. Form IIs entered as Lost (Category of Care = 5) are not included.

CHARACTERS: 2

CODES:

0 No Form II records

0 to 45 Valid range

COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is needed by the software for data management/data reporting.

Variable Aliases: For Data Analysis Only

Variable ID: 1791
8-Character Description: STtF2sNL
VARIABLE NAME: Anniversary Year for the Last Form II Followed

DESCRIPTION: This is the Anniversary/Post-injury Year for the last Form II Followed (Category of Care = 1, 4, 8 or 9) and includes Form IIs collected in non-required years and records that do not pass QC. Form IIs entered as Lost are not included.

CHARACTERS: 2

CODES:

- 0 No followed Form II records
- 0 to 45 Valid range

COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is needed by the software for data management/data reporting purposes.

Variable Aliases: For Data Analysis Only

Variable ID: 1792
8-Character Description: SLasF2NL
RECORD STATUS: 11. Last Form II

VARIABLE NAME: Anniversary Year for the Last Form II

DESCRIPTION: This is the Anniversary/Post-injury Year for the last Form II, regardless of Category of Care, that has been entered. This includes Followed and Lost records, Form IIs collected in non-required years and records that do not pass QC.

CHARACTERS: 2

CODES:
- 0  No Form II records
- 0 to 45  Valid range

COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is needed by the software for data management/data reporting purposes.

Variable Aliases: For Data Analysis Only

Variable ID: 1793
8-Character Description: SLasF2
VARIABLE NAME: Last Form II Category of Care

DESCRIPTION: This is the Category of Care for the last Form II that was entered. This includes Followed and Lost records, Form IIs collected in non-required years and records that do not pass QC.

CHARACTERS: 1

CODES:
0 No Form II records
1 Primary or Major Consulting Care
4 Data Collection Only: (Survey Only)
5 Lost to System
8 Not Applicable, Neuro Recovered
9 Unknown

COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is needed by the software for data management/data reporting purposes.

Variable Aliases: For Data Analysis Only

Variable ID: 1794
8-Character Description: SLasF2CC
VARIABLE NAME: Last Form II Reason for Lost

DESCRIPTION: This is the Reason for Lost for the last followed Form II that was entered. This includes Followed and Lost records.

CHARACTERS: 2

CODES:
0  No Form II record
1  Patient refused/withdrew consent (Not valid after 2/1/2007)
2  Patient incarcerated and not available
3  Unable to contact (Not valid after 10/1/2011)
4  Other
5  Patient declined to complete the interview at this time
6  Patient withdrew consent (No further data collection required)
7  Identity Information Lost Due to Break in Funding (re-funded Centers)
8  Contact made but does not complete survey
9  Attempted contact but language barrier prevented collection
10  Attempted contact but moved out of country
11  No contact - Apparently valid contact information
12  No contact - No valid contact information - see Policy
88  Not applicable. Category of Care not coded “5” (use this code if Category of Care=”1”, “4”, “8”, or “9”)
97  Identity unknown to NSCISC (NSCISC only)
98  Break in Funding (NSCISC only)
99  Unknown - This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.

COMMENTS: This variable is generated by the NSCISC’s software and users are not allowed to modify this data. This variable is used for data management/data reporting purposes.

Variable Aliases: For Data Analysis Only

Variable ID: 1795
8-Character Description: SLasF2Rs
VARIABLE NAME: Quality Control (QC) Status

DESCRIPTION: This is a computer-generated variable to determine which records have passed QC. Only those records that have passed QC are included in the NSCISC reports and National Database (data used for research analysis).

CHARACTERS: 1

CODES:
1 Not passed QC
2 Passed QC

COMMENTS: This is a data management variable that is generated by the NSCISC. Users are not allowed to modify this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 1815
8-Character Description: SQCStat
VARIABLE NAME: Status Record Indate

DESCRIPTION: This is the date on which each Personal Data record is first entered into the database. It is a data management variable that is generated by the NSCISC. Once entered, this date never changes.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any Valid Date

COMMENTS: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable.

REVISIONS: November 2012: This variable was added to the database and inserted Personal Data Indate into Record Status Indate.

Variable Aliases: For Data Analysis Only

Variable ID: 1806

8-Character Description: SIndate
**VARIABLE NAME:** Status Record Update

**DESCRIPTION:** This is the last date on which an existing record was modified. This date changes each time a record is modified and saved.

**CHARACTERS:** 10

**FORMAT:** mm/dd/yyyy

**CODES:** **Any Valid Date**

**COMMENTS:** This is a data management variable that is generated by the NSCISC. Users are not allowed to modify this variable.

**SOFTWARE:** After a record is SAVED during the data-entry process, the computer inserts the present date in this variable. Select “Exit without saving data” if you do not want the *Update* date to change.

**REVISIONS:** November 2012: This variable was added to the database and inserted date of insertion (6/19/2012) into Record Status Update.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1807

8-Character Description: SUpdate
~This page left blank intentionally ~
**VARIABLE NAME:** Reporting Model SCI System Identification Code (System ID)

**DESCRIPTION:** An alphabetic code is assigned to each reporting system by the National Spinal Cord Injury Statistical Center (NSCISC).

The *System ID* and the *Patient Number* are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

**CHARACTERS:** 2

**CODES:** Assigned individually to each reporting system by the NSCISC.

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<td>Fishersville</td>
</tr>
</tbody>
</table>

**COMMENTS:** Use only uppercase letters. For systems with a one-character code, use the first box only (leave the second box blank).

A data form/record must have a *System ID* and the *Patient Number* before it will be processed by the National Spinal Cord Injury Statistical Center.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1

8-Character Description: SiteID
REGISTRY: Patient Number

VARIABLE NAME: Patient Number

DESCRIPTION: The Patient Number is assigned to each patient at the discretion of the reporting System. Each Patient Number must contain 6 characters. No designated numbers are assigned by the NSCISC.

CHARACTERS: 6

CODES: To be assigned by the individual reporting system.

COMMENTS: Never recycle a patient number after it has been entered and saved. The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

A data form/record MUST have a System ID and a Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 2
8-Character Description: PatNbr
VARIABLE NAME: Date of Injury

DESCRIPTION: This variable specifies the date the spinal cord injury occurred.
CHARACTERS: 10
FORMAT: mm/dd/yyyy
CODES: Any valid date
COMMENTS: Record the month, day and year of injury.
Unknowns or partial dates are not allowed in this variable.
EXAMPLE: The patient was injured on December 11, 1974.
Date of Injury.................................................................12/11/1974

Variable Aliases: For Data Analysis Only

Variable ID: 80
8-Character Description: RInjDt
REGISTRY: 2. System Admit

VARIABLE NAME: Date of First System Admission

DESCRIPTION: This variable identifies the date of initial admission to the System.
CHARACTERS: 10
FORMAT: mm/dd/yyyy
CODES: Any valid date
COMMENTS: Record the month, day, and year. Unknowns are not allowed in this variable.

This date may be the admission to the System’s acute medical/surgical, sub-acute medical, acute rehab or sub-acute rehab unit (whichever occurred first).

Occasionally, spinal cord injuries happen after admit to your System hospital, if this is the case, the Date of First System Admission will be the injury date. For example, if a patient is admitted to your System as an inpatient on May 1, 2010 and two days later, May 3, the patient falls and incurs a spinal cord injury, the date of injury and date of admit will be the same – May 3, 2010.

REVISIONS: January 2005: Eligibility criteria changed, indicating that a patient had to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care), thereby making code 88888888, ‘Not applicable, was never a System inpatient’ a non-valid code in Form I records with Inates after March 31, 2005.

Variable Aliases: For Data Analysis Only
Variable ID: 81
8-Character Description: RAdmDt
VARIABLE NAME: Number of Days from Injury to First System Admission

DESCRIPTION: This variable documents the number of days from the following variables: Date of Injury to the Date of the First System Admission. This variable is auto-populated by the NSCISC.

CHARACTERS: 3

CODES: 1-366 Valid range

COMMENTS: The code “0” is not acceptable. Code “1” should be interpreted to mean the patient was admitted to the System the day of or the day after the injury and are considered ’Day 1s’.

REVISIONS: January 2005: Eligibility criteria changed, indicating that a patient had to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care), thereby making code 888, ‘Not applicable, was never a System inpatient’ a non-valid code in Registry records with Indates after March 31, 2005.

October 2000: This variable was added to the Registry database.

SOFTWARE: The computer calculates the Number of Days from Injury to First System Admission using the dates in the Date of Injury and Date of First System Admission variables.

Variable Aliases: For Data Analysis Only

Variable ID: 82
8-Character Description: RI2ADays
REGISTRY: 4. Date of Discharge

VARIABLE NAME: Date of Discharge

DESCRIPTION: This variable identifies the date of discharge from the System.

This date may be
✓ discharge from the system’s acute (or subacute) medical/surgical unit (only if the patient expires or achieves full recovery or minimal deficit status during acute care)

or
✓ discharge from the inpatient acute (or subacute) rehab unit at the completion of the System inpatient rehab process.

CHARACTERS: 10
FORMAT: mm/dd/yyyy
CODES: Any valid date
COMMENTS: Record the month, day, and year. Unknowns are not allowed in this variable.

If the patient expires during inpatient treatment, this date is the same as the date found in the Date of Death variable. If a participant completes rehab but is not discharged (i.e., awaiting discharge location), use the date of rehab discharge. If a participant is discharged from rehab (after completion of rehab) to other system facilities or units, use the date of rehab discharge.

REVISIONS: October 2006: Date fields were converted to the 10 digit format.

EXAMPLE: On October 10, 2000 the patient was injured and taken to a non-System acute unit. On October 15, 2000 he was discharged from the non-System acute unit. He was admitted to the System’s acute rehab unit on October 17, 2000 and discharged on November 20, 2000.

<table>
<thead>
<tr>
<th>Date of Injury</th>
<th>10/10/2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Initial System Admission</td>
<td>10/17/2000</td>
</tr>
<tr>
<td>Date of Discharge</td>
<td>11/20/2000</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 83
8-Character Description: RDisDt
REGISTRY: 5. Age at Injury

VARIABLE NAME: Age at Injury

DESCRIPTION: This variable specifies the age of the patient (in years) on the date the spinal cord injury occurred.

CHARACTERS: 3

CODES:

0  Newborn or less than 1 year of age
0-120  Valid range
999  Unknown

Variable Aliases: For Data Analysis Only

Variable ID: 84
8-Character Description: RInjAge
**REGISTRY: 6. Sex**

**VARIABLE NAME:** Sex

**DESCRIPTION:** This variable specifies the sex of the patient.

**CHARACTERS:** 1

**CODES:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Male</td>
</tr>
<tr>
<td>2</td>
<td>Female</td>
</tr>
<tr>
<td>3</td>
<td>Other, Transgender</td>
</tr>
<tr>
<td>9</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

**REVISIONS:** October 2011: ‘3. Other, Transgender’ code was added.

Variable Aliases: For Data Analysis Only

Variable ID: 85
8-Character Description: RSex
VARIABLE NAME: Hispanic Origin

DESCRIPTION: This variable specifies if the patient is of Hispanic origin.

CHARACTERS: 1

CODES:

0  Not of Hispanic origin
1  Hispanic or Latino origin (includes Mexican, Cuban, Puerto Rican and other Latin American and Spanish)
7  Declined
9  Unknown

COMMENTS: According to the 2010 Census, 308.7 million people resided in the United States. There were 50.5 million Hispanics in the United States, composing 16% of the total population. Between 2000 and 2010, the Hispanic population grew by 43%, an increase of 15.2 million. Hispanics reported 75.4% Caucasian (white), 12.6% African American (black), 4.8% Asian, and 0.9% American Indian/ Alaskan Native.


November 1995: This variable was added to the database using the Bureau of Census Guidelines.

For Data Analysis Purposes Only:

Variable ID: 87
8-Character Description: RHispnic
REGISTRY: 8. Race/Ethnicity

VARIABLE NAME: Racial or Ethnic Group

DESCRIPTION: This variable specifies the patient’s racial or ethnic group.

CHARACTERS: 1

CODES:
1 Caucasian
2 African American or Black
3 Native American, Eskimo, Aleutian
4 Asian or Pacific Islander
5 Some Other Race, Multiracial
7 Declined
9 Unknown

COMMENTS: Use patient’s self-reported race and ethnicity if available.

The following Census Bureau guidelines will be used:

Caucasian (White) includes people with origins in Europe, Middle East, or North Africa.

African American or Black includes people with origins in any of the black racial groups of Africa.

American Indian or Alaska Native includes people with origins in any of the original peoples of North, Central, or South America and who maintains tribal affiliation or community attachment.

Asian/Pacific Islander includes people with origins in Far East, Southeast Asia or the Indian subcontinent including Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand and Vietnam. Pacific Islander includes people with origins in Hawaii, Guam, Samoa, or other Pacific Islands.

If the racial group of the patient does not fit into any of the above classifications, document it as “Some Other Race”.

REVISIONS:
October 2011: “Declined” code was added and ‘Multiracial’ was added to the “Some Other” Category.

November 1995: This variable was added to the database.

CONVERSIONS:
When the Hispanic origin variable was added in November 1995 the records in the database at that time that were coded “4 – Spanish origin” in this variable were changed to code “9 Unknown”. The code “1, Yes Hispanic origin” was then inserted in these records in the Hispanic origin variable.

Variable Aliases: For Data Analysis Only

Variable ID: 86
8-Character Description: RRace
VARIABLE NAME: Traumatic Etiology

DESCRIPTION: This variable identifies the etiology of the trauma.

Traumatic spinal cord injury is impairment of the spinal cord or cauda equina function resulting from the application of an external force of any magnitude. The Model Systems’ National Spinal Cord Injury Database collects data on traumatic cases only.

CHARACTERS: 2

CODES:

**VEHICULAR**

1. Auto accident: includes jeep, truck, dune buggy, and bus
2. Motorcycle accident: 2-wheeled, motorized vehicles including mopeds and motorized dirt bikes
4. Boat
5. Fixed-wing aircraft
6. Rotating wing aircraft
7. Snowmobile
8. Bicycle (includes tricycles and unicycles)
9. All-terrain vehicle (ATV) and all-terrain cycle (ATC) – include both 3-wheeled and 4-wheeled vehicles
3. Other vehicular, unclassified: includes tractor, bulldozer, go-cart, steamroller, train, road grader, forklift.

If two vehicles are involved, the etiology should be coded according to the vehicle on which the patient was riding.

**VIOLENCE**

10. Gunshot wound
11. All other penetrating wounds: Includes stabbing, impalement.
12. Person-to-person contact: includes being hit with a blunt object, falls as a result of being pushed (as an act of violence)
15. Explosion: includes that caused by bomb, grenade, dynamite, and gasoline
**REGISTRY: 9. Traumatic Etiology**
*(page 2 of 3)*

**VARIABLE NAME:** Traumatic Etiology

**CODES (continued):**

<table>
<thead>
<tr>
<th>CODE</th>
<th>SPORTS/RECREATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Diving</td>
</tr>
<tr>
<td>21</td>
<td>Football</td>
</tr>
<tr>
<td>22</td>
<td>Trampoline</td>
</tr>
<tr>
<td>23</td>
<td>Snow skiing</td>
</tr>
<tr>
<td>24</td>
<td>Water skiing</td>
</tr>
<tr>
<td>26</td>
<td>Wrestling</td>
</tr>
<tr>
<td>27</td>
<td>Baseball/softball</td>
</tr>
<tr>
<td>28</td>
<td>Basketball/volleyball</td>
</tr>
<tr>
<td>29</td>
<td>Surfing: includes body surfing</td>
</tr>
<tr>
<td>70</td>
<td>Horseback riding</td>
</tr>
<tr>
<td>71</td>
<td>Gymnastics: includes all gymnastic activities other than trampoline</td>
</tr>
<tr>
<td>72</td>
<td>Rodeo: includes bronco/bull riding</td>
</tr>
<tr>
<td>73</td>
<td>Track and field: includes pole vault, high jump, etc.</td>
</tr>
<tr>
<td>74</td>
<td>Field sports: includes field hockey, lacrosse, soccer, and rugby</td>
</tr>
<tr>
<td>75</td>
<td>Hang gliding</td>
</tr>
<tr>
<td>76</td>
<td>Air sports: includes parachuting, para-sailing</td>
</tr>
<tr>
<td>77</td>
<td>Winter sports: includes sled, snow tube, toboggan, ice hockey, snow boarding</td>
</tr>
<tr>
<td>78</td>
<td>Skateboard</td>
</tr>
<tr>
<td>25</td>
<td>Other sport, unclassified: includes auto racing, glider kite, slide, swimming, bungee jumping, scuba diving, roller blading, jet-skiing, cheerleading, break-dancing, etc.</td>
</tr>
</tbody>
</table>

**FALLS/FLYING OBJECTS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>FALLS/FLYING OBJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>Fall: includes jumping and being pushed accidentally (not as an act of violence)</td>
</tr>
<tr>
<td>31</td>
<td>Hit by falling/flying object: includes ditch cave in, avalanche, rockslide.</td>
</tr>
</tbody>
</table>

**PEDESTRIAN**

<table>
<thead>
<tr>
<th>CODE</th>
<th>PEDESTRIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Pedestrian (includes falling/jumping into the path of a vehicle)</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Traumatic Etiology

CODES (continued):

50 Medical/surgical complication: Impairment of spinal cord function resulting from adverse effects of medical, surgical or diagnostic procedures and treatment.

Examples are: spinal cord contusion during surgery, spinal cord arterial occlusion during angiography, overexposure to radiation, spinal cord hemorrhage resulting from over anticoagulation, hypoxia of the spinal cord from cardiac arrest during surgery, and hypoxia of the spinal cord from other medical complications such as pulmonary embolus, rupture of aortic aneurysm, hypovolemic shock, etc.

There are pathological medical conditions of the vertebral spinal column such as rheumatoid spondylitis, ankylosing spondylosis, severe osteoarthritis, spinal tumors, disc problems, Paget’s disease, osteoporosis, etc., which predispose an individual to traumatic spinal cord injury. In some instances the trauma may be only slight or minimal. In such cases the etiology coded would be governed by the nature of the trauma, i.e., fall, auto accident.

Do not include paralysis due to: a progressive disease with no traumatic event, herniated disc or transverse myelitis.

OTHER

60 Other unclassified: includes lightning, kicked by an animal, machinery accidents (excluding falls or hit by falling/flying objects).

UNKNOWN

99 Unknown

COMMENTS: If the patient’s traumatic etiology does not fit into any of the above classifications, document it as “3” (Other vehicular, unclassified); “25” (Other sport, unclassified); or, “60” (Other, unclassified).

When there are questions of eligibility, it is the responsibility of the system’s Project Director to make the decision (considering the criteria specified above and reviewing the patient’s records).

REVISIONS: March 1996: ‘Being pushed’ changed to code 12 (previously coded as 30).

Variable Aliases: For Data Analysis Only

Variable ID: 88
8-Character Description: RTrmEtio
REGISTRY: 10. Place of Residence

VARIABLE NAME: Place of Residence at Discharge

DESCRIPTION: This variable specifies where the patient will reside upon discharge from the System. This place may not necessarily coincide with the patient’s legal residence.

CHARACTERS: 1

CODES:

1 Private Residence: includes house, apartment, hogan, mobile home, foster home, condominium, boat, individual residence in a retirement village

2 Hospital: includes mental hospital, retirement village hospital

3 Nursing Home: includes medcenter, skilled nursing facilities, institutions licensed as hospitals but providing essentially long-term, custodial, chronic disease care, etc.

4 Group Living Situation: includes transitional living facility, dormitory (school, church, college), military barracks, boarding school, boarding home, bunkhouse, boys’ ranch, fraternity/sorority house, labor camp, commune, shelter, convent, monastery, or other religious order residence, etc.

5 Correctional Institution: includes prison, penitentiary, jail, correctional center, etc.

6 Hotel/motel: includes YWCA, YMCA, guest ranch, inn

7 Deceased (valid in discharge position only)

8 Other, unclassified

9 Homeless: cave, car, tent, etc.

10 Assisted Living

99 Unknown

COMMENTS: If the patient’s place of residence does not fit into any of the above classifications, document it as “8. Other, unclassified”. This variable documents place of residence at discharge from initial hospitalization.

If, at the time of discharge from the System, the patient is transferred and admitted to a hospital for custodial care only, use code “3” (Nursing home). Do NOT use Nursing Home if the stay is temporary.

Assisted living residences or assisted living facilities (ALFs) provide supervision or assistance with activities of daily living (ADLs), coordination of services by outside health care providers, and monitoring of resident activities to help ensure their health, safety and well-being.

QC:

If the Place of Residence variable = ‘7, Deceased’, then the Resides in Catchment Area variable MUST = ‘8, Not Applicable, patient discharged as deceased’ and Date of Death Modifier MUST NOT = ‘8, N/A, patient alive’.

REVISIONS: October 2011: ‘10. Assisted Living’ code was added.

October 2006: This variable was added to the Registry database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 89

8-Character Description: RPResDis
VARIABLE NAME: Resides in Catchment Area

DESCRIPTION: This variable documents whether the patient will live within the Model System’s designated geographic catchment area after the time of discharge.

CHARACTERS: 1

CODES
0  No
1  Yes
8  Not applicable, patient discharged as deceased
9  Unknown

QC: If the Place of Residence variable = ‘7, Deceased’, then the Resides in Catchment Area variable MUST = ‘8, Not Applicable, patient discharged as deceased’ and Date of Death Modifier MUST NOT = ‘8, N/A, patient alive’.

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 90
8-Character Description: RInCatch
REGISTRY: 12.Vertebral Injury

VARIABLE NAME: Vertebral Injury

DESCRIPTION: This variable documents whether there was a spinal fracture and/or dislocation in addition to the spinal cord injury. Spinal fracture or dislocation is defined as any break, rupture, or crack through or between any part(s) of the vertebral column from the occiput to the coccyx.

CHARACTERS: 1

CODES:
0  No
1  Yes
9  Unknown

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 113
8-Character Description: RVertInj
REGISTRY: 13. Associated Injury

VARIABLE NAME: Associated Injury

DESCRIPTION: Injuries resulting from the same traumatic event that caused the spinal cord injury
This variable documents whether any of the pre-specified major injuries occurred at the same time as the Spinal Cord Injury:

a. moderate to severe Traumatic Brain Injury *(Glasgow Coma Scale Score of 12 or below)*
b. non-vertebral fractures requiring surgery
c. severe facial injuries affecting sensory organs
d. major chest injury requiring chest-tube or mechanical ventilation
e. traumatic amputations of an arm or leg, or injuries severe enough to require surgical amputation
f. severe hemorrhaging
g. damage to any internal organ requiring surgery

CHARACTERS: 1

CODES:
0 No
1 Yes
9 Unknown

COMMENTS: Code this variable as ‘yes’ if the patient has any of the above co-existing injuries.
The following are to be excluded when coding this variable:
◊ associated injuries not listed above
◊ negative findings from exploratory surgery
◊ injuries that pre-date the spinal cord injury

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 114
8-Character Description: RAsscInj
REGISTRY: 14. Spinal Surgery

VARIABLE NAME: Spinal Surgery

DESCRIPTION: Surgery performed on the spinal column and/or its contents.

This variable documents whether any of the following spinal surgical procedures were performed at any point during the inpatient hospitalization period following spinal cord injury:

a.) laminectomy
b.) neural canal restoration
c.) open reduction
d.) spinal fusion
e.) internal fixation of the spine

CHARACTERS: 1

CODES: 0 No
1 Yes
9 Unknown

COMMENTS: If the patient received any of the following procedures during inpatient Acute Care or Rehab hospitalization (System or Non-System) following the spinal cord injury, code as ‘yes’. All other procedures not listed are to be excluded.

Laminectomy: removal of normal lamina or foreign body at the site of spinal cord damage.

Neural canal restoration: removal of bone or disk fragments, blood clots, or foreign bodies (such as bullet fragments) from the spinal canal.

Open reduction: operative replacement of one or more dislocated, subluxed, or angulated vertebra into anatomic or near anatomic alignment.

Spinal fusion: the addition of a bone graft to the vertebrae for the purpose of achieving intervertebral fusion or stability.

Internal fixation of the spine: the attaching of rods, plates, wires, etc. to the spine (individually or in combination to provide internal surgical stabilization of the vertebral column.

REVISIONS: October 2006: This variable was added to the database. Variables 143AA to 143AG and V143RA to V143RG were consolidated to form the ‘Spinal Surgery’ variable to remain consistent with the International Spinal Cord Injury Data Set. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only
Variable ID: 115
8-Character Description: RSpinSrg

NSCISC: 10/2011 62
REGISTRY: 15. Mechanical Ventilation

VARIABLE NAME: Utilization of Mechanical Ventilation at Discharge

DESCRIPTION: This variable documents any use of any type of mechanical ventilation used to sustain respiration upon discharge from System inpatient hospitalization.

CHARACTERS: 1 for each entry

CODES:
0 No
1 Yes, limited, short-term use for pulmonary complications
2 Yes, ventilator-dependent or ventilator use requiring a weaning process
3 Yes, phrenic nerve stimulator
4 Yes, used mechanical ventilation, length of time and type unknown
   This is a CONVERSION CODE ONLY (code “1” prior to 10/86). Data collectors may NOT use this code. This information is provided for data analyses purposes only.
9 Unknown

COMMENTS: Ventilatory assistance includes but is not limited to mechanical ventilators, phrenic nerve stimulators, external negative pressure devices, and BiPAP. Do not include routine administration of oxygen, periodic IPPB administration, or CPAP.

Code 1, ‘Limited, short-term use’ is defined as respiratory support used as part of the medical treatment for other pulmonary complications.

◊ Do NOT include emergency mouth-to-mouth or machine resuscitation; emergency “bagging”; or operative / post-operative ventilatory support used for less than 7 days.

Do use code 1 for post-op support lasting more than 7 days.

Code 2, ‘Ventilator Dependent’ should be used for those who need partial or total respiratory support on a daily basis and (1) require a weaning process or (2) are vent-dependent.

Do NOT use code 2 for vent support used for less than 7 days.

When the patient dies during the initial system admission period (i.e., the Date of Discharge = Date of Death) – vent use should reflect what’s being used at the time of death. “At Discharge” can be at discharge from the Acute Care unit if there was no rehab admit.

REVISIONS: October 2000: Utilization of Mechanical Ventilation at Discharge was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 116
8-Character Description: RUMVDis
VARIABLE NAME: Neurological Exam Date Modifier

DESCRIPTION: The data in this variable are used to define the date(s) of the neurological exam performed at:

1) Medical/Surgical system examination (for day-1 admissions only)
2) discharge (for all patients)

This variable identifies the Date of the Neurological Exam as being an actual date, unknown, or not applicable.

CHARACTERS: 1 per entry

CODES:

<table>
<thead>
<tr>
<th>Med/Surg System Exam</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(day-1 admissions only)</td>
<td></td>
</tr>
<tr>
<td>1 Date completely known</td>
<td>1 Date completely known</td>
</tr>
<tr>
<td>8 Not Done</td>
<td>8 Not Done</td>
</tr>
<tr>
<td>9 Unknown</td>
<td>9 Unknown</td>
</tr>
<tr>
<td>Blank non day-1 admissions only</td>
<td></td>
</tr>
</tbody>
</table>

COMMENTS: Because the Neuro Exam Dates do not allow for partial dates (i.e. unknown month, day, or year), there is not a code for the Neuro Exam Date Modifier that indicates the existence of partial dates.

Use the unknown code (9) when it is not known if there was a neurologic exam or if the date of the exam is not known. If parts of the exam are done on different days, this variable should be coded based on the date on which most parts of the exam was completed.

Not testable: When a key sensory point or key muscle is not testable for any reason, the examiner should record the neurologic exam as “not done” (Code 8). In such cases, sensory and motor scores for the affected side of the body, as well as total sensory and motor scores, cannot be generated with respect to the injury at that point in treatment. Further, when associated injuries (e.g., traumatic brain injury, brachial plexus injury, limb fracture, etc.) interfere with the completion of the neurological examination, the neurological level should still be determined as accurately as possible. However, obtaining the sensory/motor scores and impairment grades should be deferred to later examinations.

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.
VARIABLE NAME: Neurological Exam Date Modifier

QC: If *Number of Days from Injury to System Admit* is greater than 1, the *Med/Surgical System Neuro Exam Date Modifier to Level of Neurologic Injury* MUST = Blank at Med/Surgical Exam.

When coding this variable ‘8, Not done’ (at either Med/Surgical Exam or at Discharge), code the associated variables that follow with the appropriate unknown code.

EXAMPLE 1: A patient is injured and initially treated at a non-System facility. On June 6, 1996, the patient is admitted to your System for rehab. On June 15, 1996, the neurologic examination is given and the patient is discharged to home.

<table>
<thead>
<tr>
<th>Med/Surgical</th>
<th>System Exam (day1s only)</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuro Exam Date Modifier</td>
<td>..........................</td>
<td>1</td>
</tr>
<tr>
<td>Date Neurologic Exam</td>
<td>__ <strong>/</strong>/<strong>/</strong> __ __ __</td>
<td>06/15/1996</td>
</tr>
</tbody>
</table>

EXAMPLE 2: A patient was injured and admitted to a System med/surg care unit on January 13, 1998. On the following day, the patient is evaluated, and the neurologic exam is administered. A week later the patient was admitted to a System rehab facility. On February 2, 1998, the neurologic exam was given, and on the following day the patient was discharged from the rehab facility.

<table>
<thead>
<tr>
<th>Medical/Surgical System Exam (day1s only)</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuro Exam Date Modifier</td>
<td>................</td>
</tr>
<tr>
<td>Date Neurologic Exam</td>
<td>..................</td>
</tr>
</tbody>
</table>

EXAMPLE 3: Patient is a day-1 admit, however, because of other associated injuries the Neurologic exam was unable to be performed.

<table>
<thead>
<tr>
<th>Medical/Surgical System Exam (day1s only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuro Exam Date Modifier</td>
</tr>
<tr>
<td>Date Neurologic Exam</td>
</tr>
</tbody>
</table>

Category of Neurologic Impairment | .......................... | 9         |
ASIA Impairment Scale | .......................... | U         |
Any Anal Sensation | .......................... | 9         |
Any Voluntary Anal Sphincter Contraction | .......................... | 9         |
Sensory Level | .......................... | X99R | X99L |
Motor Level | .......................... | X99R | X99L |
Level Preserved Neurologic Function | .......................... | X99R | X99L |

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID: 91</td>
<td>Variable ID: 93</td>
</tr>
<tr>
<td>8-Character Description: RNEDtAdM</td>
<td>8-Character Description: RNEDtDsM</td>
</tr>
</tbody>
</table>

Remember: This coding scheme applies for either Initial System Admit OR Discharge from the System.
REGISTRY: 17. Date(s) of Neuro Exam

VARIABLE NAME: Dates of the Neurologic Examinations

DESCRIPTION: These variables document the dates on which the neurologic examinations were performed:

1) at Medical/Surgical system examination (for day-1 admissions only)

2) at discharge (for all patients).

Although the initial med/surg system exam should be performed within 72 hours of system admission, data for exams performed later than that are included in the database. The discharge exam should be performed within 7 days of discharge.

The neurologic exam consists of the items documented in the Sensory Levels through Category of Neurologic Impairment variables and must be performed by a physician or a designated person who has been trained using the guidelines in the latest version of the International Standards for Neurological Classification of Spinal Cord Injury, published by the American Spinal Injury Association (ASIA).

CHARACTERS: 10 for each entry

FORMAT: mm/dd/yyyy

CODES: Any valid date

Blank

COMMENTS: Blanks are allowed in this variable ONLY if:

○ Medical/Surgical System Exam is blank if the patient is a non day-1 admit.
○ the Neuro Exam Date Modifier is coded ‘8, Not Done’.
○ the Neuro Exam Date Modifier is coded ‘9, Unknown’.

REVISIONS: October 2006: This variable was added to the Registry database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

QC: If the Neuro Exam Date Modifier = ‘8, Not Done’, then the Date of Neuro Exam MUST = Blank.

If the Neuro Exam Date Modifier = ‘9, Unknown’, then the Date of Neuro Exam MUST = Blank.

If the Number of Days from Injury to System Admit is greater than 1, the Neuro Exam Date Modifier and Neuro Exam Date MUST = Blank at Med/Surgical Exam.

Variable Aliases: For Data Analysis Only

Admit

Variable ID: 92

8-Character Description: RNEDatAd

Discharge

Variable ID: 94

8-Character Description: RNEDatDs
VARIABLE NAME: Sensory Level

DESCRIPTION: The sensory level (which may differ by side of body) is the most caudal segment of the spinal cord with normal sensory function for pinprick and light touch on both sides of the body. Right and left levels are documented

1) at Medical/Surgical System exam (for day-1 admissions only)

2) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES: 

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C01-C08</td>
<td>Cervical</td>
</tr>
<tr>
<td>T01-T12</td>
<td>Thoracic</td>
</tr>
<tr>
<td>L01-L05</td>
<td>Lumbar</td>
</tr>
<tr>
<td>S01-S03</td>
<td>Sacral</td>
</tr>
<tr>
<td>S04, S05, S06</td>
<td>Not valid after August 2013</td>
</tr>
<tr>
<td>X00</td>
<td>Normal neurologic (INT)</td>
</tr>
<tr>
<td>X99</td>
<td>Unknown/Not Done</td>
</tr>
<tr>
<td>Blank</td>
<td>(Allowed in Med/Surg admit position only if Non day-1 admit)</td>
</tr>
</tbody>
</table>

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 on the Registry form if the level is completely unknown or if the exam was not done.

If sensation is intact on one side for light touch and pinprick at all dermatomes C02 through S4-5, the sensory level for that side should be coded “X00” (INT).

SOURCE: Refer to The International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for complete information on the sensory examination and a listing of all key points.

REVISIONS: October 2006: This variable was added to the Registry database. Data are required for all patients with System Admission Dates on or after 10/01/2006 (required at Med/Surg if Day-1 only).

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID</td>
<td>8-Character Description</td>
</tr>
<tr>
<td>Admit</td>
<td>99</td>
</tr>
<tr>
<td>Discharge</td>
<td>102</td>
</tr>
</tbody>
</table>
**REGISTRY: 19. Motor Level**

(PAGE 1 OF 2)

**VARIABLE NAME:** Motor Level

**DESCRIPTION:** The motor level (the lowest normal motor segment – which may differ by side of body) is defined by the lowest key muscle that has a grade of at least 3, provided the key muscles represented by segments above that level are judged to be normal (5). Right and left levels are documented

1) **at Medical/Surgical system examination** *(for day-1 admissions only)*

2) **at discharge** *(for all patients)*

**CHARACTERS:** 3 for each entry

**CODES:**

- **C01-C08** Cervical
- **T01-T12** Thoracic
- **L01-L05** Lumbar
- **S01-S03** Sacral
- **S04, S05, S45** Not valid after August 2013
- **X00** Normal neurologic (INT)
- **X99** Unknown/Not Done
- **Blank** *(Med/Surg System Exam if Non day-1 admit only)*

**COMMENTS:** The examiner’s judgment is relied upon to determine whether a muscle that tests as less than normal (5) may in fact be fully innervated. This may occur when full effort from the patient is inhibited by factors such as pain, positioning and hypertonicity or when weakness is judged to be due to disuse. If any of these or other factors impeded standardized muscle testing, the muscle should be graded as *not testable*. However, if these factors do not prevent the patient from performing a forceful contraction and the examiner’s best judgment is that the muscle would test normally (5) were it not for these factors; it may be graded as 5.

For those myotomes that are not clinically testable by a manual muscle exam (i.e., C1-C4, T2-L1 and S2-S5), the motor level is presumed to be the same as the sensory level if testable motor function above (rostral) that level is normal as well.

If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 if the level is completely unknown, the exam was not done or there was no admission to System inpatient rehab.

**SOURCE:** See the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for complete information on the motor examination and a listing of all key muscles.
VARIABLE NAME: Motor Level

REVISIONS: October 2006: This variable was added to the Registry database. Data are required for all patients with System Admission Dates on or after 10/01/2006 (required at Med/Surg if Day-1 only).

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th></th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Variable ID</td>
<td>8-Character Description</td>
<td>Variable ID</td>
</tr>
<tr>
<td>Admit</td>
<td>104</td>
<td>RMLAdmLf</td>
<td>105</td>
</tr>
<tr>
<td>Discharge</td>
<td>107</td>
<td>RMLDisLf</td>
<td>108</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Level of Preserved Neurologic Function

DESCRIPTION: The neurological level of preservation (injury) is the most caudal segment of the spinal cord with normal sensory and motor function on both sides of the body. Right and left levels are documented.

1) at Medical/Surgical system examination (for day-1 admissions only)
2) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES: 
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown/Not Done
- Blank (Medical/Surgical System Exam if Non day-1 admit only)

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 on the Registry form if the level is completely unknown or if the exam was not done.

If this variable = “X00” (Normal), bilaterally, at system admission, the patient is ineligible for the National SCI Database.

SOURCE: Refer to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for additional information.

REVISIONS: October 2006: Level of Preserved Neuro Function at Initial System Exam data are required for all patients with System Admission Dates on or after 10/01/2006.

QC: If this variable = “C”, then Neurologic Impairment must be coded “4”, “5”, “6” or “9”.
If this variable = “T”, “L”, or “S”, then Neurologic Impairment must be coded “1”, “2”, “3” or “9”.

The level in this variable must be equal to the motor level and/or the sensory level AND neither the motor level nor the sensory level can be higher than the level in this variable.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th></th>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admit</td>
<td>109</td>
<td>RLPNFAdm</td>
</tr>
<tr>
<td>Discharge</td>
<td>111</td>
<td>RLPNFDis</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Neurologic Level Injury

DESCRIPTION: The most caudal segment of the spinal cord with normal sensory and antigravity motor function on both sides of the body, provided there is normal (intact) sensory and motor function rostrally. This variable is created by comparing the Right and Left Preserved Neuro Level variables and returning the anatomically higher of the two variables. This variable is calculated by the NSCISC and is for data analysis purposes.

1) at Medical/Surgical system examination (for day-1 admissions only)
2) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES: C01-C08 Cervical
       T01-T12 Thoracic
       L01-L05 Lumbar
       S01-S03 Sacral
       S04, S05, S45 Not valid after August 2013
       X00 Normal neurologic
       X99 Unknown, Not Done
       Blank (at Med/Surg System Exam if Non day-1 admit)

COMMENTS: This variable is generated by the software. It is created by comparing the Right and Left Level of Preserved Neurologic Function variables and reports the anatomically higher neurologic level.

SOFTWARE: This variable is generated by the NSCISC. It is created by comparing the Right & Left Level of Preserved Neurologic Function variables and reports the anatomically higher neurologic level.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1812</td>
<td></td>
<td>1813</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>RNurLvlA</td>
<td>RNurLvlD</td>
</tr>
</tbody>
</table>
REGISTRY: 22. Anal Sensation

VARIABLE NAME: Any Anal Sensation

DESCRIPTION: This variable documents whether the patient has any sensation in the anal region during the neurologic exam given at the following intervals:

1) at Medical/Surgical system examination (for day-1 admissions only)
2) at discharge (for all patients)

CHARACTERS: 1 for each entry

CODES:
0 No
1 Yes
8 Not Applicable, unable to test; infants
9 Unknown/Not done

Blank (Medical/Surgical System Exam if Non day-1 admit only)

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>RAnSnAdm</td>
<td>RAnSnDis</td>
</tr>
<tr>
<td>889</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REGISTRY: 23. Voluntary Sphincter Contraction

VARIABLE NAME: Any voluntary anal sphincter contraction

DESCRIPTION: This variable documents whether or not the patient is able to contract the anal sphincter voluntarily during the neurologic exam given at the following intervals:

1) at Medical/Surgical system examination (for day-1 admissions only)
2) at discharge (for all patients)

CHARACTERS: 1 for each entry

CODES:

0  No
1  Yes
8  Not Applicable, unable to test; infants
9  Unknown/Not done

Blank  (Medical/Surgical System Exam if Non day-1 admit only)

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID:</td>
<td>106</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>RVoSphAd</td>
</tr>
</tbody>
</table>
**REGISTRY: 24. ASIA Impairment**

(page 1 of 2)

**VARIABLE NAME:** ASIA Impairment Scale (modified from Frankel)

**DESCRIPTION:** This variable attempts to quantify the degree of impairment.

1) **at Medical/Surgical system examination** *(for day-1 admissions only)*

2) **at discharge** *(for all patients)*

**CHARACTERS:** 1 for each entry

**CODES:**

- **A Complete Injury.**
  No sensory or motor function is preserved in the sacral segments S4-S5 (must also be negative for anal sensation/contraction).

- **B Incomplete.**
  Sensory but not motor function is preserved below the neurological level and includes the sacral segments S4-S5 (or have anal sensation).

- **C Incomplete.**
  Motor function is preserved below the neurological level, and more than half of the key muscles below the neurological level have a muscle grade less than 3 (grades 0-2).

- **D Incomplete.**
  Motor function is preserved below the neurological level, and **at least half** of key muscles below the neurological level have a muscle grade greater than or equal to 3.

- **E Normal.**
  Sensory and motor functions are normal.

- **U Unknown/Not Done** *(Medical/Surgical System Exam if Non day-1 admit only)*

**NOTE:** For an individual to receive a grade of C or D, he/she must be incomplete, that is, have sensory or motor function in the sacral segments S4-S5. In addition, the individual must have either (1) voluntary anal sphincter contraction or (2) sparing of motor function more than three levels below the motor level. This is new text added to the 2000 edition of the International Standards booklet.

**SOURCE:**

**REVISIONS:**

October 2006: **ASIA Impairment at Initial Med/Surgical System Exam** was added to the Registry database. Data are required for those patients admitted to the system on or after 10/01/2006.

October 2000: **ASIA Impairment at Discharge** was added to the Registry database. Code “U” was inserted in this variable in the Registry records that existed when this variable was added. Registry data are required for patients admitted to the System after 10/31/2000. Retrospective updates were allowed.
VARIABLE NAME: ASIA Impairment Scale (modified from Frankel)

QC: If the Neuro Exam Date Modifier = 8, then ASIA Impairment MUST = Unknown

See Policy for coding instructions for patients with normal neurologic or minimal deficit status.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>RASAImAd</td>
<td>RASAImDs</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**VARIABLE NAME:** Category of Neurologic Impairment

**DESCRIPTION:** This variable documents the degree of neurologic damage present:

1) **at Medical/Surgical system examination** *(for day-1 admissions only)*

2) **at discharge** *(for all patients)*

The neurologic exam must be performed by a physician or a designated person who has been trained using the guidelines in the latest version of the International Standards for Neurological Classification of Spinal Cord Injury, published by the American Spinal Injury Association (ASIA).

**CHARACTERS:** 1 for each entry

**CODES:**

1. Paraplegia, incomplete
2. Paraplegia, complete
3. Paraplegia, minimal deficit
4. Tetraplegia, incomplete
5. Tetraplegia, complete
6. Tetraplegia, minimal deficit
7. Normal neurologic
8. **Normal neurologic, minimal neurologic deficit** *(code “5” prior to 10/15/87) This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.*
9. Unknown/Not Done

**Blank** *(Medical/Surgical System Exam if Non day-1 admit only)*

**COMMENTS:**

Paraplegia is impairment or loss of motor and/or sensory function in the thoracic, lumbar or sacral (but not cervical) segments of the spinal cord secondary to damage of neural elements within the spinal canal. With paraplegia, arm functioning is spared, but, depending on the level of injury, the trunk, legs and pelvic organs may be involved. The term is used in referring to cauda equine and conus medullaris injuries, but not to lumbosacral plexus lesions or injury to peripheral nerves outside the neural canal.

Tetraplegia *(preferred to quadriplegia)* is impairment or loss of motor and/or sensory function in the cervical segments of the spinal cord due to damage of neural elements within the spinal canal. Tetraplegia results in impairment of function in the arms as well as in the trunk, legs and pelvic organs. It does not include brachial plexus lesions or injury to peripheral nerves outside the neural canal.

Complete injury means an absence of sensory and motor function in the lowest sacral segment.

Incomplete injury means partial preservation of sensory and/or motor function is found below the neurological level and includes the lowest sacral segment. Sacral sensation includes sensation at the anal mucocutaneous junction as well as deep anal sensation. The test of motor function is the presence of voluntary contraction of the external anal sphincter upon digital examination.
VARIABLE NAME: Category of Neurologic Impairment

COMMENTS: **Minimal deficit** refers to neurologic damage so minimal the patient has no significant or incapacitating loss of function. Reflexes may still be abnormal. Patient’s Motor Score should be 95 or greater, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain) or a score of 7 on all FIM items. Minimal deficits will still be coded as ASIA D and have a neuro level (not X00).

**Normal neurologic** status refers to those patients who have no demonstrable muscular weakness or impaired sensation, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain). This subcategory must be included in the database to document those patients who achieve recovery from initial injury. Complete recoveries must be coded X00 and ASIA E, and must have a 100 motor score.

**Monoplegia** should be coded “1” (Paraplegia, incomplete).

**Triplegia** should be coded “4” (Tetraplegia, incomplete).

The sacral area must be checked for this variable.


REVISIONS: October 2006: *Category of Neuro Impairment at Initial System Exam* was added to the Registry database. Data are required for those patients with *System Admission Dates* on or after 10/01/2006.

QC: If the *Neuro Exam Date Modifier* = 8, then *Category of Neuro Impairment* MUST = 9, Unknown

If *Number of Days from Injury to System Admit* is greater than 001, the *Initial System Category of Neuro Impairment* MUST = Blank.

If this variable = “1” (Paraplegia, incomplete), “2” (Paraplegia, complete), or “3” (Paraplegia, minimal deficit), then the Level of Preserved Neuro Function variable should =”T” (Thoracic), “L” (Lumbar), “S” (Sacro) or “X99” (Unknown).

If this variable = “4” (Tetraplegia, incomplete), “5” (Tetraplegia, complete), or “6” (Tetraplegia, minimal deficit), then the Level of Preserved Neuro Function variable should =”C” (Cervical) or “X99” (Unknown).

Patients with minimal deficit status must be coded:
- Neuro Impairment = “3” or “6”,
- Level Left and/or Level Right = any code other than “X00” and,
- ASIA Impairment Scale = “3” or “D”.

Patients with normal neurologic status must be coded:
- Neuro Impairment = “7” and,
- ASIA Impairment Scale = “4” or “E” and,
- Motor Level Left and/or Right = “X00” and,
- Sensory Level Left and/or Right = “X00” and,
- Preserved Neuro Level Left and/or Level Right = “X00”
REGISTRY: QC Status

VARIABLE NAME: Quality Control (QC) Status

DESCRIPTION: This variable is generated by NSCISC to determine which records have passed QC. Only those records that have passed QC are included in the NSCISC database and reports.

CHARACTERS: 1

CODES: 1 Not passed QC
2 Passed QC

COMMENTS: This is a data management variable that is generated by the NSCISC software. Users are not allowed to modify this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 119
8-Character Description: RQCStat
**VARIABLE NAME:** Record Indate

**DESCRIPTION:** This is the date on which a particular record is first entered into the computer. It is a data management variable that is computer-generated. Once entered, this date never changes.

**CHARACTERS:** 10

**FORMAT:** mm/dd/yyyy

**CODES:** Any valid date

**COMMENTS:** This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

Indates do not always correlate with injury, admission or discharge dates. Gaps in Indates may be due to data submissions accompanied with a software update revisions or new funding cycles that require variable conversions.

**SOFTWARE:** After a record is SAVED during the data-entry process, the computer inserts the present date in this variable.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 120
**8-Character Description:** RIndate
REGISTRY: Update

VARIABLE NAME: Record Update

DESCRIPTION: This is the last date on which an existing record was modified.
This date changes each time a record is modified and saved.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable (even if changes have not been made to the record.) Select “Exit without saving data” if you do not want the Update date to change.

Variable Aliases: For Data Analysis Only

Variable ID: 121
8-Character Description: RUupdate
FORM I: System ID

VARIABLE NAME: Reporting Model SCI System Identification Code (System ID)

DESCRIPTION: An alphabetic code is assigned to each reporting system by the National Spinal Cord Injury Statistical Center (NSCISC).

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

CHARACTERS: 2
CODES: Assigned individually to each reporting system by the NSCISC.

A Atlanta MS Mt. Sinai
AA Ann Arbor MW Wisconsin
B Birmingham NJ New Jersey
BN Boston (BMC) NO New Orleans
BS Boston (Spaulding) NY New York (NYU)
C Chicago P Phoenix
CM Columbia PA Philadelphia
CO Cleveland PI Pittsburgh
D Denver R Rancho (Downey)
DC District of Columbia RO Rochester
DM Detroit RV Richmond
H Houston S Seattle
LK Louisville SJ San Jose
MI Miami V Fishersville

COMMENTS: Use only uppercase letters. For systems with a one-character code, use the first box only (leave the second box blank).

A data form/record must have a System ID and the Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 1
8-Character Description: SiteID
FORM I: Patient Number

VARIABLE NAME: Patient Number

DESCRIPTION: The Patient Number is assigned to each patient at the discretion of the reporting System. Each Patient Number must contain 6 characters.

No designated numbers are assigned by the NSCISC.

CHARACTERS: 6

CODES: To be assigned by the individual reporting system.

COMMENTS: Never recycle a patient number after it has been entered and saved.

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

A data form/record MUST have a System ID and a Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 2
8-Character Description: PatNbr
VARIABLE NAME: Date of Injury

DESCRIPTION: This variable specifies the date the spinal cord injury occurred.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: Record the month, day and year of injury. Unknowns or partial dates are not allowed in this variable.

EXAMPLE 1: The patient was injured on December 11, 1974.

EXAMPLE 2: Patient is injured in MVA on March 31, 2013, admitted to System hospital on the same day with intact motor and some weakness and multiple fractures. The patient undergoes spinal surgery on April 1, and on April 5 realizes significant functional deficit due to hematoma from the surgery. The date of injury and date of System Admit is April 1, 2013 because the traumatic injury occurred on that day even though symptoms were not noticed until after the surgery.

Variable Aliases: For Data Analysis Only

Variable ID: 122

8-Character Description: AInjDt
FORM I: 2. System Admit

VARIABLE NAME: Date of First System Admission

DESCRIPTION: This variable identifies the date of initial admission to the System.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: Record the month, day, and year. Unknowns are not allowed in this variable.

This date may be the admission to the System’s medical/surgical care unit, subacute medical, acute rehab or subacute rehab unit. However, to qualify for this database, the patient must receive System acute inpatient rehab [unless the patient expires or achieves full recovery or minimal deficit status while in the System’s Med/Surgical (or subacute) care unit. See eligibility criteria and eligibility decision tree.]

If the patient was admitted directly to the System’s inpatient rehab unit, use the same date in this variable as the date used in the Date of First System Inpatient Rehab Admission variable.

Occasionally, spinal cord injuries happen after admit to your hospital, if this is the case, the Date of First System Admission will be the injury date. For example, if a patient is admitted to your System as an inpatient on May 1, 2010 and two days later (May 3) the patient falls and incurs a spinal cord injury while still an inpatient, the date of injury and date of admit will be the same – May 3, 2010.

REVISIONS: January 2005: Eligibility criteria changed, indicating that a patient had to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during Med/Surgical care), thereby making code 88888888, ‘Not applicable, was never a System inpatient’ a non-valid code in Form I records with Indates after March 31, 2005.

Variable Aliases: For Data Analysis Only

Variable ID: 123
8-Character Description: AAdmD
VARIABLE NAME: Modifier for the First System Inpatient Rehab Admission Date

DESCRIPTION: This variable defines the Date of First System Inpatient Rehab Admission.

CHARACTERS: 1

CODES:

1 Date Completely Known
8 Not Applicable, no System rehab admit

COMMENTS: Unknowns are NOT allowed in this variable. All patients must receive System inpatient acute rehab unless they expire or achieve complete recovery or minimal deficit status during system Med/Surg care.

For patients who are admitted to the System’s acute (or subacute) rehab unit then transferred back to the System’s acute (or subacute) medical/surgical unit followed by return to the System’s acute (or subacute) rehab unit code the Date of First System Rehab Admission Modifier based on the first rehab admission date.

Code 8, ‘Not Applicable, no System rehab admit’, is allowed ONLY when:

1) a patient expires during System Med/Surg care
2) a patient achieves complete recovery or minimal deficit status during a System Med/Surg care stay of 7 or more days.

QC: If the Rehab Admission Modifier = 8, Rehab Admission Date = Blank.

If the patient is not admitted to inpatient rehab, then Days from Injury to Rehab Admission, Short term Discharge Days during rehab, Neuro Exam at rehab admit, Halo, TLSO, Mechanical Ventilation, FIM, Family Income, and AUDIT C must all be coded “Not Applicable, no System rehab admit”.

If Indate1 > 03/31/2005 and Date of Discharge not equal Date of Death and Category of Neuro Impairment at discharge not equal 3, 6 or 7 THEN Rehab Admit Modifier MUST NOT = 8.
FORM I: 3. Rehab Admit Modifier

VARIABLE NAME: Date of First System Inpatient Rehab Admission Modifier

QC (continued): If this variable is coded 8 (No Rehab Admission) then, use the following codes for the listed items:

<table>
<thead>
<tr>
<th>Patient with No Rehab admission</th>
<th>Variable Name (During Rehab or at Rehab Admit)</th>
<th>Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Date of First System Inpatient Rehab Admission</td>
<td>888</td>
<td></td>
</tr>
<tr>
<td>7. Short-term Discharge Days During Rehab</td>
<td>888</td>
<td></td>
</tr>
<tr>
<td>9. Number of Days from Injury to the First System</td>
<td>888</td>
<td></td>
</tr>
<tr>
<td>11. Total Days in System Inpatient Rehab</td>
<td>8888</td>
<td></td>
</tr>
<tr>
<td>26. Mechanical Ventilation—Rehab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27. Halo Device—Rehab Discharge</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>28. TLSO Brace—Rehab Discharge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30. Individual FIM items</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>30. FIM Totals</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>31. Date of the Neuro Exam Modifier—Rehab</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>32. Date of Neuro Exam</td>
<td>Blank</td>
<td></td>
</tr>
<tr>
<td>33. ASIA Motor Index Score, C5-S1, Right/Left—Rehab</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>34. ASIA Sensory Score, C2-S4/5, Right/Left—Rehab</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>34. ASIA Sensory Score, Subtotals—Rehab</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>33. ASIA Motor Index Score, Subtotals—Rehab</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>34. ASIA Sensory Score, Total—Rehab</td>
<td>999</td>
<td></td>
</tr>
<tr>
<td>33. ASIA Motor Index Score, Total—Rehab</td>
<td>999</td>
<td></td>
</tr>
<tr>
<td>35. Sensory Level, Right and Left—Rehab</td>
<td>X99</td>
<td></td>
</tr>
<tr>
<td>36. Motor Level, Right and Left—Rehab</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>37. Level of Function, Right and Left—Rehab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39. Anal Sensation—Rehab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40. Voluntary Sphincter Contraction—Rehab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>41. ASIA Impairment Scale—Rehab</td>
<td>U</td>
<td></td>
</tr>
<tr>
<td>42. Category of Neuro Impairment—Rehab</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>51. Family Income Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>57-59. ADUIT C</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

EXAMPLE1: The patient was admitted to the System Med/Surgical unit on October 15, 2000 and was transferred to the System’s acute rehab unit October 25, 2000. Less than a week later (on October 30, 2000) he returned to the System’s Med/Surgical unit for treatment. He returned to the System’s acute rehab unit on November 5, 2000, completed rehab and was discharged home on November 20, 2000.

| Date of Initial System Admission | 10/15/2000 |
| Date of Initial System Inpatient Rehab Admission Modifier | 1 |
| Date of Initial System Inpatient Rehab Admission | 10/25/2000 |
| Date of Discharge | 11/20/2000 |
VARIABLE NAME: Date of First System Inpatient Rehab Admission Modifier

EXAMPLE 2: A patient was admitted to the System acute facility on January 13, 2000. On January 31, 2000, the patient died due to other complications that presented during his Med/Surgical care stay.

<table>
<thead>
<tr>
<th>Date of Initial System Admission</th>
<th>01/13/2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Initial System Inpatient Rehab Admission Modifier</td>
<td>8</td>
</tr>
<tr>
<td>Date of Initial System Inpatient Rehab Admission</td>
<td>Blank</td>
</tr>
<tr>
<td>Date of Discharge</td>
<td>01/31/2000</td>
</tr>
</tbody>
</table>

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only
Variable ID: 124
8-Charater Description: ARbAdDtM
FORM I: 4. Rehab Admit

VARIABLE NAME: Date of First System Inpatient Rehab Admission

DESCRIPTION: This variable identifies the date of the first admission to the System’s inpatient (acute or subacute) rehab unit.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date
Blank

COMMENTS: Records the month, day, and year. Unknowns are not allowed in this variable.

All patients must receive System inpatient acute rehab unless they expire or achieve complete recovery or minimal deficit status during system acute care.

REVISIONS: October 2006: The Date of First System Inpatient Rehab Admission Modifier was added to the database in order to allow valid date formats in the Date of First System Inpatient Rehab Admission therefore alleviating the need of code 88888888, ‘Not applicable, not admitted to System inpatient rehab unit’ in the date fields.

January 2005: Eligibility criteria changed, requiring a patient to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care). Prior to 2005, if a patient did not receive inpatient rehab care, code 88888888, ‘Not applicable, was never in System’ was used.

Variable Aliases: For Data Analysis Only

Variable ID: 125
8-Character Description: ARbAdmDt
VARIABLE NAME: Date of Discharge

DESCRIPTION: This variable identifies the date of discharge from the System.

This date may be:

✓ discharge from the system’s acute (or subacute) medical/surgical unit (only if the patient expires or achieves full recovery or minimal deficit status during acute care)

or

✓ discharge from the inpatient acute (or subacute) rehab unit at the completion of the System inpatient rehab process.

Or

✓ the date of death for patients who die during the initial hospitalization period

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: Record the month, day, and year. Unknowns are not allowed in this variable.

If the patient expires during inpatient treatment, this date is the same as the date found in the Date of Death variable. If a participant completes rehab but is not discharged (i.e., awaiting discharge location), use the date of rehab discharge. If a participant is discharged from rehab (after completion of rehab) to other system facilities or units, use the date of rehab discharge.

REVISIONS: October 2006: Date fields were converted to the 10 digit format.

January 2005: Eligibility criteria changed, requiring a patient to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care). Previous criteria allowed code 88888888, ‘Not applicable, was never a System inpatient’; a non-valid code in Form I records with Indates after March 31, 2005.
FORM I: 5. Date of Discharge
(page 2 of 2)

EXAMPLE: On October 10, 2000 the patient was injured and taken to a non-System acute unit. On October 15, 2000 he was discharged from the non-System acute unit and transferred to the System’s acute rehab unit. On November 10 he was transferred to the System’s surgical unit and was discharged from the System on November 20, 2000.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Injury</td>
<td>10/10/2000</td>
</tr>
<tr>
<td>Date of Initial System Admission</td>
<td>10/15/2000</td>
</tr>
<tr>
<td>Date of First System Rehab Admission</td>
<td>10/15/2000</td>
</tr>
<tr>
<td>Date of Discharge</td>
<td>11/20/2000</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 128
8-Character Description: ADisDt
(page 1 of 2)

VARIABLE NAME: Number of Short-term Discharge Days—From medical/surgical care Admit to Rehab Admit

DESCRIPTION: This variable documents the actual number of days spent out of the SCI Care System on short-term discharge(s) prior to the completion of the initial hospitalization/inpatient rehabilitation period from med/surgical admit to inpatient rehab admit.

These are days for which System hospitalization charges are NOT incurred.

Each Center defines the facilities that are included in their “System”. Short-term discharges are for the purpose of home adjustment or interruptions in the inpatient rehabilitation process due to the stabilization process (for pressure ulcer wounds to heal or body jackets, halos, etc.). There is intent to return for additional inpatient services and the patient spends the time in a private residence or outside of the hospital System in a skilled nursing facility. Short-term discharge days may occur DURING a hospital stay—where it is intended that the patient come back to complete rehabilitation.

CHARACTERS: 3

CODES:

0 None, (or deceased with no short term discharges)

1-887 Valid Range

888 Not Applicable, not admitted to System Med/Surg Acute (Sub-acute) care

Yes, short-term discharge days, number of days unknown

999 Unknown

COMMENTS: Data for these variables should be collected in the above format for those patients who are admitted to the System on or after October 1, 2006. If Non-Day1, report number of short-term discharge days from System acute admit forward; disregard any non-System days prior to System acute admit.

REVISIONS: November 1995: the old Number of Short-term discharge days variable was separated into two variables: Number of Short-term discharge days during Acute Care and During Inpatient Rehab.

October 2000: Number of Short-Term Discharge days during Nursing home admissions, Inpatient Subacute Medical Care and Inpatient Subacute Rehab were added to the database. Data are required for patients admitted to the System after 10/31/2000.
FORM I: 6. Short-term Discharge Days—From System Acute Rehab Admit

VARIABLE NAME: Number of Short-term Discharge Days—From medical/surgical care Admit to Rehab Admit

REVISIONS (cont’d): January 2004: code 888 may be used if there were short-term discharge days but the number of days is not known

December 2004: Variable was deleted from the database.

October 2006: Variable was added back to the database as 2 separate variables: ‘Number of Short-term Discharge Days between Acute Care and Rehab’ and ‘Number of Short-term Discharge Days during Rehab’.

QC:

EXAMPLE: The patient was injured and admitted to a System Med/Surgical acute unit on October 10, 2000. On October 15th he was discharged home with a halo with plans for him to return to the system to begin rehab. On October 25, 2000 he began inpatient acute rehab at the System from which he was discharged. He was transferred to a non-System inpatient sub-acute rehab unit on November 10, 2000. On November 28, 2000 he was discharged from that unit and readmitted to the System inpatient acute rehab unit. He was discharged home on December 15, 2000.

Date of Injury ................................................................. 10/10/2000 (mm/dd/yyyy)

Date of First System Admission ........................................... 10/10/2000 (mm/dd/yyyy)

Date of First System Inpatient Rehab Modifier ...................... 1

Date of First System Inpatient Rehab Admission .................... 10/25/2000 (mm/dd/yyyy)

Number of Days from Injury to
A. First System Admission ................................................. 001 computer-generated
R. First System Inpatient Rehab Admission ........................ 015 computer-generated

Date of Discharge ............................................................. 12/15/2000 (mm/dd/yyyy)

Number of Short term Discharge Days
A. Between Med/Surg Care and Rehab ................................... 010
R. During Rehab ................................................................. 018

Variable Aliases: For Data Analysis Only

Variable ID: 129
8-Character Description: ASDDAc2R
FORM I: 7. Short-Term Discharge Days—From Rehab Admit to System Discharge
(page 1 of 2)

VARIABLE NAME: Number of Short-term Discharge Days—From Rehab Admit to System Discharge

DESCRIPTION: This variable documents the actual number of days spent out of the SCI Care System on short-term discharge(s) from rehab admit to the completion of inpatient rehabilitation.

**These are days for which System hospitalization charges are NOT incurred.**

Each Center defines the facilities that are included in their “System”.

Short-term discharges are for the purpose of home adjustment or interruptions in the inpatient rehabilitation process due to the stabilization process (for body jackets, halos, etc.). There is intent to return for additional inpatient services and the patient spends the time in a private residence or facility outside of System. Days within the System are not counted as short term discharges (i.e., if patient is admitted back to System acute)

CHARACTERS: 3

CODES:  
0  None
1-887  Valid Range
888  Not Applicable, no System rehab admission
Yes, short-term discharge days, number days unknown
999  Unknown

COMMENTS: Code this variable as ‘888, Not Applicable’ for the following reasons:
• the patient is discharged from acute care as deceased
• the patient is discharged from acute care as recovered or minimal deficit.

Data for these variables should be collected in the above format for those patients who are admitted to the system on or after October 1, 2006.

REVISIONS: October 2006: Variable was added back to the database as 2 separate variables: ‘Number of Short-term Discharge Days between Acute Care’ and ‘Rehab and Number of Short-term Discharge Days during Rehab’.

December 2004: Variable was deleted from the database.

January 2004: code 888 may be used if there were short-term discharge days but the number of days is not known
FORM I: 7. Short-term Discharge Days—From Rehab Admit to System Discharge

(page 2 of 2)

VARIABLE NAME: Number of Short-term Discharge Days—From Rehab Admit to System Discharge

REVISIONS (cont’d): October 2000: Number of Short-Term Discharge days during Nursing home admissions, Inpatient Subacute Medical Care and Inpatient Subacute Rehab were added to the database. Data are required for patients admitted to the System after 10/31/2000.

November 1995: the old Number of Short-term discharge days variable was separated into two variables: Number of Short-term discharge days during Acute Care and During Inpatient Rehab.

QC:

EXAMPLE: The patient was injured and admitted to a System acute unit on March 10, 2000. On March 15th he began inpatient acute rehab at the system. On March 25, 2000, he was discharged home with a halo with plans for him to return to the system to continue rehab. On April 10, 2000, he was admitted again to complete rehab. He was discharged home on April 15, 2000.

Date of Injury ........................................................................................................ 03/10/2000 (mm/dd/yyyy)
Date of First System Admission ............................................................... 03/10/2000 (mm/dd/yyyy)
Date of First System Inpatient Rehab Modifier .......................................... 1
Date of First System Inpatient Rehab Admission ........................................... 03/15/2000 (mm/dd/yyyy)
Number of Days from Injury to
A. First System Admission .......................................................... 001 computer-generated
R. First System Inpatient Rehab Admission ............................................... 005 computer-generated
Date of Discharge ......................................................................................... 04/15/2000 (mm/dd/yyyy)
Number of Short term Discharge Days
A. Between Acute Care and Rehab............................................................... 000
R. During Rehab .......................................................................................... 016

Variable Aliases: For Data Analysis Only

Variable ID: 130
8-Character Description: ASDDDurR
FORM I: 8. Injury to Admit Days

VARIABLE NAME: Number of Days from Injury to First System Admission

DESCRIPTION: This variable documents the number of days from the following variables: Date of Injury to the Date of the First System Admission.

This variable is calculated by the NSCISC.

CHARACTERS: 3

CODES: 1-366 Valid range

COMMENTS: All patients admitted to the System the day of or the day after the injury are 'Day 1s'.

The code “0” is not valid. Code “1” should be interpreted to mean the patient was admitted to the reporting System within the first day following injury.

REVISIONS: January 2005: Eligibility criteria changed, requiring a patient to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care). Previous criteria allowed code 888, 'Not applicable, was never a System inpatient’ which is a non-valid code in Form I records with Indates after March 31, 2005.

SOFTWARE: The Number of Days from Injury to First System Admission is calculated using the dates in the Date of Injury and Date of First System Admission variables.

Variable Aliases: For Data Analysis Only

Variable ID: 126

8-Character Description: AI2ADays
VARIABLE NAME: Number of Days from Injury to System Rehab Admission

DESCRIPTION: This variable documents the number of days from the Date of Injury to the first admission to the System’s inpatient acute rehabilitation unit. This variable is calculated by the NSCISC.

CHARACTERS: 3

CODES: 1-887 Days from injury to rehab admit (887 or more days)

888 Not Applicable: Not admitted to System inpatient Rehab; or if patient expires during System acute Care; or if patient achieves complete recovery or minimal deficit status during System med/surg acute care with at least 7 days hospitalization.

COMMENTS: Code 888, ‘Not Applicable, not admitted to System inpatient rehab’, is allowed ONLY when:

1) a patient expires during System acute care
2) a patient achieves complete recovery or minimal deficit status during a System acute care stay of 7 or more days.

REVISIONS: January 2005: Eligibility criteria changed, requiring a patient to complete System inpatient rehab care (unless they expire or achieve complete recovery or minimal deficit status during acute care). Previous criteria allowed code 888, ‘Not applicable, was never a System inpatient’ for patients who did not receive System rehab (records with Indates prior to March 31, 2005).

SOFTWARE: The computer calculates the variable Number of Days from Injury to First System Inpatient Rehab Admission using the Date of Injury and Date of First System Inpatient Rehab Admission variables.

QC:

Variable Aliases: For Data Analysis Only

Variable ID: 127

8-Character Description: AI2RhADa
FORM I: 10. Length of Stay—Medical/Surgical Care Unit

VARIABLE NAME: Total Number of Days Hospitalized in the System’s Acute (Subacute) Medical/Surgical Care Unit

DESCRIPTION: This variable documents total length of stay in the System’s acute (subacute) medical/surgical care unit.

Only days for which hospital charges are incurred are calculated in this variable, therefore Short-term Discharge Days between Medical/Surgical Care and Rehab ARE NOT included in this total.

This variable is calculated by the NSCISC.

CHARACTERS: 4

CODES: 1-8887 Valid range

8888 Not applicable not admitted to the System’s Acute (or Subacute) Medical/Surgical Care Unit

9999 Unknown

COMMENTS: Code this variable as ‘8888’ only if the patient does not receive System med/surg acute care.

Persons with minimal neurologic impairment on admission into the system who complete inpatient rehab in the system’s acute care unit may continue to be included in the database if they are hospitalized in the system more than 1 week.

REVISIONS: December 1995: Data in this variable is required of patients who are admitted to the system on or after 12/01/1995.

November 1995: the old Number of Days Hospitalized in System variable (old variable #127) was separated into 2 variables: Number of Days Hospitalized in Acute Care (V109A) and Inpatient Rehab (V109R). The unknown code (“9999”) is not allowed in records with Indates after 2/1/1996 and prior to 10/01/2006.

QC: 1. If the patient came straight to rehab (no Medical/Surgical Care), then Med/Surg Length of Stay = 8888, and Short Term Discharge (Med/Surg to rehab) = 888.

2. If Short Term Discharge (Med/Surg to rehab) = 999, then Med/Surg Length of Stay = 9999.

3. If there is an Med/Surg admit and Short-Term Discharge Days (Med/Surg to rehab) = 888, then Med/Surg Length of Stay=9999.

SOFTWARE: The computer calculates this variable using the following dates: Date of First System Admission, Date of First System Rehab Admission, and Number of Short-Term Discharge Days From Med/Surg Care to Rehab.

Variable Aliases: For Data Analysis Only

Variable ID: 131
8-Character Description: AHDaSyAc
FORM I: 11. Length of Stay—Rehab

VARIABLE NAME: Total Days Hospitalized in the System’s Inpatient Acute (and Subacute) Rehabilitation Unit

DESCRIPTION: This variable documents the total length of stay in the System’s inpatient acute (and subacute) rehab unit to discharge from the System’s inpatient rehab stay. Only days for which hospital charges are incurred are calculated in this variable, therefore Short-term Discharge Days during Rehab are not included in this total.

This variable is calculated by the NSCISC.

CHARACTERS: 4

CODES:

1-8887 Valid range

8888 Not applicable, not admitted to System inpatient rehab unit

9999 Unknown

COMMENTS: If the patient was never admitted to the System inpatient rehab unit, code this variable as ‘8888’. Code ‘8888’ is only a valid code for this variable if:

- the patient expires during System Med/Surg care
- the patient achieves complete recovery or minimal deficit status during an initial System Med/Surg care stay of 1 week or more.

REVISIONS: October 2006: The unknown code (“9999”) is not allowed in records with Indates after 2/1/1996 and prior to 10/01/2006.

January 2005: Code 8888 is not a valid code in Form Is with Indates after 3/31/2005 unless the patient expired, achieved complete recovery, or minimal deficit status during System Med/Surg care.

November 1995: the old Number of Days Hospitalized in System variable (old variable #127) was separated into 2 variables: Number of Days Hospitalized in Med/Surg Care (V109A) and Inpatient Rehab (V109R).

December 1995: Data in this variable is required of patients who are admitted to the system on or after December 1, 1995.

QC: If patient not admitted to rehab: 1) rehab Length of Stay=8888 and rehab Short Term Discharge Days=888. 2) If Short Term Discharge Days (rehab)=888, then rehab Length of Stay=9999. 3) If Short Term Discharge (rehab)=999, then rehab Length of Stay=9999.

SOFTWARE: The computer calculates this variable using the following dates: Date of First System Rehab Admission, Date of Discharge, and Number of Short-Term Discharge Days during Rehab.

Variable Aliases: For Data Analysis Only

Variable ID: 132
8-Character Description: AHDaSyRb
FORM I: 12. Age at Injury

VARIABLE NAME: Age at Injury

DESCRIPTION: This variable specifies the age of the patient (in years) on the date the spinal cord injury occurred. NSCISC suggests data collectors verify date of birth using several sources.

CHARACTERS: 3

CODES:  
  0  Newborn or less than 1 year of age
  0-120  Valid range
  999  Unknown

Variable Aliases: For Data Analysis Only

Variable ID: 133
8-Character Description: AInjAge
VARIABLE NAME:  Sex

DESCRIPTION:  This variable specifies the sex of the patient.

CHARACTERS:  1

CODES:  1  Male
          2  Female
          3  Other, Transgender
          9  Unknown

REVISIONS:  October 2011: Code ‘3. Other, Transgender’ was added to the database.

Variable Aliases:  For Data Analysis Only

Variable ID:  134
8-Character Description:  ASex
FORM I: 14. Place of Residence
(page 1 of 2)

VARIABLE NAME: Place of Residence

DESCRIPTION: This variable specifies where the patient is actually residing
1) at the time of injury
2) at discharge from the System
This place may not necessarily coincide with the patient’s legal residence.

CHARACTERS: 2 for each entry

CODES: 1 Private Residence: includes house, apartment, hogan, mobile home, foster home, condominium, boat, individual residence in a retirement village
2 Hospital: includes mental hospital, hospital in a retirement village
3 Nursing Home: includes medi-center, skilled nursing facilities, institutions licensed as hospitals but providing essentially long-term, custodial, chronic disease care, etc.
4 Group Living Situation: includes transitional living facility, dormitory (school, church, college), military barracks, boarding school, boarding home, bunkhouse, boys’ ranch, fraternity/sorority house, labor camp, commune, shelter, convent, monastery, or other religious order residence, etc.
5 Correctional Institution: includes prison, penitentiary, jail, correctional center, etc.
6 Hotel/motel: includes YWCA, YMCA, guest ranch, inn
7 Deceased (valid in discharge position only)
8 Other, unclassified
9 Homeless: cave, car, tent, etc.
10 Assisted Living
99 Unknown

COMMENTS: Assisted living residences or assisted living facilities (ALFs) provide supervision or assistance with activities of daily living (ADLs), coordination of services by outside health care providers, and monitoring of resident activities to help ensure their health, safety and well-being.
If the patient’s place of residence does not fit into any of the above classifications, document it as “Other, unclassified”.

NSCISC: 10/2011 100
VARIABLE NAME: Place of Residence

COMMENTS (cont): Place of Residence at Discharge documents place of residence at discharge from initial hospitalization.
If, at the time of discharge from the System, the patient is transferred and admitted to a hospital for custodial care only, use code “3” (Nursing home). Do NOT use Nursing Home if the stay is temporary.

QC: If the Place of Residence at Discharge variable = ‘7, Deceased’, then the Resides in Catchment Area variable MUST = ‘88. Not Applicable, discharged as deceased’ and Date of Death Modifier MUST NOT = ‘8. N/A, patient alive’.

REVISIONS: October 2011: ’10. Assisted Living’ code was added and ‘assisted living unit in a retirement village’ was taken out of code ‘3. Nursing home’.
January 2005: On Form I collection at discharge or end of last System or non-System outpatient treatment phase was changed back to at discharge.
October 2000: convent, monastery, or other religious order residences were added to code “4”. On Form I collection at discharge was changed to at discharge or end of last System or non-System outpatient treatment phase.
November 1995: On Form I, residence at time of injury and code 09 for homeless were added. Cave, car and tent were moved from code 01 to code 09.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Injury</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID: 143</td>
<td>144</td>
</tr>
<tr>
<td>8-Character Description: APResInj</td>
<td>APResDis</td>
</tr>
</tbody>
</table>
FORM I: 15. Resides in Catchment Area

VARIABLE NAME:  Resides in Catchment Area

DESCRIPTION:  This variable documents whether or not the patient lives within the Model System’s designated geographic catchment area at the time of discharge.

CHARACTERS:  1

CODES

0  No
1  Yes
8  Not applicable, patient discharged as deceased
9  Unknown

QC:  If the Place of Residence at Discharge variable = ‘7, Deceased’, then the Resides in Catchment Area variable MUST = ‘8, Not Applicable, patient discharged as deceased’ and Date of Death Modifier MUST NOT = ‘8, N/A, patient alive’.

REVISIONS:  October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases:  For Data Analysis Only

Variable ID:  142
8-Character Description:  AInCatch
VARIABLE NAME: Geocode Modifier

DESCRIPTION: This variable is used to define the completeness of Geocode data: State, County, Census Tract ID, Block Group ID and Block Group.

CHARACTERS: 1

CODES:
0 Address not found in recommended web look-up sites
1 All geocode fields known
2 State, County, Census Tract ID and Block Group codes known
3 State, County and Census Tract ID codes known
4 State and County codes known
5 State code known
6 Out of country residence
7 Participant declined
8 Not applicable, patient discharged as deceased
9 Address Unknown

COMMENTS: Code permanent home address at System discharge. Code as much of the address as possible (for PO Boxes, code at least the State).

Geocode data fields (State through Block ID) will be blank if this variable is coded ‘6. Out of country residence’, ‘7. Declined’, ‘8. Not applicable’ or ‘9. Unknown’.

When Geocode Modifier is coded ‘0. Address not found in recommended web look-up sites’, Geocode data fields (Census Tract ID through Block ID) will be blank but State and County may be known.

SOFTWARE: This data is submitted and saved using data encryption. If researchers receive the geocode data from the NSCISC, they are required to take additional measures to keep this data secure. See Policy on releasing geocode data.

Geocode Modifier triggers validation for Geocodes on data entry screen.

REVISIONS:
October 2011: variable was added to Form I and are required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 are converted to ‘9. Unknown’.

March 2014: Codes ‘0. Address not found in recommended web look-up sites’ and ‘6. Out of country residence’ were added.

Variable Aliases: For Data Analysis Only
Variable ID: 1388
8-Character Description: AGeoMod
FORM I: 17. Geocode
(page 1 of 2)

VARIABLE NAME: Geocode

DESCRIPTION: These variables document geographic identifiers (e.g., Federal Information Processing Codes) using the 2010 Census Geocode address lookup. These variables are based on the address of the participant’s permanent residence at time of system discharge.

VARIABLE NAME: State FIPS ID The Census Bureau treats the District of Columbia and Puerto Rico as the equivalent of a state for data presentation purposes.
CHARACTERS: 2

VARIABLE NAME: County FIPS ID
CHARACTERS: 3

VARIABLE NAME: Census Tract ID
CHARACTERS: 4 digits before decimal, decimal, 2 digits after decimal

VARIABLE NAME: Census Block Group ID
CHARACTERS: 1

VARIABLE NAME: Census Block ID
CHARACTERS: 4
CODES: Valid Codes
Blank Geocode unknown or restricted
Find State and county codes at http://mdc.missouri.edu/webrepts/commoncodes/
Find Census Tract, Block Group and Block Group ID at http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=0
or if an address comes back incorrectly, you may look up geocodes (except for Block Group) at http://www.ffiec.gov/Geocode/default.aspx

COMMENTS: Geocodes are used in health and health policy research to examine relationships between area characteristics and health outcomes.

The FIPs codes that comprise a “geocode” will be stored as separate data points consisting of state, county, Census tract and Census block identifiers. With the exception of state codes, FIPS codes do not uniquely identify a place. FIPS codes must be concatenated (i.e., linked sequentially) to create a unique geographic identifier that can then be used to link individual data to Census data and other administrative data sources.

This data is submitted and saved using data encryption. The NSCISC data storage system is configured to ensure participants’ information is secure; SCIMS data is protected through secure technology including passwords, firewalls, encryption, and auditing to prevent unauthorized access. Geocode data will not be included in the National Database released to researchers unless it is requested by researchers with an approved data security plan (see Geocode Data Release Policy).
VARIABLE NAME: Geocode

COMMENTS: (cont) Census Tract ID is broken into 2 variables: 3 digits before the decimal and 2 digits after the decimal.

Use leading zeros (0) for all geocodes except ‘Census Tract ID After Decimal’ (use trailing 0s) to fill all character spaces in each of the fields.

Retrospective coding: FIPS codes may change with each US Census (every 10 years). For example, although a participant may have the same address for the last 15 years, he might have different block groups in each of the two census code look-up tables. When coding data collected prior to January 1, 2010, use the corresponding census geocodes.

If a participant lives outside the United States, code Modifier as ‘9. Unknown’ and State – Block ID will be blank.

EXAMPLE:
Patient is deceased, or patient declines, or lives outside the country.

<table>
<thead>
<tr>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>47</td>
<td>157</td>
</tr>
</tbody>
</table>

3734 Elvis Presley Boulevard, Memphis, TN 38116

<table>
<thead>
<tr>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
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<td>47</td>
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<td>0220.21</td>
<td>6</td>
<td>6000</td>
</tr>
</tbody>
</table>

1600 Pennsylvania Avenue NW, Washington D.C.20502

<table>
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<tr>
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<th>County FIPS ID</th>
<th>Census Tract ID</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>000</td>
<td>0062.02</td>
<td>1</td>
<td>1032</td>
</tr>
</tbody>
</table>

REVISION: October 2011: variables were added to Form I and are required for all patients with System Admission dates on or after 10/01/2011.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID Before decimal</th>
<th>Census Tract ID After decimal</th>
<th>Block Group ID</th>
<th>Block ID</th>
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</thead>
<tbody>
<tr>
<td>1389</td>
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<td>1391</td>
<td>1392</td>
<td>1393</td>
<td>1394</td>
<td>1394</td>
</tr>
</tbody>
</table>

8-Character Description: AGeoSt AGeoCnty AGeoCnT1 AGeoCnT2 AGeoBGID AGeoBiID
FORM I: 18. Zip Code

VARIABLE NAME: Zip Code

DESCRIPTION: This variable documents the participant's zip code at system discharge. A zip code is a 5-digit postal code used by the United States Postal Service. It uniquely identifies a geographic area.

CHARACTERS: 5

CODES: Any valid zip code
77777 Declined
88888 Not applicable, patient discharged as deceased
99999 Unknown


REVISIONS: October 2011: variables were added to Form I and are required for all patients with System Admission dates on or after 10/01/2011.

For Data Analysis Purposes Only:

Variable ID: 1395
8-Character Description: AZipInj
VARIABLE NAME: Traumatic Etiology

DESCRIPTION: This variable identifies the etiology of the trauma.
Traumatic spinal cord injury is impairment of the spinal cord or cauda
equine function resulting from the application of an external force of any
magnitude. The Model Systems’ National Spinal Cord Injury Database
collects data on traumatic cases only.

CHARACTERS: 2

CODES: VEHICULAR

1 Auto accident: includes jeep, truck, dune buggy, and bus
2 Motorcycle accident: 2-wheeled, motorized vehicles including
mopeds and motorized dirt bikes
4 Boat
5 Fixed-wing aircraft
6 Rotating wing aircraft
7 Snowmobile
8 Bicycle (includes tricycles and unicycles)
9 All-terrain vehicle (ATV) and all-terrain cycle (ATC) – include
both 3-wheeled and 4-wheeled vehicles
3 Other vehicular, unclassified: includes tractor, bulldozer, go-
cart, steamroller, train, road grader, forklift.

If two vehicles are involved, the etiology should be coded according to the
vehicle on which the patient was riding.

VIOLENCE

10 Gunshot wound
11 All other penetrating wounds: Includes stabbing, impalement.
12 Person-to-person contact: includes being hit with a blunt
object, falls as a result of being pushed (as an act of violence)
15 Explosion: includes that caused by bomb, grenade, dynamite,
and gasoline

Note: distinctions in falls (for codes 12 and 30) were made
beginning in March 1996.
VARIABLE NAME: Traumatic Etiology

CODES (continued):

SPORTS/RECREATION

20  Diving  
21  Football  
22  Trampoline  
23  Snow skiing  
24  Water skiing  
26  Wrestling  
27  Baseball/softball  
28  Basketball/volleyball  
29  Surfing: includes body surfing  
70  Horseback riding  
71  Gymnastics: includes all gymnastic activities other than trampoline  
72  Rodeo: includes bronco/bull riding  
73  Track and field: includes pole vault, high jump, etc.  
74  Field sports: includes field hockey, lacrosse, soccer, and rugby  
75  Hang gliding  
76  Air sports: includes parachuting, para-sailing  
77  Winter sports: includes sled, snow tube, toboggan, ice hockey, snow boarding  
78  Skateboard  
25  Other sport, unclassified: includes auto racing, glider kite, slide, swimming, bungee jumping, scuba diving, roller-blading, jet-skiing, cheerleading, break-dancing, etc.

FALLS/FLYING OBJECTS

30  Fall: includes jumping and being pushed accidentally (not as an act of violence)  
31  Hit by falling/flying object: includes ditch cave in, avalanche, rockslide.

PEDESTRIAN

40  Pedestrian (includes falling/jumping into the path of a vehicle)
VARIABLE NAME: Traumatic Etiology

CODES (continued):

50 Medical/surgical complication: Impairment of spinal cord function resulting from adverse effects of medical, surgical or diagnostic procedures and treatment.

Examples are: spinal cord contusion during surgery, spinal cord arterial occlusion during angiography, overexposure to radiation, spinal cord hemorrhage resulting from over anticoagulation, hypoxia of the spinal cord from cardiac arrest during surgery, and hypoxia of the spinal cord from other medical complications such as pulmonary embolus, rupture of aortic aneurysm, hypovolemic shock, etc.

There are pathological medical conditions of the vertebral spinal column such as rheumatoid spondylitis, ankylosing spondylosis, severe osteoarthritis, spinal tumors, disc problems, Paget’s disease, osteoporosis, etc., which predispose an individual to traumatic spinal cord injury. In some instances the trauma may be only slight or minimal. In such cases the etiology coded would be governed by the nature of the trauma, i.e., fall, auto accident.

Do not include paralysis due to: a progressive disease with no traumatic event, herniated disc or transverse myelitis.

60 Other unclassified: includes lightning, kicked by an animal, machinery accidents (excluding falls or hit by falling/flying objects).

UNKNOWN

99 Unknown

COMMENTS:

If the patient’s traumatic etiology does not fit into any of the above classifications, document it as “3” (Other vehicular, unclassified); “25” (Other sport, unclassified); or, “60” (Other, unclassified).

When there are questions of eligibility, it is the responsibility of the system’s Project Director to make the decision (considering the criteria specified above and reviewing the patient’s records).

Variable Aliases: For Data Analysis Only

Variable ID: 138
8-Character Description: ATrmEtio
FORM I: 20. External Cause of Injury

VARIABLE NAME: External Cause of Injury

DESCRIPTION: This variable provides information on the classification of environmental events and circumstances as the cause of injury and other adverse effects.

CHARACTERS: 6

CODES: Valid Range: V00 to Y93 see Appendix E for codes

999.999 Unknown

COMMENTS: See Appendix E for the complete list of codes or go to Tools and Training, 4. User Tools, External Cause of Injury ICD 10-CM Lookup. Y93 codes should be used rarely – only when no other code applies.

This variable should be coded as specific as possible. If you only have limited information as to how the person was injured, the software will accept partial codes. The three digit code is to be used only when there is no further subdivision.

First establish intent: accidental, assault or undetermined intent.

- If the intent is unknown or unspecified, code the intent as accidental. All transport accident categories assume accidental intent.

- For confirmed cases of abuse, neglect and maltreatment, when the perpetrator is known, use a code from Y07 - Perpetrator of maltreatment and neglect.

- Undetermined codes are only used when the record specifies that the intent cannot be determined.

If self-reported cause of injury and medical chart cause of injury do not agree, use self-reported cause of injury.


REVISIONS: May 2013: Added Y93 (Activity codes) to Appendix E.

March 2010: Updated codes to ICD-10CM 2010 version from NIH.

August 2005: Data are required for all records entered into the database as of August 2005.

April 2005: This variable was activated in the Model Systems Data Collection Software.
VARIABLE NAME: External Cause of Injury

EXAMPLE 1: An individual is hit by a car while running an errand on skateboard.

Traumatic Etiology = ‘40, Pedestrian’

External Cause of Injury = ‘V03.12, Pedestrian on skateboard injured in collision with car, pick-up truck, or van in traffic accident’

In this case, Traumatic Etiology should be coded as “40, pedestrian” unless it is indicated that the individual was participating in skateboarding as a sport.

EXAMPLE 2: An individual is skateboarding in a skate park, and collides with a wall or other stationary object.

Traumatic Etiology = ‘78, Skateboard’

External Cause of Injury = ‘V00.132, Skateboarder colliding with stationary object’

*Remember when coding External Cause of Injury, be as specific as possible.

Variable Aliases: For Data Analysis Only

Variable ID: 139
8-Character Description: AExtCsIj
FORM I: 21. Vertebral Injury

VARIABLE NAME: Vertebral Injury

DESCRIPTION: This variable documents whether there was a spinal fracture and/or dislocation in addition to the spinal cord injury. Spinal fracture or dislocation is defined as any break, rupture, or crack through or between any part(s) of the vertebral column from the occiput to the coccyx.

CHARACTERS: 1

CODES:

0  No
1  Yes
9  Unknown

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 256
8-Character Description: AVertInj
VARIABLE NAME: Associated Injury

DESCRIPTION: Injuries resulting from the same traumatic event that caused the spinal cord injury.

This variable documents whether any of the pre-specified major injuries occurred at the same time as the Spinal Cord Injury:

a.) moderate to severe Traumatic Brain Injury (Glasgow Coma Scale Score of 12 or below)

b.) non-vertebral fractures requiring surgery

c.) severe facial injuries affecting sensory organs

d.) major chest injury requiring chest-tube or mechanical ventilation

e.) traumatic amputations of an arm or leg, or injuries severe enough to require surgical amputation

f.) severe hemorrhaging

g.) damage to any internal organ requiring surgery

CHARACTERS: 1

CODES:
0  No
1  Yes
9  Unknown

COMMENTS: Code this variable as ‘yes’ if the patient has any of the above co-existing injuries. Multiple rib fractures with chest tube would be coded as ‘Yes’.

The following are to be excluded when coding this variable:
- associated injuries not listed above
- negative findings from exploratory surgery
- injuries that pre-date the spinal cord injury
- PEG tube or mechanical vent with no major chest injury

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 257
8-Character Description: AAsseInj

FORM I: 22. Associated Injury
FORM I: 23. Spinal Surgery

VARIABLE NAME:  Spinal Surgery

DESCRIPTION:  Surgery performed on the spinal column and/or its contents.

This variable documents whether any of the following spinal surgical procedures were performed at any point during the inpatient hospitalization period following spinal cord injury:

a.) laminectomy
b.) neural canal restoration
c.) open reduction
d.) spinal fusion
e.) internal fixation of the spine

CHARACTERS:  1

CODES:
0  No
1  Yes
9  Unknown

COMMENTS:  If the patient received any of the following procedures during inpatient Med/Surg Care or Rehab hospitalization (System or Non-System) following the spinal cord injury, code as ‘yes’. **All other procedures not listed are to be excluded.**

Laminectomy: removal of normal lamina or foreign body at the site of spinal cord damage.

Neural canal restoration: removal of bone or disk fragments, blood clots, or foreign bodies (such as bullet fragments) from the spinal canal.

Open reduction: operative replacement of one or more dislocated, subluxed, or angulated vertebra into anatomic or near anatomic alignment.

Spinal fusion: the addition of a bone graft to the vertebrae for the purpose of achieving intervertebral fusion or stability

Internal fixation of the spine: the attaching of rods, plates, wires, etc. to the spine (individually or in combination to provide internal surgical stabilization of the vertebral column.

REVISIONS:  October 2006: This variable was added to the database. Variables 143AA to 143AG and V143RA to V143RG were consolidated to form the ‘Spinal Surgery’ variable to remain consistent with the International Spinal Cord Injury Data Set. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only
Variable ID:  267
8-Character Description:  ASpinSrg
VARIABLE NAME: Height of the patient

DESCRIPTION: Measurement of the patient from the top of the head to the tip of the foot. This variable may be collected by self-report during system admission.

CHARACTERS: 3

CODES:

999 Unknown or bilateral leg amputation

COMMENTS: Self-reported height is acceptable.
Use code ‘999. Unknown’ if a patient has a bilateral leg amputation or if data is not found.

REVISIONS:

October 2011: Prior to October 1, 2011, height was collected at rehab admit and at rehab discharge. After October 1, 2011, height is collected anytime during System.

October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

CONVERSION:

October 2011: Prior to October 2011, height was collected at rehab admit and at rehab discharge. This conversion moved discharge height to rehab admit height if: discharge height was known AND rehab admit height was blank or unknown.

Variable Aliases: For Data Analysis Only

Variable ID: 261
8-Character Description: AHghtRhb
FORM I: 25. Weight

VARIABLE NAME: Weight of the patient

DESCRIPTION: Mass of an individual expressed in pounds. This variable documents the weight (in pounds) of the patient during System, preferably near rehab admission.

The weight of the patient may be taken by first, weighing the patient in his/her wheelchair on a digital calibrated wheelchair scale. Then weigh the wheelchair with the patient’s clothes and shoes in the chair. If patient is ambulatory, weigh in light clothing and no shoes. If the patient uses a power chair or has difficulty with transfers, it is recommended that a calibrated mechanical lift with a built-in scale be used as a substitution.

CHARACTERS: 3

CODES:

1-887 Valid range

888 Patient weighs more than 887 lbs

999 Unknown or amputated limb

COMMENTS: Collect weight measurement as close to rehab admit as possible.

Use code ‘999.Unknown’ if a patient has an amputated limb, or if weight data is not found.


REVISIONS: October 2011: Prior to October 1, 2011, weight was collected at rehab admit and at rehab discharge. After October 2011, weight is collected during System admit.

October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

CONVERSION: October 2011: Prior to October 2011, weight was collected at rehab admit and at discharge. This conversion moved discharge weight to the rehab position if: discharge weight was known AND the rehab weight was blank or unknown.

Variable Aliases: For Data Analysis Only
Variable ID: 263
8-Character Description: AWghtRhb
VARIABLE NAME: Utilization of Mechanical Ventilation

DESCRIPTION: This variable documents any use of any type of mechanical ventilation used to sustain respiration

1) at admission to System inpatient rehab
2) at System discharge

CHARACTERS: 1 for each entry

CODES:
0 No
1 Yes, limited, short-term use for pulmonary complications
2 Yes, ventilator-dependent or ventilator use requiring a weaning process
3 Yes, phrenic nerve stimulator
4 Yes, used mechanical ventilation, length of time and type unknown This is a CONVERSION CODE ONLY (code “1” prior to 10/86). Data collectors may NOT use this code. This information is provided for data analyses purposes only.
9 Unknown

No System rehab admission (Rehab Admit Only)

COMMENTS:
Ventilatory assistance includes but is not limited to mechanical ventilators, phrenic nerve stimulators, external negative pressure devices, and BiPAP. Do not include routine administration of oxygen, periodic IPPB administration, or CPAP.

Code 1, ‘Limited, short-term use’ is defined as respiratory support used as part of the medical treatment for other pulmonary complications.

◊ Do NOT include emergency mouth-to-mouth or machine resuscitation; emergency “bagging”; or operative / post-operative ventilatory support used for less than 7 days.

Do use code 1 for post-op support lasting more than 7 days. Code 2, ‘Ventilator Dependent’ is used for those who need partial or total respiratory support on daily basis and 1) require a weaning process or 2) are ventilator-dependent.

Do not use code 2 for vent support used for less than 7 days.

When the patient dies during the initial system admission period (i.e., the Date of Discharge = Date of Death) – vent use should reflect what’s being used at the time of death (even if the patient was never admitted to rehab). “At Discharge” can be at discharge from the Med/Surg Care unit if there was no rehab admission.

Use of code 9, ‘No System rehab admission’ is only allowed for patients who expire during System Med/Surg care or for those patients who achieve complete recovery or minimal deficit status during System Med/Surg care.

REVISIONS: October 2000: data collection during System was deleted; data collection at System inpatient acute rehab admission was added (data are required for patients admitted to the System after 10/31/2000).

QC: If Rehab Admit Modifier = 8, then Mechanical Vent at Rehab admit MUST = 9.

Variable Aliases: For Data Analysis Only
Admit Discharge
Variable ID: 259 260
8-Character Description: AUMVAdm AUMVDis
FORM I:  27. Halo Device at Rehab Discharge

VARIABLE NAME:  Halo Device at Rehab Discharge

DESCRIPTION:  This variable documents whether a patient required spinal column stabilization using a halo at the time of discharge from the inpatient System rehab.

CHARACTERS:  1

CODES:  
0  No
1  Yes
9  Unknown

Comments:  No System rehab admission

COMMENTS:  Only document the use of a halo device; all other neck orthoses should be excluded.

Use of code 9, ‘No System rehab admission’ is only allowed for patients who expire during System Medical/Surgical care or for those patients who achieve complete recovery or minimal deficit status during System Medical/Surgical care.

QC:  If the Rehab Admit Modifier = 8, then Halo Device at Rehab Discharge MUST = 9.

REVISIONS:  October 2006:  This variable was added to the database.  Data are required in this format for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases:  For Data Analysis Only

Variable ID:  265
8-Character Description:  AHaloDis
**FORM I: 28. TLSO Brace at Rehab Discharge**

**VARIABLE NAME:** Thoracolumbosacral Orthosis (TLSO) at Rehab Discharge

**DESCRIPTION:** This variable documents whether a patient was fitted for a TLSO brace at the time of inpatient System rehab discharge.

**CHARACTERS:** 1

**CODES:**
- 0 No
- 1 Yes
- 9 Unknown

**COMMENTS:**
A TLSO is a custom fitted orthosis constructed of solid materials (e.g. metal and/or custom molded plastic) that is used to restrict spine motion and promote successful fusion following spinal injury and/or spine surgery. Fabric corsets, lumbar supports, and abdominal binders should not be considered TLSOs. A Jewett Brace is considered a TLSO.

Use of code 9, ‘No System rehab admission’ is only allowed for patients who expire during System Med/Surg care or for those patients who achieve complete recovery or minimal deficit status during System care.

If discharge medical notes list TLSO ‘as needed’, code as ‘1. Yes’

**QC:**
If the Rehab Admit Modifier = 8, then TLSO at Rehab Discharge MUST = 9.

**REVISIONS:** October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 266

8-Character Description: ATLSODis
VARIABLE NAME: Method of Bladder Management

DESCRIPTION: This variable defines the primary method of bladder management being used at discharge.

CHARACTERS: 1 for each entry

CODES:

0  None: The patient has a neurogenic bladder but does not follow any established program of bladder management. This includes diapers, pampers, etc.

1  Indwelling urethral catheter: Bladder is emptied by any type of catheter which is maintained through the urethra (i.e. Foley).

2  Indwelling catheter after augmentation or continent diversion: Bladder is emptied by any type of catheter which is maintained through the stoma.

Catheter Free With External Collector
The patient voids satisfactorily using any method of reflex stimulation or any form of extrinsic pressure. However, an external collector is utilized to control incontinence (i.e. Texas Catheter, condom cath). Urinals and diapers are not external collectors.

3  Catheter free with external collector, no sphincterotomy

4  Catheter free with external collector and sphincterotomy

5  Catheter free with external collector, sphincterotomy unknown

6  Catheter free without external collector: The patient voids satisfactorily using any method of reflex stimulation or any form of extrinsic pressure. An external collector is not required in that the patient has developed adequate continence.
FORM I: 29. Bladder Management
(page 2 of 3)

VARIABLE NAME: Method of Bladder Management

CODES:

Intermittent Catheterization Program (ICP): The patient empties the bladder by frequent insertion of a urethral catheter in an on-going program of chronic management. Intermittent catheterizations using this technique are done several times a day. This category does not pertain to infrequent periodic catheterizations for the purpose of checking urinary residual.

7 ICP only
8 ICP with external collector (condom catheter)
9 ICP after augmentation or continent diversion
10 ICP – external collector, augmentation or continent diversion unknown
11 Conduit: The bladder is drained by any of the surgical techniques using various portions of the intestinal tract that are not categorized as bladder augmentation.
12 Suprapubic Cystostomy: The bladder is drained by any of the surgical techniques using a catheter through a suprapubic orifice (i.e. SP).
13 Normal Micturition (old code 4): The patient voids satisfactorily without using reflex stimulation or extrinsic bladder pressure voiding techniques. The bladder, however, may or may not have completely normal function.
14 Other: All other bladder drainage techniques such as ureterocutaneostomy (pyelostomy), electro-stimulation, electromagnetic ball valve, detrusor stimulation, sacral implants, conus implants, vesicostomy, ureteral catheterization, etc.
99 Unknown

COMMENTS: If a participant uses medication to void and is continent, then code as ’13. Normal’. If a participant uses ICP with a urinal or a diaper, code as 7. ICP. External collectors are used to control incontinence (i.e., condom cath)
FORM I: 29. Bladder Management
(page 3 of 3)

VARIABLE NAME: Method of Bladder Management

REVISIONS: In November 1995: New categories (codes 2, 3, 4, 7, 8 and 9) were added; and, Bladder Management at System Admission was changed to Bladder Management at Admission to Inpatient Rehab.

January 1998 – Bladder Management at Admission to Inpatient Rehab was deleted.

CONVERSIONS: November 1995: For records in existence at this time –
Old admission data were moved into the new rehab variable if the patient’s initial system admission was directly to the system’s rehab unit.

Old discharge data were moved into the new discharge variable.

Additionally, the following code conversions were made if old data were moved into the new variables:

<table>
<thead>
<tr>
<th>Old Code</th>
<th>Current Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>14</td>
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<td>99</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 258
8-Character Description: ABdMMDis
FORM I: 30. FIM-Overview
(Page 1 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Items A through M and T

DESCRIPTION: This variable assesses severity of disability through measurement of the most common and useful functional assessment items. Only the thirteen motor assessment items (A through M) and the Motor Subtotal Score (S) are documented. Data are collected
1) at the beginning of the first inpatient acute rehab stay
2) prior to discharge from the last inpatient acute rehab stay

CHARACTERS: 1 for each FIM item
2 for each Total Motor Score

CODES:
9 Unknown
◊ the activity did occur, but no observer was available to rate the subject’s performance
◊ the activity did occur, but the observer’s rating is not available
◊ the assessments were not performed within 3 calendar days of admission to inpatient rehab or within 3 calendar days of inpatient rehab discharge
◊ the subject is under the age of 6
◊ the subject was not admitted to System inpatient acute rehab
◊ deceased

INDEPENDENT (NO HELPER): Another person is not required for the activity.
7 Complete Independence – The subject safely performs all the tasks described as making up the activity within a reasonable amount of time, and does so without modification, assistive devices, or aids.
6 Modified Independence – One or more of the following may be true: the activity requires an assistive device, the activity takes more than reasonable time, or the activity involves safety (risk) considerations.

DEPENDENT (REQUIRES HELPER): Subject requires another person for either supervision or physical assistance in order for the activity, or it is not performed.

MODIFIED DEPENDENCE – The subject expends half (50%) or more of the effort. The levels of assistance required are defined below:
5 Supervision or Setup – The subject requires no more help than standby, cueing or coaxing, without physical contact; alternately, the helper sets up needed items or applies orthoses or assistive/adaptive devices.
4 Minimal Contact Assistance – The subject requires no more help than touching, and expends 75% or more of the effort.
3 Moderate Assistance – The subject requires more help than touching, or expends between 50 and 74% of the effort.
VARIABLE NAME: Functional Independence Measure (FIM) – Items A through M and T

CODES (cont’d):

COMPLETE DEPENDENCE – The subject expends less than half (less than 50%) of the effort. Maximal or total assistance is required. The levels of assistance required are defined below:

2 Maximal Assistance – The subject expends between 25 and 49% of the effort.

1 Total Assistance – The subject expends less than 25% of the effort or subject cannot be rated due to physical or cognitive limitations and a helper performs the activity for the patient.

0 Activity Does Not Occur – The subject does not perform the activity, and a helper does not perform the activity for the patient.

NOTE: Do NOT use code 0 if:

• the subject performs the activity without a clinician observing. In such cases, consult other clinicians, the subject’s medical record, the subject, and the subject’s family members to obtain information about the subject’s functional status.

• If no information is available, use code 9.

COMMENTS:

Use the Uniform Data System’s (UDS) training materials to train the persons who document this information. Training manuals are available (for a fee) from the UDS for non-UDS subscribers.

For all systems, the beginning of the inpatient rehabilitation stay is marked by the first admission to the System’s inpatient acute rehabilitation hospital, transfer to the System’s inpatient rehabilitation unit, or commencement of the inpatient rehabilitation program in a multipurpose unit in the System. This is the date coded in the Date of first System Inpatient Rehab Admission. Admission assessments should occur within 3 calendar days of this date.

The admission assessments for bladder and bowel accidents include the 4 days prior to the rehab admission, as well as the first 3 days in the rehab unit.
VARIABLE NAME: Functional Independence Measure (FIM) – Items A through M and T

COMMENTS (cont’d): Record the number which best describes the respondent’s level of function for each FIM item on the coding form. If the subject does not perform an activity during the observation period due to physical or cognitive limitations (e.g., a cast or IV line) and, a helper performs the activity for the subject, use code “1”. If the subject does not perform an activity during the observation period and, a helper does not perform the activity for the subject, use code “0” (when allowed) or, use code “1” (when “0” is not allowed).

In the event FIM items are rated higher during therapy than when the subject is observed on the nursing floor or in his/her room, record the lower score. The usual reason for this is the subject has not mastered the function or is too tired or not motivated enough to transfer the behavior out of the therapy setting. The lower score is recorded because it is what the subject actually does.

SOURCE: Uniform Data System for Medical Rehabilitation.

QC:

REVISIONS: Form I FIM data are to be collected on all subjects admitted to the rehab unit after 9/30/88 (i.e., V108 greater than 09/30/1988).
January 1998: All Communication and Social Cognition items were deleted.
January 2002: UDS changes on Form I were implemented for those patients who were discharged on or after January 1, 2002.
April 2010: Removed code 0 at discharge for Tub/Shower Transfers and restricted discharge FIM to within 3 days of discharge.

The following is a list of all items included in this variable:

**SELF CARE**
A. Eating
B. Grooming
C. Bathing
D. Dressing – Upper body
E. Dressing – Lower body
F. Toileting

**SPHINCTER CONTROL**
G. Bladder Management
H. Bowel Management

**MOBILITY (TRANSFER)**
I. Bed, Chair, Wheelchair
J. Toilet
K. Tub, Shower

**LOCOMOTION**
L. Walking or Wheelchair
LM. Mode of Locomotion
M. Stairs

**TOTAL**
FORM I: 30A. FIM-Self Care-Eating

VARIABLE NAME: Functional Independence Measure (FIM) – Self Care: Eating

DESCRIPTION: Includes the ability to use suitable utensils to bring food to the mouth, as well as the ability to chew and swallow the food once the meal is presented in the customary manner on a table or tray. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:

9 Unknown

NO HELPER

7 Complete independence – The subject eats from a dish while managing a variety of food consistencies, and drinks from a cup or glass with the meal presented in the customary manner on a table or tray. The subject opens containers, butters bread, cuts meat, pours liquids and uses a spoon or fork to bring food to the mouth, where it is chewed and swallowed. The subject performs this activity safely.

6 Modified independence – Performance of the activity involves safety considerations, or the subject requires an adaptive or assistive device such as a long straw, spork or rocking knife; requires more than a reasonable amount of time to eat; or requires modified food consistency or blended food. If the subject relies on other means of alimentation, such as parenteral or gastrostomy feedings, then (s)he self-administers the feedings.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of orthoses or assistive/adaptive devices), or another person is required to open containers, butter bread, cut meat, or pour liquids.

4 Minimal contact assistance – The subject performs 75% or more of eating tasks.

3 Moderate assistance – The subject performs 50% to 74% of eating tasks.

2 Maximal assistance – The subject performs 25% to 49% of eating tasks.

1 Total assistance – The subject performs less than 25% of eating tasks, or the subject relies on parenteral or gastrostomy feedings (either wholly or partially) and does not administer self-administer the feedings; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not eat and does not receive any parenteral/enteral nutrition and a helper does not perform the activity for the subject. Use of this code should be rare.

Variable Aliases: For Data Analysis Only
Admit Discharge
Variable ID: 268 283
8-Character Description: AFEatgRb AFEatgDs
FORM I: 30B. FIM-Self Care-Grooming

VARIABLE NAME: Functional Independence Measure (FIM) – Self Care: Grooming

DESCRIPTION: Includes oral care, hair grooming (combing or brushing hair), washing the hands*, washing the face*, and either shaving the face or applying makeup. If the subject neither shaves nor applies make-up, Grooming includes only the first four tasks. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:

9 Unknown

NO HELPER

7 Complete independence – The subject cleans teeth or dentures, combs or brushes hair, washes the hands*, washes the face, and either shaves the face or applies make-up, including all preparations. The subject performs this activity safely.

6 Modified independence – The subject requires specialized equipment (including prosthesis or orthosis) to perform grooming activities, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of orthoses or adapted/assistive devices, setting out grooming equipment, and initial preparation such as applying toothpaste to toothbrush and opening make-up containers).

4 Minimal contact assistance – The subject performs 75% or more of grooming tasks.

3 Moderate assistance – The subject performs 50% to 74% of grooming tasks.

2 Maximal assistance – The subject performs 25% to 49% of grooming tasks.

1 Total assistance – The subject performs less than 25% of grooming tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not perform any grooming activities (oral care, hair grooming, washing the hands, washing the face, and either shaving the face or applying make-up) and is not groomed by a helper. Use of this code should be rare.

COMMENTS: Assess only the activities listed in the definition. Grooming does not include flossing teeth, shampooing the hair, applying deodorant, or shaving legs. If the subject is bald or chooses not to shave or apply make-up, do not assess those activities.

*including rinsing and drying.

Variable Aliases: For Data Analysis Only

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NSCISC: 10/2011  127
FORM I: 30C. FIM-Self Care-Bathing

VARIABLE NAME: Functional Independence Measure (FIM) – Self Care: Bathing

DESCRIPTION: Includes washing, rinsing and drying the body from the neck down (excluding the neck and back) in either a tub or shower or sponge/bed bath. The patient performs the activity safely.

CHARACTERS: 1 for each entry

CODES:
9 Unknown

NO HELPER
7 Complete independence – The subject safely bathes (washes, rinses and dries) the body.
6 Modified independence – The subject requires specialized equipment (including prosthesis or orthosis) to bathe, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of assistive/adaptive devices, setting out bathing equipment, and initial preparation such as preparing the water or washing materials).
4 Minimal contact assistance – The subject performs 75% or more of bathing tasks.
3 Moderate assistance – The subject performs 50% to 74% of bathing tasks.
2 Maximal assistance – The subject performs 25% to 49% of bathing tasks.
1 Total assistance – The subject performs less than 25% of bathing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.
0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not bathe self and is not bathed by a helper. Use of this code should be rare.

COMMENTS: There are ten body parts included in this activity, each accounting for 10% of the total: chest, left arm, right arm, abdomen, perineal area, buttocks, left upper leg, right upper leg, left lower leg (including foot) and right lower leg (including foot).

Variable Aliases: For Data Analysis Only
Admit Variable ID: 270  Discharge Variable ID: 285
8-Character Description: AFBthgRb  AFBthgDs
VARIABLE NAME: Functional Independence Measure (FIM) – Self Care: Dressing, Upper Body

DESCRIPTION: Includes dressing and undressing above the waist, as well as applying and removing prosthesis or orthosis when applicable. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:
9 Unknown

NO HELPER
7 Complete independence – The subject dresses and undresses self. This includes obtaining clothes from their customary places (such as drawers and closets) and may include managing a bra, pullover garment, front-opening garment, zippers, buttons, or snaps, as well as the application and removal of a prosthesis or orthosis (which is not used as an assistive device for upper body dressing) when applicable. The subject performs this activity safely.

6 Modified independence – The subject requires special adaptive closure such as Velcro® Fastener, or an assistive device (including a prosthesis or orthosis) to dress, or takes more than a reasonable amount of time.

HELPER
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of an upper body or limb orthosis/prosthesis, application of an assistive/adaptive device, or setting out clothes or dressing equipment).

4 Minimal contact assistance – The subject performs 75% or more of dressing tasks.

3 Moderate assistance – The subject performs 50% to 74% of dressing tasks.

2 Maximal assistance – The subject performs 25% to 49% of dressing tasks.

1 Total assistance – The subject performs less than 25% of dressing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not dress in clothing that is appropriate to wear in public and is not dressed by a helper. The subject who wears only a hospital gown should be coded “0 – Activity does not occur”. Putting on and taking off scrubs may be appropriate for purposes of assessment. Use of this code should be rare.

COMMENTS: When assessing dressing and undressing, the subject must use clothing that is appropriate to wear in public. If the subject wears only hospital gowns or nightgowns/pajamas, score as level 0 at admit (1 at discharge).
**FORM I: 30E. FIM-Self Care-Dressing, Lower Body**

**VARIABLE NAME:** Functional Independence Measure (FIM) – Self Care: Dressing, Lower Body

**DESCRIPTION:** Includes dressing and undressing from the waist down, as well as applying and removing a prosthesis or orthosis when applicable. The subject performs this activity safely.

**CHARACTERS:** 1 for each entry

**CODES:**

- **9** Unknown

**NO HELPER**

- **7** Complete independence – The subject dresses and undresses safely. This includes obtaining clothes from their customary places (such as drawers and closets), and may also include managing underpants, slacks, skirt, belt, stockings, shoes, zippers, buttons, and snaps as well as the application and removal of a prosthesis or orthosis (which is not used as an assistive device for lower body dressing) when applicable.

- **6** Modified independence – The subject requires special adaptive closure such as Velcro® Fastener, or an assistive device (including a prosthesis or orthosis) to dress, or takes more than a reasonable amount of time.

**HELPER**

- **5** Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of an lower body or limb orthosis/prosthesis, application of an assistive/adaptive device or setting out clothes or dressing equipment).

- **4** Minimal contact assistance – The subject performs 75% or more of dressing tasks.

- **3** Moderate assistance – The subject performs 50% to 74% of dressing tasks.

- **2** Maximal assistance – The subject performs 25% to 49% of dressing tasks.

- **1** Total assistance – The subject performs less than 25% of dressing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

- **0** Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not dress in clothing that is appropriate to wear in public and is not dressed by a helper. The subject who wears only a hospital gown and/or underpants and/or footwear should be coded “0 – Activity does not occur”. Putting on and taking off scrubs may be appropriate for purposes of assessment. Use of this code should be rare.

**COMMENTS:** When assessing dressing and undressing, the subject must use clothing that is appropriate to wear in public. If the subject wears only hospital gowns or nightgowns/pajamas, score as level 0 at admit (1 at discharge).

**Variable Aliases:** For Data Analysis Only

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VARIABLE NAME: Functional Independence Measure (FIM) – Self Care: Toileting

DESCRIPTION: Includes maintaining perineal hygiene and adjusting clothing before and after toilet, bedpan, or urinal. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:

9 Unknown

NO HELPER

7 Complete independence – The subject safely cleanses self after voiding and bowel movements and safely adjusts clothing before and after using toilet or bedpan.

6 Modified independence – The subject requires specialized equipment (including prosthesis or orthosis) during toileting, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of adaptive devices or opening packages).

4 Minimal contact assistance – The subject performs 75% or more of toileting tasks.

3 Moderate assistance – The subject performs 50% to 74% of toileting tasks.

2 Maximal assistance – The subject performs 25% to 49% of toileting tasks.

1 Total assistance – The subject performs less than 25% of toileting tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not perform any of the toileting tasks (perineal cleansing, clothing adjustment before and after toilet use, etc.), and a helper does not perform any of these activities for the subject. Use of this code should be rare.

Variable Aliases: For Data Analysis Only

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</table>
FORM I: 30G. FIM-Sphincter Control-Bladder Management

(Page 1 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Sphincter Control: Bladder Management

DESCRIPTION: Bladder Management consists of two function modifiers (Level of Assistance and Frequency of Accidents). After these two function modifiers are scored, record the lower (more dependent) score in FIM item G.

FUNCTION MODIFIER #1:
Bladder Management – Level of Assistance

DESCRIPTION: This is the first function modifier used to determine Sphincter Control: Bladder Management. It includes the safe use of equipment or agents for bladder management.

CODES:

9 Unknown

NO HELPER

7 Complete independence – The subject controls bladder completely and intentionally without equipment or devices, and is never incontinent (no accidents).

6 Modified independence – The subject requires a urinal, bedpan, catheter, absorbent pad, diaper, urinary collecting device, or urinary diversion or uses medication for control. If catheter is used, the subject cleans, sterilizes, and sets up the equipment for irrigation without assistance. If the subject uses a device, (s)he assembles and applies an external catheter with drainage bags or an ileal appliance without assistance of another person; the subject also empties, puts on, removes, and cleans leg bag or empties and cleans ileal appliance bag.

The subject has no accidents.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (placing or emptying) of equipment to maintain a satisfactory voiding pattern or an external device.

4 Minimal contact assistance – The subject requires minimal contact assistance to maintain an external device, and performs 75% or more of bladder management tasks.

3 Moderate assistance – The subject requires moderate assistance to maintain an external device, and performs 50% to 74% of bladder management tasks.

2 Maximal assistance – The subject performs 25% to 49% of bladder management tasks.

1 Total assistance – The subject performs less than 25% of bladder management tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.
FORM I: 30G. FIM-Sphincter Control-Bladder Management
(Page 2 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Sphincter Control: Bladder Management

FUNCTION MODIFIER #1 (cont’d):

*Bladder Management – Level of Assistance*

COMMENTS: The functional goal of bladder management is to open the urinary sphincter only when needed and to keep it closed the rest of the time. This may require devices, medications (agents), or assistance in some subjects. This item deals with the level of assistance required to complete bladder management tasks. If the subject does not void (e.g., subject has renal failure and is on hemodialysis), then code level 7 – Complete Independence.

A separate function modifier, *Bladder Management – Frequency of Accidents*, deals with the success of the bladder management program. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item G.

FUNCTION MODIFIER #2:

*Bladder Management – Frequency of Accidents*

DESCRIPTION: This is the second function modifier used to determine Sphincter Control: Bladder Management. It includes complete intentional control of urinary bladder and, if necessary, use of equipment or agents for bladder control. Bladder accidents refer to the act of wetting linen or clothing with urine, and includes bedpan and urinal spills. The admission assessment for bladder accidents includes the 4 days prior to the rehab admission as well as the first 3 days in the rehab facility.

CODES: 9 Unknown

NO HELPER

7 No accidents – The subject controls bladder completely and intentionally, and does not have any accidents.

6 No accidents; uses device such as a catheter – The subject requires a urinal, bedpan, catheter, absorbent pad, diaper, urinary collecting device, or urinary diversion or uses medication for control. The subject cleans and maintains equipment without assistance of another person. The subject has no accidents.

HELPER

5 One (1) bladder accident, including bedpan and urinal spills, in the past 7 days.

4 Two (2) bladder accidents, including bedpan and urinal spills, in the past 7 days.

3 Three (3) bladder accidents, including bedpan and urinal spills, in the past 7 days.

2 Four (4) bladder accidents, including bedpan and urinal spills, in the past 7 days.

1 Five (5) bladder accidents, including bedpan and urinal spills, in the past 7 days.
FORM I: 30G. FIM-Sphincter Control-Bladder Management
(Page 3 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Sphincter Control: Bladder Management

FUNCTION MODIFIER #2 (cont’d):

*Bladder Management – Frequency of Accidents*

COMMENTS: The functional goal of bladder management is to open the urinary sphincter only when needed and to keep it closed the rest of the time. This item deals with the frequency of accidents required to complete bladder management tasks. If the subject does not void (e.g., subject has renal failure and is on hemodialysis), then code level 7 – Complete Independence.

A separate function modifier, *Bladder Management – Level of Assistance*, deals with the level of assistance to complete the bladder management tasks. This modifier is scored separately. After these two function modifiers are scored, the lower (more dependent) score is reported in FIM item G.

Variable Aliases: For Data Analysis Only

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8-Character Description: AFBdMgRb AFBdMgDs
FORM I: 30H. FIM-Sphincter Control-Bowel Management

VARIABLE NAME: Functional Independence Measure (FIM) – Sphincter Control: Bowel Management

DESCRIPTION: Bowel Management consists of two function modifiers (Level of Assistance and Frequency of Accidents). After these two function modifiers are scored, the lower (more dependent) score is recorded in this FIM item.

FUNCTION MODIFIER #1:
Bowel Management – Level of Assistance

DESCRIPTION: This is the first function modifier used to determine Sphincter Control: Bowel Management. It includes the use of equipment or agents for bowel management. The admission assessment for bowel accidents includes the 4 days prior to the rehab admission, as well as the first 3 days in the rehab facility.

CODES:

9 Unknown

NO HELPER
7 Complete independence – The subject controls bowels completely and intentionally without equipment or devices, and does not have any bowel accidents.
6 Modified independence – The subject requires a bedpan, digital stimulation or stool softeners, suppositories, laxatives (other than natural laxatives like prunes), or enemas on a regular basis; alternately, the patient uses other medications for control. If the subject has a colostomy, (s)he maintains it. The subject has no accidents.

HELPER
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup of equipment necessary for the subject to maintain either a satisfactory excretory pattern or an ostomy device.
4 Minimal contact assistance – The subject requires minimal contact assistance to maintain a satisfactory excretory pattern by using suppositories, enemas, or an external device. The subject performs 75% or more of bowel management tasks.
3 Moderate assistance – The subject requires moderate assistance to maintain a satisfactory excretory pattern by using suppositories, enemas, or an external device. The subject performs 50% to 74% of bowel management tasks.
2 Maximal assistance – The subject performs 25% to 49% of bowel management tasks.
1 Total assistance – The subject performs less than 25% of bowel management tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.
FUNCTION MODIFIER #1 (cont’d):

_Bowel Management – Level of Assistance_

COMMENTS: The functional goal of bowel management is to open the anal sphincter only when needed and to keep it closed the rest of the time. This may require devices, medications (agents), or assistance in some subjects. This item deals with the level of assistance required to complete bowel management tasks.

A separate function modifier, _Bowel Management – Frequency of Accidents_, deals with the success of the bowel management program. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item H.

FUNCTION MODIFIER #2:

_Bowel Management – Frequency of Accidents_

DESCRIPTION: This is the second function modifier used to determine Sphincter Control: Bowel Management. It includes complete intentional control of bowel movements and (if necessary) use of equipment/agents for bowel control. Bowel accidents refer to the act of soiling linen or clothing with stool, including bedpan spills.

CODES:

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<tr>
<td>7</td>
<td>No accidents – The subject controls bowel completely and intentionally without equipment or devices, and is <em>never incontinent</em> (no accidents).</td>
</tr>
<tr>
<td>6</td>
<td>No accidents; uses device such as ostomy – The subject requires a bedpan, digital stimulation or stool softeners, suppositories, laxatives (other than natural laxatives like prunes), or enemas on a regular basis; alternately, the patient uses other medications for control. <em>The subject has no accidents</em>.</td>
</tr>
<tr>
<td>5</td>
<td>One (1) accident in the past 7 days.</td>
</tr>
<tr>
<td>4</td>
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<td>Three (3) accidents in the past 7 days.</td>
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<td>2</td>
<td>Four (4) accidents in the past 7 days.</td>
</tr>
<tr>
<td>1</td>
<td>Five (5) accidents in the past 7 days.</td>
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FORM I: 30H. FIM-Sphincter Control-Bowel Management

(Page 3 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Sphincter Control: Bowel Management

FUNCTION MODIFIER #2 (cont’d):

_Bowel Management – Frequency of Accidents_

COMMENTS: The functional goal of bowel management is to open the anal sphincter only when needed and to keep it closed the rest of the time. This item deals with the frequency of accidents required to complete bowel management tasks.

A separate function modifier, _Bowel Management – Level of Assistance_, deals with the level of assistance to complete the bowel management tasks. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item H.

Variable Aliases: For Data Analysis Only

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**FORM I: 30I. FIM-Mobility (Transfers)-Bed, Chair, Wheelchair**

**VARIABLE NAME:** Functional Independence Measure (FIM) – Mobility (Transfers): Bed, Chair, Wheelchair

**DESCRIPTION:** Includes all aspects of transferring to and from bed, chair and wheelchair or coming to a standing position if walking is the typical mode of locomotion. The subject performs this activity safely.

**CHARACTERS:** 1 for each entry

**CODES:**
- **9** Unknown
- **7** Complete independence – If walking: The subject safely approaches, sits down on a regular chair, and gets up to a standing position from a regular chair. The subject also safely transfers from bed to chair.
  
  If in a wheelchair: The subject approaches a bed or chair, locks brakes, lifts foot rests, removes arm rest if necessary, and performs either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.

- **6** Modified independence – The subject requires adaptive or assistive device such as a sliding board, a lift, grab bars, or a special seat/chair/brace/crutches; or the activity takes more than a reasonable amount of time; or there are safety considerations. In this case, a prosthesis or orthosis is considered an assistive device if used for the transfer.

- **5** Supervision or setup – Requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).

- **4** Minimal contact assistance – The subject requires no more than touching and performs 75% or more of transferring tasks.

- **3** Moderate assistance – The subject requires more help than touching or performs 50% to 74% of transferring tasks.

- **2** Maximal assistance – The subject performs 25% to 49% of transferring tasks.

- **1** Total assistance – The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

- **0** Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not transfer to or from the bed or a chair, and is not transferred to or from the bed or chair by a helper or lifting device. Use of this code should be rare.

**COMMENTS:** When assessing bed to chair transfer, the subject begins and ends in the supine position.

**Variable Aliases: For Data Analysis Only**

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**8-Character Description:** AFMBCWRb AFMBCWDS
VARIABLE NAME: Functional Independence Measure (FIM) – Mobility (Transfer): Toilet

DESCRIPTION: Includes getting on and off a toilet.

CHARACTERS: 1 for each entry

CODES:
9 Unknown

No helper

7 Complete independence –
   If walking: The subject approaches, sits down on a standard toilet and
   gets up from a standard toilet. The subject performs this activity safely.

   If in a wheelchair: The subject approaches toilet, locks brakes, lifts foot
   rests, removes arm rests if necessary and does either a standing pivot or
   sliding transfer (without a board) and returns. The subject performs this
   activity safely.

6 Modified independence – The subject requires an adaptive or assistive
device such as a sliding board, a lift, grab bars, or special seat; or takes
more than a reasonable amount of time to complete the activity; or there
are safety considerations. In this case, a prosthesis or orthosis is
considered an assistive device if used for the transfer.

Helper

5 Supervision or setup – The subject requires supervision (e.g., standing
by, cueing or coaxing) or setup (positioning sliding board, moving foot
rests, etc.).

4 Minimal contact assistance – The subject requires no more than
touching and performs 75% or more of transferring tasks.

3 Moderate assistance – The subject requires more help than touching or
performs 50% to 74% of transferring tasks.

2 Maximal assistance – The subject performs 25% to 49% of transferring
tasks.

1 Total assistance – The subject performs less than 25% of transferring
tasks; or the subject cannot perform the task due to physical or cognitive
limitations and a helper performs the activity for the subject.

0 Activity does not occur – Enter code 0 only for the admission
assessment (Use code 1 at discharge). The subject does not transfer on or
off the toilet/commode, and is not transferred on or off the
toilet/commode by a helper or lifting device. For example, the subject
uses only a bedpan and/or urinal. Use of this code should be rare.

Variable Aliases: For Data Analysis Only

    Admit                  Discharge
Variable ID:     277                  292
8-Character Description: AFMTTltRb     AFMTTltDs
VARIABLE NAME: Functional Independence Measure (FIM) – Mobility (Transfer): Tub, Shower

DESCRIPTION: Mobility (Transfer): Tub, Shower consists of two function modifiers (Transfers: Tub and Transfers: Shower). After these two function modifiers are scored, the lower (more dependent) score is recorded in this FIM item.

FUNCTION MODIFIER #1:

Transfers: Tub

DESCRIPTION: Includes getting into and out of a tub. The subject performs this activity safely. This is the first of two function modifiers.

CODES:

9 Unknown

NO HELPER

7 Complete independence –
   If walking: The subject approaches a tub, and gets into and out of it. The subject performs this activity safely.
   If in a wheelchair: The subject approaches a tub, locks brakes, lifts foot rests, removes arm rests if necessary, and does either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.

6 Modified independence – The subject requires an adaptive or assistive device (including prosthesis or orthosis) such as a sliding board, a lift, grab bars, or special seat; takes more than a reasonable amount of time to complete the activity or there are safety considerations.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).

4 Minimal contact assistance – The subject performs 75% or more of transferring tasks.

3 Moderate assistance – The subject requires no more than touching and performs 50% to 74% of transferring tasks.

2 Maximal assistance – The subject requires more help than touching or performs 25% to 49% of transferring tasks.

1 Total assistance – The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

0 Activity does not occur – The subject does not transfer into and out of a tub and is not transferred by a helper. Use of this code should be rare. Code 0 may be used on admission only.
VARIABLE NAME: Functional Independence Measure (FIM) – Mobility (Transfer): Tub, Shower

FUNCTION MODIFIER #1 (cont’d):
Transfers: Tub
COMMENT: There is a separate function modifier that addresses transfers into a shower stall. Score the function modifiers separately. If the patient uses only one mode, record this score in FIM item K. If the patient transfers into the tub and shower, record the lower score.

FUNCTION MODIFIER #2:
Transfers: Shower
DESCRIPTION: Includes getting into and out of a shower. The subject performs this activity safely. This is the second of two function modifiers.

CODES:
9 Unknown
7 Complete independence –
   If walking: The subject approaches a shower stall, and gets into and out of it. The subject performs this activity safely.
   If in a wheelchair: The subject approaches a shower stall, locks brakes, lifts foot rests, removes arm rests if necessary, and does either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.
6 Modified independence – The subject requires an adaptive or assistive device (including prosthesis or orthosis) such as a sliding board, a lift, grab bars, or special seat; takes more than a reasonable amount of time to complete the activity or there are safety considerations.
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).
4 Minimal contact assistance – The subject performs 75% or more of transferring tasks.
3 Moderate assistance – The subject requires no more than touching and performs 50% to 74% of transferring tasks.
2 Maximal assistance – The subject requires more help than touching or performs 25% to 49% of transferring tasks.
1 Total assistance – The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.
0 Activity does not occur – The subject does not transfer into and out of a shower and is not transferred by a helper. Use of this code should be rare. Code 0 may be used on admission only.
FORM I: 30K. FIM-Mobility (Transfers)-Tub, Shower

VARIABLE NAME: Functional Independence Measure (FIM) – Mobility (Transfer): Tub, Shower

FUNCTION MODIFIER #2 (cont’d):

Transfers: Shower

COMMENT: There is a separate function modifier that addresses transfers into a tub. Score the function modifiers separately. If the patient uses only one mode, record this score in FIM item K. If the patient transfers into the tub and shower, record the lower score.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID: 278</td>
<td>293</td>
</tr>
<tr>
<td>8-Character Description: AFMTShRb</td>
<td>AFMTShDs</td>
</tr>
</tbody>
</table>

NSCISC: 10/2011 142
FORM I: 30L. FIM-Locomotion-Walking or Wheelchair

(Page 1 of 3)

VARIABLE NAME: Functional Independence Measure (FIM) – Locomotion: Walking or Wheelchair

DESCRIPTION: Locomotion: Walking or Wheelchair consists of two function modifiers (Locomotion: Walk and Locomotion: Wheelchair). The score that matches the type of locomotion is recorded in this FIM item. If both modes are performed equally, and the scores for each mode are not equal, the lower (more dependent) score is recorded in this FIM item. If the subject changes the mode of locomotion between admission and discharge (usually from wheelchair to walking), record the admission mode and scores based on the more frequent mode of locomotion at discharge.

FUNCTION MODIFIER #1:

Locomotion: Walk

DESCRIPTION: Includes walking on a level surface once in a standing position. The subject performs this activity safely. This is the first of two locomotion function modifiers.

CODES:

9 Unknown

NO HELPER

7 Complete independence – The subject walks a minimum of 150 feet (50 meters) without assistive devices. The subject performs this activity safely.

6 Modified independence – The subject walks a minimum of 150 feet (50 meters) but uses a brace (orthosis) or prosthesis on leg, special adaptive shoes, cane, crutches, or walkerette; or takes more than a reasonable amount of time to complete the activity; or there are safety considerations.

5 Exception (household locomotion) – The subject walks only short distances (a minimum of 50 feet or 17 meters) independently with or without a device. The activity takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision – The subject requires standby supervision, cueing or coaxing to go a minimum of 150 feet (50 meters).

4 Minimal contact assistance – The subject performs 75% or more of walking effort to go a minimum of 150 feet (50 meters).

3 Moderate assistance – The subject performs 50% to 74% of walking effort to go a minimum of 150 feet (50 meters).

2 Maximal assistance – The subject performs 25% to 49% of walking effort to go a minimum of 50 feet (17 meters) and requires assistance of one person only.

1 Total assistance – The subject performs less than 25% of effort, or requires the assistance of two people, or walks less than 50 feet (17 meters).

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not walk. For example, use 0 if the subject uses only a wheelchair for locomotion or the subject is on bed rest.
VARIABLE NAME: Functional Independence Measure (FIM) – Locomotion: Walking or Wheelchair

FUNCTION MODIFIER #1 (cont’d):

Locomotion: Walk

COMMENTS: If the patient requires an assistive device for locomotion (prosthesis, walker, cane, AFO, adaptive shoe, etc.), then the Locomotion: Walk score can never be higher than level 6.

There are two locomotion function modifiers. Score both function modifiers on admission and discharge. FIM item Mode of Locomotion (Walk or Wheelchair) must be the same on admission and discharge. Indicate the most frequent mode of locomotion (Walk or Wheelchair) in FIM item LM. If both are used about equally, code “Both”.

FUNCTION MODIFIER #2:

Locomotion: Wheelchair

DESCRIPTION: Includes using a wheelchair on a level surface once in a seated position. The subject performs this activity safely. This is the second of two locomotion function modifiers. If the subject changes the mode of locomotion between admission and discharge (usually from wheelchair to walking), record the admission mode and scores based on the more frequent mode of locomotion at discharge.

CODES:

9 Unknown

NO HELPER

7 This score is not to be used if the patient uses a wheelchair for locomotion.

6 Modified independence – The subject operates a manual or motorized wheelchair independently for a minimum of 150 feet (50 meters); turns around; maneuvers the chair to a table, bed, toilet; negotiates at least a 3 percent grade; and maneuvers on rugs and over door sills.

5 Exception (household locomotion) – The subject operates a manual or motorized wheelchair independently only short distances (a minimum of 50 feet of 17 meters).

HELPER

5 Supervision – The subject requires standby supervision, cueing or coaxing to go a minimum of 150 feet (50 meters) in a wheelchair.

4 Minimal contact assistance – The subject performs 75% or more of locomotion effort to go a minimum of 150 feet (50 meters).

3 Moderate assistance – The subject performs 50% to 74% of locomotion effort to go a minimum of 150 feet (50 meters).

2 Maximal assistance – The subject performs 25% to 49% of locomotion effort to go a minimum of 50 feet (17 meters) and requires the assistance of one person only.

1 Total assistance – The subject performs less than 25% of effort, or requires assistance of two people, or wheels less than 50 feet (17 meters).

0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not use a wheelchair, and is not pushed in a wheelchair by a helper.
VARIABLE NAME: Functional Independence Measure (FIM) – Locomotion: Walking or Wheelchair

FUNCTION MODIFIER #2 (cont’d):

**Locomotion: Wheelchair**

COMMENTS: There are two locomotion function modifiers. Score both function modifiers on admission and discharge. FIM item *Mode of Locomotion (Walk or Wheelchair)* must be the same on admission and discharge. Indicate the most frequent mode of locomotion (Walk or Wheelchair) in FIM item LM. If both are used about equally, code “Both”.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th></th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID:</td>
<td>279</td>
<td>294</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>AFLWWcRb</td>
<td>AFLWWcDs</td>
</tr>
</tbody>
</table>
FORM I: 30LM. FIM-Locomotion-Mode (Walking and/or Wheelchair)

VARIABLE NAME: Functional Independence Measure (FIM) – Locomotion: Mode (Walking and/or Wheelchair)

DESCRIPTION: This variable documents the more frequent mode of locomotion (for the level recorded in FIM item L). If the subject changes the mode of locomotion between admission and discharge (usually from wheelchair to walking), record the admission mode and scores based on the more frequent mode of locomotion at discharge.

CHARACTERS: 1 for each entry

CODES:  
0 Walking  
1 Wheelchair  
2 Both walking and wheelchair (use only if both are used about equally often)  
9 Unknown

COMMENTS: FIM item Mode of Locomotion (Walk or Wheelchair) must be the same on admission and discharge. Indicate the most frequent mode of locomotion (Walk or Wheelchair). If both are used about equally, code “Both”.

QC: If variable Locomotion: Walking and Wheelchair = “9” (Unknown), this variable must = “9” (Unknown).

Variable Aliases: For Data Analysis Only  
Admit Variable ID: 280  
Discharge 295  
8-Character Description: AFLModRb AFLModDs
VARIABLE NAME: Functional Independence Measure (FIM) – Locomotion: Stairs

DESCRIPTION: Includes going up and down 12 to 14 stairs (one flight) indoors in a safe manner.

CHARACTERS: 1 for each entry

CODES:
9 Unknown

NO HELPER
7 Complete independence – The subject safely goes up and down at least one flight of stairs without depending on any type of handrail or support.
6 Modified independence – The subject goes up and down at least one flight of stairs but requires a side support, handrail, cane, or portable supports; or the activity takes more than a reasonable amount of time; or there are safety considerations.
5 Exception (household ambulation) – The subject goes up and down 4 to 6 stairs independently, with or without a device. The activity takes more than a reasonable amount of time, or there are safety considerations.

HELPER
5 Supervision – The subject requires supervision (e.g., standing by, cueing or coaxing) to go up and down one flight of stairs.
4 Minimal contact assistance – The subject performs 75% or more of effort to go up and down one flight of stairs.
3 Moderate assistance – The subject performs 50% to 74% of the effort to go up and down one flight of stairs.
2 Maximal assistance – The subject performs 25% to 49% of the effort to go up and down 4 to 6 stairs, and requires the assistance of one person only.
1 Total assistance – The subject performs less than 25% of the effort; or requires the assistance of two people; or goes up and down fewer than 4 stairs; or the subject cannot perform the task due to physical or cognitive limitations and a helper carries the subject up or down stairs.
0 Activity does not occur – Enter code 0 only for the admission assessment (use code 1 at discharge). The subject does not go up or down stairs, and a helper does not carry the subject up or down stairs. Use of this code should be rare.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>281</td>
<td></td>
<td>296</td>
</tr>
</tbody>
</table>

8-Character Description: AFLStrRb AFLStrDs
**FORM I: 30T. FIM-Total Motor Score**

**VARIABLE NAME:** Functional Independence Measure (FIM) – Total Motor Score

**DESCRIPTION:** This variable documents the total of the levels in FIM items A through M. This variable is calculated by the NSCISC.

**CHARACTERS:** 2 for each entry

**CODES:** 13 – 91 **Valid Range**

99 **Unknown**

**COMMENTS:** Each of the 13 motor items comprising the FIM has a maximum level score of 7. Use code 0 for the Self Care, Transfers and Locomotion items during the admission assessment only. At discharge, all items have a minimum score of 1.

The highest total score is 91 and the lowest total score is 13 (0s are calculated as 1 in the Total score).

Code “99” must be used when 1 or more items are coded “9” (Unknown).

The score for Locomotion Mode: Walking and/or Wheelchair is not included in this total.

**SOFTWARE:** The software calculates this variable. For calculation purposes only, zeros are converted to 1.

**QC:** If the score in any item of the FIM items A through M = “9” (Unknown), this variable (T) must = “99” (Unknown).

If the subject’s current age is less than 6, then all FIM items must = “9” and the Total FIM score must = “99”.

**Variable Aliases:** For Data Analysis Only

<table>
<thead>
<tr>
<th></th>
<th>Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID</td>
<td>282</td>
<td>297</td>
</tr>
<tr>
<td>8-Character Description</td>
<td>AFScorRb</td>
<td>AFScorDs</td>
</tr>
</tbody>
</table>
**VARIABLE NAME:** Neurological Exam Date Modifier  

**DESCRIPTION:** The data in this variable are used to define the date(s) of the neurological exam performed at:

1) **medical/surgical care examination** *(for day-1 admissions only)*  
2) **admission to System inpatient rehab** *(for patients with rehab admit)*  
3) **discharge** *(for all patients)*  

Identifies the *Date of the Neurological Exam* as an actual date, unknown date, or not applicable.

**CHARACTERS:** 1 per entry

**CODES:**

<table>
<thead>
<tr>
<th>Medical/Surgical Care Exam <em>(day-1 admissions only)</em></th>
<th>Admit to Rehab and System Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Date completely known</td>
<td>1 Date completely known</td>
</tr>
<tr>
<td>8 Not Applicable, Not Done</td>
<td>8 Not Done</td>
</tr>
<tr>
<td>9 Unknown</td>
<td>9 Unknown</td>
</tr>
<tr>
<td>Blank <em>(Non Day-1 Admission only)</em></td>
<td></td>
</tr>
</tbody>
</table>

**COMMENTS:** Because the *Neuro Exam Dates* do not allow for partial dates (i.e. unknown month, day, or year), there is not a code for *Neuro Exam Date Modifier* that indicates the existence of partial dates.

Use the unknown code (9) when it is not known whether there was a neurologic exam or if there was an exam but the date is unknown. If parts of the exam are done on different days, this variable should be coded based on the date on which most parts of the exam was completed.

**When the patient is not fully testable:** When a key sensory point or key muscle is not testable for any reason, the examiner should record “Not Testable” (Code 8). In such cases, sensory and motor scores for the affected side of the body, as well as total sensory and motor scores, cannot be generated with respect to the injury at that point in treatment. Further, when associated injuries (e.g., traumatic brain injury, brachial plexus injury, limb fracture, etc.) interfere with the completion of the neurological examination, the neurological level should still be determined as accurately as possible. However, obtaining the sensory/motor scores and impairment grades should be deferred to later examinations.

**REVISIONS:** May 2009: Began collection of non Day-1 Admit to Rehab data.

October 2006: This variable was added to the database. Data are required for all patients with *System Admission* dates on or after 10/01/2006.

**QC:** If *Number of Days from Injury to System Admit* is greater than 001, the *Initial System Neuro Exam Date Modifier* MUST = Blank.
FORM I: 31. Neuro Exam Date Modifier
(page 2 of 2)

VARIABLE NAME: Neurological Exam Date Modifier

QC (cont’d): If Number of Days from Injury to System Admit is greater than 001, the Admit to Rehab Neuro Exam Date Modifier MUST = Blank.

When coding this variable ‘8. Not done’ (at either Initial System Exam, Admit to Rehab or at Discharge), be certain to code the associated variables that follow with the appropriate unknown code. (see Example 3).

EXAMPLE 1: A patient is injured and initially treated at a non-System facility. On June 6, 1996, the patient is admitted to your System for rehab and neuro exam is administered. On June 15, 1996, the neurologic examination is given and the patient is discharged to home.

<table>
<thead>
<tr>
<th>Admit to</th>
<th>Med/Surg Exam</th>
<th>System Inpatient Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuro Exam Date Modifier</td>
<td>..................</td>
<td>........................</td>
<td>1</td>
</tr>
<tr>
<td>Date Neurologic Exam</td>
<td>_ / _ / _ _ _ _ _ _ _ _ _ _</td>
<td>06/06/1996</td>
<td>06/15/1996</td>
</tr>
</tbody>
</table>

EXAMPLE 2: A patient was injured and admitted to a System Med/Surg care unit on August 13, 1998. On the following day, the patient is evaluated, and the neurologic exam is administered. A week later the neurologic exam was administered when the patient was admitted to a System rehab facility, date is unknown. On September 2, 1998, the neurologic exam was given, and on the following day the patient was discharged from the rehab facility.

<table>
<thead>
<tr>
<th>Admit to</th>
<th>Med/Surg Exam</th>
<th>System Inpatient Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuro Exam Date Modifier</td>
<td>..................</td>
<td>........................</td>
<td>1</td>
</tr>
<tr>
<td>Date Neurologic Exam</td>
<td>08/14/1998</td>
<td>_ / _ / _ _ _ _ _ _ _ _ _ _ _ _</td>
<td>09/02/1998</td>
</tr>
</tbody>
</table>

EXAMPLE 3: Patient is a day-1 admit, however, because of other associated injuries the Neurologic exam was unable to be performed.

Initial System Exam
(day’s only)

| Neuro Exam Date Modifier | ................................ | 8 |
| Date Neurologic Exam | _ / _ / _ _ _ _ _ _ _ _ _ _ | mm | dd | yyyy |
| Category of Neurologic Impairment | ................................ | 9 |
| ASIA Impairment Scale | U |
| Any Anal Sensation | ................................ | 9 |
| Any Voluntary Anal Sphincter Contraction | ................................ | 9 |
| Sensory Level | X99r | X99l |
| Motor Level | X99r | X99l |
| Level Preserved Neurologic Function | X99R | X99L |

Remember: This coding scheme applies for either Initial System Admit, Admit to Rehab OR Discharge from the System.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Med/Surg</th>
<th>Admit to Rehab</th>
<th>Discharge</th>
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<tr>
<td>Variable ID:</td>
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<tr>
<td>8-Character Description:</td>
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<td>ANEDtRbM</td>
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</table>

NSCISC: 10/2011 150
FORM I: 32. Date of Neuro Exam
(Page 1 of 2)

VARIABLE NAME: Dates of the Neurologic Examinations

DESCRIPTION: These variables document the dates on which the neurologic examinations were performed at:

1) medical/surgical care examination (for day-1 admissions only)
2) admission to System inpatient rehab
3) at discharge (for all patients)

NSCISC suggests the initial system exams be performed within 72 hours of ‘Day-1’ system admissions. Entering exams performed after 72 hours is also encouraged if neuro exam is not done within 72 hours, or if more complete/reliable data is recovered. Rehab admission exams should be performed within 72 hours of admission. Discharge exams should be performed preferably at discharge, otherwise within 7 days of discharge.

CHARACTERS: 10 for each entry

FORMAT: mm/dd/yyyy

CODES: Any valid date
Blank

COMMENTS: The neurologic exam consists of the items documented in the Motor Index Scores through Category of Neurologic Impairment and must be performed by a physician or a designated person who has been trained using the guidelines in the latest version of the International Standards for Neurological Classification of Spinal Cord Injury, published by the American Spinal Injury Association (ASIA).

QC: If the Neuro Exam Date Modifier-Admit = “8”, then, Date of the Neuro Exam-Admit = ‘Blank’ and ‘Motor Scores’ through ‘Category of Neurologic Impairment-Rehab’ should = Unknown.
If the Neuro Exam Date Modifier-Rehab = “8”, then, Date of the Neuro Exam-Rehab = ‘Blank’ and ‘Motor Scores’ through ‘Category of Neurologic Impairment-Rehab’ should = Unknown.
If the Neuro Exam Date Modifier-Discharge = “8”, then, Date of the Neuro Exam-Discharge = ‘Blank’ and ‘Motor Scores’ through ‘Category of Neurologic Impairment-Rehab’ should = Unknown.

REVISIONS: August 2014: Clarify neurologic exam time frame for rehab admission (within 72 hours of admission) and discharge (within 7 days of discharge).
May 2009: Began collection of non Day-1 Admit to Rehab data.
October 2006: The Neuro Exam Date Modifier was added to the database in order to allow valid date formats in the Date of Neuro Exam therefore alleviating the need of codes 88888888 and 99999999 in the date fields.
FORM I: 32. Date of Neuro Exam
(Page 2 of 2)

VARIABLE NAME: Dates of the Neurologic Examinations

REVISION: January 2005: Code 88888888 may be used if the Neuro Exam was Not Done. It may also be used for Not applicable, not admitted to inpatient rehab only for patients who expire, or achieve complete recovery or minimal deficit status during System Med/Surg care.

October 2000: date at rehab admission was added. Neuro exam items at rehab admission (except ASIA Motor Index Score) were also added. Data are required for patients admitted to the System after 10/31/2000.

November 1995: dates at system admission and discharge were added to the database and data was required of patients who are admitted to the system on or after December 1, 1995.

Variable Aliases: For Data Analysis Only

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<tr>
<th>Variable ID</th>
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<td>ANEDatAd</td>
<td>ANEDatRh</td>
<td>ANEDatDs</td>
</tr>
</tbody>
</table>
VARIABLE NAME: ASIA Motor Index Score

DESCRIPTION: This variable documents the function of 10 paired myotomes (C5-T1 and L2-S1) (1) the individual scores for each key muscle, (2) the subtotal scores for the right and left sides and (3) the total ASIA Motor Index Scores:
1) at medical/surgical care examination (for day-1 admissions only)
2) within 1 week of admit to inpatient rehabilitation (for rehab admit patients only)
3) at discharge (for all patients)
This motor index score provides a numerical scoring system to document changes in motor function.

CHARACTERS: 1 for each key muscle, Right and Left
2 for each Subtotal, Right and Left
3 for each Total

CODES:  

Each Key Muscle
0-5 Valid range
8 Not Testable, unable to test; infants; amputee; cast
9 Unknown, Not Done
9 No System rehab admission (for Rehab admit position only)
Blank Allowed in Med/Surg admit position only for Non Day 1s.

Subtotals - Right and Left 0 – 50 Valid range
88 Not Testable, unable to test; infants; amputee; cast
99 Unknown/Not Done
99 No System rehab admission (for Rehab admit position only)
Blank Allowed in Med/Surg admit position only for Non Day 1s.

Total 0 – 100 Valid range
888 Not Testable, unable to test; infants; amputee; cast
999 Unknown/Not Done
999 No System rehab admission (for Rehab admit position only)
Blank Allowed in Med/Surg admit position only for Non Day 1s.

COMMENTS: The strength of each key muscle is graded on a 6 point scale according to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011.
0 total paralysis
1 palpable or visible contraction
2 active movement, full Range of Motion (ROM) with gravity eliminated
3 active movement, full ROM against gravity
4 active movement, full ROM against moderate resistance
5 (normal) active movement, full ROM against full resistance
5* (normal) active movement, full ROM against sufficient resistance to be considered normal if identified inhibiting factors were not present
NT (8) Not testable due to immobilization, severe pain such that the patient cannot be graded, amputation of limb, or contracture of >50% of ROM.
FORM I: 33. ASIA Motor Index
(Page 2 of 4)

VARIABLE NAME: ASIA Motor Index Score

COMMENTS: Minus grades are to be coded as the next lower grade. For example, a grade of 3- should be coded 2; 2- should be coded 1, and, 1- should be coded 0. Plus grades should be ignored. For example, a grade of 3+ should be coded 3, 2+ should be coded 2, etc.

A normal exam is a score of 5 for each key muscle, Subtotals on the left and right of 50, and, a total score of 100.

Key Muscles for Motor Level Classification – The required portion of the motor examination is completed through the testing of the following key muscles (bilaterally):

C5 Elbow flexors (biceps, brachialis)
C6 Wrist extensors (extensor carpi radialis longus and brevis)
C7 Elbow extensors (triceps)
C8 Finger flexors – (flexor digitorum profundus) to the middle finger
T1 Small finger abductors (abductor digiti minimi)
L2 Hip flexors (iliopsoas)
L3 Knee extensors (quadiceps)
L4 Ankle dorsiflexors (tibialis anterior)
L5 Long toe extensors (extensor hallucis longus)
S1 Ankle plantarflexors (gastrocnemius, soleus)

COMMENTS: See Neurologic Exam Date Modifier-Comments for guidelines to administering the neurological exam when the patient is not fully testable. When the patient is an infant, the ASIA Motor Index score should be coded Unable to Test (888).

Each key muscle should be examined in a rostral-caudal sequence.

Motor Index scores are documented by the attending physician or the physician’s designee. All the key muscles identified for the ASIA Motor Index Score must be tested to provide a valid left, right and total score.

REVISIONS: May 2009: Began collection of non Day-1 Admit to Rehab data.

January 2005: For Form Is newly entered (i.e., with Indates after 03/31/2005) Code 9, ‘No System Rehab Admission’ is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surgical care.

August 1993: The individual muscle scores were added to Med/Surg and Discharge; all items were added for the inpatient rehabilitation phase.

October 1986: Med/Surgical and Discharge Subtotals and Totals were added to the database.

VARIABLE NAME: ASIA Motor Index Score

QC: See ‘Category of Neurologic Impairment’ for coding instructions for patients with normal neurologic or minimal deficit status.

See Policy for coding instructions when the Neuro Exam is not done or when there is no admission to System inpatient rehab.

EXAMPLE 1: Each muscle score is known; and the Subtotal on the right side is 37, the Subtotal on the left side is 45, and the Total score is 82.

Each muscle has a score from “0” to “5”.

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EXAMPLE 2: The left side cannot be tested completely because the patient’s hand is in a cast. All muscles on the right side were tested and the Total score for the right side is 32.

Each muscle on the left side (that was not tested) is coded “8”; tested muscles on the left and each muscle on the right have a score from “0” to “5”.

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EXAMPLE 3: Only the Total score (82) is known. All muscles are coded 9.

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EXAMPLE 4: The Left Subtotal is unknown (because 2 muscles are coded “9”) and, the right side was not testable (all muscles on the right are coded “8”).

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VARIABLE NAME: ASIA Sensory Score

DESCRIPTION: These variables document sensation at a key point in each of the 28 dermatomes (from C2-S4/5) on the right and left sides of the body. At each of the key points, two aspects of sensation are examined: sensitivity to light touch (LT) and to pin prick (PP).

Sensory scores for light touch and pin prick at each of the key points are recorded at (1) Each Dermatome - the individual scores for each of the 28 key sensory dermatomes, (2) Subtotals of dermatome scores on the right and left for LT and PP, and (3) Totals of the Subtotal scores for LT and PP. Subtotals and Totals are calculated by NSCISC software.

Sensory scores are recorded at two time points:

1) within 1 week of admission to the inpatient rehabilitation
2) at discharge

CHARACTERS: 1 for each key dermatome, Right and Left and LT and PP
2 for each Subtotal, Right and Left for LT and PP
3 for each Total LT and PP

CODES:

Each Dermatome 0-2 Valid range
8 Not Testable, unable to test; infants; cast; amputee
9 Unknown, Not Done
9 No System rehab admission (for Rehab admit position only)

Subtotal-Right and Left LT and PP 0-56 Valid range
88 Not Testable, unable to test; infants; cast; amputee
99 Unknown, Not Done
99 No System rehab admission (for Rehab admit position only)

Total - LT and PP 0-112 Valid range
888 Not Testable, unable to test; infants; cast; amputee
999 Unknown, Not Done
999 No System rehab admission (for Rehab admit position only).

COMMENTS: These variables are documented by the attending physician or the physician's designee trained in accordance with the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011.

0 absent
1 impaired (partial or altered)
2 normal
NT (8) not testable

‘No System Rehab Admission’ is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surgical care.

See Policy for coding instructions when the Neuro Exam is not done.

REVISIONS: October 2011: These variables were added to the database and are required for all patients with System Admission dates on or after 10/01/2011. These variables will be populated with ‘Unknown’ for records entered prior to October 1, 2011.
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<td>APP3S3LR</td>
</tr>
<tr>
<td>S4-5</td>
<td>1438</td>
<td>1467</td>
<td>1497</td>
<td>1526</td>
</tr>
<tr>
<td></td>
<td>ALT4S4RR</td>
<td>ALT4S4LR</td>
<td>APP4S4RR</td>
<td>APP4S4LR</td>
</tr>
<tr>
<td></td>
<td>1439</td>
<td>1468</td>
<td>1498</td>
<td>1527</td>
</tr>
<tr>
<td></td>
<td>ALTSubRR</td>
<td>ALTSubLR</td>
<td>APPSubRR</td>
<td>APPSubLR</td>
</tr>
<tr>
<td>Subtotal*</td>
<td>1469</td>
<td>ALTTotRh</td>
<td>Total PP*</td>
<td>1528</td>
</tr>
<tr>
<td>Total LT*</td>
<td>1469</td>
<td>ALTTotRh</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FORM I: 35. Sensory Level

VARIABLE NAME: Sensory Level

DESCRIPTION: The sensory level (which may differ by side of body) is the most caudal segment of the spinal cord with normal sensory function for pinprick and light touch on both sides of the body. Right and left levels are documented

1) at medical/surgical care examination (for day-1 admissions only)
2) at admission to inpatient rehab (for patients with rehab admits)
3) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES:
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- X99 No System rehab admission (Rehab Admit position Only)
- Blank Allowed in Med/Surg admit position only for Non Day 1s.

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 on Form I if the level is completely unknown, the exam was not done, or there was no admission to System inpatient rehab.

If sensation is intact on one side for light touch and pinprick at all dermatomes C02 through S4-5, the sensory level for that side should be coded “X00” (INT).

SOURCE: Refer to The International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011, for complete information on the sensory examination and a listing of all key points.

REVISIONS:
- May 2009: Began collection of non Day-1 Admit to Rehab data.
- January 2005: For Form Is with Indates after 03/31/2005, code X99 “No System Rehab Admission” is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surgical care.
- October 2000: Data collection at rehab admission was added. Form I data are required for patients admitted to the System after 10/31/2000.
- August 1993: Data in the System Med/Surg care admit and System discharge variables are required of patients who are admitted to the system on or after 8/15/1993.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Right Variable ID</th>
<th>Left Variable ID</th>
<th>8-Character Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med/Surg Admit</td>
<td>233</td>
<td>ASLAdmRt</td>
<td>232</td>
</tr>
<tr>
<td>Admit to Rehab</td>
<td>236</td>
<td>ASLRhbRt</td>
<td>235</td>
</tr>
<tr>
<td>Discharge</td>
<td>239</td>
<td>ASLDisRt</td>
<td>238</td>
</tr>
</tbody>
</table>

NSCISC: 10/2013
VARIABLE NAME: Motor Level

DESCRIPTION: The motor level is defined by the lowest key muscle that has a grade of at least 3, provided the key muscles represented by segments above that level are judged to be normal (5). Right and left levels are documented and may be different bilaterally.

1) at medical/surgical care unit examination (for day-1 admissions only)
2) at admission to inpatient rehab (for patients with rehab admits only)
3) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES: 
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral

S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- X99 No System rehab admission (Rehab Admit Only)
- Blank Med/Surg admit position only for Non Day 1s.

COMMENTS: The examiner’s judgment is relied upon to determine whether a muscle that tests as less than normal (5) may in fact be fully innervated. This may occur when full effort from the patient is inhibited by factors such as pain, positioning and hypertonicity or when weakness is judged to be due to disuse. If any of these or other factors impeded standardized muscle testing, the muscle should be graded as not testable. However, if these factors do not prevent the patient from performing a forceful contraction and the examiner’s best judgment is that the muscle would test normally (5) were it not for these factors; it may be graded 5.

For those myotomes that are not clinically testable by a manual muscle exam (i.e., C1-C4, T2-L1 and S2-S5), the motor level is presumed to be the same as the sensory level if testable motor function above (rostral) that level is normal as well.

If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 if the level is completely unknown, the exam was not done or there was no admission to System inpatient rehab.

SOURCE: See the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for complete information on the motor examination and a listing of all key muscles.
FORM I: 36. Motor Level
(page 2 of 2)

VARIABLE NAME: Motor Level

REVISIONS:
- May 2009: Began collection of non Day-1 Admit to Rehab data.
- January 2005: For Form I is newly entered (i.e., with Indates after 03/31/2005), code X99, “No System Rehab Admission” is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surg care.
- October 2000: Data collection at rehab admission was added. Form I data are required for patients admitted to the System after 10/31/2000.
- August 1993: System Med/Surgical care and System discharge variables are required of patients who are admitted to the system on or after 8/15/1993.

QC:
- See Policy for coding instructions for patients with “normal neurologic” or “minimal deficit” status.
- See Policy for coding instructions when the Neuro Exam is not done.

<table>
<thead>
<tr>
<th>Variable Aliases: For Data Analysis Only</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Right</strong></td>
</tr>
<tr>
<td>Variable ID</td>
</tr>
<tr>
<td>Med/Surg Admit</td>
</tr>
<tr>
<td>Admit to Rehab</td>
</tr>
<tr>
<td>Discharge</td>
</tr>
</tbody>
</table>
FORM I: 37. Preserved Neuro Function

VARIABLE NAME: Level of Preserved Neurologic Function on each side

DESCRIPTION: The neurological level of preservation (injury) is the most caudal segment of the spinal cord with normal sensory and motor function on both sides of the body. Right and left levels are documented.

1) **at medical/surgical care unit examination** (for day-1 admissions only)
2) **at admission to rehab** (for all patients admitted to rehab)
3) **at discharge** (for all patients)

CHARACTERS: 3 for each entry

CODES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C01-C08</td>
<td>Cervical</td>
</tr>
<tr>
<td>T01-T12</td>
<td>Thoracic</td>
</tr>
<tr>
<td>L01-L05</td>
<td>Lumbar</td>
</tr>
<tr>
<td>S01-S03</td>
<td>Sacral</td>
</tr>
<tr>
<td>S04, S05, S45</td>
<td>Not valid after August 2013</td>
</tr>
<tr>
<td>X00</td>
<td>Normal neurologic (INT)</td>
</tr>
<tr>
<td>X99</td>
<td>Unknown/Not Done</td>
</tr>
<tr>
<td>X99</td>
<td>No System rehab admission (Rehab Admit Only)</td>
</tr>
<tr>
<td>Blank</td>
<td>Med/Surg admit position only for Non Day 1 Is.</td>
</tr>
</tbody>
</table>

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 on Form I if the level is completely unknown, the exam was not done, or there was no admission to System inpatient rehab.

If this variable = “X00” (Normal), bilaterally, at system admission, the patient is ineligible for the National SCI Database.

SOURCE: Refer to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for additional information.

REVISIONS: May 2009: Began collection of non Day-1 Admit to Rehab data.

January 2005: For Form Is newly entered (i.e., with Indates after 03/31/2005), code X99 “No System Rehab Admission” is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surg care.

October 2000: Data collection at rehab admission was added. Form I data are required for patients admitted to the System after 10/31/2000.

QC:

If this variable = “C”, then Neurologic Impairment must be coded “4”, “5”, “6” or “9”.

If this variable = “T”, “L”, or “S”, then Neurologic Impairment must be coded “1”, “2”, “3” or “9”.

The level in this variable must be equal to the motor level and/or the sensory level AND neither the motor level nor the sensory level can be higher than the level in this variable.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>8-Character Description</th>
<th>Variable ID</th>
<th>8-Character Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med/Surg</td>
<td>APNFAdmR</td>
<td>Admit to Rehab</td>
<td>APNFRhbR</td>
</tr>
<tr>
<td>Discharge</td>
<td>APNFDisR</td>
<td></td>
<td>APNFDisL</td>
</tr>
</tbody>
</table>
FORM I: 38. Neurologic Level of Injury

VARIABLE NAME: Neurologic Level of Injury, Preserved Neuro Right & Left Combined

DESCRIPTION: The most caudal segment of the spinal cord with normal sensory and antigravity motor function on both sides of the body, provided there is normal (intact) sensory and motor function rostrally. This variable is created by comparing the Right and Left Preserved Neuro Level variables and returning the anatomically higher of the two variables. This variable is calculated by the NSCISC and is for data analysis purposes.

1) at medical/surgical care unit examination (for day-1 admissions only)
2) at admission to inpatient rehab (for all patients admitted to rehab)
3) at discharge (for all patients)

CHARACTERS: 3 for each entry

CODES:
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- X99 No System rehab admission
- Blank (at Initial System Exam if Non day-1 admit)

COMMENTS: This variable is generated by the software. It is created by comparing the Right and Left Level of Preserved Neurologic Function variables and reports the anatomically higher neurologic level.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Varialbe ID</th>
<th>Med/Surg</th>
<th>Rehab Admit</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1408</td>
<td>1409</td>
<td>1410</td>
<td></td>
</tr>
</tbody>
</table>

8-Character Description: ANurLvlA ANurLvlR ANurLvlD
VARIABLE NAME: Any Anal Sensation

DESCRIPTION: This variable documents whether or not the patient has any sensation in the anal region during the neurologic exam given at the following intervals:

1) at medical/surgical care unit examination (for day-1 admissions only)

2) at admission to inpatient rehab (for all patients admitted to rehab)

3) at discharge (for all patients)

CHARACTERS: 1 for each entry

CODES: 0 No

1 Yes

8 Not Applicable, unable to test, infants

9 Unknown, Not Done

9 No System rehab admission (Rehab Admit Only)

Blank (at initial Med/Surg admit for non day-1s only)

COMMENTS: Use of code 9 “No System rehab admission” is valid 1) if the patient expires during Med/Surgical care or 2) if the patient recovers or achieves minimal deficit status during Med/Surgical care.

REVISIONS: May 2009: Began collection of non Day-1 Admit to Rehab data.

October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Med/Surg</th>
<th>Admit to Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>234</td>
<td>AAnSnAdm</td>
<td>AAnSnRhb</td>
<td>AAnSnDis</td>
</tr>
</tbody>
</table>
FORM I: 40. Voluntary Anal Sphincter Contraction

VARIABLE NAME: Any voluntary anal sphincter contraction

DESCRIPTION: This variable documents whether or not the patient is able to contract the anal sphincter voluntarily during the neurologic exam at the following intervals:

1) at medical/surgical care unit examination (for day-1 admissions only)
2) at admission to inpatient rehab (for all patients admitted to rehab)
3) at discharge (for all patients)

CHARACTERS: 1 for each entry

CODES:
0  No
1  Yes
8  Not Applicable, unable to test; infants
9  Unknown, Not done
9  No System rehab admission (Rehab Admit Only)

Blank (initial Med/Surg admit for non day-1s only)

COMMENTS: Use of code 9 “No System rehab admission” is valid 1) if the patient expires during Med/Surgical care or 2) if the patient recovers or achieves minimal deficit status during Med/Surgical care.

REVISIONS: May 2009: Began collection of non Day-1 Admit to Rehab data.
October 2006: This variable was added to the database. Data are required for all patients with System Admission dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Med/Surg</th>
<th>Admit to Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable ID:</td>
<td>243</td>
<td>246</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>AvoSphAd</td>
<td>AvoSphRb</td>
</tr>
</tbody>
</table>
FORM I: 41. ASIA Impairment

VARIABLE NAME: ASIA Impairment Scale (modified from Frankel)

DESCRIPTION: This variable attempts to quantify the degree of impairment

1) at medical/surgical care unit examination (for day-1 admissions only)
2) at admission to rehab (for all patients admitted to rehab)
3) at discharge (for all patients)

CHARACTERS: 1 for each entry

CODES:

A Complete Injury.  
No sensory or motor function is preserved in the sacral segments S4-S5 (must also be negative for anal sensation/contraction).

B Incomplete.  
Sensory but not motor function is preserved below the neurological level and includes the sacral segments S4-S5 (or have anal sensation).

C Incomplete.  
Motor function is preserved below the neurological level, and more than half of the key muscles below the neurological level have a muscle grade less than 3 (grades 0-2).

D Incomplete.  
Motor function is preserved below the neurological level, and at least half of key muscles below the neurological level have a muscle grade greater than or equal to 3.

E Normal.  
Sensory and motor functions are normal.

U Unknown/Not Done  
Not admitted to System inpatient Rehab (Rehab Admit Only)

Blank  Allowed in system Med/Surg admit positions only for Non Day 1s.

NOTE: For an individual to receive a grade of C or D, he/she must be incomplete, that is, have sensory or motor function in the sacral segments S4-S5. In addition, the individual must have either (1) voluntary anal sphincter contraction or (2) sparing of motor function more than three levels below the motor level.

COMMENTS: See Policy for guidelines to administering the neurological exam when the patient is not fully testable. See the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011.

REVISIONS: May 2009: Began collection of non Day-1 Admit to Rehab data.

January 2005: For Form Is with Indates after 03/31/2005, Code U, “No System Rehab Admission” is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surg care.
FORM I: 41. ASIA Impairment
(page 2 of 2)

VARIABLE NAME:  ASIA Impairment Scale (modified from Frankel)

REVISIONS (cont’d): October 2000: Data collection at rehab admission was added. Form I data are
August 1993: The Frankel Grading system was changed to the ASIA
Impairment Scale.

CONVERSIONS: August 1993: All records in which the Frankel Grading system was used have numeric codes in this variable. Records in which the ASIA Impairment Scale was used contain alphabetic codes.

The following Frankel Grade codes are provided for analysis purposes only. The numeric Frankel Grade codes are not allowed in records entered into the database after August 1993.

Frankel Grade codes:
1  Incomplete – Preserved Sensation Only (Frankel Grade B): Preservation of any demonstrable, reproducible sensation, excluding phantom sensations. Voluntary motor functions are absent.
2  Incomplete – Preserved Motor – Non-functional (Frankel Grade C): Preservation of voluntary motor function that is minimal and performs no useful purpose. Minimal is defined as preserved voluntary motor ability below the level of injury where the majority of the key muscles tests less than a grade of 3.
3  Incomplete, Preserved Motor – Functional (Frankel Grade D): Preservation of voluntary motor function which is useful functionally. This is defined as preserved voluntary motor ability below the level of injury, where the majority of the key muscles tests at least a grade of 3.
4  Complete Recovery (Frankel Grade E): Complete return of all motor and sensory function, but there may still be abnormal reflexes.
5  Complete (Frankel Grade A): All motor and sensory function is absent below the Zone of Partial Preservation.
6  Unknown

QC: See Policy for coding instructions for patients with normal neurologic or minimal deficit status.


Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Med/Surg</th>
<th>Admit to Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>160</td>
<td>161</td>
<td>162</td>
</tr>
<tr>
<td>8-Character Description</td>
<td>AASAImAd</td>
<td>AASAImRb</td>
<td>AASAImDs</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Category of Neurologic Impairment

DESCRIPTION: This variable documents the degree of neurologic damage present:
1) at initial system examination (for day-1 admissions only)
2) at admission to inpatient rehab
3) at discharge (for all patients)

The neurologic exam must be performed by a physician or a designated person who has been trained using the guidelines in the latest version of the International Standards for Neurological Classification of Spinal Cord Injury.

CHARACTERS: 1 for each entry

CODES:
1 Paraplegia, incomplete
2 Paraplegia, complete
3 Paraplegia, minimal deficit
4 Tetraplegia, incomplete
5 Tetraplegia, complete
6 Tetraplegia, minimal deficit
7 Normal neurologic
8 Normal neurologic, minimal neurologic deficit (code “5” prior to 10/15/87) This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.
9 Unknown, Not Done
   Not admitted to System inpatient rehab
Blank Allowed in Med/Surg admit position only for Non Day 1s.

COMMENTS: Paraplegia is impairment or loss of motor and/or sensory function in the thoracic, lumbar or sacral (but not cervical) segments of the spinal cord secondary to damage of neural elements within the spinal canal. With paraplegia, arm functioning is spared, but, depending on the level of injury, the trunk, legs and pelvic organs may be involved. The term is used in referring to cauda equina and conus medullaris injuries, but not to lumbosacral plexus lesions or injury to peripheral nerves outside the neural canal.

Tetraplegia (preferred to quadriplegia) is impairment or loss of motor and/or sensory function in the cervical segments of the spinal cord due to damage of neural elements within the spinal canal. Tetraplegia results in impairment of function in the arms as well as in the trunk, legs and pelvic organs. It does not include brachial plexus lesions or injury to peripheral nerves outside the neural canal.

Complete injury means an absence of sensory and motor function in the lowest sacral segment (including S04-S05 or anal sensation/contraction).
**FORM I: 42. Category of Neuro Impairment**
(Page 2 of 3)

**VARIABLE NAME:** Category of Neurologic Impairment

**COMMENTS (cont’d):** Incomplete injury means partial preservation of sensory and/or motor function is found below the neurological level and includes the lowest sacral segment. Sacral sensation includes sensation at the anal mucocutaneous junction as well as deep anal sensation. The test of motor function is the presence of voluntary contraction of the external anal sphincter upon digital examination.

Minimal deficit refers to neurologic damage so minimal the patient has no significant or incapacitating loss of function. Reflexes may still be abnormal. Patient’s Motor Score should be 95 or greater, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain). Minimal deficits will still be coded as ASIA D and have a neuro level (not X00). If the patient is coded minimal deficit on Form I, no Form IIs are required. Once a patient is coded minimal deficit on a Form II, further follow-up is allowed but not required.

Normal neurologic status refers to those patients who have no demonstrable muscular weakness or impaired sensation, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain). This subcategory must be included in the database to document those patients who achieve recovery from initial injury. Complete recoveries must be coded X00 and ASIA E, and must have a 100 motor score. If the patient is coded normal on Form I, no Form IIs are required. Once a patient is coded normal on a Form II, no subsequent Form IIs are required.

Monoplegia should be coded “1” (Paraplegia, incomplete).

Triplegia should be coded “4” (Tetraplegia, incomplete).

The sacral area must be checked for this variable.

**SOURCE:** International Standards for Neurological Classification of Spinal Cord Injury, Revised 2002.

**REVISIONS:**

May 2009: Began collection of non Day-1 Admit to Rehab data.

January 2005: For Form Is with Indates after 03/31/2005, the Not applicable, not admitted to inpatient rehab code is allowed only for patients who expire or achieve complete recovery or minimal deficit status during System Med/Surg care.
VARIABLE NAME: Category of Neurologic Impairment

QC: 
If the **Neuro Exam Date Modifier** = 8, then **Category of Neuro Impairment** MUST = 9, Unknown
If **Number of Days from Injury to System Admit** is greater than 001, the **Initial System Category of Neuro Impairment** MUST = Blank.
If this variable = “1” (Paraplegia, incomplete), “2” (Paraplegia, complete), or “3” (Paraplegia, minimal deficit), then the **Level of Preserved Neuro Function** variable should = “T” (Thoracic), “L” (Lumbar), “S” (Sacral) or “X99” (Unknown).
If this variable = “4” (Tetraplegia, incomplete), “5” (Tetraplegia, complete), or “6” (Tetraplegia, minimal deficit), then the **Level of Preserved Neuro Function** variable should = “C” (Cervical) or “X99” (Unknown).
Patients with minimal deficit status must be coded:
- Neuro Impairment = “3” or “6”,
- Level Left and/or Level Right = any code other than “X00” and,
- ASIA Impairment Scale = “3” or “D”.
Patients with normal neurologic status must be coded:
- Neuro Impairment = “7” and,
- ASIA Impairment Scale = “4” or “E” and,
- all muscles in the ASIA Motor Index Score = “5” and,
- all ASIA Motor Index Score Subtotals = “50” and,
- ASIA Motor Index Score Total = “100” and,
- Sensory Level = “X00” and,
- Motor Level = “X00” and,
- Preserved Neuro Function = “X00”

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Med/Surg</th>
<th>Admit to Rehab</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>ANCatAdm</td>
<td>ANCatRhb</td>
<td>ANCatDis</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Hispanic Origin

DESCRIPTION: This variable specifies if the patient is of Hispanic origin. Interviewer asks:

*Do you have a Latino or Hispanic background?*

CHARACTERS: 1

CODES:

0  Not of Hispanic origin
1  Hispanic or Latino origin *(includes Mexican, Cuban, Puerto Rican and other Latin American and Spanish)*
7  Declined/Participant doesn’t know
9  Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. Use patient’s self-reported ethnicity.

According to the 2010 Census, 308.7 million people resided in the United States. There were 50.5 million Hispanics in the United States, composing 16% of the total population. Between 2000 and 2010, the Hispanic population grew by 43%, an increase of 15.2 million. Hispanics reported 75.4% Caucasian (white), 12.6% African American (black), 4.8% Asian, and 0.9% American Indian/Alaskan Native.

Collect from medical chart review only if participant is not available for the interview (deceased, discharged as minimal deficit, ...).

REVISIONS:

October 2011: Code ‘7. Declined’ was added to the database.

November 1995: This variable was added to the database using the Bureau of Census Guidelines.

For Data Analysis Purposes Only:

Variable ID: 136
8-Character Description: AHispnic
VARIABLE NAME:  Racial or Ethnic Group

DESCRIPTION:  This variable specifies the patient’s racial group. Interviewer asks:

*What race are you?* (read categories and stop when race is identified).

CHARACTERS:  1

CODES:  
1  White, Caucasian  
2  Black, African American  
3  American Indian, Alaska Native  
4  Asian, Pacific Islander  
5  Some Other Race, Multiracial  
7  Declined/Participant doesn’t know  
9  Unknown

COMMENTS:  Data are collected by interview. If an interview is not done, data may be collected by medical chart review. Use patient’s self-reported race.

The following Census Bureau guidelines will be used:

- **White or Caucasian** includes people with origins in Europe, Middle East, or North Africa.
- **Black or African American** includes people with origins in any of the black racial groups of Africa.
- **American Indian or Alaska Native** includes people with origins in any of the original peoples of North, Central, or South America and who maintains tribal affiliation or community attachment.
- **Asian or Pacific Islander** includes people with origins in Far East, Southeast Asia or the Indian subcontinent including Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand and Vietnam. Pacific Islander includes people with origins in Hawaii, Guam, Samoa, or other Pacific Islands.
- If the racial group of the patient does not fit into any of the above classifications, document it as “Some Other Race”.

REVISIONS:  October 2011: “Declined” code was added and ‘Multiracial’ was added to the “Some Other” Category.

CONVERSIONS:  When the Hispanic origin variable was added in November 1995 the records in the database were coded “4 – Spanish origin” in this variable were changed to code “9 Unknown”. The code “1, Yes Hispanic origin” was then inserted in these records in the Hispanic origin variable.

Variable Aliases:  For Data Analysis Only

Variable ID:  135
8-Character Description:  ARace
FORM I: 45. English Language Ability

VARIABLE NAME: English Language Ability

DESCRIPTION: This variable documents patient’s self-report of his or her ability to speak and understand English. Interviewer asks:

*How would you rate your ability to speak and understand English?* (Read levels and stop when participant chooses.)

CHARACTERS: 1

CODES:  
1 Very Well  
2 Well  
3 Not Well  
4 Not at all  
5 Speaks English - unknown ability *(conversion code)*  
7 Declined/Participant doesn’t know  
9 Unknown/Interview not done

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected from other firsthand sources (nurse, physician, social worker).

REVISIONS: October 2011: variable was added to Form I and are required for all patients with *System Admission* dates on or after 10/01/2011.

CONVERSION: October 2011: ‘English as Primary Language’ was collected from 1996 to 2011.

<table>
<thead>
<tr>
<th>English as Primary Language</th>
<th>English Language Ability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Code Description</td>
<td>Current Code Description</td>
</tr>
<tr>
<td>0. Patient does not speak English</td>
<td>4. Not at all</td>
</tr>
<tr>
<td>1. Patient’s primary language is English</td>
<td>5. Speaks English - unknown ability</td>
</tr>
<tr>
<td>2. Primary language is not English but, patient speaks and understands sufficient English for the interview</td>
<td>5. Speaks English - unknown ability</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 1396  
8-Character Description: ASpkEngl
FORM I: 46. Marital Status

VARIABLE NAME: Marital Status

DESCRIPTION: This variable specifies the patient’s marital status at the time of the spinal cord injury. Interviewer asks:

At the time of your spinal cord injury, what was your marital status?

CHARACTERS: 1

CODES:
1 Never Married (Single)
2 Married
3 Divorced
4 Separated
5 Widowed
6 Other, unclassified
7 Living with Significant Other, Partner, Unmarried Couple
9 Unknown

COMMENTS: Marital Status is a self-identified variable - use the participant’s response during the interview. If an interview is not done, data may be collected by medical chart review. If the patient’s marital status does not fit into any of the above classifications, document it as “Other, unclassified”.

QC: On a Form II, when a patient = “1” (never married, single), the Form I Marital Status at Injury and all previous Form II Marital Status should be coded “1” (never married - single).

REVISIONS: March 2015: Marital Status will be self-identified, disregard legal status.

October 2011: “Living with Significant Other” code was added.

October 2000: Marital Status at Discharge was deleted.

Variable Aliases: For Data Analysis Only

Variable ID: 145
8-Character Description: AMarStlj
FORM I: 47. Education Level

VARIABLE NAME: Highest Formal Educational Level Completed

DESCRIPTION: This variable specifies the highest level of formal education completed at the time of injury. This is level completed and does not include partial completion. This variable does not include trade or technical schools. Interviewer asks:

What is the highest education level that you have completed?

CHARACTERS: 1

CODES:
1 8th grade or less (includes ages 0 to 5)
2 9th through 11th grade
3 High School Diploma or G.E.D.
4 Associate Degree (A.A. – Junior College Degree)
5 Bachelors Degree
6 Masters Degree
7 Doctorate (Ph.D., M.D., law degrees, etc.)
8 Other, unclassified (3-year nursing degree, special education)
9 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If a person has 2 or more degrees, report the highest degree achieved.

If the patient’s educational level completed does not fit into any of the above classifications, document it as “Other, unclassified.”

The following table shows the education levels in Mexico and how they relate to the United States grades.

<table>
<thead>
<tr>
<th>US Education</th>
<th>Mexico Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st to 6th grade</td>
<td>Primaria (Elementary)</td>
</tr>
<tr>
<td>7th to 9th grade</td>
<td>Secundaria (Middle School)</td>
</tr>
<tr>
<td>10th to 12th grade</td>
<td>Preparatoria (3 years) or Bacherillato (2 or 3 years) (High School)</td>
</tr>
</tbody>
</table>

EXAMPLE: At the time of injury, the patient had a Bachelor of Science degree and was working on a Masters degree in Public Health.

Level of Education.................................................................5

Variable Aliases: For Data Analysis Only

Variable ID: 147
8-Character Description: AEducLvl
VARIABLE NAME: Primary Occupational, Educational or Training Status

DESCRIPTION: This variable specifies the primary occupational, educational or training status of the patient at the time of injury. Since these sub-categories are not mutually exclusive, the primary occupational, educational or training status should be selected on the basis of the injured person’s opinion as to what was primary. Interviewer asks:

At the time of your injury, what was your employment status?

CHARACTERS: 1

CODES:  
1 Working (competitive labor market: includes military (legally employed).
2 Homemaker (must be living with at least one other person)
3 On-the-job training
4 Sheltered workshop
5 Retired
6 Student (includes ages 0 to 5)
7 Unemployed (may or may not be looking for work)
8 Other, unclassified (includes volunteer, medical leave, illegal employment, paid-under-the-table)
9 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If the patient’s primary occupational, educational, or training status does not fit into any of the above classifications, document it as “Other, unclassified”.

QC: If Occupational Status = “1” (working) then, Job Census Code must not = “88” (not applicable, not working).

EXAMPLE 1: At the time of injury, the patient was a college student who worked 30 hours a week as a waitress. The patient considered herself a “student”.
Primary Occupational, Ed or Training Status .................................6
Job Census Code ..............................................................................88

EXAMPLE 2: At the time of injury, the patient was a college student who worked 30 hours a week as a stock clerk. The patient considered himself as “working”.
Primary Occupational, Ed or Training Status .................................1
Job Census Code ..............................................................................05

Variable Aliases: For Data Analysis Only

Variable ID: 148
8-Character Description: APrLvlSt
FORM I: 49. Job Census Code

VARIABLE NAME: Job Census Code

DESCRIPTION: This variable specifies the major census occupational category for the patient’s occupation at the time of injury. Interviewer asks:

What was your job title (or responsibilities)?

CHARACTERS: 2

CODES:  
1 Executive, administrative, and managerial  
2 Professional specialty  
3 Technicians and related support  
4 Sales  
5 Administrative support including clerical  
6 Private household  
7 Protective service  
8 Service, except protective and household  
9 Farming, forestry, and fishing  
10 Precision production, craft, and repair  
11 Machine operators, assemblers, and inspectors  
12 Transportation and material moving  
13 Handlers, equipment cleaners, helpers, and laborers  
14 Military occupations  
88 Not applicable, not working  
99 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. Refer to Appendix C of this syllabus for a listing of the specific occupational classifications included under each major occupational category listed above.


REVISIONS: October 2000: this variable was added to the database. Data are required for patients admitted to the System after 10/31/2000.

EXAMPLE: See Occupational Status Examples.

Variable Aliases: For Data Analysis Only

Variable ID: 149  
8-Character Description: AJobCnCd
VARIABLE NAME: Work Relatedness

DESCRIPTION: This variable specifies whether the spinal cord injury occurred in the course of employment. Interviewer asks:

Is your spinal cord injury work related?

CHARACTERS: 1

CODES:

0 No
1 Yes
9 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If the patient is receiving Worker’s Compensation, assume the injury was work-related.

If medical records or other injury reports contain additional information pertaining to work-relatedness, the “Operational Guidelines for Determination of Injury at Work” developed jointly by the Association for Vital Records and Health Statistics and CDC, should be used to code this variable. The guidelines may be found on the next page.

If no other information regarding work-relatedness is available, use the unknown code (code 9).

REVISIONS: October 2000: This variable was added to the database.

SOURCE: These guidelines were developed jointly by: The Association for Vital Records and Health Statistics (AVRHS) and the Centers for Disease Control (CDC).

EXAMPLE: The person was injured in a motor vehicle crash while working.

Work Relatedness ................................................................. 1
**FORM I: 50. Work Relatedness**

(Page 2 of 2)

**VARIABLE NAME:** Work Relatedness

**Operational Guidelines for Determination of Injury at Work**

A work related injury may occur regardless of whether the injury occurred in the course of work as usual or in another occupation and/or industry. If the patient’s occupation is housewife, student, or retired, the injury may have occurred during other employment. If the occupation is transportation-related, suspect injury at work and evaluate per criteria.

Consider available information with regard to location and activity at time of injury. If location is farm, suspect work-related and evaluate per criteria.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>INJURY AT WORK</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On Employer Premises</strong></td>
<td></td>
</tr>
<tr>
<td>• Engaged in work activity, apprentice, vocational training</td>
<td>✔️</td>
</tr>
<tr>
<td>• On break; in hallways, rest room, cafeteria, storage area</td>
<td>✔️</td>
</tr>
<tr>
<td>• In employer parking lots while working, arriving, or leaving</td>
<td>✔️</td>
</tr>
<tr>
<td>• Engaged in recreational activities on employer controlled facilities (games, etc.) for personal enjoyment</td>
<td>✔️</td>
</tr>
<tr>
<td>• As a visitor for non-work purposes, not on official business</td>
<td>✔️</td>
</tr>
<tr>
<td><strong>Off Employer Premises</strong></td>
<td></td>
</tr>
<tr>
<td>• Working for pay or compensation, including at home</td>
<td>✔️</td>
</tr>
<tr>
<td>• Working as a volunteer EMS, firefighter, or law enforcement officer</td>
<td>✔️</td>
</tr>
<tr>
<td>• Working in family business, including family farm. Activity should be clearly related to a profit-oriented business.</td>
<td>✔️</td>
</tr>
<tr>
<td>• Traveling on business, including to and from customer/business contacts</td>
<td>✔️</td>
</tr>
<tr>
<td>• Engaged in work activity where vehicle is considered the work environment (e.g., taxi driver, truck driver, etc.)</td>
<td>✔️</td>
</tr>
<tr>
<td>• Homemaker working at homemaking activities</td>
<td>✔️</td>
</tr>
<tr>
<td>• Working for self-nonprofit, i.e., mowing lawn, repairing own roof, hobby, or recreation activities</td>
<td>✔️</td>
</tr>
<tr>
<td>• Student engaged in school activities</td>
<td>✔️</td>
</tr>
<tr>
<td>• Operating vehicle (personal or commercial) for non-work purposes</td>
<td>✔️</td>
</tr>
<tr>
<td>• Commuting to or from work site</td>
<td>✔️</td>
</tr>
</tbody>
</table>

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 141

8-Character Description: AWrkRltd
**VARIABLE NAME:** Family Household Income Level

**DESCRIPTION:** This variable categorizes the income level of the family members living in the same household as the participant. The interviewer says:

*I am going to read a list of income categories. Tell me which category best describes your total Family Income for the past year. By total family income we mean any income of yours plus any family member’s income living with you. Is your total Family Income (read categories)...

**CHARACTERS:**

- 1

**CODES:**

- 1 < $25,000
- 2 $25,000 - $49,999
- 3 $50,000 - $74,999
- 4 > $75,000
- 6 Participant doesn’t know
- 7 Declined
- 9 Unknown/Interview not done

**COMMENTS:** Data are collected by interview.

Data collectors read each category and stops when the participant chooses the level of income. If a participant doesn’t know, prompt by saying: *We don’t need to know the exact amount, can you give me your best guess, is it (read categories)?*

If the participant wants to know why: *Income is very important in understanding why health outcomes and access to health care are different for different groups of people. Income categories are also used to help develop health and community programs that will best meet the needs of people from different backgrounds.*

The incomes of all family members 15 years old and over, related to the respondent by birth, marriage or adoption and living in the household are included. For example, if a 20 year old working son/daughter lived in the household at the time of injury, their income would be included. Do not include roomers, boarders, paid caregivers not related, or foster child.

Include 1-time lump sums of money.

**REVISION:** October 2011: Variable was added to the database and required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1397

8-Character Description: AFmIncLv
FORM I: 52. Veteran of US Military

VARIABLE NAME: Veteran of the U.S. Military Forces

DESCRIPTION: This variable documents if the participant is a veteran of the United States military forces (i.e., Air Force, Army, Coast Guard, Marine Corp and Navy). Interviewer asks:

*Are you a veteran of the U.S. Military Forces?*

CHARACTERS: 1

CODES:

- 0 No
- 1 Yes
- 9 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected from medical chart review.

A veteran is a person who had served active duty in any branch of the United States Armed Forces. A reservist who never served on active duty (“serving” means more than just training time) is NOT considered a veteran.

A reservist who is (1) “called up” to active duty or is (2) engaged in active duty military training and is hurt or injured during that period is considered a veteran.

Active duty military personnel who concludes his or her career with time in the reserves is considered a veteran.

REVISIONS: October 2011: Veteran Status codes were collapsed to Yes/No codes.

October 2000: this variable was added to the database. Data are required for patients admitted to the System after 10/31/2000.

CONVERSION: October 2011: Veteran Status was collected from October 2000 – October 2011. Previous codes ‘0. Not a veteran’ was converted to ‘0. No’ and codes ‘1-4’ were converted to ‘1. Yes’ and ‘9. Unknown’ was converted to ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 150

8-Character Description: AVeteran
VARIABLE NAME: Primary Payer

DESCRIPTION: This variable documents the primary payer of medical costs during inpatient stay. This care includes hospitalization, outpatient medical and rehabilitation services, vocational rehabilitation, education, training, equipment, medications and supplies, attendant care and custodial care. It does not include income maintenance. Interviewer asks:

*What is your primary health insurance? Read the list*

CHARACTERS: 2

CODES:

1 Private Insurance *(includes ‘no-fault’, BCBS, United Health, etc.)*

2 Medicare

3 Medicaid

4 Worker’s Compensation

5 Veterans Administration

6 Other Government *(e.g. Bureau of Indian Affairs; Crippled Children’s Services; Dept. of Vocational Rehab)*

7 No Pay *(indigent, no resources)*

8 Private funds *(e.g., self-pay; hometown fund raisers)*

9 Other, unclassified *(e.g., SCI system patient care funds, TRICARE; Champus; Homebound, victim’s assistance funds, etc.)*

77 Declined/ Participant doesn’t know

99 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review or from the nurse case manager or social worker. If sources conflict, use the participant’s response.

If patient has a rehab stay, then use the primary payer during rehab. If a participant has Workers Comp and Medicare and uses Workers Comp for SCI visits, then code Workers Comp.

Medicare is primary whether the person has Medicaid, private insurance or other insurance whereas Medicaid is always the secondary payer (unless the person has Charity care).

‘Primary’ is defined as who pays first, following the Centers For Medicare & Medicaid Services ‘Medicare and Other Health Benefits: Your Guide to Who Pays First’.

REVISIONS: October 2011: This variable was added back to the database and data are required for all patients with System Admission dates on or after 10/01/2011.
VARIABLE NAME: Primary Payer

REVISIONS: Prior to 1987, 5 types of insurance (positions) were allowed. After 1987, coding position #1 was designated for the Primary Sponsor. For most records in existence at that time, all codes were moved down one position and the unknown code (“99”) was inserted in coding position #1. At that time, there were no records containing codes for 5 sponsors.

CONVERSION: October 2011: This variable was collected from 1972 to October 1, 2006. During that time, up to 5 sponsors were collected. Conversion is based on the fist position. The following table lists code conversions. Records entered between October 2006 and October 2011 are populated with ‘99. Unknown’.

<table>
<thead>
<tr>
<th>Previous Codes</th>
<th>New Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Private Insurance</td>
<td>1 Private Insurance</td>
</tr>
<tr>
<td>02 Department of Vocational Rehab (DVR)</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>03 Medicaid [including Medicaid administered by another sponsor (e.g. an HMO)]</td>
<td>3 Medicaid</td>
</tr>
<tr>
<td>04 Worker's Compensation</td>
<td>4 Worker's Compensation</td>
</tr>
<tr>
<td>05 Medicare [including Medicare administered by another sponsor (e.g. an HMO)]</td>
<td>2 Medicare</td>
</tr>
<tr>
<td>06 County medical</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>07 Self-pay - personal funds</td>
<td>8 Private funds</td>
</tr>
<tr>
<td>08 Veterans Administration</td>
<td>5 Veterans Administration</td>
</tr>
<tr>
<td>09 Public Health Service (e.g., Bureau of Indian Affairs)</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>10 Crippled Children's Service</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>11 No Pay (indigent, no resources)</td>
<td>7 No Pay</td>
</tr>
<tr>
<td>12 Other insurance, unclassified: includes Champus/Tricare</td>
<td>9 Other, unclassified</td>
</tr>
<tr>
<td>13 Other private funds (e.g., hometown fund raisers)</td>
<td>8 Private funds</td>
</tr>
<tr>
<td>14 Prepaid health plans: includes HMOs, PPOs, Kaiser Foundation, etc.</td>
<td>1 Private Insurance</td>
</tr>
<tr>
<td>15 Other, unclassified (e.g., SCI system patient care funds, Homebound, victim's assistance funds, etc.)</td>
<td>9 Other, unclassified</td>
</tr>
</tbody>
</table>

For Data Analysis Purposes Only:

Variable ID: 1398
8-Character Description: APrimPay
VARIABLE NAME: Depression Diagnosis

DESCRIPTION: This variable reports a diagnosis by a health professional of depression prior to the spinal cord injury. Interviewer says:

*The next questions are about your medical history prior to your spinal cord injury. Had you ever been told by a health professional that you had depression?*

CHARACTERS: 1

CODES:
0  No
1  Yes
7  Declined/ Participant doesn’t know
9  Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If the medical chart review does not match the participant’s response, use data from the interview.

If a respondent is evasive or vague about answering this question, ask for their best guess.

Include major depression and clinical depression. Contact NSCISC to confirm coding of other diagnosis.

Exclude bipolar, adjustment disorder, grief and bereavement.

REVISION: October 2011: Variable was added to the database and required for all patients with *System Admission* dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1403
8-Character Description: ADepress
**FORM I: 55. Anxiety Diagnosis**

**VARIABLE NAME:** Anxiety Diagnosis

**DESCRIPTION:** This variable reports a diagnosis of post-traumatic stress disorder, panic disorder or generalized anxiety disorder prior to the spinal cord injury. If more than 1 diagnosis occurred, code the diagnosis that developed first. If it is unknown which diagnosis developed first, use code 4. Interviewer asks:

*Prior to your spinal cord injury, had you ever been told by a health professional that you had Post-Traumatic Stress Disorder (PTSD), Panic Disorder or Generalized Anxiety Disorder (GAD)*?

**CHARACTERS:** 1

**CODES:**

0  No
1  Yes, post-traumatic stress disorder (PTSD)
2  Yes, panic disorder
3  Yes, generalized anxiety disorder, (GAD)
4  Yes, multiple diagnoses, first diagnosis unknown
7  Declined/ Participant doesn’t know
9  Unknown

**COMMENTS:** Data is collected by interview. If an interview is not done, data may be collected by medical chart review. If the medical chart review does not match the participant’s response, use data from the interview.

If more than 1 diagnosis, code the first disorder diagnosed.

Use code ‘4. Multiple diagnosis’, only if the first diagnosis is not known.

If a respondent is evasive or vague about answering this question, ask for their best guess.

**REVISION:** October 2011: Variable was added to the database and required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 were populated with ‘9. Unknown’.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1402

8-Character Description: AAnxiety
VARIABLE NAME: Diabetes Diagnosis

DESCRIPTION: This variable identifies the presence and treatment of diabetes at any time prior to the SCI. This variable can be collected at any time during initial rehabilitation. Interviewer asks:

Prior to your spinal cord injury, had you been told by a health professional you have diabetes or high blood sugar? (If yes,) do you control it by medication, diet and/or exercise, or no method of control?

CHARACTERS: 1

CODES:
0  No
1  Yes, controlled by medication (oral or injection)
2  Yes, controlled by diet and/or exercise only (no medication)
3  Yes, but no method of control is used
4  Yes, but unknown method of control
7  Declined/Participant doesn’t know
9  Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If the medical chart review does not match the participant’s response, use data from medical chart.

Codes are in order of the highest form of control. Use the highest form of control when a participant uses more than one form. For example, when both medication and diet are used to control diabetes, then use code ‘1. Yes, controlled by medication’.

Use code ‘0. No’ when a participant endorses borderline or pre-diabetes.

Use code ‘0. No’ when a participant is diagnosed during System admission.

A Health Professional is defined as a consultant, Doctor, Nurse or other specially trained individual having certain responsibilities regarding the health of individuals or groups.

REVISION: October 2011: Variable added to the database and required for all patients with System Admission dates on or after 10/01/2011. This variable was converted to ‘9. Unknown’ for all Form Is admitted to rehab prior to October 1, 2011.

Similar data was collected from 1986 to February 1994. Researchers interested in this data may contact the NSCISC data center.

Variable Aliases: For Data Analysis Only

Variable ID: 1407
8-Character Description: ADiabete
FORM I: 57. Alcohol Use

VARIABLE NAME: AUDIT C - Alcohol Use

DESCRIPTION: This variable categorizes the number of times a participant drank alcohol during the year before spinal cord injury. Participant must be at least 18 years old. Interviewer says:

Now I am going to ask you some questions about your use of alcoholic beverages during the year before your SCI. Because alcohol use can affect many areas of health and may interfere with certain medications, it is important to know how much you usually drink. Please try to be as honest and as accurate as you can be. Remember, anything you share with us is confidential and you may refuse to answer any question.

During the year before your spinal cord injury, how often did you have a drink containing alcohol?

CHARACTERS: 1

CODES:
0  None
1  Once a month or less
2  2 to 4 times a month
3  2 to 3 times a week
4  4 or more times a week
7  Declined/ Participant doesn’t know
9  Unknown/Interview not done/Under 18 years

COMMENTS: Data are collected by interview only. According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.

If needed, clarify that one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine.

REVISION: October 2011: Variable was added to the database and data are required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be converted to ‘9. Unknown’.

Variable Aliases: For Data Analysis Only
Variable ID: 1399
8-Character Description: AAlcRate
VARIABLE NAME: AUDIT C - Alcohol Number of Drinks

DESCRIPTION: This variable categorizes the number of alcoholic drinks a participant has on a typical day when drinking. Participant must be at least 18 years old. Interviewer asks:

During the year before your spinal cord injury, how many drinks containing alcohol did you have on a typical day when you were drinking?

CHARACTERS: 1

CODES:

0  None
1  1 or 2
2  3 or 4
3  5 or 6
4  7 to 9
5  10 or more
7  Declined/ Participant doesn’t know
9  Unknown/Interview not done/Under 18

COMMENTS: Data are collected by interview only. According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.

If needed, clarify that one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine.

REVISION: October 2011: Variable was added to the database and data are required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1400
8-Character Description: AAlcNbDr
FORM I: 59. Alcohol 6 or more

VARIABLE NAME: AUDIT C - Alcohol 6 or more

DESCRIPTION: This variable categorizes the number of times a participant drank six or more alcoholic drinks during the year before spinal cord injury. Participant must be at least 18 years old. Interviewer asks:

During the year before your spinal cord injury, how often did you have six or more drinks on one occasion?

CHARACTERS: 1

CODES:

0 None
1 Less than monthly
2 Monthly
3 Weekly
4 Daily or almost daily
7 Declined/Participant doesn’t know
9 Unknown/Interview not done/Under 18

COMMENTS: Data are collected by interview only. According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.

One standard drink equals one 12 ounce bottle of beer; one 5 ounce glass of wine; or one shot (1.5 ounces of hard liquor).

REVISION: October 2011: Variable was added to the database and are required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1401
8-Character Description: AAlc6Mor
VARIABLE NAME: TBI Loss of Consciousness

DESCRIPTION: This variable documents the symptoms of traumatic brain injury at the time of the spinal cord injury. Interviewer asks:

At the time of your spinal cord injury, were you knocked out or did you lose consciousness (LOC)? If yes, for how long?

CHARACTERS: 1

CODES:
0 No LOC
1 Loss of consciousness (LOC) not exceeding 30 minutes
2 LOC between 31 minutes and 24 hours
3 LOC that exceeds 24 hours
7 Declined/Participant doesn’t know
9 Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If medical chart review does not match the participant’s response, use data from participant’s response.

REVISION: October 2011: Variable was added to the database and required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1404
8-Character Description: ATBILOC
FORM I: 61. TBI Severity – Loss of Memory

VARIABLE NAME: TBI Loss of Memory

DESCRIPTION: This documents the symptoms of traumatic brain injury. Interviewer asks:

   At the time of your spinal cord injury, were you dazed or did you have a gap in your memory from the injury?

CHARACTERS: 1

CODES:  
0  Not dazed, no memory gap  
1  Dazed or having a memory gap  
7  Declined/Participant doesn’t know  
9  Unknown

COMMENTS: Data are collected by interview. If an interview is not done, data may be collected by medical chart review. If medical chart review does not match the participant’s response, use data from participant’s response.

REVISION: October 2011: Variable was added to the database and required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1405
8-Character Description: ATBIMem
VARIABLE NAME: TBI Presence Severity

DESCRIPTION: This variable is calculated using ‘TBI LOC’ and ‘TBI Memory’. It documents the presence and severity of the symptoms of traumatic brain injury. This variable is calculated by NSCISC software.

CHARACTERS: 1

CODES:
1 Improbable TBI - No LOC, not dazed or no memory gap
2 Possible TBI - Dazed or having a memory gap
3 Mild TBI - LOC not exceeding 30 minutes
4 Moderate TBI - TBI LOC between 31 minutes and 24 hours
5 Severe TBI - LOC exceeds 24 hours
7 Declined/Participant doesn’t know
9 Unknown

COMMENTS: Prevalence of co-morbid TBI may be over 60% and presence of TBI has been associated with worse outcomes.

SOURCE: This scale is from John Corrigan in the TBI Model Systems. There is good reliability and reasonable validity data for this approach compared to structured interview and neuropsychological testing data.


SOFTWARE: This variable is populated using the most severe: ‘TBI Memory’ or ‘TBI LOC’.

REVISION: October 2011: Variable was added to the database and required for all patients with System Admission dates on or after 10/01/2011. Records entered prior to October 2011 will be populated with ‘9. Unknown’.

Variable Aliases: For Data Analysis Only

Variable ID: 1406
8-Character Description: ATBISevR
FORM I: QC Status

VARIABLE NAME: Quality Control (QC) Status

DESCRIPTION: This is a computer-generated variable to determine which records have passed QC. Only those records that have passed QC are included in the NSCISC database and reports.

CHARACTERS: 1

CODING:

1. Not passed QC
2. Passed QC

COMMENTS: This is a data management variable that is generated by the NSCISC. Users are not allowed to modify this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 306
8-Character Description: AQCStat
FORM I: Indate

VARIABLE NAME: Record Indate

DESCRIPTION: This is the date on which a particular record is first entered into the computer. It is a data management variable that is computer-generated. Once entered, this date never changes.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

Indates do not always correlate with injury, admission or discharge dates. Gaps in Indates may be due to data submissions with software update revisions or new funding cycles that require variable conversions.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable.

REVISIONS: This variable was added October 1, 1986.

CONVERSIONS: Records entered prior to October 1, 1986 were converted to 10/01/1986.

Variable Aliases: For Data Analysis Only

Variable ID: 307
8-Character Description: AIndate
FORM I: Update

VARIABLE NAME: Record Update

DESCRIPTION: This is the last date on which an existing record was modified. This date changes each time a record is modified and saved.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable (even if changes have not been made to the record.) Select “Exit without saving data” if you do not want the Update date to change.

Variable Aliases: For Data Analysis Only

Variable ID: 308
8-Character Description: AUUpdate
VARIABLE NAME: Sample

DESCRIPTION: This variable indicates whether or not yearly follow-up data were required (as determined by a sampling process). The NSCISC’s sampling process was in effect from November 1995 through September 2000 and was instituted to reduce the burden of data submission for those systems with large patient populations. The sampling system required “Core” (i.e., limited) follow-up data on the Sample patients.

Although the 1995-2000 sampling scheme is no longer used, this variable has been retained in the database to identify the patients for whom complete follow-up was (or was not) required.

CHARACTERS: 1

CODES:
0  Non-sample patient
1  Sample patient – group 1
2  Sample patient – group 2
3  Sample patient – group 3
4  Sample patient – group 4

COMMENTS: The sampling method did not affect clinical follow-up efforts. All patients were still encouraged to return to the system for medical evaluation as often as needed.

Code “0” will be inserted (by the software) in all Form Is entered after the sampling method was discontinued. Users are not allowed to modify this variable because it is a data management variable.

Variable Aliases: For Data Analysis Only

Variable ID: 465
8-Character Description: ASample
~This page left blank intentionally ~
FORM II: System ID

VARIABLE NAME: Reporting Model SCI System Identification Code (System ID)

DESCRIPTION: An alphabetic code is assigned to each reporting system by the National Spinal Cord Injury Statistical Center (NSCISC).

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the Personal Data, Record Status, Registry, Form I, and Form II data files.

CHARACTERS: 2
CODES: Assigned individually to each reporting system by the NSCISC.

<table>
<thead>
<tr>
<th>Code</th>
<th>City</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Atlanta</td>
<td>MS</td>
</tr>
<tr>
<td>AA</td>
<td>Ann Arbor</td>
<td>MW</td>
</tr>
<tr>
<td>B</td>
<td>Birmingham</td>
<td>NJ</td>
</tr>
<tr>
<td>BN</td>
<td>Boston (BMC)</td>
<td>NO</td>
</tr>
<tr>
<td>BS</td>
<td>Boston (Spaulding)</td>
<td>NY</td>
</tr>
<tr>
<td>C</td>
<td>Chicago</td>
<td>P</td>
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<td>CM</td>
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<td>PA</td>
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<td>CO</td>
<td>Cleveland</td>
<td>PI</td>
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<td>SJ</td>
</tr>
<tr>
<td>MI</td>
<td>Miami</td>
<td>V</td>
</tr>
</tbody>
</table>

COMMENTS: Use only uppercase letters. For systems with a one-character code, use the first box only (leave the second box blank).

A data form/record must have a System ID and the Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases: For Data Analysis Only

Variable ID: 1
8-Character Description: SiteID
FORM II: Patient Number

VARIABLE NAME:  Patient Number

DESCRIPTION:  The Patient Number is assigned to each patient at the discretion of the reporting System. Each Patient Number may contain a maximum of 6 characters.

No designated numbers are assigned by the NSCISC.

CHARACTERS:  6

CODES:  To be assigned by the individual reporting system.

COMMENTS:  Never recycle a patient number after it has been entered and saved.

The System ID and the Patient Number are the only patient identification variables submitted to the NSCISC and stored in the main Personal Data, Record Status, Registry, Form I, and Form II data files.

A data form/record MUST have a System ID and a Patient Number before it will be processed by the National Spinal Cord Injury Statistical Center.

Variable Aliases:  For Data Analysis Only

Variable ID:  2
8-Character Description:  PatNbr
VARIABLE NAME: Post-injury/Anniversary Year

DESCRIPTION: This variable documents the post-injury year being reported. When Form IIs are required, they should be submitted as soon as possible following the annual anniversary date of the patient's injury. Form II data submission is required of all patients in post-injury years 1, 5, 10, 15, 20, 25, 30, 35, and 40. Data submission in other years is permitted, but not required.

CHARACTERS: 2

CODES: 1 – 40 Valid Post-Injury Anniversary Year

COMMENTS: Do not submit any Form IIs until after the patient has been discharged from the initial hospitalization period. If a patient is still in the initial hospitalization period on his first anniversary, do not submit a Year 1 Form II. Document all the events occurring through discharge from the initial hospitalization on Form I.

The first Form II will document only the events occurring after discharge from the System. This is often an incomplete year; however, subsequent Form IIs will contain data for complete follow-up years. See Policy for information on patients who are still in the initial hospitalization period past their first anniversary.

Anniversary Year is a key identifier in the database. If Post Injury Year is incorrect, then delete the record and create a new record.

EXAMPLE 1: The patient was injured on 06/18/77 and discharged on 09/02/77.

<table>
<thead>
<tr>
<th>Data Collection Form</th>
<th>Time Period Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORM I:</td>
<td>06/18/77 through 09/02/77</td>
</tr>
<tr>
<td>FORM II, Year 1:</td>
<td>09/03/77 through 06/17/78</td>
</tr>
<tr>
<td>Year 2:</td>
<td>06/18/78 through 06/17/79</td>
</tr>
<tr>
<td>Year 5:</td>
<td>06/18/81 through 06/17/82</td>
</tr>
</tbody>
</table>

EXAMPLE 2: The patient was injured on 06/18/77, still hospitalized on his first anniversary, and discharged on 07/18/78.

<table>
<thead>
<tr>
<th>Data Collection Form</th>
<th>Time Period Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORM I:</td>
<td>06/18/77 through 07/18/78</td>
</tr>
<tr>
<td>FORM II, Year 1:</td>
<td>NO FORM II</td>
</tr>
<tr>
<td>Year 2:</td>
<td>07/19/78 through 06/17/79</td>
</tr>
<tr>
<td>Year 5:</td>
<td>06/18/81 through 06/17/82</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 309
8-Character Description: BYear
FORM II: 2. Category of Follow-up Care
(page 1 of 2)

VARIABLE NAME: Category of Follow-up Care provided by the SCI Model System

DESCRIPTION: This variable describes the type of medical care being provided to the patient by the System on the anniversary date being reported. Data collection begins 6 months prior to the Anniversary Date and ends 12 months after the Anniversary Date (for Year 1s, data collection ends 6 months post Anniversary Date).

CODES:

1 Primary or Major Consulting Care: Patient does not have an identified health care provider (physician/institution) outside the System and receives all medical care through the System OR the patient has an identified health care provider (physician/institution) outside the System but receives some SCI related medical care that may include annual evaluations through the System (includes satellite offices, urology, seating or pain clinics). All variables on Form II must be completed when this code is used.

4 Data Collection Only: (Interview Only) Follow-up data collection requires telephone/correspondence contact. No scheduled patient contact for medical care during the follow-up year (the patient is still in the original System or, the patient’s primary or major consulting care has been transferred to another federally-designated System). After transfer, the System that originally submitted the Form I remains responsible for obtaining and submitting all Form II follow-up data.

All interview variables on Form II must be completed except Annual Exam Date and Geocodes. If Year 1, then Neurological exam variables must be coded “Unknown, not done”. If not Year 1, then Neurologic exam variables may be blank.

5 Lost to System: Reasons that prohibit collection of interview: patient's whereabouts are unknown; or patient refuses; or patient is not allowed to participate in data collection; or a third party refuses access to the patient (e.g. prison authorities); or patient does not return the interview form; or the patient refuses to sign the current consent form; or patient withdraws consent from the study completely. The System is unable to obtain data for the entire follow-up year. See Policy for follow-up guidelines. When this code is used, it is necessary to complete only the Category of Follow-up Care and Reason for Lost variables. All remaining variables will be blank.

Once a patient has been reported "lost to system" with no contact in a follow-up year, Vital Status must be updated. See Record Status: Vital Status.

If a patient completely withdraws from the study (Reason for Lost = 6), no further follow-up is required, and all future attempts to contact the participant are discontinued.

8 Not Applicable: Use this code if the patient's neurologic status was "normal" or "minimal deficit" during the follow-up year, no further data collection will be required. This category supersedes Category of Care codes 1 and 4. All variables on Form II should be completed when this code is used.

NOTE: When a patient’s neurologic status changes to normal or minimal deficit, a Form II for the year in which the change occurred should be submitted (even if the year is not a required data submission year). This ensures that the recovery will be reported in the proper year and that future follow-up will be allowed but not required after that year. There is no requirement that a formal neurologic exam be performed to use code 8. This would apply for participants who have had such excellent neurological recoveries that they will never return to the center for an exam. See policy on neurologic recovery.

9 Unknown
VARIABLE NAME:  Category of Follow-up Care Provided by the SCI Model System

COMMENTS:  If, after 3 months following a patient's anniversary date, there is absolutely no hope of obtaining data on a patient, a Form II should be submitted declaring the patient lost to system. An update can always be submitted if information becomes available in the future.

If the patient is coded “lost” (Category of Care = ‘5’) then, leave all variables after the Reason for Lost variable blank.

For telephone interviews: If your IRB allows, you may get a verbal consent (with a witness?). If both the patient and the witness agree, you may proceed with the interview. If a patient transfers to another currently-funded Model System and the IRBs from both systems agree to a telephone waiver, this allows both systems to share data on the transferred patient.

REVISIONS:  June 2001: Code “6” (Transferred) was deleted. Transferred patients were moved to code “4” (Data Collection Only).

October 2000: For “Transferred” patients, continued follow-up data are required from the System that submitted the Form I.

January 1998: Reason for Lost was added.

CONVERSIONS:  June 2001: records with code 6 were changed to code 4.

November 1995: codes 1 and 2 were combined into 1 category and the restriction of only 3 consecutive years of Data Collection Only was removed.

January 1985: The "Deceased" category (old code 7) was deleted. Records using old code "7" were changed to code "9”.

QC:  See Policy for coding instructions for patients with minimal deficit or normal neurologic status.

If Category of Care = “4” (Data collection only) then:

Annual exam variables and Neurologic Exam variables must be coded “Unknown, not done”.

If Category of Care = “5” (Lost) then:

The Reason for lost variable cannot be coded “8” (Not applicable, not lost) and all remaining variables must = blank.

Variable Aliases:  For Data Analysis Only
Variable ID:  310
8-Character Description:  BFolUpCt
FORM II: 3. Reason for Lost

VARIABLE NAME: Reason for Lost

DESCRIPTION: This variable documents the reason the patient is currently coded “lost” in the Category of Care variable.

CHARACTERS: 1

CODES:

1 Patient refused/withdrew consent (Not valid after 2/1/2007)
2 Patient incarcerated and not available
3 Unable to contact (Not valid after 10/1/2011)
4 Other
5 Patient declined to complete the interview at this time
6 Patient withdrew consent (No further data collection required)
7 Identity Information Lost Due to Break in Funding (re-funded Centers)
8 Contact made but survey not completed
9 Attempted contact but language barrier prevented collection
10 Attempted contact but moved out of country
11 No contact - Apparently valid contact information
12 No contact - No valid contact information - see Policy
88 Not applicable, Category of Care not coded “5” (use this code if Category of Care=“1”, “4”, “8”, or “9”)
97 Identity unknown to NSCISC (NSCISC only)
98 Break in Funding (NSCISC only)
99 Unknown - This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.

COMMENTS: Beginning October 1, 2011, multiple codes were added to the database (see Revisions). Also, the NSCISC changed the policy of submitting a Lost Form II when the previous Form II was coded Category of Care = Lost (i.e., if the previous Form II was Lost, no subsequent Form II coded Lost was required to be submitted if the participant remained Lost). Beginning October 1, 2011, a Form II will be required for each eligible Form II due for the required follow-up year (1, 5, 10, 15 …). See Policy on follow-up.

Beginning February 1, 2007, codes ‘5. Patient declined to complete the interview at this time’ and code ‘6. Patient withdrew consent’ should be used in place of code ‘1. Patient refused/withdrew consent’. It is recommended that records containing the former code 1 be updated if it is known whether a patient refused to complete the interview, or if the patient elected to withdraw his/her consent from the study. Use of code 6, ‘Patient withdrew consent’ should be rare. A Project Director or PI will be required to sign the Withdrawn Authorization form for each participant coded withdrawn. The participant will be allowed to participate in future data collection if the re-consenting process is completed again.
COMMENTS: (cont) Follow-up Requirements:

A) Check SSDI for death and at least 2 internet search sites if valid contact is unknown. Use a paid-for search engine, like Accurint or Intellius, if available.

B) After obtaining the most current, valid, phone number, there should be at least six attempts to contact a person. These attempts should be made at different times during the day, evening, and weekends.

C) If unable to contact by telephone, a survey requesting the data should be mailed to the patient’s home.

Reduced Tracking Effort is a minimum tracking requirement for patients who have been coded ‘Lost’ for at least two previous consecutive follow-up years (ie, a Year 15 is due, and years 5 and 10 are ‘Lost’). Phone calls and mailed survey are not required unless new contact information is found. This does not apply to non-eligible follow-ups (Reason Lost = 6 or 7).

Reduced Tracking Effort includes:

A) Check SSDI for record of death.
B) Check System records (hospital and clinic) for recent activity
C) For updated contact information use a Fee based search if available, if not, search at least 2 of the free internet search sites.

If the patient is coded “lost” (Category of Care = “5”) then, leave all variables after the Reason for Lost variable blank.

See Policy for follow-up tips.

REVISIONS: October 2011: The NSCISC began collecting follow-ups for a limited number of de-funded SCIMS in 2007. ‘Identity unknown to NSCISC’ code was added for participants whose identity may still be known at the enrolling SCIMS but is not available to the NSCISC data collection (see Annual Report for details) team.

Historically, code ‘3 Unable to contact’, has a high rate of response (70%). The following codes were added to help specify the reason for ‘Unable to Contact’: ‘8. Contact made but does not complete survey, ‘9. Attempted contact but language barrier prevented collection’, ’10. Attempted contact but moved out of country’, ’11. No contact - Apparently valid contact information’, ’12. No valid contact information’, were added to the database.

July 2010: The Data Committee modified the Follow-up Tracking recommendations by deleting A). There should be more than one attempt to schedule a patient for follow-up evaluations in the clinic.
**FORM II: 3. Reason for Lost**  
*(page 3 of 3)*

**REVISIONS: (cont)**  
February 2009: Added code 7 (Identity Lost) ONLY for Centers that have lost funding and are now re-funded but identity information is no longer available for participants enrolled prior to re-funding.

October 2006: Code 1, “Patient refused/withdrew consent” was separated into two separate codes: Code 5, “Patient declined to complete the interview at this time” and Code 6, “Patient withdrew consent”. Use of Code 1 should be discontinued and data are to be collected using the new codes for all patients with Interview Dates on or after 2/1/2007.

January 1998: This variable was added and the information will be used by the Follow-up Tracking Committee to delete some “lost” patients from their tracking reports. Data are required in records newly entered into the database after 2/1/98 and optional in “lost” records present in the database prior to 2/1/98. However, it is in the system’s best interests to complete this variable for all patients who are currently coded lost. It is STRONGLY suggested that all systems provide data in this variable for patients whose last Form II = lost.

**CONVERSION:**  

For Model Systems who lose funding, the NSCISC will populate Lost Form IIs for required follow-up years using code ’98. Break in funding’ after each data submission.

January 1998: for all Form IIs in the database at this time and coded lost (5) in Category of Care, code “9” (unknown) was inserted in this variable.

**QC:**  
If this variable = “8” (*not applicable*) then: *Category of Care* must NOT be coded “5”.

Variable Aliases: For Data Analysis Only  
Variable ID: 311  
8-Character Description: BLostRsn
VARIABLE NAME: Date of Interview Modifier
DESCRIPTION: The data in this variable is used to define the Date of the Interview.
CHARACTERS: 1
CODES:
1   Date completely known
8   Interview not done
9   Unknown - This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.
Blank (only if Category of Care = “5”)

COMMENTS: Unknowns are not allowed in this variable except as a conversion code. Conversion codes are used for data analyses purposes only, and are never to be used by the data collector.

Data for “Window variables” may be collected from up to 182 days before the anniversary date to 365 days after the anniversary date. The window of time for the year 1 (or year 2) Form II is limited to 182 days after the anniversary.

This variable should be coded according to the date on which all or most of the interview items were obtained. Interviews may be conducted in person, by mail, or by phone.

If the interview is done by telephone, code according to the date of the phone call.

If the interview was done by mail, code according to the date the subject completed the interview form.

If the interviewer knows the respondent’s responses are not reliable, code the interview “not done” and code all the interview items unknown. It is better to encourage an unknown response rather than an inaccurate response.

QC: If the Date of Interview Modifier = 8, then all variables collected by interview MUST = “Unknown”

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Interview Dates on or after 10/01/2006.

CONVERSION: October 2006: For records that existed before 10/01/2006, code 1 was inserted for records that contained a valid date, Code 8 for records that contained “88888888”, and Code 9 was inserted for records that contained “99999999”.

Variable Aliases: For Data Analysis Only

Variable ID: 347
8-Character Description: BIntvDtM
VARIABLE NAME: Date of Interview

DESCRIPTION: This variable records the date on which all or most of the interview items were obtained. Interviews may be conducted in person, by mail or by phone. Data for all variables (except the Annual System Exam variables and the Neurological Exam variables) may be collected by interview. Certain items may be collected from the caregiver: Demographics, Work & Income, Technology, Bladder Management, Rehospitalizations, VA Services, Health Insurance, CHART, Mobility, FIM, and Mechanical Vent at year 1. A caregiver is someone involved in some type of care or contact with the participant on a routine basis and knows the participant’s situation concerning the variable.

CHARACTERS: 10

CODES: Any valid date
Blank (only if Category of Care = ‘5’ or if Date of Interview Modifier = ‘8’)

COMMENTS: Data for “Window variables” may be collected from up to 182 days before the anniversary date to 365 days after the anniversary date. The window of time for the year 1 (or year 2) Form II is limited to 182 days after the anniversary.

If the interview is done by telephone, this is the date of the phone call.

If the interview was done by mail, this is the date the subject completed the interview form.

If no interview is done and a medical chart review contains data for interview variables, use the date of the visit as the interview date (confirm the data matches SCIMS data collection procedures, for example, Pain is collected as specified: usual level of pain over the last 4 weeks on a scale of 0 - 10). If medical records from multiple visits within the window contain data for interview variables, then code this variable based on the date on which data for most of the variables are available or, if the data are equally available, code based on the date closest to the anniversary date.

If the interviewer knows the respondent’s responses are not reliable, code the interview “not done” and code all the interview items unknown. It is better to encourage an unknown response rather than an inaccurate response.

For the first (or second, see Policy) anniversary, it is extremely important to obtain data as close as possible to the anniversary date.

If the patient is coded “lost” (Category of Care = “5”) then, leave all variables after Reason for Lost blank.
FORM II: 5. Date of the Interview
(page 2 of 2)

VARIABLE NAME: Date of Interview

REVISIONS: October 2006: The Date of Interview Modifier was added to the database in order to allow valid date formats in the Date of Interview therefore alleviating the need of codes 88888888 and 99999999 in the date fields.

October 2000: this variable was added. Data are required for new Form IIIs entered on or after 03/01/2001.

QC: If the Date of Interview Modifier = 8, then Date of Interview must = ‘Blank’, and ‘How was the interview conducted’ MUST = ‘8’ and all subsequent variables (Residence through Mechanical Ventilation) MUST all = “Unknown”

Variable Aliases: For Data Analysis Only
Variable ID: 348
8-Character Description: BIntvDt
~This page left blank intentionally ~
FORM II: 6. How was the interview conducted?

VARIABLE NAME: How was the interview conducted?

DESCRIPTION: This variable documents if the interview was conducted in person, by phone and/or by mail.

Data for all variables (except the Annual Exam variables and the Neurological Exam variables) may be collected by interview.

CHARACTERS: 1

CODES:
1 Interview in person
2 Interview by phone
3 Self-administered (by mail or in the clinic)
4 Combination of in person, by phone and/or by mail
8 Not applicable, no interview
9 Unknown

Blank (only if Category of Care = “5”)

COMMENTS: A caregiver is someone involved in some type of care or contact with the participant on a routine basis and knows the participant’s situation concerning the variable. Certain items may be collected from the participant’s caregiver: Demographics, Work & Income, Technology, Bladder Management, Rehospitalizations, VA Services, Health Insurance, CHART, Mobility, FIM, and Mechanical Vent at year 1. Items collected from participant only are marked on the Form II Interview Form (identified with ‘!’).

<table>
<thead>
<tr>
<th>Participant Only Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diener-Satisfaction with Life</td>
</tr>
<tr>
<td>PHQ-2</td>
</tr>
<tr>
<td>Health Ratings</td>
</tr>
<tr>
<td>Pain</td>
</tr>
<tr>
<td>AUDIT-C Alcohol Use</td>
</tr>
</tbody>
</table>

The Form II Interview is available on the NSCISC website (in English and Spanish).

A Form II completed through the mail with the FIM completed by phone is coded 4 Combination.

REVISIONS: February 1996: this variable was added to the database.

Variable Aliases: For Data Analysis Only
Variable ID: 349
8-Character Description: BIntCond
VARIABLE NAME: Date of the Annual Examination Modifier

DESCRIPTION: The data in this variable are used to define the date on which the neurological exam was performed or weight was measured by calibrated scales. If neither weight nor neurological exam data is collected, code as 8) Not Applicable, Exam Not Done.

CHARACTERS: 1

CODES:

1 Date completely known
2 Day Unknown - This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.
3 Month and Day Unknown - This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.
8 Not Applicable, Exam not done
9 Unknown
Blank (only if Category of Care = “5”)

COMMENTS: Because the Annual Exam Date does not allow for partial dates (i.e. unknown month, day, or year), there is not an Annual Exam Date Modifier code that indicates the existence of partial dates.
Use the Unknown code (9) if it is not known whether or not the patient had an exam where weight and/or neurological exam data collected.
When data for an annual examination are collected during a system rehospitalization, this variable should be coded based on the date on which data for most of the variables were available.
When there are multiple exams during a year, code this variable based on the date on which data for most of the variables are available or, if the data are equally available, code based on the date that was done closest to the anniversary date.
For the first (or second, see Policy) anniversary, it is extremely important to obtain data as close as possible to the anniversary date.

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Interview Dates on or after 10/01/2006.

QC: If Category of Care = “4” (Data collection only) then:

Date of Annual Exam Modifier MUST = 8 and Annual Exam variables and Neurologic Exam variables must be coded “Unknown, not done” for Year 1.
VARIABLE NAME: Date of the Annual Examination Modifier

EXAMPLE: A patient is due for his year 1 follow up, and the window available to collect his data is closing within a week. You check his records and his annual exam for Post-injury year 1 is not available. You decide to call this patient to complete his Year 1 follow up interview*.

Category of Follow-up Care

**STATUS DURING THE ANNUAL EXAM**

Annual Exam Date Modifier

Date of the Annual Exam

Weight at Annual Exam

**NEUROLOGIC EXAM** [Data are required for year 01 (or year 02); data for subsequent years are optional]

Category of Neurologic Impairment

ASIA Impairment Scale

ASIA Motor Index Score

Elbow flexors (biceps, brachialis) C5

Wrist extensors (extensor carpi radialis longus & brevis) C6

Elbow extensors (triceps) C7

Finger flexors to the middle finger C8

Small finger abductors (abductor digiti minimi) T1

Hip flexors (iliopsoas) L2

Knee extensors (quadriceps) L3

Ankle dorsiflexors (tibialis anterior) L4

Long toe extensors (extensor hallucis longus) L5

Ankle plantarflexors (gastrocnemius, soleus) S1

Subtotal \[99\]

Total \[999\]

Any Anal Sensation

Any Voluntary Anal Sphincter Contraction

Sensory Level

Motor Level

Level Preserved Neurologic Function

*If after you’ve entered this form, the Annual Exam data becomes available, it is acceptable for you to go back and update these variables.

Variable Aliases: For Data Analysis Only

Variable ID: 325

8-Character Description: BAnExDtM
FORM II: 8. Annual Exam Date
(page 1 of 2)

VARIABLE NAME: Date of the Annual Examination
DESCRIPTION: This variable specifies the date on which the System annual physical examination (i.e., history and physical by a physician) was performed or weight was recorded. If both occur, code the neurologic exam date. If neither neurologic data nor weight is recorded, then Annual Exam Date Modifier will be 8 and Date of Annual Exam will be blank.

CHARACTERS: 10
FORMAT: mm/dd/yyyy
CODES: Any valid date
Blank

COMMENTS: Blanks are allowed in this field if one of the following conditions are met:
- Category of Care = '5'
- Annual Exam Date Modifier = '8' or '9'

The following variables are to be collected on the date coded in this variable:

<table>
<thead>
<tr>
<th>Variable Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Required for the Year 1 annual exam and optional in subsequent years</td>
</tr>
<tr>
<td>Annual Exam Date Modifier</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>ASIA Motor Index Score*</td>
</tr>
<tr>
<td>ASIA Sensory Score*</td>
</tr>
<tr>
<td>Sensory Level*</td>
</tr>
<tr>
<td>Motor Level*</td>
</tr>
<tr>
<td>Level of Preserved Neurologic Function*</td>
</tr>
<tr>
<td>Any Anal Sensation*</td>
</tr>
<tr>
<td>Any Voluntary Sphincter Contraction*</td>
</tr>
<tr>
<td>ASIA Impairment Scale*</td>
</tr>
<tr>
<td>Neurologic Impairment*</td>
</tr>
</tbody>
</table>

The annual examination for any anniversary year may be performed 6 months (182 days) prior to and up to 1 year (365 days) after the Anniversary Date (year 1 up to 6 months after the anniversary). For the first anniversary, it is extremely important to obtain data as close as possible to the Anniversary Date.

QC: See Policy on patients whose Category of Follow-up Care is "Data Collection Only".
VARIABLE NAME: Date of the Annual Examination

REVISIONS: October 2006: The Annual Exam Date Modifier was added to the database in order to allow valid date formats in the Date of the Annual Examination therefore alleviating the need of codes 88888888 and 99999999 in the date fields. Pressure ulcer variables were deleted, and Height and Weight variables were added.

October 2000: Motor ZPP and Sensory ZPP items were deleted. The Neuro exam items are collected in year 01 only. Other Annual Exam items are collected in year 1 and every 5th anniversary.

January 1998: Pressure Ulcers Present at the Time of the Annual Exam was changed to Worst Pressure Ulcer Present at the Time of the Annual Exam and the neurologic exam variables (Neuro Impairment, Levels, ZPPs, ASIA Impairment Scale and ASIA Motor Index Score) are required only in annual years 1 and 2.

November 1995: The remaining neurologic exam variables (Neuro Impairment, Levels, ZPP and ASIA Impairment Scale) were added to the annual exam. Data for these 1995 items are expected in Form IIs with Dates of Annual Examination on or after January 1, 1996 (i.e., equal to or greater than 01/01/1996).

October 1986: The Date of the Annual Exam was added. Locations and Grades of Pressure Ulcers and Number of Pressure Ulcers were changed from those occurring during the anniversary year to those present at the time of the annual examination. The ASIA Motor Index Score was added to this exam.

CONVERSION: Data from the neurologic variables (i.e., old variable numbers 211, 212, 212A, 212B, 212C, 212D and 213) and the old Mechanical Ventilation variable (V219) were retained. The Date of the Annual Exam can be used to distinguish these records from those in which these data are acquired during the Annual Exam (i.e., if the Annual Exam is on or after 1/1/96, these data were obtained on that date).

Variable Aliases: For Data Analysis Only

Variable ID: 326
8-Character Description: BAnExDt
FORM II: 9. Weight

VARIABLE NAME: Weight of the patient
DESCRIPTION: Mass of an individual expressed in pounds during the annual exam. The weight of the patient should be taken by first, weighing the patient in his/her wheelchair on a digital calibrated wheelchair scale. Then transfer the patient and weigh the wheelchair again with the patient’s shoes and heavy objects (i.e., phone, keys…) in the chair.

If the patient uses a power chair or has difficulty with transfers, it is recommended that a calibrated mechanical lift with a built-in scale be used as a substitution.

CHARACTERS: 3 for each
CODES: 1-887 Valid range
888 Patient weighs more than 887 lbs
999 Unknown or amputated limb
Blank (only if Category of Care = “5”)

COMMENTS: If the patient is ambulatory, weigh in light clothing and without shoes.
If the patient has an amputated limb, code Weight Unknown.


QC: If Category of Care = 5, then Weight MUST = Blank.
If Annual Exam Date Modifier = 8, Weight must = 999.

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Indates Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 328
8-Character Description: BWeight
**FORM II: 10. Place of Residence**

**VARIABLE NAME:** Place of Residence  
**DESCRIPTION:** This variable specifies where the patient is actually residing at the time of follow-up data collection. This place may not necessarily coincide with the patient's legal residence. The interviewer asks:

*Currently, what type of residence are you living in? (begin reading list)*

**CHARACTERS:** 2

**CODES:**

1. **Private Residence:** includes house, apartment, hogan, mobile home, foster home, condominium, boat, individual residence in a retirement village  
2. **Hospital:** includes mental hospital, hospital in a retirement village  
3. **Nursing Home:** includes medi-center, skilled nursing facilities, institutions licensed as hospitals but providing essentially long-term care, custodial, chronic disease care, assisted living unit in retirement village.  
4. **Group Living Situation:** includes transitional living facility, dormitory (school, church, college), military barracks, boarding school, boarding home, bunkhouse, boys' ranch, fraternity/sorority house, labor camp, commune, shelter, convent, monastery, or other religious order residence, etc.  
5. **Correctional Institution:** includes prison, jail, correctional center, etc.  
6. **Hotel/motel:** includes YWCA, YMCA, guest ranch, inn  
8. **Other, unclassified**  
9. **Homeless:** cave, car, tent, etc.  
10. **Assisted Living**  
99. **Unknown**  

**Comments:** Assisted living residences or assisted living facilities (ALFs) provide supervision or assistance with activities of daily living (ADLs); coordination of services by outside health care providers; and monitoring of resident activities to help to ensure their health, safety, and well-being.

If the patient's place of residence does not fit into any of the above classifications, document it as "Other, unclassified". "Hospital" should not be used in the case of a patient who is temporarily rehospitalized on his anniversary.

**Revisions:**

- October 2011: ‘Assisted Living’ code was added to the database.
- October 2000: ‘convent, monastery, or other religious order residences’ were added to code 4.
- November 1995: Residence at time of injury and code 9 for homeless were added. Cave, car and tent were moved from code 1 to code 9.

**Conversions:** In January 1985: the category deceased (old code —71) on Form II was deleted. Form II records using old code “7” now contain code "99".

**Variable Aliases:** For Data Analysis Only  
**Variable ID:** 312  
**8-Character Description:** BPlcRes
FORM II: 11. Resides in Catchment Area

VARIABLE NAME: Resides in Catchment Area

DESCRIPTION: This variable documents the patient’s residence within the Model System’s designated geographic catchment area at the time of the follow-up interview.

CHARACTERS: 1

CODES
0 No
1 Yes
9 Unknown
Blank (only if Category of Care = “5”)

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Interview Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 313
8-Character Description: BlnCatch
VARIABLE NAME: Geocode Modifier

DESCRIPTION: The data in this variable are used to define the completeness of Geocode data: State, County, Census Tract ID, Block Group ID and Block Group.

CHARACTERS: 1

CODES:
0 Address not found in recommended web look-up sites
1 All geocode fields known
2 State, County, Census Tract ID and Block Group codes known
3 State, County and Census Tract ID codes known
4 State and County codes known
5 State code known
6 Out of country residence
7 Participant declined
9 Unknown
Blank (only if Category of Care = “5”)

COMMENTS: Code permanent address.
Code as much of the home address as possible, for PO Boxes, code state and county if known.
Geocode data fields (State through Block ID) will be blank if this variable is coded ‘6. Out of country residence’, ‘7. Declined’ or ‘9. Unknown’.
Geocode data fields (Census Tract ID through Block ID) will be blank but State and County is known if Geocode Modifier is coded ‘0. Address not found in recommended web look-up sites’.

SOFTWARE: This data is submitted and saved using data encryption. If researchers request the geocode data from the NSCISC, they are required to take additional measures to keep this data secure. See Policy on releasing geocode data.
Geocode Modifier triggers validation for Geocodes on data entry screen.

REVISIONS: October 2011: This variable was added to the database. Data are required for all Form IIs with Indates on or after 10/01/2011. This variable was converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.
March 2014: Codes ‘0. Address not found in recommended web look-up sites’ and ‘6. Out of country residence’ were added.

Variable Aliases: For Data Analysis Only

Variable ID: 1647
8-Character Description: BGeoMod
FORM II: 13. Geocode
(page 1 of 2)

VARIABLE NAME: Geocode
DESCRIPTION: These variables document geographic identifiers (e.g., Federal Information Processing Codes or latitude/longitude) using the 2010 Census Geocode address lookup. These variables are based on the address of the participant’s residence at follow-up collection.

VARIABLE NAME: State FIPS ID The Census Bureau treats the District of Columbia and Puerto Rico as the equivalent of a state for data presentation purposes.
CHARACTERS: 2

VARIABLE NAME: County FIPS ID
CHARACTERS: 3

VARIABLE NAME: Census Tract ID
CHARACTERS: 4 digits before decimal, decimal, 2 digits after decimal

VARIABLE NAME: Census Block Group ID
CHARACTERS: 1

VARIABLE NAME: Census Block ID
CHARACTERS: 4
CODES: Valid Codes
Blank Unknown or ‘Lost’ Category of Care = 5

Find State and county codes at http://mdc.mo.gov/webrepts/commoncodes/
Find Census Tract, Block Group and Block Group ID at http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t#none or if an address comes back incorrectly, look up geocodes (except for Block Group) at http://www.ffc.gov/Geocode/default.aspx

COMMENTS: Geocodes are used in health and health policy research to examine relationships between area characteristics and health outcomes.

The FIPS codes that comprise a “geocode” will be stored as separate data points consisting of state, county, Census tract and Census block identifiers. With the exception of state codes, FIPS codes do not uniquely identify a place. FIPS codes must be concatenated (i.e., linked sequentially) to create a unique geographic identifier that can then be used to link individual data to Census data and other administrative data sources.

This data is submitted and saved using data encryption. The NSCISC data storage system is configured to ensure participants’ information is secure; SCIMS data is protected through secure technology including passwords, firewalls, encryption, and auditing to prevent unauthorized access. Geocode data will not be included in the National Database released to researchers unless it is requested by researchers with an approved data security plan (see Geocode Data Release Policy).
VARIABLE NAME:  Geocode

COMMENTS: (cont)  Census Tract ID is broken into 2 variables: 3 digits before the decimal and 2 digits after the decimal.

Use leading zeros (0) for all geocodes except Census Tract ID After Decimal (use trailing 0s) to fill all character spaces in each of the fields.

Retrospective coding: FIPS codes may change with each U.S. Census (every 10 years). For example, although a participant may have the same address for the last 15 years, he might have different block groups in each of the two census code look-up tables. When coding data collected prior to January 1, 2010, use the corresponding census codes.

If a participant lives outside the United States, code Modifier as ‘9. Unknown’ and State – Block ID will be blank.

EXAMPLE:
3734 Elvis Presley Boulevard, Memphis, TN 38116

<table>
<thead>
<tr>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>157</td>
<td>0220.21</td>
<td>6</td>
<td>6000</td>
</tr>
</tbody>
</table>

1600 Pennsylvania Avenue NW, Washington D.C.20502

<table>
<thead>
<tr>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>000</td>
<td>0062.02</td>
<td>1</td>
<td>1032</td>
</tr>
</tbody>
</table>

REVISION:  October 2011: variables were added to the database and are required for all Form IIs entered on or after 10/01/2011. These variables remain blank for all Followed (not Lost) Form IIs entered prior to October 1, 2011. Refer to Geocode Modifier for completeness of data.

Variable Aliases:  For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>State FIPS ID</th>
<th>County FIPS ID</th>
<th>Census Tract ID 1 Before decimal</th>
<th>Census Tract ID 2 After decimal</th>
<th>Block Group ID</th>
<th>Block ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1648</td>
<td>1649</td>
<td>1650</td>
<td>1651</td>
<td>1652</td>
<td>1653</td>
<td></td>
</tr>
</tbody>
</table>
8-Character Description:  BGeoSt  BGeoCnty  BGeoCnT1  BGeoCnT2  BGeoBGID  BGeoBIIID
FORM II: 14. Zip Code

VARIABLE NAME: Zip Code

DESCRIPTION: A zip code is a 5-digit postal code used by the United States Postal Service. It uniquely identifies a geographic area. Use the participants address at follow-up.

CHARACTERS: 5

CODES: Any valid zip code

77777 Declined

99999 Unknown

Blank (only if Category of Care = 5)


REVISIONS: October 2011: This variable was added to the database. Data are required for all Form IIs entered on or after 10/01/2011. This variable was converted to ‘99999. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

For Data Analysis Purposes Only:

Variable ID: 1654

8-Character Description: BZipCode
VARIABLE NAME: Marital Status

DESCRIPTION: This variable specifies the participant’s marital status at the time of data collection. Interviewer asks: What is your current marital status?

CHARACTERS: 1

CODES:  
1 Never Married (Single)  
2 Married  
3 Divorced  
4 Separated  
5 Widowed  
6 Other, unclassified  
7 Living with Significant Other, Partner, Unmarried Couple  
9 Unknown  
Blank (only if Category of Care = “5”)

COMMENTS: Marital Status is a self-identified variable so use the participant’s response. If the patient’s marital status does not fit into any of the above classifications, document it as “Other, unclassified”.

QC: On a Form II, when a patient = “1” (never married -single), the Form I Marital Status at Injury and all previous Form II Marital Status should be coded “1” (never married -single).

REVISIONS: March 2015: Marital Status will be self-identified, disregard legal status. October 2011: “7. Living with Significant Other” code was added.

Variable Aliases: For Data Analysis Only

Variable ID: 314
8-Character Description: BMarStat
FORM II: 16. Change in Marital Status
(page 1 of 2)

VARIABLE NAME: Change in Marital Status

DESCRIPTION: This variable documents change in marital status between the current Form II and the last Form II (or Form I) with known marital status data. When coding the Year 1 Form II, this variable documents the change in marital status between the time of injury and the Year 1 interview.

Interviewer asks: Has your marital status changed since (date of last known marital status)?

CHARACTERS: 1

CODES:
0 No change
1 Divorce
2 Marriage
3 Widowed
4 Divorce + marriage (in either order)
5 Widowed + marriage (in either order)
6 Divorce, marriage + widowed (in any order: DMW, MDW, WMD)
7 Other
8 Significant Other or Partner – changes in permanent living arrangements
9 Unknown

Blank (only if Category of Care = “5”)

COMMENTS: Before the interview, review previously coded Marital Status and the year it was collected. When asking the patient this question, the interviewer will need to cue the patient concerning the appropriate time period. For example, if data are being collected for year 10 and the patient has Form IIs for years 5 and 1 but Marital Status was unknown in year 5 (or if the year 5 was ‘Lost’), the interviewer should ask for the changes that occurred since year 1.

Ignore separations whether temporary or permanent.

Data collectors are encouraged to update records whenever new data are available.

REVISIONS: October 2011: ‘8. Significant Other or Partner Change’ code was added.

October 2000: Added ‘Change in Marital Status’ to the database.

EXAMPLE 1: At the time of injury, the patient was single. The patient married shortly after being discharged and was still married at the time of his first anniversary of injury.

<table>
<thead>
<tr>
<th>Form I</th>
<th>Form II, year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marital Status</td>
<td>Marital Status</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>
FORM II: 16. Change in Marital Status

(page 2 of 2)

VARIABLE NAME: Change in Marital Status

EXAMPLE 2: The patient is being interviewed for his year 1 anniversary. He was married at the time of injury but is now separated.

<table>
<thead>
<tr>
<th>Form I Marital Status</th>
<th>Form II, year 1 Marital Status</th>
<th>Change in Marital Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

There was no legal change in marital status since the patient was only separated (not legally divorced).

EXAMPLE 3: At the time of injury, the patient was married to his first wife. The patient was lost during year 1. During year 3 the patient divorced and in year 4, he married his second wife. At his 5th anniversary, the patient was still married to his second wife.

<table>
<thead>
<tr>
<th>Form I Marital Status</th>
<th>Form II, year 1 Marital Status</th>
<th>Form II, year 5 Marital Status</th>
<th>Change in Marital Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>blank</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

EXAMPLE 4: The patient was single at the time of her first anniversary and her marital status on her year 5 Form II was unknown.

These are the pre-interview codes in the patient’s Form II records:

<table>
<thead>
<tr>
<th>Year 1 Marital Status</th>
<th>Year 5 Marital Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9</td>
</tr>
</tbody>
</table>

Her status on the 10th anniversary was married. Since marital status on her 5th anniversary was unknown, the interviewer asked her for all changes in marital status since her first anniversary. She said that she married 2 years after her injury and her first husband died in her 6th anniversary year. She remarried 7 years after her injury. These are the post-interview codes (if the data collector does not update the year 5 Form II):

<table>
<thead>
<tr>
<th>Year 1 Marital Status</th>
<th>Year 5 Marital Status</th>
<th>Year 10 Change in Marital Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9</td>
<td>2</td>
</tr>
</tbody>
</table>

However, if the data collector chooses to update the year 5 data, these are the post-interview codes:

<table>
<thead>
<tr>
<th>Year 1 Marital Status</th>
<th>Year 5 Marital Status</th>
<th>Year 10 Change in Marital Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 319
8-Character Description: BMarStCh
FORM II: 17. Education Level

VARIABLE NAME: Highest Formal Educational Level Completed

DESCRIPTION: This variable specifies the highest level of formal education completed at the time of the follow-up interview. This is level completed and does not include partial completion. This variable does not include trade or technical schools.

What is the highest level of education that you have completed?

CHARACTERS: 1 for each entry

CODES:
1 8th grade or less (includes ages 0 - 5)
2 9th through 11th grade
3 High School Diploma or G.E.D.
4 Associate Degree (A.A. - Junior College Degree)
5 Bachelors Degree
6 Masters Degree
7 Doctorate (Ph.D., M.D., law degrees, etc.)
8 Other, unclassified (3-year nursing degree, special education)
9 Unknown
Blank (only if Category of Care = “5”)

COMMENTS: If a person has 2 or more degrees, report the highest degree achieved. If the patient's educational level completed does not fit into any of the above classifications, document it as "Other, unclassified."

The following table shows the education levels in Mexico and how they relate to the United States grades.

<table>
<thead>
<tr>
<th>US Education</th>
<th>Mexico Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st to 6th grade</td>
<td>Primaria (Elementary)</td>
</tr>
<tr>
<td>7th to 9th grade</td>
<td>Secundaria (Middle School)</td>
</tr>
<tr>
<td>10th to 12th grade</td>
<td>Preparatoria (3 years) or Bacherillato (2 or 3 years) (High School)</td>
</tr>
</tbody>
</table>

EXAMPLE: On her 5th anniversary of injury, the patient had an associate degree and a Bachelor’s degree.

Level of Education........................................................................................................5

Variable Aliases: For Data Analysis Only
Variable ID: 315
8-Character Description: BEducLvl
VARIABLE NAME: Primary Occupational, Educational or Training Status

DESCRIPTION: This variable specifies the primary occupational, educational or training status of the patient at the time of the follow-up interview. Currently, what is your primary occupational status?

CHARACTERS: 1 for each entry

CODES:

1 Working competitive labor market: includes military (legally employed).
2 Homemaker (must be living with at least one other person)
3 On-the-job training
4 Sheltered workshop
5 Retired
6 Student (includes ages 0 - 5)
7 Unemployed (may or may not be looking for work)
8 Other, unclassified (includes volunteer, disability/medical leave, illegal or under-the-table employment)
9 Unknown

Blank (only if Category of Care = “5”)

COMMENTS: If the patient's primary occupational, educational, or training status does not fit into any of the above classifications, document it as "Other, unclassified".

Since these sub-categories are not mutually exclusive, the primary occupational, educational or training status should be selected on the basis of the injured person's opinion as to what is primary.

QC: If Occupational Status = “1” (working) then, Job Census Code must not = “88” (not applicable, not working).

EXAMPLE 1: On the anniversary date being reported, the patient was a college student who worked 30 hours a week as a waitress. The patient considered herself a “student”.

Primary Occupational, Ed or Training Status ....................... 6
Job Census Code .................................................................. 88

EXAMPLE 2: On the anniversary date being reported, the patient was a college student who worked 30 hours a week as a stock clerk. The patient considered himself as “working”.

Primary Occupational, Ed or Training Status ....................... 1
Job Census Code .................................................................. 5
**FORM II: 19. Job Census Code**

VARIABLE NAME: Job Census Code

DESCRIPTION: This variable specifies the major census occupational category for the patient’s occupation at the time of the follow-up interview. Interviewer asks if working: *What is your job title or responsibilities?*

CHARACTERS: 2

CODES:

1. Executive, administrative, and managerial
2. Professional specialty
3. Technicians and related support
4. Sales
5. Administrative support including clerical
6. Private household
7. Protective service
8. Service, except protective and household
9. Farming, forestry, and fishing
10. Precision production, craft, and repair
11. Machine operators, assemblers, and inspectors
12. Transportation and material moving
13. Handlers, equipment cleaners, helpers, and laborers
14. Military occupations
88. Not applicable, not working
99. Unknown

Blank (only if Category of Care = “5”)

COMMENTS: Refer to the 1990 Occupational Classification System for a listing of the specific occupational classifications included under each major occupational category listed above. If the patient is working (even if “working” is not the primary occupation coded in *Occupational Status*), code the job in this variable.


REVISIONS: October 2000: this variable was added to the database. Data are required for patients with interview dates after 10/31/2000.

Variable Aliases: For Data Analysis Only

Variable ID: 317
8-Character Description: BJobCnCd
VARIABLE NAME: Family Household Income Level

DESCRIPTION: This variable categorizes the income level of the family members living in the same household as the participant. The interviewer says:

*I am going to read a list of income categories. Tell me which category best describes your total Family Income in the last year. By total family income we mean any income of yours plus any family member’s income living with you. Is your total Family Income (read categories)...

CHARACTERS: 1

CODES:

1  < $25,000
2  $25,000 - $49,999
3  $50,000 - $74,999
4  $75,000 or more
6  Participant doesn’t know
7  Declined
9  Unknown, Interview not done

Blank (only if Category of Care = “5”)

COMMENTS: Data collectors should begin to read each category and let the respondent stop them at the appropriate category level. If a participant doesn’t know, prompt by saying: *We don’t need to know the exact amount, can you give me your best guess, is it (read categories)?*

If the participant wants to know why: *Income is very important in understanding why health outcomes and access to health care are different for different groups of people. Income categories are also used to help develop health and community programs that will best meet the needs of people from different backgrounds.*

The incomes of all family members 15 years old and over, related to the respondent by birth, marriage or adoption and living in the household are included. Do not include roomers, boarders, paid caregivers not related, or foster children. For example, if a 20 year old working child lived in the household during the past year, but not longer is living with the respondent at the time of data collection, do not include the 20 year old child’s income as part of the Family Income now.

Similarly, income for individuals who only recently moved in with the respondent at the time of the interview should be included in Family income. For example, a 20 year old working child has moved in with the respondent within the last month, their income would be included.

Include 1-time lump sums of money.

REVISION: October 2011: Variable was added to the database and is required for all Form II interviews on or after 10/01/2011.
VARIABLE NAME: Family Household Income Level

CONVERSION: October 2011: Data collected prior to October 1, 2006 used income levels that were collapsed at this conversion (see table). Previous Family Income data was collected from 1995 to 2005 as part of CHART Economic Self-Sufficiency.

Non-Lost Form IIs completed between 2006 and October 1, 2011 are populated with ‘9. Unknown’.

<table>
<thead>
<tr>
<th>Retired Code</th>
<th>New Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Less than $10,000</td>
<td>1. &lt;$25,000</td>
</tr>
<tr>
<td>2. $10,000 to $14,999</td>
<td>1. &lt;$25,000</td>
</tr>
<tr>
<td>3. $15,000 to $19,999</td>
<td>1. &lt;$25,000</td>
</tr>
<tr>
<td>4. $20,000 to $24,999</td>
<td>1. &lt;$25,000</td>
</tr>
<tr>
<td>5. $25,000 to $34,999</td>
<td>2. $25,000 to $49,999</td>
</tr>
<tr>
<td>6. $35,000 to $49,999</td>
<td>2. $25,000 to $49,999</td>
</tr>
<tr>
<td>7. $50,000 to $74,999</td>
<td>3. $50,000 to $74,999</td>
</tr>
<tr>
<td>8. $75,000 or more</td>
<td>4. $75,000 or more</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only
Variable ID: 1659
8-Character Description: BFmIncLv
VARIABLE NAME: Computer Use

DESCRIPTION: This variable documents whether or not the participant uses a computer (including laptops and electronic devices). The interviewer asks:

_Do you use a computer or other electronic device like a netbook or smartphone at home, outside the home or both?_

CHARACTERS: 1

CODES:

0     No
1     Yes, I use a computer at home only
2     Yes, I use a computer outside the home only
3     Yes, I use a computer at home and outside the home
9     Unknown, Interview not done

Blank (only if Category of Care = “5”)

COMMENTS: If participants use electronic devices (like a smartphone or netbook), code use as inside and/or outside the home. If computer use varies over the year, code the typical use.

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

August 2013: Modified question to read, _Do you use a computer or other electronic device like a netbook or a smartphone...?_ In COMMENTS: Changed the word ‘Blackberry’ to ‘smartphone’.

Variable Aliases: For Data Analysis Only

Variable ID: 419
8-Character Description: BCompUse
FORM II: 22. Computer Assistance

VARIABLE NAME: Computer Assistance

DESCRIPTION: This variable records assistance of another person to use a computer. Interviewer asks:

Do you require assistance from another person to use a computer?

CHARACTERS: 1

CODES:

0  No, I use a computer without assistance from another person.
1  Yes, I use a computer with assistance from another person.
8  N/A, Does not use a computer
9  Unknown, Interview not done
Blank  (only if Category of Care = “5”)

COMMENTS: If a person is physically unable to perform computer tasks and needs someone to set up the computer, or a device, use code ‘1 Yes, need assistance from another person. Examples of assistance from another person: turning the computer on or off; positioning the computer or individual for computer use; assistance with setup or devices; using a computer by proxy.

If a person is physically capable of performing computer operations use code ‘0 No’. Examples of No assistance: Assistance with basic computer skills such as training on a new program, how to print, computer troubleshooting, removal of virus or spyware.

REVISIONS: October 2011: This variable was added to the database and is required for all Form IIs entered on or after 10/01/2011. This variable was converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1655
8-Character Description: BCmpAsst
VARIABLE NAME: Computer Devices

DESCRIPTION: This variable records the use of up to 5 assistive devices to use a computer. The first device listed is the most used device. Interviewer says:

Do you require assistive device(s) or technology to use a computer? If yes, which one is the most frequently used device? (read from list) Do you use any others?

CHARACTERS: 2 each, 5 entries

CODES:

0  No assistive device(s)
1  Brace or Splint
2  Modified or onscreen keyboard
3  Adapted Mouse
4  Trackball
5  Bluetooth Joystick
6  Speech recognition
7  Head pointing infrared device/technology
8  Other, Unclassified
88  N/A, does not use a computer allowed in position #1 only
99  Unknown, Interview not done allowed in position #1 only
Blank (only if Category of Care = “5”)

COMMENTS: Position #1 should list the patient’s primary adaptive device.

Include assistive devices regardless of reason for use (i.e., if participant uses speech recognition because of blindness, code as 6 Speech Recognition).

Assistance from another person is not considered an assistive device (see Computer Assistance).

A cuff with a pointer is coded as 1-Brace or Splint. A mouth stick is coded as 8 Other, Unclassified.

REVISIONS: October 2011: This variable was added to the database. Data are required for all Form IIs entered on or after 10/01/2011. This variable was converted to ‘99. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

A similar variable (V261) was collected from April 2004 to September 2006. Researchers interested in using this data may contact NSCISC data center.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID:</th>
<th>Device 1</th>
<th>Device 2</th>
<th>Device 3</th>
<th>Device 4</th>
<th>Device 5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1656</td>
<td>1808</td>
<td>1809</td>
<td>1810</td>
<td>1811</td>
</tr>
<tr>
<td>8-Character Description:</td>
<td>BCmpDev1</td>
<td>BCmpDev2</td>
<td>BCmpDev3</td>
<td>BCmpDev4</td>
<td>BCmpDev5</td>
</tr>
</tbody>
</table>
FORM II: 24. Internet/Email Usage

VARIABLE NAME: Internet or Email Usage

DESCRIPTION: This variable documents how often the participant uses the Internet or Email. Interviewer asks:

Do you access the Internet or Email? (If yes) how often?

CHARACTERS: 1

CODES:
0 Uses a computer but never uses the internet or email
1 Daily (5 to 7 days every week of the month)
2 Weekly (less than 5 days per week and more than 3 days per month)
3 Monthly (3 days or less per month)
8 Not applicable, does not use a computer
9 Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: This includes computers and other electronic or mobile devices.

A participant who actively supervises others to access their email or internet is considered internet/email usage. Secondary sources (people who access the internet/email without participant’s supervision) are not included.

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 420
8-Character Description: BInetEml
FORM II: 25. Internet Mobile Device

VARIABLE NAME: Internet Mobile Device

DESCRIPTION: This variable records access to the internet or email using a mobile device. Interviewer asks:
Do you use a mobile device to access your email or the internet? (Read list, record primary device)

CHARACTERS: 1

CODES: 0 No (internet access occurs but not from a mobile device)
1 Cell phone / Smart phone
2 Portable Media Player (IPod, Zune, etc.)
3 Netbook or Tablet (iPad)
4 PDA
6 Other, Unclassified
8 N/A, does not access Internet/Email
9 Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: Mobile devices include cell phones, smart phones, Blackberries, Netbooks/Tablets, PDAs, iPads, iPods, etc.
If multiple devices are used, code the primary device used to access internet/email.

REVISIONS: October 2011: This variable was added to the database. Data are required for all Form IIs with Indates on or after October 1, 2011. This variable was converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1657
8-Character Description: BIntMbDv
FORM II: 26. Cell Phone

VARIABLE NAME: Other Technology: Cell Phone

DESCRIPTION: This variable documents whether or not the participant owns a cell phone. Interviewer asks:

Do you own a cell phone?

CHARACTERS: 1

CODES:

0 No
1 Yes
9 Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: A cell phone (mobile phone) is any wireless telephone that operates over a relatively large area. The phone is mobile and can be used inside as well as outside and away from the home.

Magic Jack is NOT considered a cell phone.

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 424
8-Character Description: BCellPhn
VARIABLE NAME: Satisfaction With Life Scale

DESCRIPTION: This variable measures the concept of life satisfaction based on the patient's responses to these five statements.

1. In most ways my life is close to my ideal.
2. The conditions of my life are excellent.
3. I am satisfied with my life.
4. So far I have gotten the important things I want in life.
5. If I could live my life over, I would change almost nothing.

Responses to each of the five statements and the total score are recorded in this variable.

CHARACTERS: 1 for each statement, 5 statements
2 for the total

CODES: Statements

1  Strongly disagree
2  Disagree
3  Slightly disagree
4  Neither agree nor disagree
5  Slightly agree
6  Agree
7  Strongly agree
8  Declined
9  Unknown, interview not done, or respondent is less than 18 yo

Blank (only if Category of Care = “5”)

Total (auto-calculated)

5-35  Valid range

88  At least 1 item is coded 8. Declined

99  Unknown, interview not done, or respondent’s current age is less than 18

Blank (only if Category of Care = “5”)
FORM II:  27-32. Satisfaction with Life Scale
(page 2 of 2)

VARIABLE NAME:  Satisfaction With Life Scale

COMMENTS:  Instructions for administering the scale are:
Ask the patient if he agrees or disagrees with each of the five statements.
Use the 1-7 scale to indicate his agreement with each item.  Instruct the
patient to be open and honest with his responses.
Ask all questions; record each response and the total score.
If the patient does not respond to a question, code that question “8”; if any
item is scored as ‘8’, then the Total Score will be “88”. If no items are ‘8’
and any item is ‘9’, then the Total Score will be ‘99’.
‘Total Score’ is calculated by NSCISC.
Only responses from the patient are acceptable.
Use the unknown code if the patient’s current age is less than 18.

SOURCE:  The Satisfaction with Life Scale, E. Diener, R.A. Emmons, R.J. Larsen
and S. Griffin.

REVISIONS:  November 2012: Added Total Score of ‘88’.
September 1996:  the minimum age rule was added.
February 1996:  individual statements were added to the database.
November 1995:  Total Score was added to the database.

CONVERSION  November 2012: If any Satisfaction With Life Score was coded ‘8. Declined’, then Total Score was converted from 99 to 88.

QC:  If Total Score is 99, then at least one of the items is coded 9 and no items
coded 8.
If Total Score is 88, then at least one of the items is coded 8.

Variable Aliases:  For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>SWLS_1</th>
<th>SWLS_2</th>
<th>SWLS_3</th>
<th>SWLS_4</th>
<th>SWLS_5</th>
<th>SWLS_Tot</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Character Description</td>
<td>BLifSat1</td>
<td>BLifSat2</td>
<td>BLifSat3</td>
<td>BLifSat4</td>
<td>BLifSat5</td>
<td>BLifSatT</td>
</tr>
</tbody>
</table>
FORM II: 33. PHQ- little interest or pleasure

VARIABLE NAME: Patient Health Questionnaire1 - little interest or pleasure

DESCRIPTION: The Patient Health Questionnaire quantifies symptoms of depression. Only the first two items are asked. Interviewer says:

Over the last 2 weeks, how often have you been bothered by little interest or pleasure in doing things?

CHARACTERS: 1

CODES:
0 Not at all
1 Several days
2 More than half the days
3 Nearly every day
7 Declined
9 Unknown, interview not done, respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Only responses from the participant are acceptable. Participants must be at least 18 years old.

Probing and clarifying may include: ‘During the last 2 weeks did you lose interest or pleasure in things you usually enjoy?’ If still unsure, ask ‘Did you have to force yourself to do things?’ You may accept words like: “DON’T CARE”, “NO MOTIVATION”, “WITHDRAWN”.

‘Bothered by…’ is intended to identify how often the participant experiences each PHQ question, not how often the participant is ‘bothered by’ each PHQ question.


REVISIONS: October 2000: this variable was added to the database. Data are required for new Form IIs entered on or after 03/01/2001.

October 2011: Added code ‘Declined’.

November 2012: Added re-phrased questions and words to accept when participant is unclear of meaning (per Phizer/K Kroenke, owner of PHQ).

QC: If the patient’s current age is less than 18, then this variable must be coded “9”.

Date of Interview must be valid.

Variable Aliases: For Data Analysis Only

Variable ID: 392
8-Character Description: BBPHQ1
FORM II: 34. PHQ-2 Down, depressed or hopeless

VARIABLE NAME: Patient Health Questionnaire 2-down, depressed, or hopeless

DESCRIPTION: The Patient Health Questionnaire quantifies symptoms of depression. Only the first two items are asked. Interviewer says:

*Over the last 2 weeks, how often have you been bothered by feeling down, depressed, or hopeless?*

CHARACTERS: 1

CODES:

0 Not at all
1 Several days
2 More than half the days
3 Nearly every day
7 Declined
9 Unknown, interview not done, respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Only responses from the patient are acceptable.

‘Bothered by...’ This is intended to identify how often the participant experiences each PHQ question, not how often the participant is ‘bothered by’ each PHQ question.


REVISIONS: October 2011: Added code ‘Declined’.

October 2000: this variable was added to the database. Data are required for new Form IIIs entered on or after 03/01/2001.

QC: If the patient’s current age is less than 18 then, this variable must be coded “9”.

Date of Interview must be valid.

Variable Aliases: For Data Analysis Only

Variable ID: 393
8-Character Description: BBPHQ2
VARIABLE NAME: Height of the patient

DESCRIPTION: This variable documents the height (in inches) of the participant. Height may be collected and reported by interview or mailed survey. Measurement of the patient is from the top of the head to the tip of the foot. Interviewer asks:

   How tall are you?

CHARACTERS: 3

CODES: 5 - 100 Valid range

999  Unknown, Bilateral amputation, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: Self-reported height is acceptable.
If patient has a bilateral leg amputation, code Height ‘999. Unknown’.

QC:  If Category of Care = 5, Height must = Blank.

REVISIONS: October 2006: This variable was added to the database. Data are required for all Form IIs with Indates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 327
8-Character Description: BHeight
FORM II: 36. Source for Health News/Information

VARIABLE NAME: Sources for Health and Disability News and Information

DESCRIPTION: This variable documents the medium the patient uses to access health and disability news and information. The interviewer asks:

In the past 12 months (if Year 1 since discharge) which of the following has been your primary source for health and disability news and/or information? (read list) Do you use any other sources?

CHARACTERS: 2 for each entry (up to 5 entries)

CODES:
1 Newspaper
2 Television
3 Radio
4 Internet
5 Other print materials (magazines, newsletter, pamphlets, etc)
6 Educational video, DVDs, or CDs
7 Other source(s)
8 Conversations with family or friends
9 Conversations with Health Professionals
88 Not Applicable, no access, pt does not seek news or information
99 Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: Position #1 should list the patient’s primary source for news and information. Document the number of sources the patient uses to access health and disability information. If more than 5 entries are endorsed, ask participant to prioritize the sources.

If the participant accesses a newspaper online, then code as an online source. If the participant is given a paper copy of the online newspaper but does not access it online, then code as newspaper.

A Health Professional is defined as a consultant, Doctor, Nurse or other specially trained individual having certain responsibilities regarding the health of individuals or groups.

Codes 88 and 99 are only allowed in coding position #1. When codes 88 and 99 are entered in to coding position #1, data cannot be entered into the remaining positions.

REVISIONS: October 2011: ‘8. Conversations with family or friends’ and ‘9. Conversations with Health Professionals’ codes were added. These were previously coded as ‘7. Other sources’.

October 2006: This variable was added to the database. Data are required for all patients with Interview Dates on or after 10/01/2006.

CONVERSIONS: October 2011: Previous codes ‘8. N/A’ and ‘9. Unknown’ were converted to 88 and 99, respectively.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>InfoSource1</th>
<th>InfoSource2</th>
<th>InfoSource3</th>
<th>InfoSource4</th>
<th>InfoSource5</th>
</tr>
</thead>
<tbody>
<tr>
<td>421</td>
<td>896</td>
<td>897</td>
<td>898</td>
<td>899</td>
</tr>
</tbody>
</table>

Variable ID: BPrSrIn1, BPrSrIn2, BPrSrIn3, BPrSrIn4, BPrSrIn5

8-character Description

NSCISC: 3/2015 242
FORM II: 37. Self-perceived Health Status

VARIABLE NAME: Self-perceived Health Status

DESCRIPTION: The following question is asked: In General, Would You Say That Your Health Is Excellent, Very Good, Good, Fair or Poor?

This item is question 1 from the Short Form Health Survey (SF-36).

CHARACTERS: 1

CODES:
1 Excellent
2 Very good
3 Good
4 Fair
5 Poor
6 Participant doesn’t know
7 Declined
9 Unknown, Interview not done, Respondent is less than 18 yo

Blank (only if Category of Care = “5”)

COMMENTS: Only responses from the patient are acceptable.

SOURCE: SF-36 Physical and Mental Health Summary Scales. John E. Ware, Jr. Ph.D., Mark Kosinski, M.A., Susan D. Keller, Ph.D. The Health Institute, New England Medical Center, Boston, Massachusetts.

REVISIONS: October 2000: code “8” (Not applicable, respondent’s current age is less than 18) was deleted. Coding rule changed to: code “9” should be used for respondents whose current age is less than 18.

May 1997: the minimum age rule added.

November 1995: this variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 350
8-Character Description: BSPHthSt
FORM II:  38. Rate your health now

VARIABLE NAME: Compared to 1 year ago, how would you rate your health in general now?

DESCRIPTION: This item is question 2 from the Short Form Health Survey (SF-36). Interviewer asks:

Compared to a year ago (If year 1, since discharge), how would you rate your health in general now?

CHARACTERS: 1

CODES:

1 Much better now than one year ago
2 Somewhat better now than one year ago
3 About the same as one year ago
4 Somewhat worse now than one year ago
5 Much worse now than one year ago
6 Participant doesn’t know
7 Declined
9 Unknown, Interview not done, or Respondent’s is less than 18 yo

Blank (only if Category of Care = “5”)

COMMENTS: Only responses from the patient are acceptable.

SOURCE: SF-36 Physical and Mental Health Summary Scales. John E. Ware, Jr. Ph.D., Mark Kosinski, M.A., Susan D. Keller, Ph.D. The Health Institute, New England Medical Center, Boston, Massachusetts.

REVISIONS: October 2000: code “8” (Not applicable, respondent’s current age is less than 18) was deleted. Coding rule changed to: code “9” should be used for respondents whose current age is less than 18

May 1998: this variable was added to the database.

Variable Aliases: For Data Analysis Only

Variable ID: 351
8-Character Description: BSPHthRC
VARIABLE NAME: Pain: Severity of Pain

DESCRIPTION: The following question is asked:

*Using a 0-10 scale with 10 being pain so severe you could not stand it and, 0 being no pain, what has been the usual level of pain over the past 4 weeks?*

CHARACTERS: 2

CODES: 

0 to 10 Valid range

99 Unknown, Interview not done, less than 18 years old

Blank *(only if Category of Care = “5”)*

COMMENTS: If there is more than one pain site, code the worst site.

Only responses from the patient are acceptable.

REVISIONS: October 2000: this variable was added to the database. Data are required for new Form IIs entered on or after 03/01/2001.

QC: If Severity of Pain = “0” then, Pain Interfering with work must = “8” and vice versa. This check applies to records entered into the database after December 2000.

Variable Aliases: For Data Analysis Only

Variable ID: 407

8-Character Description: BPainSev
FORM II: 40. Pain-Interfering with work

VARIABLE NAME: Pain: Interfering With Work

DESCRIPTION: The following question is asked:

During the past 4 weeks, how much did pain interfere with your normal work including both work outside the home and housework (or usual activities)?

CHARACTERS: 1

CODES:

0 Not at all
1 A little bit
2 Moderately
3 Quite a bit
4 Extremely
6 Participant doesn’t know
7 Declined
8 Not applicable, no pain during the past 4 weeks (if Severity of Pain=“00”)
9 Unknown, interview not done, less than 18 years old
Blank (only if Category of Care = “5”)

COMMENTS: Only responses from the patient are acceptable.

If the patient does not do (house)work, ask During the past 4 weeks, how much did pain interfere with your usual activities? Let the patient determine what “usual activities” are.

SOURCE: SF-12 How to Score the SF-12 Physical and Mental Health Summary Scales. John E. Ware, Jr. Ph.D., Mark Kosinski, M.A., Susan D. Keller, Ph.D. The Health Institute, New England Medical Center, Boston, Massachusetts.

REVISIONS: May 1998: this variable was added to the database.

QC: If Severity of Pain = “0” then, Pain Interfering with work must = “8” and vice versa. This QC applies only to records entered into the database after December 2000.

Variable Aliases: For Data Analysis Only

Variable ID: 408
8-Character Description: BPainWrk
VARIABLE NAME: Method of Bladder Management

DESCRIPTION: This variable defines the primary method of bladder management being used at the time of the follow-up interview. Interviewer asks:

What is your primary type of bladder management?

CHARACTERS: 1 for each entry

CODES:

0 None: The patient has a neurogenic bladder but does not follow any established program of bladder management. This includes diapers, pampers, etc.

1 Indwelling urethral catheter: Bladder is emptied by any type of catheter which is maintained through the urethra (Foley).

2 Indwelling catheter after augmentation or continent diversion: Bladder is emptied by any type of catheter which is maintained through the stoma.

Catheter Free With External Collector - The patient voids satisfactorily using any method of reflex stimulation or any form of extrinsic pressure. However, an external collector is utilized to control incontinence.

3 Catheter free with external collector, no sphincterotomy

4 Catheter free with external collector and sphincterotomy

5 Catheter free with external collector, sphincterotomy unknown

6 Catheter free without external collector: The patient voids satisfactorily using any method of reflex stimulation or any form of extrinsic pressure. An external collector is not required in that the patient has developed adequate continence.

Intermittent Catheterization Program (ICP) - The patient empties the bladder by frequent insertion of a urethral catheter in an on-going program of chronic management. Intermittent catheterizations using this technique are done several times a day. This category does not pertain to infrequent periodic catheterizations for the purpose of checking urinary residual. Urinals and diapers are not considered external collectors.

7 ICP only

8 ICP with external collector (condom catheter)

9 ICP after augmentation or continent diversion

10 ICP - external collector, augmentation or continent diversion unknown

11 Conduit: The bladder is drained by any of the surgical techniques using various portions of the intestinal tract that are not categorized as bladder augmentation.
FORM II: 41. Bladder Management

VARIABLE NAME: Method of Bladder Management

CODES:

12 **Suprapubic Cystostomy**: The bladder is drained by any of the surgical techniques using a catheter through a suprapubic orifice.

13 **Normal Micturition** (old code 4): The patient voids satisfactorily without using reflex stimulation or extrinsic bladder pressure voiding techniques. The bladder, however, may or may not have completely normal function.

14 **Other**: All other bladder drainage techniques such as ureterocutaneostomy (pyelostomy), electro-stimulation, electro-magnetic ball valve, detrusor stimulation, sacral implants, conus implants, vesicostomy, ureteral catheterization, etc.

99 **Unknown**

**Blank** *(only if Category of Care = “5”)*

COMMENTS: No attempt should be made to document all the various types of bladder management that may have been used during the anniversary year being reported. Only the management used on the anniversary should be reported.

If a participant uses medication to void and is continent, then code as ’13. Normal’. If a participant uses ICP with a urinal or a diaper, code as 7. ICP.

External collectors are used to control incontinence (i.e., condom cath).

REVISIONS: November 1995: New categories (codes 2, 3, 4, 7, 8 and 9) were added.

CONVERSIONS: November 1995: For records in existence at this time, the following code conversions were made if old data were moved into the new variables:

<table>
<thead>
<tr>
<th>Old Code</th>
<th>Current Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
</tr>
<tr>
<td>7</td>
<td>12</td>
</tr>
<tr>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>9</td>
<td>99</td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 318
8-Character Description: BBldMgMd
FORM II: 42. Change Bladder Management Reason
(page 1 of 2)

VARIABLE NAME: Change in Bladder Management Reason

DESCRIPTION: This variable identifies the reason for the most recent change in bladder management since the Form I or last followed Form II (whichever is most recent). If there was a change in Bladder Management, interviewer asks:

Has your bladder management changed since your last interview (or Form I)? (If yes) what was the reason for the most recent change?

CHARACTERS: 2

CODES:

0   No change from last known bladder management
1   Regained bladder control
2   Completed ICP training
3   Medical complication/condition
4   Physician/nurse recommendation
5   Old method no longer effective
6   Accommodate work
7   Accommodate lifestyle
8   Personal choice
9   Other
77   Participant doesn’t know
99   Unknown, Interview not done

Blank (only if Category of Care = “5”)

COMMENTS: This variable requires review of the previously collected Bladder Management code (most recent: Form I or followed Form II) to verify change.

Change is defined as using a different Bladder Management code from the last known Bladder Management. If there is more than 1 change in Bladder Management, code the most recent reason for change. If there is more than 1 reason for change, code the primary reason as defined by the participant.

When a participant regains all or partial control code as 1) Regained Bladder Control. Code 1 does not require regaining full bladder control.

Personal choice includes 'change due to ease of use'.

If the participant gives multiple reasons but does not specify the primary reason for change, use the order of the codes to identify the primary reason. For example, if a participant says their change was due to medical complications (3) and the old method was no longer effective (5), then use code ‘3 Medical Complications’.
FORM II: 42. Change Bladder Management Reason
(page 2 of 2)

VARIABLE NAME: Change in Bladder Management Reason

REVISION: November 2012: Code ‘0. No Change’ was added (see Conversion).
October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable was converted to ‘99. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

CONVERSION: November 2012: Code ‘1. No change’ was converted to code ‘0. No Change’, and code ‘88. Not applicable’ was converted to code ‘1. Regained bladder control’.

QC:

Variable Aliases: For Data Analysis Only

Variable ID: 1660
8-Character Description: BChBldMg

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VARIABLE NAME: Urinary Tract Infection

DESCRIPTION: This variable identifies the self-reported occurrence of a urinary tract infection requiring treatment with an antibiotic in the past 12 months. Interviewer asks:

In the past 12 months (if Year 1, since discharge), have you had a urinary tract infection (UTI) that required treatment with antibiotics? (If yes) did you have chills or fever?

CHARACTERS: 1

CODES:

0 No
1 Yes, but no chills or fever
2 Yes, with chills or fever
3 Yes, chills or fever unknown
7 Declined, Participant doesn’t know
9 Unknown, Interview not done
Blank (only if Category of Care = 5)

COMMENTS: This variable is self-reported but if the medical record (within the required time frame) contradicts the self-report, code the medical record data. Medical record review is not required.

This is a frequent health condition that can worsen with age and duration of injury. If at least 1 event was with chills and fever, then use code 2.

REVISION: October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable was converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

A similar variable, the Number of Episodes of Chills and Fever (due to UTI) Treated with antibiotics (V216TT), was collected from October 1986 to September 1992. Researchers interested in using this data may contact NSCISC data center.

Variable Aliases: For Data Analysis Only

Variable ID: 1661
8-Character Description: BUTI
FORM II: 44. Pressure Ulcer

VARIABLE NAME: Pressure Ulcer

DESCRIPTION: This variable identifies self-reported occurrence of pressure ulcer(s) in the past 12 months. Interviewer asks:

In the past 12 months (if Year 1 since discharge), have you had a pressure sore with open or broken skin?

CHARACTERS: 1

CODES:  
0 No
1 Yes
7 Declined/Participant doesn’t know
9 Unknown
Blank (only if Category of Care = 5)

COMMENTS: This variable is self-reported but if the medical record (within the required time frame) contradicts the self-report, code the medical record data. Medical record review is not required.

Report pressure ulcers only if the skin is (or has been) open. Do not report Grade 1, which is a redness of the skin (purple blue for dark skin).

Grade 2 involves the epidermal and dermal layers and extends into the adipose tissue. Grade 3 extends through superficial structures and adipose tissue down to and including muscle. Grade 4 is destruction of all soft tissue structures and communication with bone or joint structures.

SOURCE: For more information on pressure ulcer description and treatment, go to http://msktc.washington.edu/sci/factsheets/skincare/

REVISION: October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable was converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Similar data were collected from 1975 to October 2006. Researchers interested in this data may contact the NSCISC data center.

Variable Aliases: For Data Analysis Only

Variable ID: 1662
8-Character Description: BPrUlcer
FORM II: 45. Depression Diagnosis

VARIABLE NAME: Depression Diagnosis

DESCRIPTION: This variable reports the participant’s self-reported diagnosis by a health professional of depression within the past 12 months. Interviewer says:

In the past 12 months (if Year 1 since SCI occurred), have you been told by a health professional that you have depression?

CHARACTERS: 1

CODES:

0 No
1 Yes
7 Declined/Participant doesn’t know
9 Unknown
Blank (only if Category of Care = 5)

COMMENTS: This is collected by self-report only. If medical record contradicts the self-report, code the self-report.

Include major depression and clinical depression. Contact NSCISC to confirm coding of other diagnosis.

Exclude bipolar, adjustment disorder, grief and bereavement.

If a respondent is evasive or vague about answering this question, ask for their best guess.

REVISION: October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable is populated with ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1663
8-Character Description: BDepress
**VARIABLE NAME:** Anxiety Diagnosis

**DESCRIPTION:** This variable reports the participant’s self-reported diagnosis of post-traumatic stress disorder, panic disorder or generalized anxiety disorder within the last 12 months. If more than 1 diagnosis occurred, code the diagnosis that developed first. If it is unknown which diagnosis developed first, use code 4. Interviewer asks:

*In the past 12 months (if Year 1 since SCI occurred), have you been told by a health professional that you have Post-Traumatic Stress Disorder (PTSD), Panic Disorder or Generalized Anxiety Disorder (GAD)?*

**CHARACTERS:** 1

**CODES:**

0  No
1  Yes, Post-traumatic Stress Disorder (PTSD)
2  Yes, Panic Disorder
3  Yes, Generalized Anxiety Disorder (GAD)
4  Multiple diagnoses, first diagnosis unknown
7  Declined/Participant doesn’t know
9  Unknown, Interview not done

**COMMENTS:** This is collected by self-report only. If medical record contradicts the self-report, code the self-report.

If more than 1 diagnosis, code the first disorder diagnosed.

Use code ‘4. Multiple diagnosis’, only if the first diagnosis is not known.

If a respondent is evasive or vague about answering this question, ask for their best guess.

**REVISION:**

October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable is populated with ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 1664
8-Character Description: BAnxiety
FORM II: 47. Diabetes Diagnosis

VARIABLE NAME: Diabetes Diagnosis

DESCRIPTION: This variable identifies the self-reported presence and treatment of diabetes. Interviewer asks:

*Have you been told by a health professional that you have diabetes or high blood sugar? (If yes) do you control it by medication, diet and/or exercise, or no method of control?*

CHARACTERS: 1

CODES:

0  No
1  Yes, controlled by medication *(oral or injection)*
2  Yes, controlled by diet and/or exercise only *(no meds)*
3  Yes, but no method of control is used
4  Yes, but unknown method of control
7  Declined/Participant doesn’t know
9  Unknown

*Blank* *(only if Category of Care = 5)*

COMMENTS: This variable is self-reported but if the medical record contradicts the self-report, code the medical record data. Medical record review is not required.

Use code ‘0. No’ when a participant endorses borderline or pre-diabetes.

Codes are in order of the highest form of control. Use the highest form of control when a participant uses more than one form. For example, when both medication and diet are used to control diabetes, then use code ‘1. Yes, controlled by medication’.

A Health Professional is defined as a consultant, Doctor, Nurse or other specially trained individual having certain responsibilities regarding the health of individuals or groups.

REVISION: October 2011: Variable was added to the database and is required for records with Indates on or after 10/1/2011. This variable is populated with ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1665
8-Character Description: BDiabete
FORM II: 48. Smoking

VARIABLE NAME: Smoking

DESCRIPTION: This variable documents how often the participant currently smokes cigarettes. Interviewer asks:

_Do you smoke cigarettes every day, some days, or not at all?_

CHARACTERS: 1

CODES:

0 Not At All
1 Some Days
2 Everyday
7 Declined/Participant doesn’t know
9 Unknown, less than 16 years old/interview not done
Blank (only if Category of Care = “5”)

COMMENTS: Document only cigarette smoking. This does not include cigars or smokeless tobacco.

Data collectors should note the difference in the order of responses when comparing codes versus the question. The question asks ‘Do you smoke cigarettes every day, some days, or not at all’ which is the opposite order than the codes: Not at all, Some days, or Everyday. For comparative research reasons, ask the question in the order it is stated in the question so it will match the established survey.

Use the unknown code if the participant’s current age is less than 16.


REVISION: October 2011: Variable was added to the database and is required for is populated with converted to ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1666

8-Character Description: BSmoking
~This page left blank intentionally ~
VARIABLE NAME: Rehospitalizations – Number of Days Rehospitalized

DESCRIPTION: This variable documents the number of days rehospitalized for up to 8 rehospitalizations. Document all rehospitalizations in all hospitals (i.e., system and non-system) that occurred during the previous 12 months with respect to the date of the interview. Interviewer asks:

Have you been hospitalized in the last 12 months (if Year 1 since discharge)?

CHARACTERS: 3 for each Number of Days (up to 8 entries, in coding positions 1 through 8)

CODES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None (Valid only in coding position #1 only)</td>
</tr>
<tr>
<td>1-887</td>
<td>Valid range</td>
</tr>
<tr>
<td>888</td>
<td>Yes, number of days unknown</td>
</tr>
</tbody>
</table>
| 999  | Unknown (Valid in coding position #1 only)
| Blank| (only if Category of Care = “5”)         |

COMMENTS: Custodial admissions (i.e. nursing home stays) are not considered rehospitalizations. If prescribed short term nursing home stay after a medical event (like flap surgery), code the nursing home stay as part of the medical event.

It is mandatory to enter a code in coding position #1. When the code of 0 or 999 for days is entered in coding position #1, no codes are allowed in coding positions #2 through #8 (for records entered after 3/2001).

If 8 or more rehospitalizations occur, then add the days for all rehospitalizations over #7 and report those days in coding position #8.

The interviewer must ask the patient for this information. If the patient has been rehospitalized within the System, verify the number of days rehospitalized, reason, and the dates of admission and discharge are within the data collection time frame (within the last 12 months). To calculate the number of days hospitalized, subtract the admit date from the discharge date, for example if admit date is May 1 and discharge date is May 5, then the number of days hospitalized is 4.

If, during a follow-up year, the patient remains rehospitalized past his anniversary date:

For those variables to be documented "at the time of the annual physical examination", code the information obtained on the date of the annual physical examination.

However, all variables documenting events occurring "during the anniversary year being reported" should include all events up until the completion of the rehospitalization.

The Number of Days Rehospitalized may be greater than 365 days.
VARIABLE NAME: Rehospitalizations – Number of Days Rehospitalized

SOFTWARE: When code 0 is entered in Number of Days Rehospitalized: Reason for Rehospitalization = 88, Total Hospitalizations = 0 and Total Days = 0 are auto-filled.

When code 999 is entered in Number of Days Rehospitalized: Reason for Rehospitalization = 99, Total Hospitalizations = 9 and Total Days = 9 are auto-filled.

REVISIONS: January 2014: Verify dates, reason and length of stay when rehospitalizations occur within the System.

October 2000: This variable was added to the database.

QC: If Number of Days Rehospitalized = 999 then Reasons for Rehospitalization = 99.

Coding position #1 criteria applies to records entered after March 1, 2001.

DATA CONVERSION: Records entered before October 2001 were converted:

If total # hospitalizations = 0 (total days hospitalized=000), then position1=000 and Reason1=88.

If total # hospitalizations = 1 (total days hospitalized=20), then position1=020 and Reason1=99.

If total # hospitalizations = 2 (>1), (total days hospitalized=41), then position1 and 2 = 888 and Reason1 and 2 =99.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Days_1</th>
<th>Days_2</th>
<th>Days_3</th>
<th>Days_4</th>
<th>Days_5</th>
<th>Days_6</th>
<th>Days_7</th>
<th>Days_8+</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Character Description</td>
<td>BRhspDa1</td>
<td>BRhspDa2</td>
<td>BRhspDa3</td>
<td>BRhspDa4</td>
<td>BRhspDa5</td>
<td>BRhspDa6</td>
<td>BRhspDa7</td>
<td>BRhspDa8</td>
</tr>
</tbody>
</table>
FORM II: 49R. Rehospitalizations-Reason

VARIABLE NAME: Rehospitalizations- Primary Reason

DESCRIPTION: This variable documents the reason for rehospitalization for up to 8 rehospitalizations. Document all reasons for rehospitalizations in all hospitals (i.e., system and non-system) that occurred during the previous 12 months with respect to the date of the interview. Do not record any reasons for custodial admissions (i.e. nursing home stays) in this variable. If 8 or more rehospitalizations occur, report the primary reason for the longest of the rehospitalizations over #7 in coding position #8.

CHARACTERS: 2 for each Reason (up to 8 entries, in coding positions 1 through 8).

CODES: See next page.

COMMENTS: It is mandatory to enter a code in coding position #1. When the code of 88 for reason is entered in coding position #1, no codes are allowed in coding positions #2 through #8.

The interviewer must ask the patient for this information. If the patient has been rehospitalized, within the System, verify the number of days rehospitalized, reason, and the dates of admission and discharge are within the data collection time frame (within the last 12 months).

If, during a follow-up year, the patient remains rehospitalized past his anniversary date:

- For those variables to be documented "at the time of the annual physical examination", code the information obtained on the date of the annual physical examination.

However,

- All variables documenting events occurring "during the anniversary year being reported" should include all events up until the completion of the rehospitalization.

If there are multiple reasons for a hospitalization, code the primary reason. If a participant is septic due to a UTI, then code the UTI (10) not the septicemia. If the removal of pin from a broken arm is due to infection, code as surgical complication (16).
**FORM II: 49R. Rehospitalizations-Reason**

VARIABLE NAME: Rehospitalizations – Primary Reason

<table>
<thead>
<tr>
<th>CODE</th>
<th>PRIMARY REASON FOR REHOSPITALIZATION</th>
<th>ICD9 Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Infectious and parasitic diseases, including AIDS</td>
<td>0-139</td>
</tr>
<tr>
<td>02</td>
<td>Cancer</td>
<td>140-239</td>
</tr>
<tr>
<td>03</td>
<td>Endocrine, nutritional and metabolic diseases and immunity disorders</td>
<td>240-279</td>
</tr>
<tr>
<td>04</td>
<td>Diseases of blood and blood-forming organs</td>
<td>280-289</td>
</tr>
<tr>
<td>05</td>
<td>Mental disorders, including alcohol and drug-related problems</td>
<td>290-319</td>
</tr>
<tr>
<td>06</td>
<td>Disease of nervous system and sense organs</td>
<td>320-389</td>
</tr>
<tr>
<td>07</td>
<td>Diseases of the circulatory system, including heart disease, hypertension, pulmonary embolus, cerebrovascular disease, and diseases of arteries and veins</td>
<td>390-459</td>
</tr>
<tr>
<td>08</td>
<td>Diseases of respiratory system</td>
<td>460-519</td>
</tr>
<tr>
<td>09</td>
<td>Disease of digestive system, including oral cavity, salivary glands, esophagus, stomach, duodenum, appendicitis, abdominal hernia, noninfectious enteritis and colitis, other disease of the intestine, peritoneum, liver and gall bladder</td>
<td>520-579</td>
</tr>
<tr>
<td>10</td>
<td>Diseases of genitourinary system, including renal, urethral, ureteral, and bladder stones and conditions, urinary tract infections, diseases of the prostate, orchitis/epididymitis, disorders of genital organs, disorders of the breast and female pelvic organs</td>
<td>580-629</td>
</tr>
<tr>
<td>11</td>
<td>Uncomplicated childbirth or complications of pregnancy, childbirth and the puerperium</td>
<td>630-676</td>
</tr>
<tr>
<td>12</td>
<td>Diseases of skin and subcutaneous tissue, including pressure sores</td>
<td>680-709</td>
</tr>
<tr>
<td>13</td>
<td>Diseases of musculoskeletal system and connective tissue, including arthropathies, arthritis, ankyllosing spondylitis, intervertebral disc disorders, rheumatism, osteopathies and acquired musculoskeletal deformities</td>
<td>710-739</td>
</tr>
<tr>
<td>14</td>
<td>Congenital anomalies</td>
<td>740-759</td>
</tr>
<tr>
<td>15</td>
<td>Symptoms and ill-defined conditions, includes cases for which no specific diagnosis can be made; transient symptoms of undetermined nature or symptoms that point with equal suspicion to two or more disease or body systems without final determination being made.</td>
<td>780-799</td>
</tr>
<tr>
<td>16</td>
<td>Injuries and poisoning, regardless of intention (can be accidental or attempted suicide or homicide), including complications of surgical and medical care and any external cause such as temperature, drowning, radiation, toxic products or environment, fire or trauma</td>
<td>800-999</td>
</tr>
<tr>
<td>17</td>
<td>Other unclassified (e.g. baclofen pump)</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Inpatient rehab services only</td>
<td></td>
</tr>
<tr>
<td>88</td>
<td>Not applicable, no rehospitalizations <em>(Valid only in coding position #1)</em></td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Blank</td>
<td><em>(only if Category of Care = &quot;5&quot;)</em></td>
<td></td>
</tr>
</tbody>
</table>
VARIABLE NAME: Rehospitalizations – Primary Reason

SOFTWARE: When code 0 is entered in Number of Days Rehospitalized: Reason for Rehospitalization = 88, Total Hospitalizations = 0 and Total Days = 0 are calculated by NSCISC.

When code 999 is entered in Number of Days Rehospitalized: Reason for Rehospitalization = 99, Total Hospitalizations = 9 and Total Days = 9 are calculated by NSCISC.

REVISIONS: January 2014: Verify dates, reason and length of stay when rehospitalizations occur within the System.

October 2000: This variable was added to the database. Data are required for new Form IIIs entered on or after 03/01/2001.

EXAMPLE 1: The subject was not hospitalized at all during the follow-up year being reported.

Rehospitalizations #1 #2 #3 #4 #5 #6 #7 8+
D. Number of Days .....................000
R. Reason...............................88
Number of Rehospitalization(s)..........................0
Number of Days Rehospitalized..........................000

EXAMPLE 2: The subject was hospitalized 3 times during the follow-up year being reported. The first hospitalization was for drug abuse problems and lasted 30 days. The second hospitalization was for 5 days due to hypertension and the third hospitalization was for 3 days for renal stones.

Rehospitalizations #1 #2 #3 #4 #5 #6 #7 8+
D. Number of Days .....................030 005 003
R. Reason...............................05 07 10
Number of Rehospitalization(s)..........................3
Number of Days Rehospitalized..........................038

Variable Aliases: For Data Analysis Only

| Variable ID | Reason_1 | Reason_2 | Reason_3 | Reason_4 | Reason_5 | Reason_6 | Reason_7 | Reason_8+
|-------------|----------|----------|----------|----------|----------|----------|----------|----------
|             | 330      | 332      | 334      | 336      | 338      | 340      | 342      | 344      
| 8-Character Description | BRhspRs1 | BRhspRs2 | BRhspRs3 | BRhspRs4 | BRhspRs5 | BRhspRs6 | BRhspRs7 | BRhspRs8 |
VARIABLE NAME: Number of Rehospitalizations - Total

DESCRIPTION: This variable documents the number of planned and unplanned, system and non-system hospital admissions occurring during the previous 12 months with respect to the date of the interview.

For the year 01 Form II only:

- the year 01 Form II documents only rehospitalizations occurring in the interval between the discharge from the initial System inpatient hospital stay to the Interview Date.

All subsequent Form IIs document rehospitalizations occurring during the previous 12 months.

Do not include the initial System hospitalization or hospitalizations preceding the initial admission into the System.

Do not record any custodial admissions (i.e. nursing home stays) in this variable.

This variable is calculated by the NSCISC’s software.

CHARACTERS: 1

CODES:

0 None
1 One
2 Two
3 Three
4 Four
5 Five
6 Six
7 More than six

8 Rehospitalized, number unknown This is a CONVERSION CODE ONLY. 
Data collectors may NOT use this code. This information is provided for data analyses purposes only

9 Unknown

Blank (only if Category of Care = “5”)
FORM II: 50. Number of Rehospitalizations – Total
(Page 2 of 2)

VARIABLE NAME: Number of Rehospitalizations - Total

COMMENTS: If, during a follow-up year, the patient remains rehospitalized past his anniversary date:

◊ For those variables to be documented "at the time of the annual physical examination", code the information obtained on the date of the annual physical examination.

However,

◊ All variables documenting events occurring "during the anniversary year being reported" should include all events up until the completion of the rehospitalization.

SOFTWARE: The software calculates this variable by adding the number of positions coded in the Rehospitalizations variables (both Number of Days and Reason). If more than 6 positions are coded in the Rehospitalizations variables, then Number of Rehospitalizations = “7”.
This variable will auto-calculate.

Variable Aliases: For Data Analysis Only

Variable ID: 345
8-Character Description: BRhspNbr
VARIABLE NAME: Number of Days Rehospitalized - Total

DESCRIPTION: This variable records the total days rehospitalized (planned and unplanned days) in all hospitals (i.e., system and non-system) during the previous 12 months (if Year 1 since discharge) with respect to the date of the interview. This variable is calculated by the NSCISC’s software.

CHARACTERS: 3

CODES:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>1 - 887</td>
<td>Valid range</td>
</tr>
<tr>
<td>888</td>
<td>Yes, number of days unknown</td>
</tr>
<tr>
<td>999</td>
<td>Unknown</td>
</tr>
<tr>
<td>Blank</td>
<td>(only if Category of Care = “5”)</td>
</tr>
</tbody>
</table>

COMMENTS: If, during a follow-up year, the patient remains rehospitalized past his anniversary date:

- For those variables to be documented "at the time of the annual physical examination", code the information obtained on the date of the annual physical examination.

However,

- All variables documenting events occurring "during the anniversary year being reported" should include all events up until the completion of the rehospitalization.

The Number of Days Hospitalized may be greater than 365 days.

SOFTWARE: The software calculates this variable by adding the values in coding positions 1 through 8 of the Rehospitalizations-Number of Days variable. This variable will auto-calculate.

Note: in order to retain the data converted from the old Rehospitalization Days variable, this function is disabled for Form IIs with an Indate prior to 10/01/2001.

Variable Aliases: For Data Analysis Only

Variable ID: 346

8-Character Description: BRHspDaT
**FORM II: 52. Veterans Services**

**VARIABLE NAME:** Veteran Services

**DESCRIPTION:** This variable identifies the participant’s use of Veteran Administration health care services. The interviewer asks:

*Are you a veteran? (If yes) have you received any health care services at a VA medical system since* (the most recent: date of last Known FORM II or since SCI onset)?

**CHARACTERS:** 1

**CODES:**

0  No services, but participant is a Veteran
1  Yes
8  N/A, Not a veteran
9  Unknown, Interview not done

**Blank**  (only if Category of Care = “5”)

**COMMENTS:** When asking the patient this question, the interviewer will need to cue the patient concerning the appropriate time period. For example, if data are being collected for year 10 and the patient has Form IIIs for years 5 and 1 but VA Services was unknown in year 5, the interviewer should ask for services received since year 1.

A veteran is a person who had served active duty in any branch of the United States Armed Forces. A reservist who never served on active duty (“serving” means more than just training time) is NOT considered a veteran.

A reservist who is (1) “called up” to active duty or is (2) engaged in active duty military training and is hurt or injured during that period is considered a veteran.

Active duty military personnel who concludes his or her career with time in the reserves is considered a veteran.

**REVISIONS:**

October 2011: This variable was modified by collapsing codes into None/Yes codes.

October 2000: this variable was added to the database. Data are required for records entered on or after 11/1/2000.

**CONVERSION:**

October 2011: Previous data were collapsed from differentiated types of services (1. Pharmacy; 2. Prosthetics, orthotics, wheelchairs; 3. SCI center; 4. Non-SCI center; and 5. SCI outpatient clinic). All types of service were converted to ‘1. Yes’. Codes 0, 8 and 9 did not change meaning.

**EXAMPLE:** The patient completed a year 1 Form II follow-up. He was coded “lost” on his year 5 Form II. At Year 10, he is interviewed and he says he was treated in the VA SCI center during his third year post-injury. He is coded Veteran Services - ‘1. Yes’ because this variable’s look-back is since the onset of SCI or last known Form II (whichever is most recent).

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 320

**8-Character Description:** BVASSUs1
VARIABLE NAME: Primary Payer

DESCRIPTION: This variable documents the current primary payer for health care. This care includes hospitalization, outpatient medical and rehabilitation services, vocational rehabilitation, education, training, equipment, medications and supplies, attendant care and custodial care. It does not include income maintenance. The interviewer asks:

*What is your primary health insurance?* (Read list)

CHARACTERS: 2

CODES:

1. **Private Insurance** *(includes ‘no-fault’, BCBS, United Health, etc)*
2. **Medicare**
3. **Medicaid**
4. **Worker’s Compensation**
5. **Veterans Administration**
6. **Other Government** *(e.g. Bureau of Indian Affairs; Crippled Children’s Services; Dept. of Vocational Rehab)*
7. **No Pay** *(indigent, no resources)*
8. **Private funds** *(e.g., self-pay; hometown fund raisers)*
9. **Other, unclassified** *(e.g., SCI system patient care funds, TRICARE; Champus; Homebound, victim’s assistance funds, etc.)*

77. **Declined/Participant doesn’t know**
99. **Unknown, Interview not done**

Blank *(only if Category of Care = “5”)*

COMMENTS: ‘Primary’ is defined as who pays first, following the Centers For Medicare & Medicaid Services ‘Medicare and Other Health Benefits: Your Guide to Who Pays First’.

Medicare is primary whether the person has Medicaid, private insurance or other insurance whereas Medicaid is always the secondary payer (unless the person has Charity care).

If a participant has Workers Comp and Medicare and uses Workers Comp for SCI visits, then code Workers Comp.

REVISION: October 2011: Variable was added back to the database and is required for records entered on or after 10/01/2011.
VARIABLE NAME: Primary Payer

CONVERSION: October 2011: This variable was collected using similar codes from October 1986 to October 2006. The following table includes all code conversions. This variable is populated with ‘99. Unknown’ for all Followed (not Lost) Form IIs between October 1, 2006 and October 1, 2011.

Prior to 1987, 5 types of insurance (positions) were allowed. After 1987, coding position #1 was designated for the Primary Sponsor. For most records in existence at that time, all codes were moved down one position and the unknown code (“99”) was inserted in coding position #1. At that time, there were no records containing codes for 5 sponsors.

<table>
<thead>
<tr>
<th>Previous Codes</th>
<th>New Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Private Insurance</td>
<td>1 Private Insurance</td>
</tr>
<tr>
<td>02 Department of Vocational Rehab (DVR)</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>03 Medicaid [including Medicaid administered by</td>
<td>3 Medicaid</td>
</tr>
<tr>
<td>another sponsor (e.g. an HMO)</td>
<td></td>
</tr>
<tr>
<td>04 Worker's Compensation</td>
<td>4 Worker’s Compensation</td>
</tr>
<tr>
<td>05 Medicare [including Medicare administered by</td>
<td>2 Medicare</td>
</tr>
<tr>
<td>another sponsor (e.g. an HMO)</td>
<td></td>
</tr>
<tr>
<td>06 County medical</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>07 Self-pay - personal funds</td>
<td>8 Private funds</td>
</tr>
<tr>
<td>08 Veterans Administration</td>
<td>5 Veterans Administration</td>
</tr>
<tr>
<td>09 Public Health Service (e.g., Bureau of Indian</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>Affairs)</td>
<td></td>
</tr>
<tr>
<td>10 Crippled Children's Service</td>
<td>6 Other Government</td>
</tr>
<tr>
<td>11 No Pay (indigent, no resources)</td>
<td>7 No Pay</td>
</tr>
<tr>
<td>12 Other insurance, unclassified: includes</td>
<td>9 Other, unclassified</td>
</tr>
<tr>
<td>Champus/Tricare</td>
<td></td>
</tr>
<tr>
<td>13 Other private funds (e.g., hometown fund raisers)</td>
<td>8 Private funds</td>
</tr>
<tr>
<td>14 Prepaid health plans: includes HMOs, PPOs,</td>
<td>1 Private Insurance</td>
</tr>
<tr>
<td>Kaiser Foundation, etc.</td>
<td></td>
</tr>
<tr>
<td>15 Other, unclassified (e.g., SCI system patient</td>
<td>9 Other, unclassified</td>
</tr>
<tr>
<td>care funds, Homebound, victim's assistance funds,</td>
<td></td>
</tr>
<tr>
<td>etc.)</td>
<td></td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

Variable ID: 1658
8-Character Description: BPrimPay
VARIABLE NAME: Alcohol Rate AUDIT-C

DESCRIPTION: This variable categorizes the number of times a participant drank alcohol during the past 12 months (if Year 1 since discharge). Participant must be 18 years or older. Interviewer says:

Now I am going to ask you some questions about your use of alcoholic beverages during this past 12 months. Because alcohol use can affect many areas of health and may interfere with certain medications, it is important to know how much you usually drink. Please try to be as honest and as accurate as you can be. Remember, anything you share with us is confidential and you may refuse to answer any question. In the last 12 months (if Year 1 since discharge), how often did you have a drink containing alcohol?

CHARACTERS: 1

CODES: 0 Never
1 Once a month or less
2 2 to 4 times a month
3 2 to 3 times a week
4 4 or more times a week
7 Declined, Participant doesn’t know
9 Unknown, interview not done/under 18 years
Blank (only if Category of Care = “5”)

COMMENTS: According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

If needed, clarify that one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine. Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.


REVISION: October 2011: Variable was added to the database and is required for interviews on or after 10/01/2011. Similar data using a different time frame was collected from March 2001 to October 2011. Researchers interested in this data may contact the NSCISC data center. This variable is populated with ‘9, Unknown’ for all Followed (not Lost) Form IIs prior to October 1, 2011.

Variable Aliases: For Data Analysis Only
Variable ID: 1667
8-Character Description: BAlcRate
FORM II: 55. Alcohol Number of Drinks

VARIABLE NAME: Alcohol Number of Drinks AUDIT-C

DESCRIPTION: This variable categorizes the number of alcoholic drinks a participant has on a typical day when drinking. Ask only if participant is 18 years or older. Interviewer asks:

In the last 12 months (if Year 1 since discharge), how many drinks containing alcohol did you have on a typical day when you were drinking?

CHARACTERS: 1

CODES:
0 None
1 1 or 2
2 3 or 4
3 5 or 6
4 7 to 9
5 10 or more
7 Declined/ Participant doesn’t know
9 Unknown, interview not done/under 18

Blank (only if Category of Care = “5”)

 COMMENTS: According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

If needed, clarify that one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine.

Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.

REVISION: October 2011: Variable was added to the database and is required for records entered on or after 10/01/2011. Similar data using a different time frame was collected from March 2001 to October 2011. Researchers interested in this data may contact the NSCISC data center. This variable is populated with ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1668
8-Character Description: BAlcNbDr
FORM II: 56. Alcohol 6 or More

VARIABLE NAME: Alcohol 6 or More AUDIT-C

DESCRIPTION: This variable categorizes the number of times a participant drank six or more alcoholic drinks during the past 12 months. Ask only if participant is 18 years or older. Interviewer asks:

In the last 12 months (if Year 1 since discharge), how often did you have six or more drinks on one occasion?

CHARACTERS: 1

CODES:
0 Never
1 Less than monthly
2 Monthly
3 Weekly
4 Daily or almost daily
7 Declined, Participant doesn’t know
9 Unknown, interview not done, under 18
Blank (only if Category of Care = “5”)

COMMENTS: According to the AUDIT-C manual, “If responses are ambiguous or evasive, continue asking for clarification by repeating the question and the response options, asking the patient to choose the best one. At times answers are difficult to record because the patient may not drink on a regular basis. For example, if the patient was drinking excessively during the month before an accident, but not prior to that time, then it will be difficult to characterize the “typical” drinking sought by the question. In these cases it is best to record the amount of drinking and related symptoms for the heaviest drinking period in the past year, making note of the fact that this may be atypical or transitory for that individual”.

If needed, clarify that one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine.

Alcoholic beverages include beer, whisky, vodka, wine, wine coolers, etc.

REVISION: October 2011: Variable was added to the database and is required for records entered on or after 10/01/2011. Similar data using a different time frame was collected from March 2001 to October 2011. Researchers interested in this data may contact the NSCISC data center. This variable is populated with ‘9. Unknown’ for all Followed (not Lost) Form IIs entered prior to October 1, 2011.

Variable Aliases: For Data Analysis Only

Variable ID: 1669
8-Character Description: BAlc6Mor
VARIABLE NAME: The Craig Handicap Assessment and Reporting Technique, Short Form (CHART-SF)

DESCRIPTION: The Craig Handicap Assessment and Reporting Technique (CHART) is a widely used questionnaire useful in measuring societal participation for persons with disabilities. The goal of CHART-SF (Short Form) was to develop a shorter questionnaire that would reproduce all the CHART subscales with at least 90% accuracy. CHART-SF includes 17 items from the original 37 question CHART, and the addition of three summary variables in the Social Integration sub-scale.

In addition to the 20 individual items, the CHART-SF includes 6 dimensions of handicap: 1) physical independence, 2) cognitive independence, 3) mobility, 4) occupation, 5) social integration, and 6) economic self-sufficiency. A Total CHART score is also documented.

For the purposes of this database, 15 individual items were selected from the 20-item CHART-SF and includes the following dimensions of handicap: 1) physical independence, 2) mobility, 3) occupation, and 4) social integration. No Total CHART score will be calculated.

The NSCISC calculates the dimension totals. Decimals in dimension totals (Occupational and Social Integration) are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).

COMMENTS: Use the unknown code in all CHART items if the respondent’s current age is less than 18 or if the interview was not done.

If the patient is coded “lost” (Category of Care = “5”) then, leave all variables after Reason for Lost blank.


REVISIONS: October 2006: CHART-SF was scaled back from 20 to 15 items. The cognitive independence and economic self-sufficiency dimensions of handicap were deleted leaving only those items that are related to the remaining 4 dimensions: physical independence, mobility, occupation, and social integration. Total CHART Score was deleted.

October 2000: Changed to Short Form and added Cognitive Independence items.

September 1996: Rule for the minimum age was added.

November 1995: This variable was added to the database.
FORM II:  57 & 58. CHART- Physical Independence: Hours of Assistance

VARIABLE NAME: CHART - Physical Independence: Hours of Assistance Per Day

DESCRIPTION: The following question is asked:

How many hours in a typical 24-hour day do you have someone with you to provide physical assistance for personal care activities such as eating, bathing, dressing, toileting and mobility?

Document:

A. Number of hours of paid assistance and
B. Number of hours of unpaid assistance (family, others)

CHARACTERS: 2 for each entry

CODES:

0 No assistance
1 to 24 Valid range
99 Unknown, interview not done, or respondent is less than 18
Blank (only if Category of Care = “5”)

COMMENTS: If a person has a disability that would typically result in a high level of dependency, and indicates no attendant care is used, probe this a bit further. The respondent may not understand that assistance with dressing grooming, bowel and bladder care, etc. is to be considered attendant care.

Participants residing in nursing homes, long term care (LTC) and hospitals with attendants available 24 hours a day are coded as 24. Participant residing in a group living situation code the actual hours reported. Unpaid assistance does not include availability of attendant care, only the physical care received.

When counting hours of paid attendance, include time spent waiting to complete the listed activities. For example, if a hired caregiver is present in the person’s home to do a bowel program. After they insert a suppository, they may have to wait an hour before completing the bowel evacuation. In that time, they may perform some housekeeping duties, but their “purpose” for being there is to do personal hands-on care.

If an individual has various hours of assistance on different days of the week ask the respondent to estimate the total number of hours of assistance per week, then divide that number by 7 to come up with a daily estimate.

Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).


Variable Aliases: For Data Analysis Only

Paid Assistance Unpaid Assistance
Variable ID: 373 Variable ID: 374
8-Character Description: BCHHrsPd 8-Character Description: BCHHrUpd
FORM II: 59. CHART- Mobility: Hours out of Bed/Day

VARIABLE NAME: CHART: Mobility - Hours out of Bed/Day?

DESCRIPTION: The following question is asked:

   On a typical day, how many hours are you out of bed?

CHARACTERS: 2

CODES:  
0 to 24  Valid range
99  Unknown, interview not done, or respondent is less than 18
Blank  (only if Category of Care = “5”)

COMMENTS: Probe if participant is unsure: “What time do you get up out of bed and then go back to bed?”

Naps in bed count as being in bed, but naps in chairs do not.

Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).

Use the unknown code in all CHART items if the respondent’s current age is less than 18 or if the interview was not done.


Variable Aliases: For Data Analysis Only

Variable ID: 375
8-Character Description: BCHHrBed
VARIABLE NAME: CHART: Mobility – Days out of House/week?

DESCRIPTION: The following question is asked:

*In a typical week, how many days do you get out of your house and go somewhere?*

CHARACTERS: 1

CODES: 0 to 7  Valid range

9  Unknown, interview not done, or respondent is less than 18

Blank  (only if Category of Care = “5”)

COMMENTS: The responses to this question may vary according to season, weather, etc. For example, many people are out daily in the summer, but only one or two days a week in the winter. Ask the respondent to use his/her judgment, based on the climate in which he/she lives, to estimate the average number of days out per week throughout the year.

Being out of the house and going somewhere means that the person leaves his/her own "property". Being out in the garden or yard does not qualify as "going somewhere".

Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).


Variable Aliases: For Data Analysis Only

Variable ID: 376

8-Character Description: BCHDaHse
FORM II: 61. CHART - Mobility: Nights away from home

VARIABLE NAME: CHART: Mobility - Nights away from home

DESCRIPTION: The following question is asked:
In the last year (if Year 1 since discharge), how many nights have you spent away from your home (excluding hospitalizations)?

CHARACTERS: 1

CODES:
0 None
1 1-2 nights
3 3-4 nights
5 5 or more nights
9 Unknown, interview not done, or respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Any night spent away from a person's usual sleeping environment is considered a night away from home. Visiting family or friends and spending the night at someone else's house, therefore, is a night away from home.

For the year 1 interview, ask “Since discharge, how many nights have you spent away from your home (excluding hospitalizations)?”

Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).


Variable Aliases: For Data Analysis Only

Variable ID: 377
8-Character Description: BCHNtsHm
VARIABLE NAME: CHART: Occupation - Hours/week at Paid Job?

DESCRIPTION: The following question is asked:

*How many hours per week do you spend working in a job for which you get paid?*

CHARACTERS: 2

CODES:

- **0 to 98** Valid range
- **99** Unknown, interview not done, or respondent is less than 18
- **Blank** (only if Category of Care = “5”)

COMMENTS: Respondents must be working in jobs for which they are paid in order to get points for this question. If a person is working but not getting paid, consider this voluntary activity and do not include in this variable. If a person is working and getting paid under the table, or working and not paying taxes (not legally employed), those hours do NOT count.

Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).


Variable Aliases: For Data Analysis Only

Variable ID: 378
8-Character Description: BCHHrJob
FORM II:  63. CHART- Occupation: School/Study

VARIABLE NAME:  CHART: Occupation - Hours/week School/Study

DESCRIPTION:  The following question is asked:

    How many hours per week do you spend in school working toward
    a degree or in an accredited technical training program?  (Include
    hours in class and studying)

CHARACTERS:  2

CODES:

    0 to 98   Valid range
    99   Unknown, interview not done, or respondent is less than 18

Blank   (only if Category of Care = “5”)  

COMMENTS:  Decimals for the first hour are rounded up if 15 or more minutes, all
subsequent hours are rounded normally (i.e., if less than .5 round down,
and if .5 or more round up to integer).

SOURCE:  Guide for the Use of CHART, the Craig Hospital Research Department,

Variable Aliases:  For Data Analysis Only

Variable ID:  379
8-Character Description: BCHHrSch
VARIABLE NAME: The CHART: Occupation - Hours/week Homemaking

DESCRIPTION: The following question is asked:

How many hours per week do you spend in active homemaking including parenting, housekeeping, and food preparation?

CHARACTERS: 2

CODES:

0 to 98 Valid range

99 Unknown, interview not done, or respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Active homemaking, parenting, housekeeping, etc. is exactly what it means. Being at home with the children at night with everyone asleep is not considered "active" parenting. Helping children with homework, playing with them or supervising their play, however, are considered “active” parenting.

In addition "active" can imply supervising housework and food preparation. If someone is developing the household menus, arranging for housework to be done, or overseeing other individuals performing those activities, there is active involvement; therefore, count the time spent in these planning/supervising activities. However, don't credit someone with doing (for example) eight hours of yard work, if his/her only "active" involvement was arranging and instructing the work needing to be done. This "active" role might, in fact, take an hour, so credit for 1 hour is appropriate.

Do not duplicate responses in the CHART Homemaking, Home Maintenance, and Recreation categories. For example, if someone "plays" with the children and considers it sports or exercise, as well as active parenting, that individual can only receive credit in one category. In another example, a person who gardens as a hobby may describe spending 20 hours a week in home maintenance, then states that gardening is a hobby. When in doubt, allow the respondent to choose the category which best describes an activity.

See Policy for the rules on rounding fractions of an hour.

FORM II:  65. CHART- Occupation: Maintenance

VARIABLE NAME:  The CHART: Occupation – Hours/week of Maintenance

DESCRIPTION:  The following question is asked:

   How many hours per week do you spend in home maintenance activities such as gardening, house repairs or home improvement?

CHARACTERS:  2

CODES:  0 to 98  Valid range

99  Unknown, interview not done, or respondent is less than 18

Blank  (only if Category of Care = “5”)

COMMENTS:  Hours spent in active home maintenance may vary with season and with weather.  Use same logic employed in the CHART variable Days out of the house in estimating hours.

   See Policy for the rules on rounding fractions of an hour.


Variable Aliases:  For Data Analysis Only

Variable ID:  381
8-Character Description: BCHHrHMt
FORM II: 66. CHART - Occupation: Recreation

VARIABLE NAME: The CHART: Occupation - Hours/week of Recreation

DESCRIPTION: The following question is asked:

*How many hours per week do you spend in recreational activities such as sports, exercise, playing cards, or going to movies?*

Please do not include time spent watching TV or listening to the radio.

CHARACTERS: 2

CODES:

0 to 98 Valid range

99 Unknown, interview not done, or respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Decimals for the first hour are rounded up if 15 or more minutes, all subsequent hours are rounded normally (i.e., if less than .5 round down, and if .5 or more round up to integer).

Recreational activities are determined by the participant and may include hobbies, reading, blogging and/or playing games online.


Variable Aliases: For Data Analysis Only

Variable ID: 382

8-Character Description: BCHHrRec
FORM II: 67. CHART-Social Integration: Live with spouse/significant other

VARIABLE NAME: The CHART: Social Integration – Live with spouse/significant other

DESCRIPTION: The following question is asked:

Do you live with your spouse or significant other, or partner?

CHARACTERS: 1

CODES:

0 No (does not live with significant other/partner or unrelated roommate or attendant)
1 Lives with a spouse or significant other/partner
2 Lives with unrelated roommate and/or attendant
8 Not applicable, lives alone
9 Unknown, interview not done, or respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: “Live with” applies to the sharing of “private space” (i.e. a bedroom, kitchen, etc.).

If the patient lives in a group home (i.e. nursing home, dormitory, etc.),
ask: “How many roommates do you share your room with?”

QC: If the CHART variable “Do you live with a spouse or significant other?”
= ‘8’ (lives alone), then CHART variable “How many are relatives?”
must = “88” (lives alone).

SOURCE: Guide for the Use of CHART, the Craig Hospital Research Department,

Variable Aliases: For Data Analysis Only

Variable ID: 383
8-Character Description: BCHSpsOt
FORM II:  68. CHART- Social Integration: How many are relatives

VARIABLE NAME: The CHART: Social Integration – With Whom Do You Spend Your Time?

DESCRIPTION: The following question is asked:

Of the people you live with how many (others) are relatives?

CHARACTERS: 2

CODES:

0  None are relatives
1 to 87  Valid range
88  Not applicable, lives alone
99  Unknown, interview not done, or respondent is less than 18 Blank  (only if Category of Care = “5”)

COMMENTS: "Live with" applies to the sharing of "private spaces" (e.g., a bedroom, kitchen, etc.). Do not include the person counted in the CHART variable “Do you live with a spouse/significant other”. In-laws and parents of a significant other are considered relatives (especially if the respondent considers them as such)

QC: If the CHART variable “Do you live with a spouse or significant other?” = ‘8’ (lives alone), then CHART variable “How many are relatives?” must = “88” (lives alone).


Variable Aliases: For Data Analysis Only

Variable ID: 384
8-Character Description: BCHReltv
FORM II: 69. CHART: Social Integration: Business Contacts

VARIABLE NAME: CHART: Social Integration –Business Contact/month

DESCRIPTION: The following question is asked:

How many business or organizational associates do you visit, phone, or write to at least once a month?

CHARACTERS: 2

CODES:  
0 None
1 to 9 Valid range
10 Ten or more
99 Unknown, interview not done, or respondent is less than 18
Blank (only if Category of Care = “5”)

COMMENTS: For CHART variables “Number of Business Contacts”, “Number of Friends Contacted”, and “Stranger Initiated Conversation” remember to count the number of people contacted, not the actual number of times a person is contacted. For example, someone may talk with a particular business associate on a daily basis -- that is considered one contact, not five (typical working day of the week).

Emailing counts as “writing”. Social media, like Twitter and Face Book, are included only if there is personal back and forth communication. Posting to a social media outlet is not included.

Don't worry about getting exact counts of business associates if a person indicates "lots" or "dozens" of people are contacted.

Again, be careful that you don't double count people in different categories.

Emailing counts as a source of contact.


Variable Aliases: For Data Analysis Only

Variable ID: 385
8-Character Description: BCHConBs
FORM II: 70. CHART- Social Integration: Contacts with friends

VARIABLE NAME: The CHART: Social Integration – Number of Contacts/month with friends

DESCRIPTION: The following question is asked:

How many friends (non-relatives contacted outside business or organizational settings) do you visit, phone, or write to at least once a month?

CHARACTERS: 1

CODES:

0  None
1 to 4  One to four
5  Five or more
9  Unknown, interview not done, or respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: Emailing counts as a source of contact. Social media, like Twitter and Face Book, are included only if there is personal back and forth communication. Posting to a social media outlet is not included.


Variable Aliases: For Data Analysis Only

Variable ID: 386

8-Character Description: BCHConFr
FORM II: 71. CHART- Social Integration: Conversation with Stranger

VARIABLE NAME: CHART: Social Integration – Stranger initiated conversation/month

DESCRIPTION: The following question is asked:

With how many strangers have you initiated a conversation in the last month (for example to ask information or place an order)?

CHARACTERS: 1

CODES:
0 None
1 1-2
3 3-5
6 6 or more
9 Unknown, interview not done, or respondent is less than 18
Blank (only if Category of Care = “5”)

COMMENTS: Emailing counts as “initiating a conversation”.


Variable Aliases: For Data Analysis Only

Variable ID: 387
8-Character Description: BCHStrCv
FORM II: 72. CHART-Physical Independence Total

VARIABLE NAME: CHART: Physical Independence Total

DESCRIPTION: This variable is computed using the data from the following CHART variables: “Number hours of Paid Assistance per day” and “Number of hours of Unpaid assistance per day”.

This variable is calculated by NSCISC

CHARACTERS: 3

CODES: 0 to 100 Valid range

999 Unknown, Interview not done

Respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: A score of 100 indicates no handicap in an individual's ability to sustain a customarily effective independent existence. The need for regular or periodic assistance for activities, which used to be performed independently, is indicative of some degree of handicap.

SOFTWARE: This variable auto-calculates.

The formula used is:

CHART: Physical Independence Total = 100 – 4*(CHART: Paid Assistance + CHART: Unpaid Assistance)

If 4*(CHART: Paid Assistance + CHART: Unpaid Assistance) greater than 100, then CHART: Physical Independence Total = 0

If CHART: Paid Assistance = 99 or CHART: Unpaid Assistance = 99, then CHART: Physical Independence Total = 999

If CHART: Paid Assistance = blank or CHART: Unpaid Assistance = blank, then CHART: Physical Independence Total = blank.

**FORM II: 73. CHART-Mobility Total**

**VARIABLE NAME:** CHART: Mobility Total

**DESCRIPTION:** This variable is calculated using the data from the following CHART variables: “Number of Hours out of Bed/Day”, “Number of days out of House/week?”, and “Nights away from home in last year?”. This variable is calculated by NSCISC

**CHARACTERS:** 3

**CODES:**
- **0 to 100**  Valid range
- **999**  Unknown, Interview not done
- **Respondent is less than 18**
- **Blank**  (only if Category of Care = “5”)

**COMMENTS:** A score of 100 indicates no handicap in an individual’s ability to move about effectively in his/her surroundings.

**SOFTWARE:** This variable auto-calculates.

The formula is:

If CHART: “Nights away from home in last year” = 0, then CHART: Mobility Total = 3*(CHART: Number hours out of bed/day) + 7*(CHART: Number of days out of house/week)

If CHART: “Nights away from home in last year” = 1, then CHART: Mobility Total = 10 + 3*(CHART: Number hours out of bed/day) + 7*(CHART: Number of days out of house/week)

If CHART: “Nights away from home in last year” = 3, then CHART: Mobility Total = 15 + 3*(CHART: Number hours out of bed/day) + 7*(CHART: Number of days out of house/week)

If CHART: “Nights away from home in last year” = 5, then CHART: Mobility Total = 20 + 3*(CHART: Number hours out of bed/day) + 7*(CHART: Number of days out of house/week)

If CHART: Mobility Total greater than 100, then CHART: Mobility Total = 100

If CHART: Number hours out of bed/day = 99 or CHART: Number of days out of house/week = 9 or CHART: “Nights away from home in last year” = 9, then CHART: Mobility Total = 999

If CHART: Number hours out of bed/day = blank or CHART: Number of days out of house/week = blank or CHART: “Nights away from home in last year” = blank then, CHART: Mobility Total = blank


**Variable Aliases:** For Data Analysis Only

Variable ID: 389

8-Character Description: BCHMbTot
VARIABLE NAME: The CHART: Occupation Total

DESCRIPTION: This variable is computed using the data from the following CHART variables: “Hours/week at Paid Job”, “Hours/week at School/Study”, “Hours/week at Homemaking”, “Hours/week at Maintenance”, and “Hours/week at Recreation”.

This variable is calculated by NSCISC

CHARACTERS: 3

CODES: 0 to 100 Valid range

999 Unknown, Interview not done

Respondent is less than 18

Blank (only if Category of Care = “5”)

COMMENTS: A score of 100 indicates no handicap in an individual's ability to occupy time in the manner customary to that person's sex, age, and culture.

SOFTWARE: This variable auto-calculates. Decimals are rounded normally (i.e., if less than .5 round down, and if .5 or more round up).

The formula is:

\[
\text{CHART: Occupational Total} = 2.5 \times (\text{CHART: Hours/week at Paid Job} + \text{CHART: Hours/week at School/Study} + \text{CHART: Hours/week at Homemaking} + \text{CHART: Hours/week at Maintenance}) + 1.25 \times (\text{CHART: Hours/week at Recreation})
\]

If \(2.5 \times (\text{CHART: Hours/week at Paid Job} + \text{CHART: Hours/week at School/Study} + \text{CHART: Hours/week at Homemaking} + \text{CHART: Hours/week at Maintenance}) + 1.25 \times (\text{CHART: Hours/week at Recreation})\) greater than 100, then CHART: Occupational Total = 100

If CHART: Hours/week at Paid Job = 99 or CHART: Hours/week at School/Study = 99 or CHART: Hours/week at Homemaking = 99 or CHART: Hours/week at Maintenance = 99, or CHART: Hours/week at Recreation = 99, then CHART: Occupational Total = 999

If CHART: Hours/week at Paid Job = blank or CHART: Hours/week at School/Study = blank or CHART: Hours/week at Homemaking = blank or CHART: Hours/week at Maintenance = blank or CHART: Hours/week at Recreation = blank then, CHART: Occupational Total = blank


Variable Aliases: For Data Analysis Only

Variable ID: 390

8-Character Description: BCHOpTot
FORM II: 75. CHART-Social Integration Total
(page 1 of 2)

VARIABLE NAME: The CHART: Social Integration Total

DESCRIPTION: This variable is computed using the data from the following CHART variables: “Live with a spouse/significant other”, “How many are relatives”, “Number of Business/Organizational contacts/month”, “Number of Contact/month with Friends”, and “Stranger initiated contacts/month”. This variable is calculated by NSCISC

CHARACTERS: 3

CODES:
- 0 to 100 Valid range
- 999 Unknown, Interview not done,
  Respondent is less than 18
- Blank (only if Category of Care = “5 ”)

COMMENTS: A score of 100 indicates no handicap in an individual's ability to participate in and maintain customary social relationships. This variable auto-calculates. Decimals are rounded normally (i.e., if less than .5 round down, and if .5 or more round up).
FORM II: 75. CHART-Social Integration Total
(page 2 of 2)

VARIABLE NAME: The CHART: Social Integration Total

SOFTWARE: The formula is:

\[ \text{CHART: Social Integration Total} = A + B + C + D + E, \]

where

\[ A = 0 \]

Else: If \( \text{CHART: Live with Spouse/significant other} = 1 \), then \( A = 38 \)

Else: If \( \text{CHART: Live with Spouse/significant other} = 2 \), then \( A = 25 \)

\[ B = 6 \times (\text{CHART: How many are relatives}) \]

Else: If \( \text{CHART: How many are relatives} = 88 \), then \( B = 0 \)

\[ C = 0 \]

Else: If \( \text{CHART: Stranger Initiated Contact} = 1 \), then \( C = 15 \)

Else: If \( \text{CHART: Stranger Initiated Contact} = 3 \), then \( C = 23 \)

Else: If \( \text{CHART: Stranger Initiated Contact} = 6 \), then \( C = 30 \)

\[ D = 2.5 \times (\text{CHART: Number of Business/Organization Contacts}) \]

Else: If \( 2.5 \times (\text{CHART: Number of Business/Organization Contacts}) \) greater than 25, then \( D = 25 \)

\[ E = 13 \times (\text{CHART: Number of Contacts/month with Friends}) \]

Else: If \( 13 \times (\text{CHART: Number of Contacts/month with Friends}) \) greater than 65, then \( E = 65 \)

Else: If \( A + B + C + D + E \) greater than 100, then \( \text{CHART: Social Integration Total} = 100 \)

Else: If \( \text{CHART: Live with Spouse/significant other} = 9 \) or \( \text{CHART: How many are relatives} = 99 \) or \( \text{CHART: Number of Business/Organization Contacts} = 99 \) or \( \text{CHART: Number of Contacts/month with Friends} = 9 \) or \( \text{CHART: Stranger Initiated Contact} = 9 \), then \( \text{CHART: Social Integration Total} = 999 \)

Else: If \( \text{CHART: Live with Spouse/significant other} = \) blank or \( \text{CHART: How many are relatives} = \) blank or \( \text{CHART: Number of Business/Organization Contacts} = \) blank or \( \text{CHART: Number of Contacts/month with Friends} = \) blank or \( \text{CHART: Stranger Initiated Contact} = \) blank then, \( \text{CHART: Social Integration Total} = \) blank.


Variable Aliases: For Data Analysis Only

Variable ID: 391
8-Character Description: BCHSocIn
FORM II:  76. Wheelchair/Scooter Use

VARIABLE NAME: Wheelchair or Scooter Use

DESCRIPTION: This variable documents whether or not the participant is a wheelchair or scooter user on a regular basis. Interviewer asks:

Do you use a wheelchair or scooter over 40 hours a week?

CHARACTERS: 1

CODES

0  No
1  Yes
9  Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: If the participant uses a wheelchair or scooter LESS than 40 hours per week, code this variable 0 (No).

QC:

IF Wheelchair/Scooter Use = 0 THEN Type of Wheelchair/Scooter = 8
IF Wheelchair/Scooter Use = 9 THEN Type of Wheelchair/Scooter= 9

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 417
8-Character Description: BWCSUse
FORM II: 77. Type of Wheelchair/Scooter

VARIABLE NAME: Type of Wheelchair or Scooter Used Most Often

DESCRIPTION: This variable documents the type of wheelchair or scooter documented in the Wheelchair/Scooter Use variable. The following question is asked:

What type of wheelchair (or scooter) do you use most often?

CHARACTERS: 1

CODES

1 Manual Wheelchair - Propelled by the individual without assistance from motors. Includes lever drive or one arm drive chairs.

2 Power Wheelchair - Generally controlled by a joystick and the force needed to go forward comes entirely from battery power.

3 Power Assist Wheelchair - Receives some force from the user and some force from the motor. In general these wheelchairs appear like a manual wheelchair; however, they have motors that respond to a push on the pushrim and provide extra force to the push.

4 Scooter

7 Other (e.g., a golf cart)

8 Not applicable (Wheelchair/Scooter Use = 0)

9 Unknown, Interview not done

Blank (only if Category of Care = “5”)

COMMENTS: If more than one type is used, code the one used most often.

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 418
8-Character Description: BWCSType
FORM II:  78. Ambulation-Walk150

VARIABLE NAME:  Ambulation – Walk 150 feet in your home

DESCRIPTION:  This variable asks the participant the following question regarding ambulation:

Are you able to walk (with or without mobility aid) for 150 feet in your home?

CHARACTERS:  1

CODES:  
0  No
1  Yes
9  Unknown, Interview not done
Blank (only if Category of Care = “5”)  

COMMENTS:  Code the participant’s typical ambulation, not temporary situations. Data collectors may confirm the participant is not ambulatory and code Ambulation questions (Walk 150, Street Block and Stairs) as No.

REVISIONS:  October 2011: Previous data required Mobility Aids to be coded 8 or 9 if all three Ambulation questions were coded 0 or 9 (respectively). This limited the collection of mobility aids data. This QC was removed for all Form IIs entered on or after October 1, 2011.

April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases:  For Data Analysis Only

Variable ID: 409
8-Character Description: BWlk150
FORM II: 79. Ambulation - one street block

VARIABLE NAME: Ambulation - Walk one street block

DESCRIPTION: This variable asks the participant the following question regarding ambulation:

Are you able to walk (with or without mobility aid) for one street block outside?

CHARACTERS: 1

CODES:
0  No
1  Yes
9  Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: Code the participant’s typical ambulation, not temporary situations.

REVISIONS: October 2011: Previous data required Mobility Aids to be coded 8 or 9 if all three Ambulation questions were coded 0 or 9 (respectively). This limited the collection of mobility aids data. This QC was removed for all Form IIs entered on or after October 1, 2011.

April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 410
8-Character Description: BWlkBlck
FORM II: 80. Ambulation - one flight of stairs

VARIABLE NAME: Ambulation – one flight of stairs

DESCRIPTION: This variable asks the participant the following question regarding ambulation:

Are you able to walk (with or without mobility aid) up one flight of steps?

CHARACTERS: 1

CODES:

0 No
1 Yes
9 Unknown, Interview not done
Blank (only if Category of Care = “5”)

COMMENTS: If a participant uses his arms to pull himself up the stairs, and does not step up the stairs, code this as 0 No.

Code the participant’s typical ambulation, not temporary situations.

REVISIONS: October 2011: Previous data required Mobility Aids to be coded 8 or 9 if all three Ambulation questions were coded 0 or 9 (respectively). This limited the collection of mobility aids data. This QC was removed for all Form IIs entered on or after October 1, 2011.

April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 411
8-Character Description: BWlkStps
VARIABLE NAME: Mobility Aid(s)

DESCRIPTION: This variable documents the type of mobility aid the participant uses. Interviewer says:

Tell me which of the following mobility aids you currently use most often. (read list). Do you use any others?

CHARACTERS: 2 for each entry, up to 5 entries

CODES:
0 None
1 Straight cane
2 Quad cane
3 Walker
4 Crutches
5 Ankle-Foot-Orthotic (AFO, short leg brace)
6 Knee-Ankle-Foot-Orthotic (KAFO, long leg brace)
7 Other
8 Not applicable, participant does not ambulate
9 Unknown or interview not done

Blank (only if Category of Care = “5”)

COMMENTS: Go through the entire list of all mobility aids during the interview. Code up to 5 mobility aids.

If the mobility aid is not used for its intended purpose, then do not code (i.e., a walker used for balance while changing clothes but not used while walking would not be coded as Mobility Aid).

QC: If Mobility Aid(s) position 1 = 0, 8 or 9, Mobility Aid(s) entries 2 through 5 must = blank.

SOFTWARE: If position 1 of Mobility Aid(s) = 0, 8 or 9 the software advances to Wheelchair or Scooter Use.

REVISIONS: October 2011: Prior to October 1, 2011, when codes 0 or 9 were entered in Ambulation: Walk 150 feet in your home, Walk one street block outside and Walk up one flight of stairs, the software inserted code ‘8. Not Applicable’ in position 1 of Mobility Aids. This QC was disabled on October 1, 2011, to allow mobility aid codes for partial ambulators.

April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>MobAid_1</th>
<th>MobAid_2</th>
<th>MobAid_3</th>
<th>MobAid_4</th>
<th>MobAid_5</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-character Description</td>
<td>BMobAid1</td>
<td>BMobAid2</td>
<td>BMobAid3</td>
<td>BMobAid4</td>
<td>BMobAid5</td>
</tr>
</tbody>
</table>
FORM II:  82. Modified Vehicle

VARIABLE NAME: Modified Vehicle

DESCRIPTION: This variable documents the type of modified vehicle the participant or his/her family owns. The interviewer asks:

What type of modified vehicle do you (or your family) own? (read list)

CHARACTERS: 1

CODES:

0  No, does not own a modified vehicle
1  Car (includes SUVs)
2  Van
3  Other (e.g. modified truck or motorcycle)
4  Combination (car and van; van and other; car and other)
9  Unknown or interview not done

Blank (only if Category of Care = “5”)

COMMENTS: “Family” refers to those who do or do not live with the participant.

Any type of lift or hand control (include portable devices) on the mode of transportation will qualify as a modified vehicle. A VPG MV-1 is coded as a van. A modified motorcycle is coded as 3. Other.

QC: If the Modified Vehicle variable = 0 then, Driving Modified Vehicle must = 8.

If the Modified Vehicle variable = 9 then, Driving Modified Vehicle must = 9.

REVISIONS: March 2005: Code 4 (Combination) was added.

April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 422
8-Character Description: BModVhcl
FORM II: 83. Driving Modified Vehicle

VARIABLE NAME: Driving the Modified Vehicle

DESCRIPTION: This variable documents whether or not the participant drives the modified vehicle documented in the Modified Vehicle variable. The following question is asked:

Do you drive the modified vehicle?

CHARACTERS: 1

CODES:

0 No
1 Yes, I drive it from my wheelchair
2 Yes, I drive it, but not from a wheelchair
8 Not applicable, does not own a modified vehicle
9 Unknown or interview not done
Blank (only if Category of Care = “5”)

QC: If Modified Vehicle variable = 0 then, Driving Modified Vehicle must = 8.
If Modified Vehicle variable = 9 then, Driving Modified Vehicle must = 9.

REVISIONS: April 2004: This variable was added to the database. Data are required for all interviews completed after April 1, 2004.

Variable Aliases: For Data Analysis Only

Variable ID: 423
8-Character Description: BDrvModV
VARIABLE NAME: Functional Independence Measure (FIM) - Items A through M and T

DESCRIPTION: This variable assesses severity of disability through measurement of the most common and useful functional assessment items. Only the thirteen motor assessment items (A through M) and the Motor Subtotal Score (S) are documented. FIM data may be collected by phone or in person but not self-administered by the participant.

Data are collected on the anniversary date being reported.

CHARACTERS: 1 for each FIM item
2 for each Total Motor Score

CODES:
9 Unknown
◊ missing or unknown data
◊ the subject is under the age of 6
◊ evaluation/interview not done

INDEPENDENT (NO HELPER): Another person is not required for the activity.

7 Complete Independence – The subject safely performs all the tasks described as making up the activity within a reasonable amount of time, and does so without modification, assistive devices, or aids.

6 Modified Independence - One or more of the following may be true: the activity requires an assistive device, the activity takes more than reasonable time, or the activity involves safety (risk) considerations.

DEPENDENT (REQUIRES HELPER): Subject requires another person for either supervision or physical assistance in order for the activity, or it is not performed.

MODIFIED DEPENDENCE - The subject expends half (50%) or more of the effort. The levels of assistance required are defined below:

5 Supervision or Setup – The subject requires no more help than standby, cueing or coaxing, without physical contact; alternately, the helper sets up needed items or applies orthoses or assistive/adaptive devices.

4 Minimal Contact Assistance – The subject requires no more help than touching, and expends 75% or more of the effort.

3 Moderate Assistance – The subject requires more help than touching, or expends between 50 and 74% of the effort.
VARIABLE NAME: Functional Independence Measure (FIM) - Items A through M and T

CODES (cont’d):

COMPLETE DEPENDENCE - The subject expends less than half (less than 50%) of the effort. Maximal or total assistance is required. The levels of assistance required are defined below:

2 Maximal Assistance – The subject expends between 25 and 49% of the effort.

1 Total Assistance – The subject expends less than 25% of the effort or subject cannot be rated due to physical or cognitive limitations and a helper performs the activity for the patient

Blank (only if Category of Care = “5”)

COMMENTS:

Use the Uniform Data System's (UDS) training materials to train the persons who document this information. Training manuals are available (for a fee) from the UDS for non-UDS subscribers. Also, use the UDS FIM Decision Tree (see Appendix A of this syllabus) to assist with Form II assessments conducted by telephone where the clinician was not able to directly observe the respondent’s behavior.

When the participant is in a temporary situation which limits his typical activities and that situation is expected to be resolved, code his typical activities. For example, if a participant has a cast that impairs activities, and the participant is expected to return to his typical activity level after the cast is removed, code his typical activity level prior to the temporary situation. If return to typical function is unknown, code participant’s current activity level.

A self-administered FIM is not acceptable (when the patient fills out the FIM section of the interview either in clinic or sent in the mail).

It is acceptable to administer the FIM over the phone.

Record the number which best describes the respondent’s level of function for each FIM item on the coding form. If the subject does not perform an activity during the observation period due to physical or cognitive limitations (e.g., a cast or IV line) and, a helper performs the activity for the subject, use code “1”. If the subject does not perform an activity during the observation period and, a helper does not perform the activity for the subject, use code “1”.
VARIABLE NAME: Functional Independence Measure (FIM) - Items A through M and T

SOURCE: Uniform Data System for Medical Rehabilitation.

QC:

REVISIONS: April 2010: Removed the use of ‘0’ for tub/shower transfers and added a comment for coding during a temporary situation.

January 2002: UDS changes on Form II for the interviews performed on or after March 1, 2002.

October 2000: FIM on Form II no longer required in annual year 2.

July 1998: The FIM (motor items and total motor score only) required in all the Extended data years (i.e., years 1, 2, 5, 10, 15, 20, 25). Between January and July 1998 the FIM was not required after year 2. Therefore, many Form IIs entered during that time have unknown codes in the FIM.

January 1998: The FIM required only in annual years 1 and 2 and, all Communication and Social Cognition items (items N, NM, O, OM, P, Q and R) were deleted.

November 1995: The FIM on Form II was added to the database. Data for all FIM items, in all the Extended data years (i.e., years 1, 2, 5, 10, 15, 20, 25) were expected in Form IIs with Indates between 02/01/1996 and 01/31/98.

The following is a list of all items included in this variable:

**SELF CARE**
A. Eating
B. Grooming
C. Bathing
D. Dressing - Upper body
E. Dressing - Lower body
F. Toileting

**SPHINCTER CONTROL**
G. Bladder Management
H. Bowel Management

**MOBILITY (TRANSFER)**
I. Bed, Chair, Wheelchair
J. Toilet
K. Tub, Shower

**LOCOMOTION**
L. Walking or Wheelchair
LM. Mode of Locomotion
M. Stairs

**TOTAL**
T. Total Motor Score
VARIABLE NAME: Functional Independence Measure (FIM) - Self Care: Eating

DESCRIPTION: Includes the ability to use suitable utensils to bring food to the mouth, as well as the ability to chew and swallow the food once the meal is presented in the customary manner on a table or tray. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:
9 Unknown, Interview not done, Less than 6 years old

NO HELPER
7 Complete independence – The subject eats from a dish while managing a variety of food consistencies, and drinks from a cup or glass with the meal presented in the customary manner on a table or tray. The subject opens containers, butters bread, cuts meat, pours liquids and uses a spoon or fork to bring food to the mouth, where it is chewed and swallowed. The subject performs this activity safely.

6 Modified independence – Performance of the activity involves safety considerations, or the subject requires an adaptive or assistive device such as a long straw, spork or rocking knife; requires more than a reasonable amount of time to eat; or requires modified food consistency or blenderized food. If the subject relies on other means of alimentation, such as parenteral or gastrostomy feedings, then (s)he self-administers the feedings.

HELPER
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of orthoses or assistive/adaptive devices), or another person is required to open containers, butter bread, cut meat, or pour liquids.

4 Minimal contact assistance – The subject performs 75% or more of eating tasks.

3 Moderate assistance – The subject performs 50% to 74% of eating tasks.

2 Maximal assistance – The subject performs 25% to 49% of eating tasks.

1 Total assistance – The subject performs less than 25% of eating tasks, or the subject relies on parenteral or gastrostomy feedings (either wholly or partially) and does not administer self-administer the feedings; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

Variable Aliases: For Data Analysis Only

Variable ID: 352
8-Character Description: BFIMEatg

FORM II: 84A. FIM-Self Care: Eating
FORM II: 84B. FIM-Self Care: Grooming

VARIABLE NAME: Functional Independence Measure (FIM) - Self Care: Grooming

DESCRIPTION: Includes oral care, hair grooming (combing or brushing hair), washing the hands*, washing the face*, and either shaving the face or applying makeup. If the subject neither shaves nor applies make-up, Grooming includes only the first four tasks. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence – The subject cleans teeth or dentures, combs or brushes hair, washes the hands*, washes the face, and either shaves the face or applies make-up, including all preparations. The subject performs this activity safely.

6 Modified independence - The subject requires specialized equipment (including prosthesis or orthosis) to perform grooming activities, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of orthoses or adapted/assistive devices, setting out grooming equipment, and initial preparation such as applying toothpaste to toothbrush and opening make-up containers).

4 Minimal contact assistance - The subject performs 75% or more of grooming tasks.

3 Moderate assistance - The subject performs 50% to 74% of grooming tasks.

2 Maximal assistance - The subject performs 25% to 49% of grooming tasks.

1 Total assistance - The subject performs less than 25% of grooming tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: Assess only the activities listed in the definition. Grooming does not include flossing teeth, shampooing the hair, applying deodorant, or shaving legs. If the subject is bald or chooses not to shave or apply make-up, do not access those activities.

Use code ‘1’ if activity does not occur.

* including rinsing and drying.

Variable Aliases: For Data Analysis Only

Variable ID: 353

8-Character Description: BFIMGrmg
VARIABLE NAME: Functional Independence Measure (FIM) - Self Care: Bathing

DESCRIPTION: Includes washing, rinsing and drying the body from the neck down (excluding the neck and back) in either a tub or shower or sponge/bed bath. The patient performs the activity safely.

CHARACTERS: 1 for each entry

CODES:

- 9  Unknown, Interview not done, Less than 6 years old

NO HELPER

7  Complete independence – The subject safely bathes (washes, rinses and dries) the body.

6  Modified independence – The subject requires specialized equipment (including prosthesis or orthosis) to bathe, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5  Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of assistive/adaptive devices, setting out bathing equipment, and initial preparation such as preparing the water or washing materials).

4  Minimal contact assistance - The subject performs 75% or more of bathing tasks.

3  Moderate assistance - The subject performs 50% to 74% of bathing tasks.

2  Maximal assistance - The subject performs 25% to 49% of bathing tasks.

1  Total assistance - The subject performs less than 25% of bathing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: There are ten body parts included in this activity, each accounting for 10% of the total: chest, left arm, right arm, abdomen, perineal area, buttocks, left upper leg, right upper leg, left lower leg (including foot) and right lower leg (including foot).

Use code ‘1’ if activity does not occur.

Variable Aliases: For Data Analysis Only

Variable ID: 354
8-Character Description: BFIMBthg
FORM II: 84D. FIM-Self Care: Dressing, Upper Body

VARIABLE NAME: Functional Independence Measure (FIM) - Self Care: Dressing, Upper Body

DESCRIPTION: Includes dressing and undressing above the waist, as well as applying and removing prosthesis or orthosis when applicable. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence - The subject dresses and undresses self. This includes obtaining clothes from their customary places (such as drawers and closets) and may include managing a bra, pullover garment, front-opening garment, zippers, buttons, or snaps, as well as the application and removal of a prosthesis or orthosis (which is not used as an assistive device for upper body dressing) when applicable. The subject performs this activity safely.

6 Modified independence - The subject requires special adaptive closure such as Velcro® Fastener, or an assistive device (including a prosthesis or orthosis) to dress, or takes more than a reasonable amount of time.

HELPER

5 Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of an upper body or limb orthosis/prosthesis, application of an assistive/adaptive device, or setting out clothes or dressing equipment).

4 Minimal contact assistance - The subject performs 75% or more of dressing tasks.

3 Moderate assistance - The subject performs 50% to 74% of dressing tasks.

2 Maximal assistance - The subject performs 25% to 49% of dressing tasks.

1 Total assistance - The subject performs less than 25% of dressing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: When assessing dressing and undressing, the subject must use clothing that is appropriate to wear in public.

Use code ‘1’ if activity does not occur.

Variable Aliases: For Data Analysis Only

Variable ID: 355

8-Character Description: BFIMDrUp
**FORM II: 84E. FIM-Self Care: Dressing, Lower Body**

**VARIABLE NAME:** Functional Independence Measure (FIM) - Self Care: Dressing, Lower Body

**DESCRIPTION:** Includes dressing and undressing from the waist down, as well as applying and removing a prosthesis or orthosis when applicable. The subject performs this activity safely.

**CHARACTERS:** 1 for each entry

**CODES:**

- **9** Unknown, Interview not done, Less than 6 years old
- **7** Complete independence – The subject dresses and undresses safely. This includes obtaining clothes from their customary places (such as drawers and closets), and may also include managing underpants, slacks, skirt, belt, stockings, shoes, zippers, buttons, and snaps as well as the application and removal of a prosthesis or orthosis (which is not used as an assistive device for lower body dressing) when applicable.
- **6** Modified independence - The subject requires special adaptive closure such as Velcro® Fastener, or an assistive device (including a prosthesis or orthosis) to dress, or takes more than a reasonable amount of time.

**HELPER**

- **5** Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of a lower body or limb orthosis/prosthesis, application of an assistive/adaptive device or setting out clothes or dressing equipment).
- **4** Minimal contact assistance - The subject performs 75% or more of dressing tasks.
- **3** Moderate assistance - The subject performs 50% to 74% of dressing tasks.
- **2** Maximal assistance - The subject performs 25% to 49% of dressing tasks.
- **1** Total assistance - The subject performs less than 25% of dressing tasks or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

**Blank** (only if Category of Care = “5”)

**COMMENTS:** When assessing dressing and undressing, the subject must use clothing that is appropriate to wear in public

Use code ‘1’ if activity does not occur.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 356

8-Character Description: BFIMDrLo
FORM II: 84F. FIM-Self Care: Toileting

VARIABLE NAME: Functional Independence Measure (FIM) - Self Care: Toileting

DESCRIPTION: Includes maintaining perineal hygiene and adjusting clothing before and after toilet, bedpan, or urinal. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:
9 Unknown, Interview not done, Less than 6 years old

NO HELPER
7 Complete independence – The subject safely cleanses self after voiding and bowel movements and safely adjusts clothing before and after using toilet or bedpan.
6 Modified independence - The subject requires specialized equipment (including prosthesis or orthosis) during toileting, or takes more than a reasonable amount of time, or there are safety considerations.

HELPER
5 Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (application of adaptive devices or opening packages).
4 Minimal contact assistance - The subject performs 75% or more of toileting tasks.
3 Moderate assistance - The subject performs 50% to 74% of toileting tasks.
2 Maximal assistance - The subject performs 25% to 49% of toileting tasks.
1 Total assistance - The subject performs less than 25% of toileting tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

Variable Aliases: For Data Analysis Only

Variable ID: 357
8-Character Description: BFIMTItg
VARIABLE NAME: Functional Independence Measure (FIM) - Sphincter Control: Bladder Management

DESCRIPTION: Bladder Management consists of two function modifiers (Level of Assistance and Frequency of Accidents). After these two function modifiers are scored, record the lower (more dependent) score in FIM item G.

FUNCTION MODIFIER #1: Bladder Management - Level of Assistance

DESCRIPTION: This is the first function modifier used to determine Sphincter Control: Bladder Management. It includes the safe use of equipment or agents for bladder management.

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence – The subject controls bladder completely and intentionally without equipment or devices, and is never incontinent (no accidents).

6 Modified independence - The subject requires a urinal, bedpan, catheter, absorbent pad, diaper, urinary collecting device, or urinary diversion or uses medication for control. If catheter is used, the subject cleans, sterilizes, and sets up the equipment for irrigation without assistance. If the subject uses a device, (s)he assembles and applies an external catheter with drainage bags or an ileal appliance without assistance of another person; the subject also empties, puts on, removes, and cleans leg bag or empties and cleans ileal appliance bag. The subject has no accidents.

HELPER

5 Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (placing or emptying) of equipment to maintain a satisfactory voiding pattern or an external device.

4 Minimal contact assistance - The subject requires minimal contact assistance to maintain an external device, and performs 75% or more of bladder management tasks.

3 Moderate assistance - The subject requires moderate assistance to maintain an external device, and performs 50% to 74% of bladder management tasks.

2 Maximal assistance - The subject performs 25% to 49% of bladder management tasks.

1 Total assistance - The subject performs less than 25% of bladder management tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)
FUNCTION MODIFIER #1 (cont’d):

Bladder Management - Level of Assistance

COMMENTS: The functional goal of bladder management is to open the urinary sphincter only when needed and to keep it closed the rest of the time. This may require devices, medications (agents), or assistance in some subjects. This item deals with the level of assistance required to complete bladder management tasks. If the subject does not void (e.g., subject has renal failure and is on hemodialysis), then code level 7 – Complete Independence.

A separate function modifier, Bladder Management – Frequency of Accidents, deals with the success of the bladder management program. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item G.

FUNCTION MODIFIER #2:

Bladder Management - Frequency of Accidents

DESCRIPTION: This is the second function modifier used to determine Sphincter Control: Bladder Management. It includes complete intentional control of urinary bladder and, if necessary, use of equipment or agents for bladder control. Bladder accidents refer to the act of wetting linen or clothing with urine, and includes bedpan and urinal spills.

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 No accidents – The subject controls bladder completely and intentionally, and does not have any accidents.

6 No accidents; uses device such as a catheter - The subject requires a urinal, bedpan, catheter, absorbent pad, diaper, urinary collecting device, or urinary diversion or uses medication for control. The subject cleans and maintains equipment without assistance of another person. The subject has no accidents.

HELPER

5 One (1) bladder accident, including bedpan and urinal spills, in the past 7 days.

4 Two (2) bladder accidents, including bedpan and urinal spills, in the past 7 days.

3 Three (3) bladder accidents, including bedpan and urinal spills, in the past 7 days.

2 Four (4) bladder accidents, including bedpan and urinal spills, in the past 7 days.

1 Five (5) bladder accidents, including bedpan and urinal spills, in the past 7 days.

Blank (only if Category of Care = “5”)
VARIABLE NAME: Functional Independence Measure (FIM) - Sphincter Control: Bladder Management

FUNCTION MODIFIER #2 (cont’d):

Bladder Management - Frequency of Accidents

COMMENTS: The functional goal of bladder management is to open the urinary sphincter only when needed and to keep it closed the rest of the time. This item deals with the frequency of accidents required to complete bladder management tasks. If the subject does not void (e.g., subject has renal failure and is on hemodialysis), then code level 7 – Complete Independence.

A separate function modifier, Bladder Management – Level of Assistance, deals with the level of assistance to complete the bladder management tasks. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item G.

Variable Aliases: For Data Analysis Only

Variable ID: 358
8-Character Description: BFIMBdMg
VARIABLE NAME: Functional Independence Measure (FIM) - Sphincter Control: Bowel Management

DESCRIPTION: Bowel Management consists of two function modifiers (Level of Assistance and Frequency of Accidents). After these two function modifiers are scored, the lower (more dependent) score is recorded in this FIM item.

FUNCTION MODIFIER #1:

Bowel Management - Level of Assistance

DESCRIPTION: This is the first function modifier used to determine Sphincter Control: Bowel Management. It includes the use of equipment or agents for bowel management.

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence – The subject controls bowels completely and intentionally without equipment or devices, and does not have any bowel accidents.

6 Modified independence - The subject requires a bedpan, digital stimulation or stool softeners, suppositories, laxatives (other than natural laxatives like prunes), or enemas on a regular basis; alternately, the patient uses other medications for control. If the subject has a colostomy, (s)he maintains it. The subject has no accidents.

HELPER

5 Supervision or setup - The subject requires supervision (e.g., standing by, cueing or coaxing) or setup of equipment necessary for the subject to maintain either a satisfactory excretory pattern or an ostomy device.

4 Minimal contact assistance - The subject requires minimal contact assistance to maintain a satisfactory excretory pattern by using suppositories, enemas, or an external device. The subject performs 75% or more of bowel management tasks.

3 Moderate assistance - The subject requires moderate assistance to maintain a satisfactory excretory pattern by using suppositories, enemas, or an external device. The subject performs 50% to 74% of bowel management tasks.

2 Maximal assistance - The subject performs 25% to 49% of bowel management tasks.

1 Total assistance - The subject performs less than 25% of bowel management tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)
VARIABLE NAME: Functional Independence Measure (FIM) - Sphincter Control: Bowel Management

FUNCTION MODIFIER #1 (cont’d):

_Bowel Management - Level of Assistance_

COMMENTS: The functional goal of bowel management is to open the anal sphincter only when needed and to keep it closed the rest of the time. This may require devices, medications (agents), or assistance in some subjects. This item deals with the level of assistance required to complete bowel management tasks.

A separate function modifier, _Bowel Management – Frequency of Accidents_, deals with the success of the bowel management program. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item H.

FUNCTION MODIFIER #2:

_Bowel Management - Frequency of Accidents_

DESCRIPTION: This is the second function modifier used to determine Sphincter Control: Bowel Management. It includes complete intentional control of bowel movements and (if necessary) use of equipment/agents for bowel control. Bowel accidents refer to the act of soiling linen or clothing with stool, including bedpan spills.

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 No accidents – The subject controls bowel completely and intentionally without equipment or devices, and is never incontinent (no accidents).

6 No accidents; uses device such as ostomy - The subject requires a bedpan, digital stimulation or stool softeners, suppositories, laxatives (other than natural laxatives like prunes), or enemas on a regular basis; alternately, the patient uses other medications for control. _The subject has no accidents._

HELPER

5 One (1) accident in the past 7 days.

4 Two (2) accidents in the past 7 days.

3 Three (3) accidents in the past 7 days.

2 Four (4) accidents in the past 7 days.

1 Five (5) accidents in the past 7 days.

Blank (only if Category of Care = “5”)
VARIABLE NAME: Functional Independence Measure (FIM) - Sphincter Control: Bowel Management

FUNCTION MODIFIER #2 (cont’d):
Bowel Management - Frequency of Accidents

COMMENTS: The functional goal of bowel management is to open the anal sphincter only when needed and to keep it closed the rest of the time. This item deals with the frequency of accidents required to complete bowel management tasks.

A separate function modifier, Bowel Management – Level of Assistance, deals with the level of assistance to complete the bowel management tasks. This modifier is scored separately. After these two function modifiers are scored, record the lower (more dependent) score in FIM item H.

Variable Aliases: For Data Analysis Only

Variable ID: 359
8-Character Description: BFIMBwMg
FORM II: 84I. FIM-Mobility (Transfers): Bed, Chair, Wheelchair

VARIABLE NAME: Functional Independence Measure (FIM) - Mobility (Transfers): Bed, Chair, Wheelchair

DESCRIPTION: Includes all aspects of transferring to and from bed, chair and wheelchair or coming to a standing position if walking is the typical mode of locomotion. The subject performs this activity safely.

CHARACTERS: 1 for each entry

CODES:
9 Unknown, Interview not done, Less than 6 years old

NO HELPER
7 Complete independence -
   If walking: The subject safely approaches, sits down on a regular chair, and gets up to a standing position from a regular chair. The subject also safely transfers from bed to chair.
   If in a wheelchair: The subject approaches a bed or chair, locks brakes, lifts foot rests, removes arm rest if necessary, and performs either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.

6 Modified independence – The subject requires adaptive or assistive device such as a sliding board, a lift, grab bars, or a special seat/chair/brace/crutches; or the activity takes more than a reasonable amount of time; or there are safety considerations. In this case, a prosthesis or orthosis is considered an assistive device if used for the transfer.

HELPER
5 Supervision or setup - Requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).

4 Minimal contact assistance - The subject requires no more than touching and performs 75% or more of transferring tasks.

3 Moderate assistance - The subject requires more help than touching or performs 50% to 74% of transferring tasks.

2 Maximal assistance - The subject performs 25% to 49% of transferring tasks.

1 Total assistance - The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: When assessing bed to chair transfer, the subject begins and ends in the supine position.

Use code ‘1’ if activity does not occur.

Variable Aliases: For Data Analysis Only

Variable ID: 360
8-Character Description: BFIMMBCW
FORM II: 84J. FIM-Mobility (Transfers): Toilet

VARIABLE NAME: Functional Independence Measure (FIM) - Mobility (Transfer): Toilet
DESCRIPTION: Includes getting on and off a toilet.
CHARACTERS: 1 for each entry
CODES: 9 Unknown, Interview not done, Less than 6 years old
NO HELPER
7 Complete independence -
   If walking: The subject approaches, sits down on a standard toilet and gets up from a standard toilet. The subject performs this activity safely.
   If in a wheelchair: The subject approaches toilet, locks brakes, lifts foot rests, removes arm rests if necessary and does either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.
6 Modified independence - The subject requires an adaptive or assistive device such as a sliding board, a lift, grab bars, or special seat; or takes more than a reasonable amount of time to complete the activity; or there are safety considerations. In this case, a prosthesis or orthosis is considered an assistive device if used for the transfer.
HELPER
5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).
4 Minimal contact assistance - The subject requires no more than touching and performs 75% or more of transferring tasks.
3 Moderate assistance - The subject requires more help than touching or performs 50% to 74% of transferring tasks.
2 Maximal assistance - The subject performs 25% to 49% of transferring tasks.
1 Total assistance - The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: Use code ‘1’ if activity does not occur.

Variable Aliases: For Data Analysis Only
Variable ID: 361
8-Character Description: BFIMMItt
VARIABLE NAME: Functional Independence Measure (FIM) - Mobility (Transfer): Tub, Shower

DESCRIPTION: Mobility (Transfer): Tub, Shower consists of two function modifiers (Transfers: Tub and Transfers: Shower). After these two function modifiers are scored, the lower (more dependent) score is recorded in this FIM item.

FUNCTION MODIFIER #1:

Transfers: Tub

DESCRIPTION: Includes getting into and out of a tub. The subject performs this activity safely. This is the first of two function modifiers.

CODES:

9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence -
   If walking: The subject approaches a tub, and gets into and out of it. The subject performs this activity safely.
   If in a wheelchair: The subject approaches a tub, locks brakes, lifts foot rests, removes arm rests if necessary, and does either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.

6 Modified independence – The subject requires an adaptive or assistive device (including prosthesis or orthosis) such as a sliding board, a lift, grab bars, or special seat; takes more than a reasonable amount of time to complete the activity or there are safety considerations.

HELPER

5 Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).

4 Minimal contact assistance - The subject performs 75% or more of transferring tasks.

3 Moderate assistance - The subject requires no more than touching and performs 50% to 74% of transferring tasks.

2 Maximal assistance - The subject requires more help than touching or performs 25% to 49% of transferring tasks.

1 Total assistance - The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank (only if Category of Care = “5”)

COMMENTS: Use code ‘1’ if activity does not occur.
VARIABLE NAME: Functional Independence Measure (FIM) - Mobility (Transfer): Tub, Shower

FUNCTION MODIFIER #1 (cont’d):

*Transfers: Tub*

**COMMENT:** There is a separate function modifier that addresses transfers into a shower stall. Score the function modifiers separately. If the patient uses only one mode, record this score in FIM item K. If the patient transfers into the tub and shower, record the lower score.

FUNCTION MODIFIER #2:

*Transfers: Shower*

**DESCRIPTION:** Includes getting into and out of a shower. The subject performs this activity safely. This is the second of two function modifiers.

**CODES:**

9  Unknown /Interview not done/Less than 6 years old

NO HELPER

7  Complete independence -  
   *If walking:* The subject approaches a shower stall, and gets into and out of it. The subject performs this activity safely.  
   *If in a wheelchair:* The subject approaches a shower stall, locks brakes, lifts foot rests, removes arm rests if necessary, and does either a standing pivot or sliding transfer (without a board) and returns. The subject performs this activity safely.

6  Modified independence – The subject requires an adaptive or assistive device (including prosthesis or orthosis) such as a sliding board, a lift, grab bars, or special seat; takes more than a reasonable amount of time to complete the activity or there are safety considerations.

HELPER

5  Supervision or setup – The subject requires supervision (e.g., standing by, cueing or coaxing) or setup (positioning sliding board, moving foot rests, etc.).

4  Minimal contact assistance - The subject performs 75% or more of transferring tasks.

3  Moderate assistance - The subject requires no more than touching and performs 50% to 74% of transferring tasks.

2  Maximal assistance - The subject requires more help than touching or performs 25% to 49% of transferring tasks.

1  Total assistance - The subject performs less than 25% of transferring tasks; or the subject cannot perform the task due to physical or cognitive limitations and a helper performs the activity for the subject.

Blank  *(only if Category of Care = “5”)*
VARIABLE NAME: Functional Independence Measure (FIM) - Mobility (Transfer): Tub, Shower

FUNCTION MODIFIER #2 (cont’d):
**Transfers: Shower**

COMMENT: There is a separate function modifier that addresses transfers into a tub. Score the function modifiers separately. If the patient uses only one mode, record this score in FIM item K. If the patient transfers into the tub and shower, record the lower score.

Variable Aliases: For Data Analysis Only

Variable ID: 362
8-Character Description: BFIMMTSh
VARIABLE NAME: Functional Independence Measure (FIM) - Locomotion: Walking or Wheelchair

DESCRIPTION: Locomotion: Walking or Wheelchair consists of two function modifiers (Locomotion: Walk and Locomotion: Wheelchair). The score that matches the type of locomotion is recorded in this FIM item. If both modes are performed equally, and the scores for each mode are not equal, the lower (more dependent) score is recorded in this FIM item.

FUNCTION MODIFIER #1:

Locomotion: Walk

DESCRIPTION: Includes walking on a level surface once in a standing position. The subject performs this activity safely. This is the first of two locomotion function modifiers.

CODES:

9 Unknown, Interview not done, Less than 6 years old

7 Complete independence – The subject walks a minimum of 150 feet (50 meters) without assistive devices. The subject performs this activity safely.

6 Modified independence - The subject walks a minimum of 150 feet (50 meters) but uses a brace (orthosis) or prosthesis on leg, special adaptive shoes, cane, crutches, or walkerette; or takes more than a reasonable amount of time to complete the activity; or there are safety considerations.

5 Exception (household locomotion) - The subject walks only short distances (a minimum of 50 feet or 17 meters) independently with or without a device. The activity takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision – The subject requires standby supervision, cueing or coaxing to go a minimum of 150 feet (50 meters).

4 Minimal contact assistance - The subject performs 75% or more of walking effort to go a minimum of 150 feet (50 meters).

3 Moderate assistance - The subject performs 50% to 74% of walking effort to go a minimum of 150 feet (50 meters).

2 Maximal assistance - The subject performs 25% to 49% of walking effort to go a minimum of 50 feet (17 meters) and requires assistance of one person only.

1 Total assistance - The subject performs less than 25% of effort, or requires the assistance of two people, or walks less than 50 feet (17 meters).

Blank (only if Category of Care = “5”)

COMMENTS: If the patient requires an assistive device for locomotion (prosthesis, walker, cane, AFO, adaptive shoe, etc.), then the Locomotion: Walk score can never be higher than level 6.
VARIABLE NAME: Functional Independence Measure (FIM) - Locomotion: Walking or Wheelchair

FUNCTION MODIFIER #1 (cont’d):

Locomotion: Walk

COMMENTS: There are two locomotion function modifiers. Indicate the most frequent mode of locomotion (Walk or Wheelchair) in FIM item LM. If both are used about equally, code “Both”.

FUNCTION MODIFIER #2:

Locomotion: Wheelchair

DESCRIPTION: Includes using a wheelchair on a level surface once in a seated position. The subject performs this activity safely. This is the second of two locomotion function modifiers.

CODES:

9 Unknown, Interview not done/Less than 6 years old

NO HELPER

7 This score is not to be used if the patient uses a wheelchair for locomotion.

6 Modified independence - The subject operates a manual or motorized wheelchair independently for a minimum of 150 feet (50 meters); turns around; maneuvers the chair to a table, bed, toilet; negotiates at least a 3 percent grade; and maneuvers on rugs and over door sills.

5 Exception (household locomotion) - The subject operates a manual or motorized wheelchair independently only short distances (a minimum of 50 feet or 17 meters).

HELPER

5 Supervision – The subject requires standby supervision, cueing or coaxing to go a minimum of 150 feet (50 meters) in a wheelchair.

4 Minimal contact assistance - The subject performs 75% or more of locomotion effort to go a minimum of 150 feet (50 meters).

3 Moderate assistance - The subject performs 50% to 74% of locomotion effort to go a minimum of 150 feet (50 meters).

2 Maximal assistance - The subject performs 25% to 49% of locomotion effort to go a minimum of 50 feet (17 meters) and requires the assistance of one person only.

1 Total assistance - The subject performs less than 25% of effort, or requires assistance of two people, or wheels less than 50 feet (17 meters).

Blank (only if Category of Care = “5”)

COMMENTS: There are two locomotion function modifiers: Locomotion: Walking and Locomotion: Wheelchair. Indicate the most frequent mode of locomotion (Walk or Wheelchair) in FIM item LM. If both are used about equally, code “Both”.

Variable Aliases: For Data Analysis Only

Variable ID: 363

8-Character Description: BFIMLWWc
FORM II: 84LM. FIM-Locomotion-Mode: Walking and/or Wheelchair

VARIABLE NAME: Functional Independence Measure (FIM) - Locomotion: Mode (Walking and/or Wheelchair)

DESCRIPTION: This variable documents the more frequent mode of locomotion (for the level recorded in FIM item L).

CHARACTERS: 1 for each entry

CODES:
0  Walking
1  Wheelchair
2  Both walking and wheelchair (use only if both are used about equally often)
9  Unknown, Interview not done, Less than 6 years old

Blank (only if Category of Care = “5”)

COMMENTS: Indicate the most frequent mode of locomotion (Walk or Wheelchair). If both are used about equally, code “Both”.

QC: If variable Locomotion: Walking and Wheelchair = “9” (Unknown), this variable must = “9” (Unknown).

Variable Aliases: For Data Analysis Only

Variable ID: 364
8-Character Description: BFIMLMod
VARIABLE NAME: Functional Independence Measure (FIM) - Locomotion: Stairs

DESCRIPTION: Includes going up and down 12 to 14 stairs (one flight) indoors in a safe manner.

CHARACTERS: 1 for each entry

CODES: 9 Unknown, Interview not done, Less than 6 years old

NO HELPER

7 Complete independence – The subject safely goes up and down at least one flight of stairs without depending on any type of handrail or support.

6 Modified independence - The subject goes up and down at least one flight of stairs but requires a side support, handrail, cane, or portable supports; or the activity takes more than a reasonable amount of time; or there are safety considerations.

5 Exception (household ambulation) – The subject goes up and down 4 to 6 stairs independently, with or without a device. The activity takes more than a reasonable amount of time, or there are safety considerations.

HELPER

5 Supervision - The subject requires supervision (e.g., standing by, cueing or coaxing) to go up and down one flight of stairs.

4 Minimal contact assistance - The subject performs 75% or more of effort to go up and down one flight of stairs.

3 Moderate assistance - The subject performs 50% to 74% of the effort to go up and down one flight of stairs.

2 Maximal assistance - The subject performs 25% to 49% of the effort to go up and down 4 to 6 stairs, and requires the assistance of one person only.

1 Total assistance - The subject performs less than 25% of the effort; or requires the assistance of two people; or goes up and down fewer than 4 stairs; or the subject cannot perform the task due to physical or cognitive limitations and a helper carries the subject up or down stairs.

Blank (only if Category of Care = “5”)

COMMENTS: Use code ‘1’ if activity does not occur.

Variable Aliases: For Data Analysis Only

Variable ID: 365
8-Character Description: BFIMLStr
**FORM II: 84T. FIM-Total Motor Score**

**VARIABLE NAME:** Functional Independence Measure (FIM) – Total Motor Score

**DESCRIPTION:** This variable documents the total of the levels in FIM items A through M. This variable is calculated by the NSCISC’s software.

**CHARACTERS:** 2 for each entry

**CODES:**
- **13 – 91** Valid Range
- **99** Unknown, Interview not done, Less than 6 years old
- **Blank** (only if Category of Care = “5”)

**COMMENTS:** Each of the 13 motor items comprising the FIM has a maximum level score of 7 and a minimum score of 1. For calculation purposes only, zeros are converted to 1. The highest total score is 91 and the lowest total score is 13.

Code "99" is used when 1 or more items are coded "9" (Unknown).

The score for *Locomotion Mode: Walking and/or Wheelchair* is not included in this total.

**SOFTWARE:** This variable is calculated by NSCISC.

For calculation purposes only, zeros are converted to 1.

**QC:** If the score in any item of the *FIM* items A through M = “9” (*Unknown*), this variable (T) must = “99” (*Unknown*).

If the subject’s current age is less than 6, then all *FIM* items must = “9” and the *Total FIM score* must = “99”.

**Variable Aliases:** For Data Analysis Only

**Variable ID:** 366

8-Character Description: BFIMScor
VARIABLE NAME: Utilization of Mechanical Ventilation

DESCRIPTION: This variable documents any use of any type of mechanical ventilation used to sustain respiration. This is collected at the year 1* anniversary of injury (from discharge from initial system hospitalization to interview date). If NOT Year 1, leave Blank.

* If a year 2 Form II is substituted for the year 1 Form II (because the patient was still in the initial acute/rehab process past his first anniversary), this variable documents use of mechanical ventilation after discharge from the initial System hospitalization to the interview date. Interviewer asks:

Since discharge from rehab, have you used a mechanical ventilator?

CHARACTERS: 1

CODES:
0 No
1 Yes, limited, short-term use for pulmonary complications
2 Yes, ventilator-dependent or ventilator use requiring a weaning process
3 Yes, phrenic nerve stimulator
4 Yes, used mechanical ventilation, length of time and type unknown
9 Unknown

COMMENTS: Ventilatory assistance includes but is not limited to mechanical ventilators, phrenic nerve stimulators, external negative pressure devices, and BiPAP. Do not include routine administration of oxygen, periodic IPPB administration, or CPAP.

Code 1, ‘Limited, short-term use’ is defined as respiratory support used as part of the medical treatment for other pulmonary complications.

Do NOT include emergency mouth-to-mouth or machine resuscitation; emergency “bagging”; or operative / post-operative ventilatory support used for less than 7 days

Do use code 1 for post-op support lasting more than 7 days.

Code 2, ‘Ventilator Dependent’ should be used for those who need partial or total respiratory support on a daily basis and 1) require a weaning process or 2) are vent-dependent.

Do NOT use code 2 for vent support used for less than 7 days.

REVISIONS: October 2000: Form II data collection required only for annual year 1.

Variable Aliases: For Data Analysis Only

Variable ID: 425
8-Character Description: BUtMchVt
FORM II:  86. ASIA Motor Index
(page 1 of 3)

VARIABLE NAME:  ASIA Motor Index Score

DESCRIPTION:  This variable documents the function of 10 paired myotomes (C5-T1 and L2-S1) measured at (1) the individual myotome for each key muscle, (2) the subtotal scores for the right and left sides and (3) the total ASIA Motor Index Score for the year 1 (or year 2) examination.

This motor index score provides a numerical scoring system to document changes in motor function.

CHARACTERS:  1 for each key muscle, Right and Left
2 for each Subtotal, Right and Left
3 for each Total

CODES:  

Each Key Muscle  

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5</td>
<td>Valid range</td>
</tr>
<tr>
<td>8</td>
<td>Not Testable, unable to test; infants; amputee; cast</td>
</tr>
<tr>
<td>9</td>
<td>Unknown, Not Done</td>
</tr>
<tr>
<td>Blank</td>
<td>Not Year 1 (or 2), Category of Care = “5”</td>
</tr>
</tbody>
</table>

Right and Left Subtotals  

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 50</td>
<td>Valid range</td>
</tr>
<tr>
<td>88</td>
<td>Not Testable, unable to test; infants; amputee; cast</td>
</tr>
<tr>
<td>99</td>
<td>Unknown, Not Done</td>
</tr>
<tr>
<td>Blank</td>
<td>Not Year 1 (or 2), Category of Care = “5”</td>
</tr>
</tbody>
</table>

Total  

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 100</td>
<td>Valid range</td>
</tr>
<tr>
<td>888</td>
<td>Not Testable, unable to test; infants; amputee; cast</td>
</tr>
<tr>
<td>999</td>
<td>Unknown, Not Done</td>
</tr>
<tr>
<td>Blank</td>
<td>Not Year 1 (or 2), or Category of Care = “5”</td>
</tr>
</tbody>
</table>

COMMENTS:  The strength of each key muscle is graded on a 6 point scale according to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011.

0  total paralysis
1  palpable or visible contraction
2  active movement, full Range of Motion (ROM) with gravity eliminated
3  active movement, full ROM against gravity
4  active movement, full ROM against moderate resistance
5  (normal) active movement, full ROM against full resistance
5* (normal) active movement, full ROM against sufficient resistance to be considered normal if identified inhibiting factors were not present
NT (8) Not testable due to immobilization, severe pain such that the patient cannot be graded, amputation of limb, or contracture of >50% of ROM.

Minus grades are to be coded as the next lower grade. For example, a grade of 3- should be coded 2; 2- should be coded 1, and, 1- should be coded 0. Plus grades should be ignored. For example, a grade of 3+ should be coded 3, 2+ should be coded 2, etc.
VARIABLE NAME: ASIA Motor Index Score

COMMENTS (cont’d): A normal exam is a score of 5 for each key muscle, Subtotals on the left and right of 50, and, a total score of 100.

Key Muscles for Motor Level Classification - The required portion of the motor examination is completed through the testing of the following key muscles (bilaterally):

- C5: Elbow flexors (biceps, brachialis)
- C6: Wrist extensors (extensor carpi radialis longus and brevis)
- C7: Elbow extensors (triceps)
- C8: Finger flexors - (flexor digitorum profundus) to the middle finger
- T1: Small finger abductors (abductor digiti minimi)
- L2: Hip flexors (iliopsoas)
- L3: Knee extensors (quadriceps)
- L4: Ankle dorsiflexors (tibialis anterior)
- L5: Long toe extensors (extensor hallucis longus)
- S1: Ankle plantarflexors (gastrocnemius, soleus)

Each key muscle should be examined in a rostral-caudal sequence.

Motor Index scores are documented by the attending physician or the physician’s designee. All the key muscles identified for the ASIA Motor Index Score must be tested to provide a valid left, right and total score.


REVISIONS: October 2000: Data on Form II required only on the date of the year 1 examination.

January 1998: Data on Form II required only in annual years 1 and 2.

August 1993: The individual muscle scores were added to Form II.

October 1986: Form II Sub-Totals and Totals were added to the database.

QC: See Policy for coding instructions for patients with normal neurologic or minimal deficit status.

See Policy for coding instructions when the Neuro Exam is not done.
FORM II: 86. ASIA Motor Index

VARIABLE NAME: ASIA Motor Index Score

EXAMPLE 1: Each muscle score is known; and the Subtotal on the right side the Subtotal is 37, on the left side is 45, and the Total score is 82.

Each muscle has a score from “0” to “5”, and

<table>
<thead>
<tr>
<th>Variable</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td>37</td>
<td>45</td>
</tr>
<tr>
<td>Total</td>
<td>82</td>
<td></td>
</tr>
</tbody>
</table>

EXAMPLE 2: The left side cannot be tested completely because the patient’s hand is in a cast. All muscles on the right side were tested and the total score for the right side is 32.

Each muscle on the left side (that was not tested) is coded “8”; tested muscles on the left and each muscle on the right have a score from “0” to “5”; and,

<table>
<thead>
<tr>
<th>Variable</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td>32</td>
<td>88</td>
</tr>
<tr>
<td>Total</td>
<td>888</td>
<td></td>
</tr>
</tbody>
</table>

EXAMPLE 3: Only the total score (82) is known. All muscles are coded 9, and

<table>
<thead>
<tr>
<th>Variable</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td>99</td>
<td>99</td>
</tr>
<tr>
<td>Total</td>
<td>82</td>
<td></td>
</tr>
</tbody>
</table>

EXAMPLE 4: The Left Subtotal is unknown (because 2 muscles are coded “9”) and, the right side was not testable (all muscles on the right are coded “8”).

<table>
<thead>
<tr>
<th>Variable</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtotal</td>
<td>88</td>
<td>99</td>
</tr>
<tr>
<td>Total</td>
<td>888</td>
<td></td>
</tr>
</tbody>
</table>

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Level</th>
<th>Variable ID</th>
<th>8-Character Description</th>
<th>Variable ID</th>
<th>8-Character Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C5</td>
<td>429</td>
<td>BASAC5Rt</td>
<td>428</td>
<td>BASAC5Lf</td>
</tr>
<tr>
<td>C6</td>
<td>431</td>
<td>BASAC6Rt</td>
<td>430</td>
<td>BASAC6Lf</td>
</tr>
<tr>
<td>C7</td>
<td>433</td>
<td>BASAC7Rt</td>
<td>432</td>
<td>BASAC7Lf</td>
</tr>
<tr>
<td>C8</td>
<td>435</td>
<td>BASAC8Rt</td>
<td>434</td>
<td>BASAC8Lf</td>
</tr>
<tr>
<td>T1</td>
<td>437</td>
<td>BASAT1Rt</td>
<td>436</td>
<td>BASAT1Lf</td>
</tr>
<tr>
<td>L2</td>
<td>439</td>
<td>BASAL2Rt</td>
<td>438</td>
<td>BASAL2Lf</td>
</tr>
<tr>
<td>L3</td>
<td>441</td>
<td>BASAL3Rt</td>
<td>440</td>
<td>BASAL3Lf</td>
</tr>
<tr>
<td>L4</td>
<td>443</td>
<td>BASAL4Rt</td>
<td>442</td>
<td>BASAL4Lf</td>
</tr>
<tr>
<td>L5</td>
<td>445</td>
<td>BASAL5Rt</td>
<td>444</td>
<td>BASAL5Lf</td>
</tr>
<tr>
<td>S1</td>
<td>447</td>
<td>BASAS1Rt</td>
<td>446</td>
<td>BASAS1Lf</td>
</tr>
<tr>
<td>Subtotals</td>
<td>449</td>
<td>BASASRT</td>
<td>448</td>
<td>BASASLf</td>
</tr>
<tr>
<td>Total</td>
<td>450</td>
<td>BASATot</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
VARIABLE NAME: ASIA Sensory Score at annual exam

DESCRIPTION: This variable documents sensation at a key point in each of the 28 dermatomes (from C2-S4/5) on the right and left sides of the body. At each of these key points, two aspects of sensation are examined: sensitivity to light touch (LT) and to pin prick (PP).

Sensory scores for light touch and pin prick at each of the key points are recorded at: (1) Each Dermatome - the individual scores for each of the 28 key sensory dermatomes, (2) Subtotals of dermatome scores on the right and left for LT and PP, and (3) Totals of the Subtotal scores for LT and PP.

CHARACTERS: 1 for each key dermatome, Right and Left for LT and PP
2 for each Subtotal, Right and Left for LT and PP
3 for each Total, for LT and PP

CODES:

Each Dermatome

- 0-2 Valid range
- 8 Not Testable, unable to test; infants; cast; amputee
- 9 Unknown, Not Done
- Blank Not Year 1, or Category of Care=5

Subtotal: Right and Left LT and PP

- 0-56 Valid range
- 88 Not Testable, unable to test; infants; cast; amputee
- 99 Unknown, Not Done
- Blank Not Year 1, or Category of Care=5.

Total: LT and PP

- 0-112 Valid range
- 888 Not Testable, unable to test; infants; cast; amputee
- 999 Unknown, Not Done
- Blank Not Year 1, or Category of Care=5.

COMMENTS: These variables are documented by the attending physician or the physician's designee trained in accordance with the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011.

- 0 absent
- 1 impaired (partial or altered)
- 2 normal
- NT (8) not testable, unable to test

See Policy for coding instructions when the Neuro Exam is not done.

REVISION: October 2011: Sensory score variables were added to the database. Data are required for all Year 1 (or 2) patients with exams and Indates on or after 10/01/2011. These variables were populated as ‘Unknown’ for all Followed (not Lost) Form IIIs entered prior to October 1, 2011.
VARIABLE NAME: ASIA Sensory Score at annual exam

Variable Aliases: For Data Analysis Only

Variable ID: 8

8-Character Description:

<table>
<thead>
<tr>
<th>Year 1 ASIA Sensory</th>
<th>Light Touch</th>
<th>Pinprick</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Right</td>
<td>Left</td>
</tr>
<tr>
<td></td>
<td>Var ID</td>
<td>8-Char Desc</td>
</tr>
<tr>
<td>C2</td>
<td>1670</td>
<td>BLTC2Rt</td>
</tr>
<tr>
<td>C3</td>
<td>1671</td>
<td>BLTC3Rt</td>
</tr>
<tr>
<td>C4</td>
<td>1672</td>
<td>BLTC4Rt</td>
</tr>
<tr>
<td>C5</td>
<td>1673</td>
<td>BLTC5Rt</td>
</tr>
<tr>
<td>C6</td>
<td>1674</td>
<td>BLTC6Rt</td>
</tr>
<tr>
<td>C7</td>
<td>1675</td>
<td>BLTC7Rt</td>
</tr>
<tr>
<td>C8</td>
<td>1676</td>
<td>BLTC8Rt</td>
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<tr>
<td>T1</td>
<td>1677</td>
<td>BLTT1Rt</td>
</tr>
<tr>
<td>T2</td>
<td>1678</td>
<td>BLTT2Rt</td>
</tr>
<tr>
<td>T3</td>
<td>1679</td>
<td>BLTT3Rt</td>
</tr>
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<td>T4</td>
<td>1680</td>
<td>BLTT4Rt</td>
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<tr>
<td>T5</td>
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<td>T6</td>
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<tr>
<td>T7</td>
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<td>T8</td>
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<tr>
<td>T9</td>
<td>1685</td>
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</tr>
<tr>
<td>T10</td>
<td>1686</td>
<td>BLTT10Rt</td>
</tr>
<tr>
<td>T11</td>
<td>1687</td>
<td>BLTT11Rt</td>
</tr>
<tr>
<td>T12</td>
<td>1688</td>
<td>BLTT12Rt</td>
</tr>
<tr>
<td>L1</td>
<td>1689</td>
<td>BLTL1Rt</td>
</tr>
<tr>
<td>L2</td>
<td>1690</td>
<td>BLTL2Rt</td>
</tr>
<tr>
<td>L3</td>
<td>1691</td>
<td>BLTL3Rt</td>
</tr>
<tr>
<td>L4</td>
<td>1692</td>
<td>BLTL4Rt</td>
</tr>
<tr>
<td>L5</td>
<td>1693</td>
<td>BLTL5Rt</td>
</tr>
<tr>
<td>S1</td>
<td>1694</td>
<td>BLTS1Rt</td>
</tr>
<tr>
<td>S2</td>
<td>1695</td>
<td>BLTS2Rt</td>
</tr>
<tr>
<td>S3</td>
<td>1696</td>
<td>BLTS3Rt</td>
</tr>
<tr>
<td>S4</td>
<td>1697</td>
<td>BLTS45Rt</td>
</tr>
<tr>
<td>Subtotal</td>
<td>1698</td>
<td>BLTSubRt</td>
</tr>
<tr>
<td>Total*</td>
<td>1728</td>
<td>BLTTot</td>
</tr>
</tbody>
</table>
VARIABLE NAME: Sensory Level

DESCRIPTION: The sensory level (which may differ by side of body) is the most caudal segment of the spinal cord with normal sensory function for pinprick and light touch on both sides of the body. Right and left levels are documented on the date of the year 1 (or year 2, see Policy) examination.

CHARACTERS: 3 for each entry

CODES:
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- Blank Not Year 1, Category of Care = “5”

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code "99". Use code X99 on Form II if the level is completely unknown or if the neurologic exam was not done.

If sensation is intact on one side for light touch and pinprick at all dermatomes C02 through S4-5, the sensory level for that side should be coded “X00” (INT).

SOURCE: Refer to The International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011, for complete information on the sensory examination and a listing of all key points.

REVISIONS: October 2000: Form II data are required only on the date of the year 1 examination.
January 1998: Form II data are required only in annual years 1 and 2.
August 1993: Data in these variables are required of patients who receive a neuro exam on or after August 15, 1993.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Variable ID</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>452</td>
<td>451</td>
</tr>
</tbody>
</table>

8-Character Description: BSnsLvRt BSnsLvLf
FORM II: 89. Motor Level

VARIABLE NAME: Motor Level

DESCRIPTION: The motor level is defined by the lowest key muscle that has a grade of at least 3, provided the key muscles represented by segments above that level are judged to be normal (5). Right and left levels are documented on the date of the year 1 (or year 2, see Policy) examination and may be different bilaterally.

CHARACTERS: 3 for each entry

CODES:

- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- Blank Not Year 1, Category of Care = “5”

COMMENTS: The examiner’s judgment is relied upon to determine whether a muscle that tests as less than normal (5) may in fact be fully innervated. This may occur when full effort from the patient is inhibited by factors such as pain, positioning and hypertonicity or when weakness is judged to be due to disuse. If any of these or other factors impeded standardized muscle testing, the muscle should be graded as not testable. However, if these factors do not prevent the patient from performing a forceful contraction and the examiner’s best judgment is that the muscle would test normally (5) were it not for these factors; it may be graded as 5.

For those myotomes that are not clinically testable by a manual muscle exam (i.e., C1-C4, T2-L1 and S2-S5), the motor level is presumed to be the same as the sensory level if testable motor function above (rostral) that level is normal as well.

If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code “99”. Use code X99 if the level is completely unknown, the exam was not done or there was no admission to System inpatient rehab.

SOURCE: See the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for complete information on the motor examination and a listing of all key muscles.
VARIABLE NAME: Motor Level

REVISIONS: October 2000: Form II data required only on the date of the year 1 examination.

January 1998: Form II data required only in annual years 1 and 2.

Data in these variables are required of patients who are admitted to the system on or after August 15, 1993.

QC: See Policy for coding instructions for patients with "normal neurologic" or "minimal deficit" status.

See Policy for coding instructions when the Neuro Exam is not done.

Variable Aliases: For Data Analysis Only

<table>
<thead>
<tr>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>455</td>
<td>454</td>
</tr>
</tbody>
</table>

8-Character Description: BMotLvRt BMotLvLf
FORM II: 90. Preserved Neuro Function

VARIABLE NAME: Level of Preserved Neurologic Function

DESCRIPTION: The neurological level of preservation (injury) is the most caudal segment of the spinal cord with normal sensory and motor function on both sides of the body. Right and left levels are documented on the date of the year 1 (or year 2, See Policy) examination.

CHARACTERS: 3 for each entry

CODES: 
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- Blank Not Year 1, Category of Care = “5”

COMMENTS: If only the alphabetic part of the level is known, it is permissible to use code C, L, T, or S followed by numeric code "99". Use code X99 on Form II if the level is completely unknown or if the exam was not done.

SOURCE: Refer to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for additional information.

REVISIONS: October 2000: Form II data are required at year 1 annual exam.
January 1998: Form II data are required at years 1 and 2 annual exam.

QC: 
If this variable = “C”, then variable Neurologic Impairment must be coded "4", "5", "6" or "9".
If this variable = “T", "L", or "S", then Neurologic Impairment must be coded "1", "2", "3" or "9".
The level in this variable must be equal to the motor level and/or the sensory level AND neither the motor level nor the sensory level can be higher than the level in this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 458 Right 457 Left
8-Character Description: BPrNuFRT BPrNuFLf
VARIABLE NAME: Neurologic Level of Injury (Preserved Neuro Right & Left Combined)

DESCRIPTION: The most caudal segment of the spinal cord with normal sensory and antigravity motor function on both sides of the body, provided there is normal (intact) sensory and motor function rostrally. This variable is created by comparing the Right and Left Preserved Neuro Level variables and returning the anatomically higher of the two variables. This variable is calculated by the NSCISC and is for data analysis purposes.

CHARACTERS: 3 for each entry

CODES:
- C01-C08 Cervical
- T01-T12 Thoracic
- L01-L05 Lumbar
- S01-S03 Sacral
- S04, S05, S45 Not valid after August 2013
- X00 Normal neurologic (INT)
- X99 Unknown, Not Done
- Blank Not Year 1, Category of Care = 5

COMMENTS: This variable is calculated by the NSCISC. It is created by comparing the Right and Left Level of Preserved Neurologic Function variables and reports the anatomically higher neurologic level.

SOURCE: Refer to the International Standards for Neurological Classification of Spinal Cord Injury, Revised 2011 for additional information.

Variable Aliases: For Data Analysis Only

Annual Exam (if ASIA exam is done)

Variable ID: 1788
8-Character Description: BNurLvl
FORM II: 92. Anal Sensation

VARIABLE NAME: Any Anal Sensation

DESCRIPTION: This variable documents whether or not the patient has any sensation in the anal region during the neurologic exam given on the date of the year 1 (or year 2, See Policy) examination.

CHARACTERS: 1 for each entry

CODES:

0  No
1  Yes
8  Not Applicable, unable to test; infants
9  Unknown, Not done
Blank  Not Year 1, Category of Care = “5”

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Exam Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 453
8-Character Description: BAnalSns
FORM II: 93. Voluntary Anal Sphincter Contraction

VARIABLE NAME: Any voluntary anal sphincter contraction

DESCRIPTION: This variable documents whether or not the patient is able to contract the anal sphincter voluntarily during the neurologic exam given on the date of the year 1 (or year 2 see Policy) examination.

CHARACTERS: 1 for each entry

CODES:  
0 No  
1 Yes  
8 Not Applicable, unable to test; infants  
9 Unknown, Not done  
Blank Not Year 1, Category of Care = “5”

REVISIONS: October 2006: This variable was added to the database. Data are required for all patients with Exam Dates on or after 10/01/2006.

Variable Aliases: For Data Analysis Only

Variable ID: 456

8-character Description: BVolSphn
FORM II: 94. ASIA Impairment

VARIABLE NAME: ASIA Impairment Scale (modified from Frankel)

DESCRIPTION: This variable attempts to quantify the degree of impairment on the date of the year 1 (or year 2 See Policy) examination.

CHARACTERS: 1

CODES:

A  Complete Injury.
   No sensory or motor function is preserved in the sacral segments S4-S5 (must also be negative for anal sensation/contraction).

B  Incomplete.
   Sensory but not motor function is preserved below the neurological level and includes the sacral segments S4-S5 (or have anal sensation).

C  Incomplete.
   Motor function is preserved below the neurological level, and more than half of the key muscles below the neurological level have a muscle grade less than 3 (grades 0-2).

D  Incomplete.
   Motor function is preserved below the neurological level, and at least half of key muscles below the neurological level have a muscle grade greater than or equal to 3.

E  Normal.
   Sensory and motor functions are normal.

U  Unknown

Blank  Not Year 1, Category of Care = “5”

NOTE: For an individual to receive a grade of C or D, he/she must be incomplete, that is, have sensory or motor function in the sacral segments S4-S5. In addition, the individual must have either (1) voluntary anal sphincter contraction or (2) sparing of motor function more than three levels below the motor level.

VARIABLE NAME: ASIA Impairment Scale (modified from Frankel)

COMMENTS: See Policy for guidelines to administering the neurological exam when the patient is not fully testable.

REVISIONS: October 2000: Data on Form II are required only at annual year 1. January 1998: Data on Form II are required only at annual years 1 and 2. August 1993: The Frankel Grading system was changed to the ASIA Impairment Scale.

CONVERSIONS: August 1993: All records in which the Frankel Grading system was used have numeric codes in this variable. Records in which the ASIA Impairment Scale was used contain alphabetic codes. The following Frankel Grade codes are provided for analysis purposes only. The numeric Frankel Grade codes are not allowed in records entered into the database after August 1993.

Frankel Grade codes:

1. Incomplete - Preserved Sensation Only (Frankel Grade B): Preservation of any demonstrable, reproducible sensation, excluding phantom sensations. Voluntary motor functions are absent.

2. Incomplete - Preserved Motor - Non-functional (Frankel Grade C): Preservation of voluntary motor function that is minimal and performs no useful purpose. Minimal is defined as preserved voluntary motor ability below the level of injury where the majority of the key muscles tests less than a grade of 3.

3. Incomplete, Preserved Motor - Functional (Frankel Grade D): Preservation of voluntary motor function which is useful functionally. This is defined as preserved voluntary motor ability below the level of injury, where the majority of the key muscles tests at least a grade of 3.

4. Complete Recovery (Frankel Grade E): Complete return of all motor and sensory function, but there may still be abnormal reflexes.

5. Complete (Frankel Grade A): All motor and sensory function is absent below the Zone of Partial Preservation.

9. Unknown

QC: See Policy for coding instructions for patients with normal neurologic or minimal deficit status.

Variable Aliases: For Data Analysis Only

Variable ID: 427
8-Character Description: BASAImp
FORM II: 95. Category of Neuro Impairment
(page 1 of 2)

VARIABLE NAME: Category of Neurologic Impairment

DESCRIPTION: This variable documents the degree of neurologic damage present on the date of the year 1 (or year 2, See Policy) examination.

The neurologic exam must be performed by a physician or a designated person who has been trained using the guidelines in the latest version of the International Standards for Neurological Classification of Spinal Cord Injury, published by the American Spinal Injury Association (ASIA).

CHARACTERS: 1

CODES:

1 Paraplegia, incomplete
2 Paraplegia, complete
3 Paraplegia, minimal deficit
4 Tetraplegia, incomplete
5 Tetraplegia, complete
6 Tetraplegia, minimal deficit
7 Normal neurologic
8 Normal neurologic, minimal neurologic deficit (code "5" prior to 10/15/87) This is a CONVERSION CODE ONLY. Data collectors may NOT use this code. This information is provided for data analyses purposes only.
9 Unknown

Blank Not Year 1, Category of Care = “5”

COMMENTS: Paraplegia is impairment or loss of motor and/or sensory function in the thoracic, lumbar or sacral (but not cervical) segments of the spinal cord secondary to damage of neural elements within the spinal canal. With paraplegia, arm functioning is spared, but, depending on the level of injury, the trunk, legs and pelvic organs may be involved. The term is used in referring to cauda equina and conus medullaris injuries, but not to lumbosacral plexus lesions or injury to peripheral nerves outside the neural canal.

Tetraplegia (preferred to quadriplegia) is impairment or loss of motor and/or sensory function in the cervical segments of the spinal cord due to damage of neural elements within the spinal canal. Tetraplegia results in impairment of function in the arms as well as in the trunk, legs and pelvic organs. It does not include brachial plexus lesions or injury to peripheral nerves outside the neural canal.

Complete injury means an absence of sensory and motor function in the lowest sacral segment.

Incomplete injury means partial preservation of sensory and/or motor function is found below the neurological level and includes the lowest sacral segment. Sacral sensation includes sensation at the anal mucocutaneous junction as well as deep anal sensation. The test of motor function is the presence of voluntary contraction of the external anal sphincter upon digital examination.
VARIABLE NAME: Category of Neurologic Impairment

COMMENTS (cont’d): Minimal deficit refers to neurologic damage so minimal the patient has no significant or incapacitating loss of function. Reflexes may still be abnormal. Patient’s Motor Score should be 95 or greater, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain). If no ASIA exam is completed, a score of 7s on all FIM items may substitute for the Motor Score of 95. If an ASIA exam is not completed, a score of 7 on all FIM items may be considered a substitute for the Motor Score of 95 or above. Minimal deficits will still be coded as ASIA D and have a neuro level (not X00). If the patient is coded minimal deficit on Form I, no Form IIs are required. Once a patient is coded minimal deficit on a Form II, further follow-up is allowed but not required.

Normal neurologic status refers to those patients who have no demonstrable muscular weakness or impaired sensation, and patient should be free of other significant neurologic complications due to SCI (e.g., bowel, bladder or neuropathic pain). This subcategory must be included in the database to document those patients who achieve recovery from initial injury. Complete recoveries must be coded X00 and ASIA E, and must have a 100 motor score. If the patient is coded normal on Form I, no Form IIs are required. Once a patient is coded normal on a Form II, no subsequent Form IIs are required.

Monoplegia should be coded “1” (Paraplegia, incomplete); Quadriplegia should be coded "4" (Tetraplegia, incomplete); The sacral area must be checked for this variable.


REVISIONS: October 2000: Data on Form II are now required only in annual year 1. Year 1 data are required for new Form IIs entered on or after 03/01/2001.

January, 1998: Data on Form II are now required only in annual years 1 and 2.

QC: If this variable = “1” (Paraplegia, incomplete), “2” (Paraplegia, complete), or "3" (Paraplegia, minimal deficit), then the Level of Preserved Neuro Function variable should ="T" (Thoracic), "L" (Lumbar), "S" (Sacral) or "X99" (Unknown).

If this variable = “4” (Tetraplegia, incomplete), “5” (Tetraplegia, complete), or "6" (Tetraplegia, minimal deficit), then the Level of Preserved Neuro Function variable should ="C" (Cervical) or "X99" (Unknown).

Patients with minimal deficit status must be coded:
- Neuro Impairment = “3” or “6”,
- Level Left and/or Level Right = any code other than “X00” and,
- ASIA Impairment Scale = “3” or “D”.

Patients with normal neurologic status must be coded:
- Neuro Impairment = “7” and,
- ASIA Impairment Scale = “4” or “E” and,
- all muscles in the ASIA Motor Index Score = “5” and,
- all ASIA Motor Index Score Subtotals = “50” and,
- ASIA Motor Index Score Total = “100” and,
- Sensory Level = “X00” and,
- Motor Level = “X00” and,
- Preserved Neuro Function = “X00”
FORM II: QC Status

VARIABLE NAME: Quality Control (QC) Status

DESCRIPTION: This variable determines which records have passed quality control and may be included the NSCISC database, national database (NatDat) and reports.

CHARACTERS: 1

CODES:  
1 Not passed QC  
2 Passed QC

COMMENTS: This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

Variable Aliases: For Data Analysis Only

Variable ID: 459
8-Character Description: BQCStat
VARIABLE NAME: Record Indate

DESCRIPTION: This is the date on which a particular record is first entered into the computer. It is a data management variable that is populated by the NSCISC. Once entered, this date never changes.

CHARACTERS: 10

FORMAT: mm/dd/yyyy

CODES: Any valid date

COMMENTS: This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

Indates do not always correlate with injury, admission or discharge dates. Gaps in Indates may be due to data submissions with software update revisions or new funding cycles that require variable conversions.

In most cases, the Indates are useful to identify the Syllabus that best defines a variable.

SOFTWARE: After a record is SAVED during the data-entry process, the computer inserts the present date in this variable.

REVISIONS: This variable was added October 1, 1986.

CONVERSIONS: Records entered prior to October 1, 1986 were converted to 10/01/1986.

Variable Aliases: For Data Analysis Only

Variable ID: 460

8-Character Description: BIndate
**FORM II: Update**

**VARIABLE NAME:** Record Update

**DESCRIPTION:** This is the last date on which an existing record was modified. This date changes each time a record is modified and saved.

**CHARACTERS:** 10

**FORMAT:** mm/dd/yyyy

**CODES:** Any valid date

**COMMENTS:** This is a data management variable that is generated by the NSCISC’s software. Users are not allowed to modify this variable.

**SOFTWARE:** After a record is SAVED during the data entry process, the computer inserts the present date in this variable (even if changes have not been made to the record.) Select "Exit without saving data" if you do not want the Update date to change.

Variable Aliases: For Data Analysis Only

**Variable ID:** 461

8-Character Description: BUpdate
THE NATIONAL SPINAL CORD INJURY DATABASE
PERSONAL DATA ENTRY

To be submitted on all patients - Registry and Form I patients

<table>
<thead>
<tr>
<th>System ID</th>
<th>Patient Number</th>
</tr>
</thead>
</table>

1. Record personal data

2. Alternate ID

3. Patient Name

4. Social Security Number

5. Date of Birth Modifier

6. Date of Birth

7. Address1

8. Address2

9. City

10. State

11. Zip Code

12. Phone1

13. Phone2

14. Email

15. Id

16. Relation

17. Address1

18. Address2

19. City

20. State


22. Phone

23. Email

24. Patient Notes:

<table>
<thead>
<tr>
<th>Contact 1</th>
<th>Contact 2</th>
<th>Contact 3</th>
</tr>
</thead>
</table>

NATIONAL SPINAL CORD INJURY STATISTICAL CENTER, BIRMINGHAM, AL

10/2011 Personal Data, Page 1
**VITAL STATUS**

1. Vital Status Source

2. Vital Status Form II Anniversary Year (auto-populates)

3. Vital Status Date 

**DEATH**

4. Date of Death Modifier

5. Date of Death

6. Cause(s) of Death

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Primary Cause (auto-populates ‘alive’ when Modifier equals 8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
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</tr>
<tr>
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<tr>
<td>4</td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NSCISC GENERATED**

Current Status

Form 1/Registry

Number of Form IIs Not Lost

Anniversary Year of Last Form II Followed (Not Lost)

Anniversary Year of Last Form II (Regardless of Category)

Last Form II Category of Care (Regardless of Category)

Last Form II Reason for Lost (Regardless of Category)
**THE NATIONAL SPINAL CORD INJURY DATABASE**

**REGISTRY DATA ENTRY**

System ID __  Patient Number __ __ __ __ __ __

**DATES AND LENGTH OF STAY**

1. Date of Injury .......................................................... (mm/dd/yyyy) __ __ __ / __ __ __ __ __
2. Date of First System Admission .................................. (mm/dd/yyyy) __ __ __ / __ __ __ __ __
3. Number of Days from Injury to First System Admission (auto-calculated) __ __ __
4. Date of Discharge ................................................... (mm/dd/yyyy) __ __ __ / __ __ __ __ __

**DEMOGRAPHIC**

5. Age At Injury .............................................................. __ __ __
6. Sex .............................................................................. __
7. Hispanic Origin .............................................................. __
8. Racial or Ethnic Group..................................................... __
9. Traumatic Etiology ........................................................... __
10. Place of Residence at Discharge ..................................... __ __ __
11. Resides in Catchment Area at Discharge .......................... __ __ __

**CHART REVIEW**

12. Vertebral Injury ............................................................ __ __ __
13. Associated Injury ........................................................... __ __ __
14. Spinal Surgery ............................................................... __ __ __
15. Utilization of Mechanical Ventilation at Discharge ................. __ __ __

**NEUROLOGIC EXAM**

<table>
<thead>
<tr>
<th>Initial System Exam</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>(day 1's only)</td>
<td></td>
</tr>
</tbody>
</table>

16. Neuro Exam Date Modifier ............................................. __ __ __
17. Date Neurologic Exam ............................................. mm dd yyyy / __ __ __ __ __ __ __ __
18. Sensory Level ........................................................... __ __ R __ __ L __ __ R __ __ L
19. Motor Level ............................................................... __ __ R __ __ L __ __ R __ __ L
20. Level Preserved Neurologic Function ................................ __ __ R __ __ L __ __ R __ __ L
21. Neuro Level of Injury-Single (auto-calculated) ..................... __ __ __ __ __ __ __ __
22. Any Anal Sensation ........................................................ __ __ __
23. Any Voluntary Anal Sphincter Contraction ............................. __ __ __
24. ASIA Impairment Scale .................................................. __ __ __
25. Category of Neurologic Impairment .................................... __ __ __

---

**NATIONAL SPINAL CORD INJURY STATISTICAL CENTER, BIRMINGHAM, AL**

10/2011  Registry v1, Page 1
THE NATIONAL SPINAL CORD INJURY DATABASE
FORM I DATA ENTRY

System ID __ __  Patient Number __ __ __ __ __ __ __ __ __

**DATES AND LENGTH OF STAY**

1. Date of Injury ........................................................................................................... (mm/dd/yyyy) __ __/__/____
2. Date of First System Admission ........................................................................... (mm/dd/yyyy) __ __/__/____
3. Date of First System Inpatient Rehab Modifier .....................................................
4. Date of First System Inpatient Rehab Admission Blank-No Rehab ...................(mm/dd/yyyy) __ __/__/____
5. Date of Discharge Any valid date (If deceased in System, enter date of death) ........(mm/dd/yyyy) __ __/__/____

**Number of Short term Discharge Days:**
6. During Acute From Admit to Medical/Surgical Care [acute] to Admit to Rehab ........... __ __
7. During Rehab From Admit to Rehab to Rehab Discharge .................................... __ __

**Number of Days from Injury to:**
8. First System Admission * ........................................................................................ __ __
9. First System Inpatient Rehab Admission * .......................................................... __ __

**Length of Stay - Number of Days Hospitalized in the System’s:**
10. Medical/Surgical Care Unit * ................................................................................ __ __
11. Inpatient Rehab Unit * .......................................................................................... __ __

**CHART REVIEW: DEMOGRAPHICS**

12. Age At Injury .......................................................................................................... __ __
13. Sex ............................................................................................................................ __
14. Place of Residence at:
   - Injury ..................................................................................................................... __
   - Discharge code permanent residence, not short term stays............................... __
15. Resides in Catchment Area at Discharge ............................................................. __
16. Geocode Modifier at Discharge ............................................................................ __
17. Geocodes at Discharge: Valid codes at American FactFinder: Census 2010 – (Blank if unknown)
   - StID State FIPS ID ............................................................................................... __
   - CoID County FIPS ID .......................................................................................... __
   - CTID Census Tract ID ........................................................................................... __
   - BGID Block Group ID ........................................................................................... __
   - BLID Block ID ....................................................................................................... __
18. Zip Code (must be valid data, not blank) .............................................................. __ __ __ __
**Cause of Injury**

19. Traumatic Etiology ................................................................. __

20. External Cause of Injury – *(ICD10-CM; add to interview if chart review provides insufficient info)* .......... __

**Chart Review**

21. Vertebral Injury .............................................................................. __

22. Associated Injury ........................................................................... __

23. Spinal Surgery *spinal surgical procedures following SCI* .................. __

24. Height during System *(inches)* ....................................................... __ __

25. Weight during System *(pounds)* .................................................... __ __

26. Utilization of Mechanical Ventilation:

    26A. Admit to Inpatient Rehab ...................................................... __

    26D. Discharge .............................................................................. __

27. Halo device at Rehab Discharge ........................................................ __

28. Thoracolumbosacral orthosis *(TLSO)* at Rehab Discharge .............. __

29. Method of Bladder Management at Rehab/System Discharge ........... __ __

30. FIM - Functional Independence Measure

    | Self Care          | Rehab Admit | Rehab Discharge |
    |-------------------|-------------|-----------------|
    | A. Eating         | __          | __              |
    | B. Grooming       | __          | __              |
    | C. Bathing        | __          | __              |
    | D. Dressing, Upper Body | __ | __ |
    | E. Dressing, Lower Body | __ | __ |
    | F. Toileting      | __          | __              |

    | Sphincter Control | Rehab Admit | Rehab Discharge |
    |-------------------|-------------|-----------------|
    | G. Bladder Management | __ | __ |
    | H. Bowel Management | __ | __ |

    | Mobility Transfer | Rehab Admit | Rehab Discharge |
    |-------------------|-------------|-----------------|
    | I. Bed, Chair, Wheelchair | __ | __ |
    | J. Toilet         | __          | __              |
    | K. Tub, Shower    | __          | __              |

    | Locomotion        | Rehab Admit | Rehab Discharge |
    |-------------------|-------------|-----------------|
    | L. Walk or Wheelchair | __ | __ |

    | LM. Mode of Locomotion | __ | __ |

    | M. Stairs          | __          | __              |

    | T. Total Motor Score | __*        | __*             |

Collect the FIM on those persons whose current age is 6 years or older
31. Exam Date Modifier ................................................................. __

32. Neurologic Exam Date .......................................................... (mm/dd/yyyy) __ __/ __/ __ __ __ __

## Motor Scores

| C2 | C3 | C4 | Elbow flexors (biceps, brachialis) C5 | Wrist extensors (extens carpi radialis longus & brevis) C6 | Elbow extensors (triceps) C7 | Finger flexors to the middle finger C8 | Small finger abductors(abductor digiti minimi) T1 | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | L1 | Hip flexors(iliopsoas) L2 | Knee extensors(quadriceps) L3 | Ankle dorsiflexors (tibialis anterior) L4 | Long toe extensors(extensor hallucis longus) L5 | Ankle plantarflexors(gastrocnemius, soleus) S1 | S2 | S3 | S4-5 | Sub-Total | Total |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

## Neurologic Levels

<table>
<thead>
<tr>
<th>Neurologic Levels</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>35. Sensory Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36. Motor Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37. Level Preserved Neurologic Function</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38. Neurologic Level of Injury</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

39. Any Anal Sensation ................................................................. __

40. Any Voluntary Anal Sphincter Contraction ................................................................. __

41. ASIA Impairment Scale ......................................................................................... __

42. Category of Neurologic Impairment: ........................................................................ __
### 31. Exam Date Modifier

<table>
<thead>
<tr>
<th>Light Touch</th>
<th>Pin Prick</th>
</tr>
</thead>
</table>

### 32. Neurologic Exam Date

```
(mm/dd/yyyy) __ / __ / __ __ __
```

### 33. Motor Scores & 34. Sensory Scores

<table>
<thead>
<tr>
<th>Light Touch</th>
<th>Pin Prick</th>
</tr>
</thead>
</table>

### 35. Sensory Level

### 36. Motor Level

### 37. Level Preserved Neurologic Function

### 38. Neurologic Level of Injury

<table>
<thead>
<tr>
<th>Light Touch</th>
<th>Pin Prick</th>
</tr>
</thead>
</table>

### 39. Any Anal Sensation

### 40. Any Voluntary Anal Sphincter Contraction

### 41. ASIA Impairment Scale

### 42. Category of Neurologic Impairment
### REHAB/SYSTEM DISCHARGE

31. Exam Date Modifier ............................................................................................................

32. Neurologic Exam Date .....................................................................................................

#### 33. ASIA Motor & 34. Sensory Scores

<table>
<thead>
<tr>
<th></th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Touch</td>
<td>Pin Prick</td>
<td></td>
</tr>
<tr>
<td>C2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elbow flexors (biceps, brachialis) C5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wrist extensors (extens carpi radialis longus &amp; brevis) C6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elbow extensors (triceps) C7</td>
<td></td>
<td></td>
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<tr>
<td>Finger flexors to the middle finger C8</td>
<td></td>
<td></td>
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<tr>
<td>Small finger abductors (abductor digiti minimi) T1</td>
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<td>T2</td>
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<tr>
<td>L1</td>
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<tr>
<td>Hip flexors (iliopsoas) L2</td>
<td></td>
<td></td>
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<tr>
<td>Knee extensors (quadriceps) L3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ankle dorsiflexors (tibialis anterior) L4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long toe extensors (extensor hallucis longus) L5</td>
<td></td>
<td></td>
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<tr>
<td>Ankle plantarflexors (gastrocnemius, soleus) S1</td>
<td></td>
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<tr>
<td>S2</td>
<td></td>
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<tr>
<td>S3</td>
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</table>

#### Neurologic Levels

<table>
<thead>
<tr>
<th></th>
<th>Right</th>
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</thead>
<tbody>
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<td>37. Level Preserved Neurologic Function</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38. Neurologic Level of Injury*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

39. Any Anal Sensation ........................................................................................................

40. Any Voluntary Anal Sphincter Contraction ....................................................................

41. ASIA Impairment Scale ..................................................................................................

42. Category of Neurologic Impairment ..................................................................................
** 43. Do you have a Latino or Hispanic background? ................................................................. __

** 44. What race are you? Caucasian, African-American, American Indian, Asian, Multiracial, Other? ................ _

** 45. How would you rate your ability to speak and understand English? ................................................................. __

** 46. At the time of your spinal cord injury, what was your marital status? ................................................................. __

** 47. What is the highest education level that you have completed? Tech or trade schools do not apply ......................... __

** 48. At the time of your injury, what was your occupational status? Read list and stop when response is given ........... __

** 49. Job Code if working: What was your job title or responsibilities? ................................................................. __

**50. Is your spinal cord injury work related? .........................................................................................

! 51. Which category best describes your total Family Income? ............................................................................... __

** 52. Are You A Veteran Of The U.S. Military Forces? (includes active duty and retired but not reservist) ..................... __

** 53. What is your primary health insurance? .................................................................................................

**MEDICAL HISTORY (PRIOR TO INJURY)**

! 54. Prior to your injury, had you ever been told by a health professional that you had depression? ...................................

! 55. Prior to your injury, … post-traumatic stress disorder, panic disorder or generalized anxiety disorder? ....................

** 56. Prior to your injury, had you ever been told by a health professional that you had diabetes or high blood sugar? __

**AUDIT C (DURING YEAR BEFORE INJURY)**

! 57. During the year before your SCI, how often did you have a drink containing alcohol? ............................................ __

! 58. During …, how many drinks containing alcohol did you have on a typical day when you were drinking? ............ __

! 59. During …, how often did you have six or more drinks on one occasion? .......................................................... __

**TRAUMATIC BRAIN INJURY ASSESSMENT (AT TIME OF INJURY)**

** 60. At time of your SCI, how long were you knocked out or did you lose consciousness (LOC)? ................................ __

** 61. At time of your SCI, were you dazed or did you have a gap in your memory from the injury? ............................ __

62. Probable TBI Severity * ................................................................................................................................. __
DATES AND LENGTH OF STAY

1. Date of Injury ................................................................. (mm/dd/yyyy) __ __/__/__ __ __ __ __

2. Date of First System Admission ................................................................. (mm/dd/yyyy) __ __/__/__ __ __ __ __

3. Date of First System Inpatient Rehab Modifier .................................................................
   1. Date Completely Known
   8. Not Applicable, no System inpatient rehab

4. Date of First System Inpatient Rehab Admission Blank-No Rehab ........................................ (mm/dd/yyyy) __ __/__/__ __ __ __ __

5. Date of Discharge Any valid date (If deceased in System, enter date of death) ........................................ (mm/dd/yyyy) __ __/__/__ __ __ __ __

Number of Short term Discharge Days:

6. During Acute From Admit to Medical/Surgical Care [acute] to Admit to Rehab ...................................................... 0-887. Valid Range
   888. Not Applicable, not admitted to Medical/Surgical Care OR Yes, short-term discharge days, number days unknown
   999. Unknown

7. During Rehab From Admit to Rehab to Rehab Discharge ........................................................................... 0-887. Valid Range
   888. Not Applicable, not admitted Rehab OR Yes, short-term discharge days, number days unknown
   999. Unknown

Number of Days from Injury to:

8. First System Admission* ................................................................................................. __ __ __ __

9. First System Inpatient Rehab Admission* ................................................................................................. __ __ __ __

Length of Stay - Number of Days Hospitalized in the System’s:

10. Medical/Surgical Care Unit* ................................................................................................. __ __ __ __

11. Inpatient Rehab Unit* ................................................................................................. __ __ __ __

DEMOGRAPHICS

12. Age At Injury ................................................................................................. 0-120. Valid range (0 = Less than 1 year of age)

13. Sex .........................................................................................................................
   1. Male
   2. Female
   3. Other, Transgender
   9. Unknown
14. Place of Residence at:
   Injury ........................................................................................................................................................................ __ __

   Discharge code permanent residence, not short term stays........................................................................................____ __
   1. Private Residence: house, apt, hogan, mobile home, foster home, condo, boat, indv residence in a retirement village, etc.
   2. Hospital: mental hospital, hospital in a retirement village
   3. Nursing Home: medi-center, skilled nursing facilities, institutions licensed as hospitals but providing long-term, etc.
   4. Group Living Situation: transitional living facility, dormitory (school, church, college), military barracks, etc.
   5. Correctional Institution: prison, penitentiary, jail, correctional center, etc.
   6. Hotel/motel: YWCA, YMCA, guest ranch, inn, etc
   7. Deceased (valid in discharge position only)
   8. Other, unclassified
   9. Homeless: cave, car, tent, etc.
   10. Assisted Living
   99. Unknown

15. Resides in Catchment Area at Discharge ................................................................. __ __
   0. No
   1. Yes
   8. Not applicable, patient discharged as deceased
   9. Unknown

16. Geocode Modifier at Discharge .............................................................................................. __ __
   0. Address not found in recommended look-up
   1. All fields known
   2. Only State, County, Census Tract ID & Block Group known
   3. Only State, County & Census Tract ID known
   4. Only State & County known
   5. Only State known
   6. Out of country residence
   7. Participant declined
   8. Not applicable, patient discharged as deceased
   9. Unknown

17. Geocodes at Discharge: Valid codes at American FactFinder: Census 2010 – (Blank if Unknown)

   StID. State FIPS ID ............................................................................................................................................. __ __
   CoID. County FIPS ID ............................................................................................................................................ __ __
   CTID. Census Tract ID ......................................................................................................................................... __ __ __ __
   BGID. Block Group ID ...........................................................................................................................................
   BLID. Block ID ...................................................................................................................................................... __ __ __ __

18. Zip Code (must be valid data, not blank) ........................................................................... __ __ __ __ __
   Valid Zip code
   77777 Declined
   88888 Not applicable, patient discharged as deceased
   99999 Unknown
**CAUSE OF INJURY**

19. Traumatic Etiology *(see Data Dictionary)* .................................................................

20. External Cause of Injury - add pertinent ‘Cause of Injury’ questions to interview if chart review
does not provide full coding information *(see Appendix E to code exactly as written in ICD10-CM)* ..............................

**CHART REVIEW**

21. Vertebral Injury spinal fracture and/or dislocation in addition to the spinal cord injury. .....................................................

0. No
1. Yes
9. Unknown

22. Associated Injury

Moderate to severe TBI: non-vertebral fractures requiring surgery; severe facial injuries affecting sensory organs; major chest
injury; traumatic amputations of an arm or leg, or injuries severe enough to require surgical amputation; severe hemorrhaging;
damage to internal organ requiring surgery

0. No
1. Yes
9. Unknown

23. Spinal Surgery spinal surgical procedures following SCI. .................................................................

0. No
1. Yes
9. Unknown

24. Height *(inches)* May be collected by ‘self-report’ during System. ..............................................................

5 – 100 Valid Range
999. Unknown, No rehab admit

25. Weight *(pounds)* Weigh using a digital calibrated scale during System, preferably at Rehab Admit. ..........................

1-887. Valid range
888. Patient weighs more than 887 lbs
999. Unknown/No System rehab admission

26. Utilization of Mechanical Ventilation:

A. Admit to Inpatient Rehab .................................................................

0. No
D. Discharge ............................................................................................................

0. No
1. Yes, limited, short-term use for pulmonary complications
2. Yes, ventilator-dependent or ventilator use requiring a weaning process
3. Yes, phrenic nerve stimulator

27. Halo device at Rehab Discharge .................................................................

0. No
1. Yes
9. Unknown/No rehab admit

28. Thoracolumbosacral orthosis (TLSO) at Rehab Discharge .................................................................

0. No
1. Yes
9. Unknown/No rehab admit
29. Method of Bladder Management at Rehab/System Discharge

0. None: neurogenic bladder but does not follow any established program of bladder management. (diapers, pampers, etc.)

Indwelling Catheter:
1. Indwelling urethral catheter: Bladder emptied by any type of catheter which is maintained through the urethra (i.e. Foley).
2. Indwelling catheter w/ augmentation/continent diversion: Bladder emptied by catheter maintained through stoma.

Catheter Free With External Collector: (external collector is a condom catheter or Texas Catheter, not diaper or urinal)
3. Catheter free with external collector, no sphincterotomy
4. Catheter free with external collector and sphincterotomy
5. Catheter free with external collector, sphincterotomy unknown
6. Catheter free without external collector: Patient voids satisfactorily using any method of reflex stim or form of extrinsic pressure. An external collector is not required in that the patient has developed adequate continence.

Intermittent Catheterization Program (ICP):
7. ICP only
8. ICP with external collector (condom catheter, not diaper or urinal)
9. ICP after augmentation or continent diversion
10. ICP – external collector, augmentation or continent diversion unknown

Other
11. Conduit: bladder drained by surgical techniques using portions of intestinal tract not categorized as bladder augmentation.
12. Suprapubic Cystostomy: bladder drained by surgical techniques using a catheter through a suprapubic orifice (i.e. SP).
13. Normal Micturition: The patient voids satisfactorily without using reflex stimulation or extrinsic bladder pressure voiding techniques. The bladder, however, may or may not have completely normal function.
14. Other: All other bladder drainage techniques

99. Unknown

30. FIM

<table>
<thead>
<tr>
<th>Self Care</th>
<th>Rehab Admit</th>
<th>Rehab Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Eating</td>
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<tr>
<td>B. Grooming</td>
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<tr>
<td>C. Bathing</td>
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<td>D. Dressing, Upper Body</td>
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<tr>
<td>E. Dressing, Lower Body</td>
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<tr>
<td>F. Toileting</td>
<td></td>
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<tr>
<td>G. Bladder Management</td>
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<tr>
<td>H. Bowel Management</td>
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<tr>
<td>I. Bed, Chair, Wheelchair</td>
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<tr>
<td>J. Toilet</td>
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<tr>
<td>K. Tub, Shower</td>
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<tr>
<td>L. Walk or Wheelchair</td>
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<tr>
<td>LM. Mode of Locomotion</td>
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<td>M. Stairs</td>
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<tr>
<td>T. Total Motor Score</td>
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</tbody>
</table>

Collect the FIM on those persons whose current age is 6 years or older.
31. Exam Date Modifier  1 Date known; 8 Not done; 9 Unknown; .......................................................... __

32. Neurologic Exam Date ...........................................................(mm/dd/yyyy)  __/__/__/__/__/__

<table>
<thead>
<tr>
<th>33. Motor Score</th>
<th>Right</th>
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<tbody>
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<td>C2</td>
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<tr>
<td>Elbow flexors (biceps, brachialis) C5</td>
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<tr>
<td>Wrist extensors (extens carpi radialis longus &amp; brevis) C6</td>
<td></td>
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<tr>
<td>Elbow extensors (triceps) C7</td>
<td></td>
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<tr>
<td>Finger flexors to the middle finger C8</td>
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<tr>
<td>Small finger abductors(abductor digiti minimi) T1</td>
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<tr>
<td>Hip flexors(iliopsoas) L2</td>
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<tr>
<td>Knee extensors(quadiceps) L3</td>
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<td>Ankle plantarflexors(gastrocnemius, soleus) S1</td>
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<td>S2</td>
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<td>S4-5</td>
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</tbody>
</table>

Subtotal *

Total *

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39. Any Anal Sensation  0 No; 1 Yes; 8 Not Testable; 9 Unkn.......................................................... __

40. Any Voluntary Anal Sphincter Contraction  0 No; 1 Yes; 8 Not Testable; 9 Unkn.......................................................... __

41. ASIA Impairment Scale: A Comp; B Incomp; C Incomp; D Incomp; E Norm; U Unkn/Not Done; .......................................................... __

42. Category of Neurologic Impairment: .......................................................... __

<table>
<thead>
<tr>
<th>Neurologic Levels (C01, ... S03, C99, T99, L99, S99, X99, X00)</th>
<th>Right</th>
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</tr>
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<tbody>
<tr>
<td>35. Sensory Level</td>
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<td>36. Motor Level</td>
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<td>37. Level Preserved Neurologic Function</td>
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<tr>
<td>38. Neurologic Level of Injury*</td>
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FORM I  NEUROLOGIC EXAM

31. Exam Date Modifier  1 Date known; 8 Not done; 9 Unknown .................................................................  
32. Neurologic Exam Date ........................................................................................................... (mm/dd/yyyy)  __/__/____  

<table>
<thead>
<tr>
<th>33. Motor Scores &amp; 34. Sensory Scores</th>
<th>Light Touch</th>
<th>Pin Prick</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Right</td>
<td>Left</td>
</tr>
<tr>
<td>C2</td>
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Neurologic Levels (C01, ... S03, X00, C99, T99, L99, S99, X99)  

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36. Motor Level  
37. Level Preserved Neurologic Function  
38. Neurologic Level of Injury*  

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40. Any Voluntary Anal Sphincter Contraction 0 No; 1 Yes; 8 Not Testable; 9 Unkn ..........................................................  
41. ASIA Impairment Scale: A Comp; B Incomp; C Incomp; D Incomp; E Norm; U Unkn/Not Done/No Rehab Admit ....  
42. Category of Neurologic Impairment: .........................................................................................................................  

1 Para-Incomp; 2 Para-Comp; 3 Para-MinDef; 4 Tetra-Incomp; 5 Tetra-Comp; 6 Tetra-MinDef; 9 Unkn/Not Done/No Rehab Admit  

National Spinal Cord Injury Statistical Center, Birmingham, AL  
3/2015  
Form I Interview v2.1, Page 6
31. Exam Date Modifier 1 Date known; 8 Not Done; 9 Unknown ............................................................... __

32. Neurologic Exam Date ...........................................................(mm/dd/yyyy) __/__/___/___/___

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34 Subtotal *auto calculated

35 Total *auto calculated

<table>
<thead>
<tr>
<th>Neurologic Levels (C01, ... S03, X00, C99, T99, L99, S99, X99)</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>35. Sensory Level</td>
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1 Para-Incomp; 2 Para-Comp; 3 Para-MinDef; 4 Tetra-Incomp; 5 Tetra-Comp; 6 Tetra-MinDef; 9 Unkn/Not Done
Primary source of data: variables marked with ! are gathered from participant only; ** denotes primary source by interview.

Thanks for agreeing to participate. I have some questions that will take 5 - 10 minutes to complete. Feel free to stop me if you have any questions and remember that you may decline to answer any question. May I call you ___________________ (first name). Confirm Date of Birth

If needed, add: We are collecting this data because it has been shown to be important when trying to understand different health behaviors and outcomes so that programs can be developed to meet the needs of different groups.

** 43 Do you have a Latino or Hispanic background? ........................................................................................................................................................................__
   0. Not Hispanic or Latino.
   1. Hispanic or Latino: Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race. The term "Spanish origin" or "Hispanic or Latin" may be used.
   7. Declined/Participant doesn’t know
   9. Unknown

** 44 Race: What race are you…? Read categories - stop when identified.................................................................................................................................__
   1. White or Caucasian: origins in any of the original peoples of Europe, the Middle East, or North Africa.
   2. Black or African American: origins in any of the black racial groups of Africa. Terms such as "Haitian," "Dominican," or "Somali" can be used in addition to "Black or African American."
   3. American Indian/Alaska Native: origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.
   4. Asian or Pacific Islander - origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. Native Hawaiian/Other Pacific Islander: Origins in any original peoples of Hawaii, Guam, Samoa, or other Pacific Islands
   5. Some Other Race, Multiracial
   7. Declined/Participant doesn’t know
   9. Unknown

** 45 How would you rate your ability to speak and understand English? Read categories - stop when identified........................................__
   1. Very Well
   2. Well
   3. Not Well
   4. Not at all
   5. Speaks English but ability not measured
   7. Declined/Participant doesn’t know
   9. Unknown/Interview not done

** 46 At the time of your spinal cord injury, what was your marital status? ..............................................................................................................................__
   1. Never Married (Single): a person who has never married
   2. Married: a person who is legally married
   3. Divorced: a person who is legally divorced
   4. Separated: includes both legal separations and living apart from a married partner
   5. Widowed
   6. Other, unclassified
   7. Living with significant other or partner
   9. Unknown

** 47 What is the highest education level that you have completed? Tech or trade schools do not apply. .......................................................__
   1. 8th grade or less
   2. 9th through 11th
   3. HS/GED
   4. Associate Degree
   5. Bachelors Degree
   6. Masters Degree
   7. Doctorate
   8. Other, Unclassified
   9. Unknown
Now I am going to ask you about some employment related questions.

**48. At the time of your injury, what was your occupational status? .................................................................................................................. ___

1. Working (legally employed)
2. Homemaker (requires at least 1 other person living in home)
3. On the job training
4. Sheltered Workshop
5. Retired
6. Student (includes ages 0 – 5)
7. Unemployed
8. Other (includes temporary disability/medical leave, illegal work or paid-under-the-table)
9. Unknown

**49. Job Code: If working just prior to SCI, what was your job title (or responsibilities)? ................................................................. __ __
__________________________________________________________________________________________________________

**50. Is your spinal cord injury work related? ........................................................................................................................................... __

0. No
1. Yes
9. Unknown

!51. I am going to read a list of income categories. Tell me which category best describes your total Family Income for the past year. Include the income of any family member who was living with you, as well as your own income when choosing the category. Read categories ................................................................................................................................................. __

Prompt if needed: We don’t need to know the exact amount, can you give me your best guess, is it (read categories)?

1. < $25,000
2. $25,000 – $49,999
3. $50,000 – $74,999
4. > $75,000
6. Participant doesn’t know
7. Declined
9. Unknown/Interview not done

If the participant wants to know why: Income is very important in understanding why health outcomes and access to health care are different for different groups of people. Income categories are also used to help develop health and community programs that will best meet the needs of people from different backgrounds.

**52. Are You A Veteran Of The U.S. Military Forces? (includes active duty and retired) ................................................................. ___

0. No
1. Yes
9. Unknown

**53. What is your primary health insurance? Read categories ................................................................................................................................................. __

1. Private Insurance (includes ‘no-fault’, BCBS, United Health, Humana, etc.)
2. Medicare
3. Medicaid
4. Worker’s Compensation
5. Veterans Administration
6. Other Government (e.g. Bureau of Indian Affairs; Crippled Children’s Services; Dept. Voc Rehab)
7. No Pay (indigent, no resources)
8. Private funds (e.g., self-pay; hometown fund raisers)
9. Other, unclassified (e.g., Champus; TRICARE; SCI system patient care funds, Homebound, victim’s assistance funds, etc.)
77. Declined/ Participant doesn’t know
99. Unknown
MEDICAL HISTORY (PRIOR TO INJURY)

The next 3 questions are about your medical history:

54. Prior to your SCI, had you ever been told by a health professional that you had depression? ........................................__
   Exclude bipolar, adjustment disorder, grief, or bereavement.
   0. No
   1. Yes
   7. Declined/Participant doesn’t know
   9. Unknown/Interview not done

55. Prior to your spinal cord injury, had you ever been told by a health professional that you had Post-Traumatic Stress Disorder (PTSD), Panic Disorder or Generalized Anxiety Disorder (GAD)? (if multiple, code the first diagnosis) .... __
   0. No
   1. Yes, Post-traumatic Stress Disorder (PTSD)
   2. Yes, Panic Disorder
   3. Yes, Generalized Anxiety Disorder (GAD)
   4. Multiple diagnoses, first diagnosis unknown
   7. Declined/Participant doesn’t know
   9. Unknown/Interview not done

56. Prior to your SCI, had you ever been told by a health professional that you have diabetes or high blood sugar? (If yes,) do you control it by medication, diet and/or exercise, or no method of control? ............................................................................................ __
   0. No
   1. Yes, controlled by medication (oral or injection)
   2. Yes, controlled by diet and/or exercise (no meds)
   3. Yes, but no method of control
   4. Yes, but unknown method of control
   7. Declined/Participant doesn’t know
   9. Unknown

AUDIT C (DURING YEAR BEFORE INJURY)  IF 18 OR OLDER

Now I am going to ask you some questions about your use of alcoholic beverages during the year before your SCI. Because alcohol use can affect many areas of health and may interfere with certain medications, it is important to know how much you usually drink. Please try to be as honest and as accurate as you can be. Remember, anything you share with us is confidential and you may refuse to answer any question.

57. During the year before your spinal cord injury, how often did you have a drink containing alcohol? Read categories (one standard drink = one 12 ounce bottle of beer; one shot = 1.5 ounces of hard liquor; or one 5 ounce glass of wine) .......... __
   0. None
   1. Once a month or less
   2. 2 to 4 times a month
   3. 2 to 3 times a week
   4. 4 or more times a week
   7. Declined/Participant doesn’t know
   9. Unknown/Interview not done/No rehab/Under 18

58. During the year before your SCI, how many drinks containing alcohol did you have on a typical day when you were drinking? ............................................................................................................. __
   0. None
   1. 1 or 2
   2. 3 or 4
   3. 5 or 6
   4. 7 to 9
   5. 10 or more
   7. Declined/Participant doesn’t know
   9. Unknown/Interview not done/No rehab/Under 18
+ 59. During the year before your SCI, how often did you have six or more drinks on one occasion? ...................................  
  0. None  
  1. Less than monthly  
  2. Monthly  
  3. Weekly  
  4. Daily or almost daily  
  7. Declined/ Participant doesn’t know  
  9. Unknown/Interview not done/No rehab/Under 18  

TRAUMATIC BRAIN INJURY ASSESSMENT (AT TIME OF INJURY)  
** 60. At the time of your injury, were you knocked out or did you lose consciousness (LOC)? If yes, for how long? .............................  
  0. No LOC  
  1. LOC not exceeding 30 minutes  
  2. LOC between 30 minutes and 24 hours  
  3. LOC exceeds 24 hours  
  7. Declined/Participant doesn’t know  
  9. Unknown  

** 61. At the time of your injury, were you dazed or did you have a gap in your memory from the injury? .................................  
  0. Not dazed or no memory gap  
  1. Yes, dazed or had a memory gap  
  7. Declined/Participant doesn’t know  
  9. Unknown  

* 62. Probable TBI Severity ......................................................................................................................................................................................  

Do you have Height and External Cause of Injury: ________________________________________________________________  

Discharge Address: _________________________________________________________________________________  

Discharge Phone: ___________________________  Email: ________________________________________________  

That’s the end of our interview. Thanks very much for your time. Do you have any questions about this study? We will be phoning or mailing you again in about 1 year for your first anniversary interview and then at every 5th anniversary of your injury. Let us know if you move or your phone number changes. If we are not able to contact you with the information you gave us, we will try your alternate contacts. Please let them know that they are listed as alternate contacts and that you want to stay in touch with the SCI Model System study.  

Center Notes about family/hobbies/interests (This is not entered to the national database. This is for Center use only):  

_____________________________________________________________________________  
_____________________________________________________________________________  
_____________________________________________________________________________  

_____________________________________________________________________________  
_____________________________________________________________________________  

_____________________________________________________________________________  

_____________________________________________________________________________
THE NATIONAL SPINAL CORD INJURY DATABASE
FORM II DATA ENTRY

OFFICE USE ONLY

2. Category of Follow up Care ........................................................................................................... __

3. Reason for Lost .............................................................................................................................. __

4. Interview Date Modifier ............................................................................................................... __

5. Date of Interview ......................................................... (mm/dd/yyyy) __/__/__/____ __

6. How was interview conducted?.................................................................................................... __

SYSTEM EXAM

7. System Exam Date Modifier ....................................................................................................... __

8. Date of System Exam ......................................................... (mm/dd/yyyy) __/__/__/____ __

9. Weight at System Exam (lbs) ..................................................................................................... __

DEMOGRAPHICS

10. Place of Residence ...................................................................................................................... __

11. Live in catchment area ............................................................................................................... __

12. Geocode Modifier ...................................................................................................................... __

13. Geocodes

   StID. State FIPS ID ......................................................................................................................... __

   CoID. County FIPS ID .................................................................................................................... __

   CTID. Census Tract ID ................................................................................................................... __

   BGID. Block Group ID ................................................................................................................__

   BLID. Block ID ............................................................................................................................ __

14. Zip Code (must be valid data, not blank) ................................................................................__

15. Marital status .............................................................................................................................. __

16. Changes in marital status ......................................................................................................... __

17. Highest level of education completed ...................................................................................... __

WORK AND INCOME

18. Primary Occupational, Educational, or Training Status ............................................................ __

19. Job Code ..................................................................................................................................... __

20. Family Income category in last year ........................................................................................__
TECHNOLOGY

21. Computer use .............................................................. __
22. Require assistance to use a computer .............................................................. __
23. Require additional assistive device(s) or technology to use a computer ______ | ______ | ______ | ______ | ______ | ______
24. Access the Internet or Email ........................................................................... __
25. Access the Internet or Email with a mobile device .............................................. __
26. Own a cell phone ............................................................................................... __

SATISFACTION WITH LIFE

+! 27. In most ways, my life is close to my ideal. ......................................................... __
+! 28. The conditions of my life are excellent .............................................................. __
+! 29. I am satisfied with my life.................................................................................... __
+! 30. So far I have gotten the important things I want in life. ...................................... __
+! 31. If I could live my life over, I would change almost nothing. .............................. __
+! 32. Total Satisfaction With Life Score* ...................................................................... __

PHQ-2

+! 33. Over the past two weeks, how often have you been bothered by little interest or pleasure in doing things? __
+! 34. Over the past two weeks, how often have you been bothered by feeling down, depressed or hopeless? __

HEALTH RELATED

35. Height: How tall are you? (inches) .......................................................................... __
36. Sources for health and disability news and/or information ................................... __| __| __| __| __| __
+! 37. In general, would you say that your health is excellent, very good, good, fair, or poor? .................................................. __
+! 38. Compared to 1 year ago, rate your health now .................................................... __

PAIN

+! 39. What is your usual level of pain over the last 4 weeks? ........................................__
+! 40. Pain interference during the last 4 weeks........................................................____

BLADDER MANAGEMENT

41. What is your current primary method of bladder management? ................................__
42. If change from last interview, what is the reason for change in bladder management (most recent)? ............ __

MEDICAL HISTORY

43. In the past 12 months, have you had a Urinary tract infection (UTI) that required antibiotics? ...................... __
44. In the past 12 months, have you had a pressure sore with open/broken skin? .......................... __
45. In the past 12 months, have you been told by a health professional that you have depression? ..................... __
46. In the past 12 months, have you been told by a health professional that you have PTSD... GAD? .............. __
47. Have you ever been told by a health professional that you have diabetes or high blood sugar? ................__
48. Do you smoke cigarettes every day, some days, or not at all? ................................................. __
50. Number of Rehospitalization(s) *

51. Number of Days Rehospitalized *

**VA SERVICES**

52. *If a veteran, have you received any VA health care services since last interview?*

**HEALTH INSURANCE**

53. What is your primary health insurance?

**AUDIT C: Alcohol Use**

+ 54. In the last 12 months, how often did you have a drink containing alcohol?

+ 55. In the last 12 months, how many drinks did you have on a typical day when you were drinking?

+ 56. In the last 12 months, how often did you have six or more drinks on one occasion?

**+ CHART**

+ 57. How many hours of Paid Assistance do you typically receive in 24 hours?

+ 58. Hours Unpaid Assistance do you typically receive in 24 hours?

+ 59. *In a typical day,* how many hours are you out of bed?

+ 60. *In a typical week,* how many days do you get out of the house and go somewhere?

+ 61. In the *last year,* how many nights have you spent away from home?

+ 62. How many hours a week do you spend working at a job for which you get paid?

+ 63. How many hours a week do you spend in school, working toward a degree, or accredited program?

+ 64. How many hours a week do you spend involved in parenting, housekeeping, and food preparation?

+ 65. How many hours a week do you spend involved in Home Maintenance or home improvements?

+ 66. How many hours per week do you engage in a hobby or recreational activity?

+ 67. Do you live with your spouse, significant other or partner (SOP)?

+ 68. Of the people you live with, how many are relatives? *Exclude self and spouse or SO/P*

+ 69. How many business or organizational associates do you visit, phone, or write to at least once a month?

+ 70. How many friends do you visit, phone, e-mail, or write to at least once a month?

+ 71. *With how many strangers have you initiated a conversation within the last month?*

**CHART SUBTOTALS ARE AUTO-POPULATED WHEN TABBED THROUGH:**

72. Physical Independence*

73. Mobility*

74. Occupation*

75. Social Integration*
MOBILITY

76. Do you use a wheelchair or scooter over 40 hours per week? .............................................................. __

77. What type of wheelchair do you use most often? ...................................................................................... __

78. Are you able to walk (with or without mobility aid) for 150 feet in your home? ........................................ __

79. Are you able to walk (with or without mobility aid) for one street block outside? ........................................ __

80. Are you able to walk (with or without mobility aid) up one flight of steps? ................................................ __

81. Tell me which of the mobility aids you currently use most often. .............................................................. __| __| __| __

82. What type of modified vehicle do you (or your family) own? ................................................................. __

83. Do you drive the modified vehicle? ........................................................................................................... __

84. FIM – FUNCTIONAL INDEPENDENCE MEASURE – must be at least 6 year old

| Self Care | A. Eating ........................................... ___ |
| B. Grooming........................................... ___ |
| C. Bathing ........................................... ___ |
| D. Dressing, Upper Body ................... ___ |
| E. Dressing, Lower Body ................... ___ |
| F. Toileting ........................................... ___ |

| Sphincter Control | G. Bladder Management/Acc ...... ___ / ___ |
| H. Bowel Management/Acc ...... ___ / ___ |

| Mobility Transfer | I. Bed, Chair, Wheelchair .......... ___ |
| J. Toilet ......................... ................... ___ |
| K. Tub, Shower ......................... ................... ___ |

| Locomotion | L. Walk or Wheelchair................. ___ |
| L.M. Mode of Locomotion............. ___ |
| M. Stairs ......................... ................... ___ |

| FIM Total Score | * ........................................... ___ |

First Anniversary (Year 1) Requires Mechanical Vent and Annual Neuro Exam

85. If year 1: Since discharge, have you used mechanical ventilation? ......................................................... __
YEAR 1 NEURO EXAM *Year 1 is required, all other years are optional.*

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<tr>
<th>86. Motor Scores &amp; 87. Sensory Scores</th>
<th>Right</th>
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<th>Light Touch</th>
<th>Pin Prick</th>
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<td>Elbow flexors (biceps, brachialis) C5</td>
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<td>Wrist extensors (extens carpi radialis longus &amp; brevis) C6</td>
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<td>Elbow extensors (triceps) C7</td>
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<td>Finger flexors to the middle finger C8</td>
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<td>Small finger abductors(abductor digiti minimi) T1</td>
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<td>Hip flexors(iliopsoas) L2</td>
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<td>Long toe extensors(extensor hallucis longus) L5</td>
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<td>Ankle plantarflexors(gastrocnemius, soleus) S1</td>
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<th>Neurologic Levels</th>
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<td>88. Sensory Level</td>
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<td>89. Motor Level</td>
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<td>90. Level Preserved Neurologic Function</td>
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<td>91. Neurologic Level of Injury*</td>
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92. Any Anal Sensation .......................................................... __
93. Any Voluntary Anal Sphincter Contraction ................................. __
94. ASIA Impairment Scale .......................................................... __
95. Category of Neurologic Impairment ......................................... __
Hi, This is ____________. I am calling from ____________

Am I talking to ______________________________________?

If No, When may I call back to reach ____________________ (participant)?

If Yes, -- I’m calling because, when you were first hospitalized following your spinal cord injury, you agreed to answer questions about your experiences living with a spinal cord injury. This is your ______ year follow-up. The information that you and others provide is collected and used to determine such things as leading causes of re-hospitalization and how people adapt to spinal cord injuries. Your name and the information that you provide are kept absolutely private. The interview takes about 35 minutes, [and you will be paid (amount) for your participation]. Do you have time to complete this interview now?

If no, Should I call back at a better time (get more than one time if possible) or another number? (as a last resort, offer to mail the interview) ______________________________________________________

(If participant declines interview, gently probe ‘why’, but do not push. Complete as Reason Lost=5 ’Refused this time’. If participant withdraws consent, code this Form II as Reason Lost=6 and complete a Withdrawn Form which is signed by the PD/PI).

Why refused: ____________________________________________________________

If Yes: Thank you. Before we start I want to remind you that my name is (interviewer’s first name). May I call you ________? (asking to use participant’s first name will help to establish trust, but always use formal Mr/Ms and participant’s last name unless given permission to do otherwise). Okay, (participant’s name) You can stop me at any time if you have a question - or let me know if you prefer not to answer any questions.

2. Category of Follow up Care .................................................................................................................... __
3. Reason for Lost ........................................................................................................................................... __
4. Interview Date Modifier ........................................................................................................................... __
5. Date of Interview ................................................................................................. (mm/dd/yyyy) /__ / __________
6. How was interview conducted? ................................................................................................................... ___

SYSTEM EXAM

Have you already, or are you planning to come into ________________ (The System) for an exam?

7. System Exam Date Modifier .................................................................................................................... __
8. Date of System Annual Exam ................................................................................................................. (mm/dd/yyyy) /__ / __________
9. Weight at System Exam (lbs) .................................................................................................................. __________

NATIONAL SPINAL CORD INJURY STATISTICAL CENTER, BIRMINGHAM, AL

10/2011 Form II Interview v2.3, Page 1
First, I am going to ask you some basic questions:

10. Currently, what type of residence are you living in? Place of Residence .................................................................
    1. Private Residence (includes individual residence in a retirement village)
    2. Hospital
    3. Nursing Home
    4. Group Living (TL unit, dorm/military/boarding school or home/boy’s ranch, religions order resident)
    5. Correctional Institution
    6. Hotel/Motel (includes YWCA,YMCA)
    7. Other
    8. Homeless
    9. Assisted Living
    99. Unknown/Interview not done

11. Do you live in _______________(catchment area?) ............................................................
    0. No
    1. Yes
    9. Unknown/Interview not done

What is your current address: (permanent, not short term stay; update Personal Data if applicable)

Phone 1: ___________________________ Phone 2: ___________________________ Email: ___________________________

12. Geocode Modifier ....................................................................................................................................................

13. StID. State FIPS ID ..............................................................................................................................................
    CoID. County FIPS ID ........................................................................................................................................
    CTID. Census Tract ID .................................................................................................................................
    BGID. Block Group ID ..............................................................................................................................
    BLID. Block ID ...........................................................................................................................................

14. Zip Code ...........................................................................................................................................................

ALTERNATE CONTACTS:
Sometimes unexpected events happen and you may move or change your phone number. For this reason, we would like to have contact information of a few people who are close to you and who will let us know how to get ahold of you. We will only contact these people if, at your next interview (4 or 5 years from now), we are unable to contact you with the information that we have.

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</table>
15. What is your current marital status? .............................................................................................................................
   1. Never married (Single)
   2. Married
   3. Divorced
   4. Separated
   5. Widow
   6. Other, unclassified
   7. Living with Significant Other/Partner
   8. Widowed + Marriage (M+W)
   9. Divorce, marriage, widowed (any order)
   10. Significant other/partner (change in living with)
   11. Unknown/Interview not done

16. Has your marital status changed since (date and code of last known) ........................................................................
   0. No Change
   1. Divorce
   2. Marriage
   3. Widowed
   4. Divorce + Marriage (M+D)
   5. Widowed + Marriage (M+W)
   6. Divorce, marriage, widowed (any order)
   7. Other
   8. Significant other/partner (change in living with)
   9. Unknown/Interview not done

17. What is the highest level of education you’ve completed? Last known: .................................................................
   Tech or trade schools do not apply.
   1. 8th grade or less
   2. 9th through 11th
   3. HS Diploma/GED
   4. Associate Degree
   5. Bachelors Degree
   6. Masters Degree
   7. Doctorate
   8. Other, Unclassified
   9. Unknown/Interview not done

WORK AND INCOME

18. Currently, what is your Primary Occupational Status? (read list) ..............................................................................
   1. Working
   2. Homemaker
   3. On the job training
   4. Sheltered Workshop
   5. Retired
   6. Student includes ages 0 - 5
   7. Unemployed
   8. Other (includes disability leave and medical leave)
   9. Unknown/Interview not done

19. Job Code: If working, what is your job title (or responsibilities)? ...................................................................................
20. I am going to read a list of income categories. Please tell me which category best describes your total
Family Income in the last year. By total family income we mean any income of yours plus any family
member’s income living with you. Is your total Family Income (read categories) .............................................................. __

1. Less than $25,000
2. $25,000 – $49,999
3. $50,000 – $74,999
4. $75,000 or more
5. Participant doesn’t know
6. Declined
7. Unknown/ Interview not done

If pt is not sure, say: We don’t need to know the exact amount, can you give me your best guess, is it (read categories)?
If pt wants to know why: Income is very important in understanding why health outcomes and access to health care are different for
different groups of people. Income categories are also used to help develop health and community programs that will best meet the
needs of people from different backgrounds.

TECHNOLOGY
These next questions ask about technology use:

21. Do you use a computer or electronic device like a netbook or smartphone at home, outside the home or both? ........ __

0. No, I do not use a computer
1. Yes, I use a computer at home only
2. Yes, I use a computer outside the home only
3. Yes, I use a computer at home and outside the home
4. Unknown/Interview not done

22. Do you require assistance from another person to use a computer? ................................................................. __

0. No, I use a computer without assistance from another person.
1. Yes, I use a computer with assistance from another person.
2. N/A, Does not use a computer
3. Unknown/Interview not done

23. Do you require assistive device(s) or technology to use a computer? If yes, which one is the most frequently used device?
(Read from list) Do you use any others? Code most frequently used device first. ...... __ | __ | __ | __ | __

0. No assistive device(s)
1. Brace or Splint
2. Modified or onscreen keyboard
3. Adapted Mouse
4. Trackball
5. Bluetooth Joystick
6. Speech recognition
7. Head pointing infrared device/technology
8. Other, Unclassified
88. N/A, does not use a computer
99. Unknown/Interview not done

24. Do you access email or the internet? If yes, how often? ........................................................................................................ __

0. Uses a computer but never uses the internet and never uses email
1. Daily (5-7 Days every week of the month)
2. Weekly (less than 5 days per week and more than 3 days per month)
3. Monthly (3 days or less per month)
4. N/A, does not use a computer
5. Unknown/Interview not done
25. **Do you use a mobile device to access your email or the internet?** .................................................................
   *If yes, do you use a:* (Read list, record primary device)
   0. No, internet access occurs but not from a mobile device
   1. Cell phone/Smartphone
   2. Portable Media Player (iPod, Zune, etc)
   3. Netbook/Tablet (iPad)
   4. PDA
   6. Other, Unclassified
   8. N/A, does not access the internet or email
   9. Unknown/Interview not done

26. **Do you own a cell phone?** .................................................................
   0. No
   1. Yes
   9. Unknown/Interview not done

*SATISFACTION WITH LIFE (only if 18 or older)*
Shifting gears now, I am going to read 5 statements about how you feel your life is going, indicate if you agree or disagree with each statement on a scale from 1 to 7, where 1 is ‘strongly disagree’ to 7 is ‘strongly agree’. There are no right or wrong answers so please be open with your responses.

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<thead>
<tr>
<th>1</th>
<th>Strongly Disagree</th>
<th>2</th>
<th>Disagree</th>
<th>3</th>
<th>Slightly Disagree</th>
<th>4</th>
<th>Neither Agree nor Disagree</th>
<th>5</th>
<th>Slightly Agree</th>
<th>6</th>
<th>Agree</th>
<th>7</th>
<th>Strongly Agree</th>
<th>8</th>
<th>Decline</th>
<th>9</th>
<th>Unknown/18/No Intv</th>
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<tbody>
<tr>
<td>27.</td>
<td>In most ways my life is close to my ideal.</td>
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<td>28.</td>
<td>The conditions of my life are excellent.</td>
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<td>29.</td>
<td>I am satisfied with my life.</td>
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<td>30.</td>
<td>So far I have gotten the important things I want in life.</td>
<td>.................................................................</td>
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<td>31.</td>
<td>If I could live my life over, I would change almost nothing.</td>
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<tr>
<td>32.</td>
<td>Total Satisfaction With Life Score*</td>
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*PHQ-2 Patient Health Questionnaire-2 (only if 18 or older)*
The next 2 questions ask about how you’ve been feeling.

33. **Over the past two weeks, how often have you been bothered by little interest or pleasure in doing things?** ....... ____
   *If not sure, ‘did you lose interest or pleasure in things you usually enjoy?’ If still unsure, ‘Did you have to force yourself to do things?’ You may accept words like: “DON’T CARE”, “NO MOTIVATION”, “WITHDRAWN”.
   0. Not At All
   1. Several days (1 – 7 days)
   2. More than half the time (8 – 12 days)
   3. Nearly every day (13 – 14 days)
   7. Declined
   9. Unknown/ interview not done/ respondent’s current age is less than 18

34. **Over the past two weeks, how often have you been bothered by feeling down, depressed or hopeless?** ............ ____
   0. Not At All
   1. Several days (1 – 7 days)
   2. More than half the time (8 – 12 days)
   3. Nearly every day (13 – 14 days)
   7. Declined
   9. Unknown/ interview not done/ respondent’s current age is less than 18
F
ORM
II
INTERVIEW

System ID
Patient Number
1. Post-injury Year __

Now, I am going to ask about your health and health related issues:

35. How tall are you? Are you an amputee? (if amputee code as 999. Unknown) ____(inches) ______
   5-100 inches - Valid range
   999. Unknown, amputee

36. (If Year 1, ask since discharge) In the past 12 months which of the following has been your primary source for health and disability news and/or information (read list) Do you use any other sources? (Code primary source 1st) ____________
   1. Newspaper
   2. Television
   3. Radio
   4. Internet (if no internet use, do not code #4 internet use)
   5. Other print material (magazines, newsletters, pamphlets, books, etc.)
   6. Educational video, DVD, CD
   7. Other sources
   8. Conversations with family or friends
   9. Conversations with health care professionals
   88. N/A, no access, pt does not seek news or information
   99. Unknown/interview not done

+! 37. In general, would you say that your health is (read list) ____________
   1. Excellent
   2. Very Good
   3. Good
   4. Fair
   5. Poor
   6. Participant doesn’t know
   7. Declined
   9. Unknown/ Interview not done/ <18

+! 38. (If Year 1, ask since discharge) Compared to 1 year ago, how would you rate your health now? (read list) ____________
   1. Much better now
   2. Somewhat better than a year ago
   3. About the same
   4. Somewhat worse
   5. Much Worse
   6. Participant doesn’t know
   7. Declined
   9. Unknown/ Interview not done/ <18

PAIN

+! 39. Using a 0-10 scale with 0 being no pain and 10 being pain so severe you could not stand it, what has been your usual level of pain over the past 4 weeks? Valid range 0 – 10; 99Unknown, <18 yrs ____________

+! 40. During the past 4 weeks, how much did pain interfere with your normal work including both work outside the home and housework (or usual activities)? (read list) ____________
   0. Not at all
   1. A little bit
   2. Moderately
   3. Quite a bit
   4. Extremely
   6. Participant doesn’t know
   7. Declined
   8. N/A, no pain in the last 4 weeks
   9. Unknown/not done/<18

NATIONAL SPINAL CORD INJURY STATISTICAL CENTER, BIRMINGHAM, AL

3/2014

! Participant responses only, + must be 18 years or older
Form II Interview v2.3, Page 6
**BLADDER MANAGEMENT**

Now, I'd like to find out about your Method of Bladder Management.

41. What is your primary type of bladder management?

   0. None: neurogenic bladder but does not follow any established program of bladder management (diapers, pampers, etc.)

   **Indwelling Catheter:**
   1. Indwelling urethral catheter: Bladder emptied by any type of catheter which is maintained through the urethra (i.e. Foley).
   2. Indwelling catheter w/ augmentation/continent diversion: Bladder emptied by catheter maintained through stoma.

   **Catheter Free With External Collector:** (external collector examples: condom catheter or Texas Catheter, not diaper or urinal)
   3. Catheter free with external collector, no sphincterotomy
   4. Catheter free with external collector and sphincterotomy
   5. Catheter free with external collector, sphincterotomy unknown
   6. Catheter free without external collector: Patient voids satisfactorily using any method of reflex stim or form of extrinsic pressure. An external collector is not required in that the patient has developed adequate continence.

   **Intermittent Catheterization Program (ICP):**
   7. ICP only
   8. ICP with external collector (condom catheter or Texas Catheter, not diaper or urinal)
   9. ICP after augmentation or continent diversion
   10. ICP – external collector, augmentation or continent diversion unknown

   **Other**
   11. Conduit: bladder drained by surgical techniques using portions of intestinal tract not categorized as bladder augmentation.
   12. Suprapubic Cystostomy: bladder drained by surgical techniques using a catheter through a suprapubic orifice (i.e. SP).
   13. Normal Micturition: The patient voids satisfactorily without using reflex stimulation or extrinsic bladder pressure voiding techniques. The bladder, however, may or may not have completely normal function.
   14. Other: All other bladder drainage techniques
   99. Unknown

42. Has your bladder management changed since (last known)_______? If yes, what was the reason for the most recent change? Read list .................................................................

   0. No change from last known bladder management
   1. Regained bladder control
   2. Completed ICP training
   3. Medical complication/condition
   4. Physician/nurse recommendation
   5. Old method no longer effective
   6. Accommodate work
   7. Accommodate lifestyle
   8. Personal choice
   9. Other
   77. Participant doesn’t know
   99. Unknown

**MEDICAL HISTORY**

These next 4 questions are about your medical history within the last 12 months.

43. **(If Year 1, since discharge)** In the past 12 months, have you had a urinary tract infection (UTI) that required treatment with antibiotics? If yes, did you have chills or fever?

   0. No
   1. Yes, but no chills or fever
   2. Yes, with chills or fever
   3. Yes, chills and fever unknown
   7. Declined, Participant doesn’t know
   9. Unknown
44. (If Year 1, since discharge) In the past 12 months, have you had a pressure sore with open/broken skin?
That is, there was an opening in the skin - not just a red patch. ................................................................. 
0. No
1. Yes
7. Declined/Participant doesn’t know
9. Unknown

45. (If Year 1, since injury) In the past 12 months, have you been told by a health professional that you have depression? __
Exclude bipolar, adjustment disorder, grief or bereavement.
0. No
1. Yes
7. Declined/Participant doesn’t know
9. Unknown

46. (If Year 1, since injury) In the past 12 months, have you been told by a health professional that you have Post-traumatic stress disorder (PTSD), panic disorder or generalized anxiety disorder? If > 1, code first diagnosed ............ __
0. No
1. Yes, Post-traumatic Stress Disorder (PTSD)
2. Yes, Panic Disorder
3. Yes, Generalized Anxiety Disorder (GAD)
4. Multiple diagnoses, first diagnosis unknown
7. Declined/Participant doesn’t know
9. Unknown/Interview not done

47. Has a health professional ever told you that you have diabetes or high blood sugar? (If yes) do you control it by medication, diet and/or exercise, or no method of control? ................................................................. __
0. No
1. Yes, controlled by medication (oral or injection)
2. Yes, controlled by diet and/or exercise (no meds)
3. Yes, but no method of control is used
4. Yes, but unknown method of control
7. Declined/Participant doesn’t know
9. Unknown

48. If 16 or older, Do you smoke cigarettes every day, some days, or not at all? ................................................................. __
0. Not At All
1. Some Days
2. Every Day
7. Declined/Participant doesn’t know
9. Unknown

49. Rehospitalizations Have you been hospitalized (overnight) in the last 12 months? (If yr 1, since discharge) ...........

<table>
<thead>
<tr>
<th>Hospital Name/Location</th>
<th>49D. # of Days</th>
<th>49R. Reason</th>
<th>Code</th>
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</table>

50. Number of Rehospitalization(s) - Total*................................................................................................. __
51. Number of Days Rehospitalized - Total* .................................................................................................... __
52. Are you a veteran?  If no, code as 8. Not a vet and go to next question.

If yes: Have you received any health care services at a VA medical system since  date and code of last Known? ............

0. No services, but participant is a Veteran
1. Yes
8. Not a veteran
9. Unknown/ Interview not done

53. What is your primary health insurance? (read list) ..............................................................

1. Private Insurance (includes 'no-fault', BCBS, United Health, Humana, etc)
2. Medicare
3. Medicaid
4. Worker’s Compensation
5. Veterans Administration
6. Other Government (e.g. Bureau of Indian Affairs; Crippled Children’s Services; Dept. of Vocational Rehab)
7. No Pay (indigent, no resources)
8. Private funds (e.g., self-pay; hometown fund raisers)
9. Other, unclassified (e.g., SCI system patient care funds, Homebound, victim's assistance funds, etc.)
77. Declined/ Participant doesn’t know
99. Unknown/ Interview not done

AUDIT C: Alcohol Use  (18 and older)

Now I am going to ask you some questions about your use of alcoholic beverages in the last 12 months. Because alcohol use can affect many areas of health and may interfere with certain medications, it is important to know how much you usually drink. Please try to be as honest and as accurate as you can be. Remember, anything you share with us is confidential and you are not required to answer any question.

+! 54. (If Year 1, since discharge) In the last 12 months, how often did you have a drink containing alcohol? (Read list-one standard drink equals one 12 ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5 ounce glass of wine) ..... 

0. Never
1. Once a month or less
2. 2 to 4 times a month
3. 2 to 3 times a week
4. 4 or more times a week
7. Declined/ Participant doesn’t know
9. Unknown/ Under 18 years old

+! 55. (If Year 1, since discharge) In the last 12 months, how many drinks containing alcohol did you have on a typical day when you are drinking? ..............................................................

0. None
1. 1 or 2
2. 3 or 4
3. 5 or 6
4. 7 to 9
5. 10 or more
7. Declined/ Participant doesn’t know
9. Unknown/ Under 18 years old

+! 56. (If Year 1, since discharge) In the last 12 months, how often did you have six or more drinks on one occasion? ..... 

0. Never
1. Less than monthly
2. Monthly
3. Weekly
4. Daily or almost daily
7. Declined/ Participant doesn’t know
9. Unknown/ Under 18 years old
Now I am going to ask about how you spend your time:

How many hours in a typical 24-hour day do you have someone with you to provide physical assistance for personal care activities such as eating, bathing, dressing, toileting and mobility?

+ 57. Hours of Paid Assistance in 24 hours (nursing home, LTC = 24 hours of paid care) ......................................................

+ 58. Hours Unpaid Assistance in 24 hours (only include hours of physical assistance) ..........................................................

+ 59. In a typical day, how many hours are you out of bed? (What time do you get up _____ am/pm and what time do you go to bed _____ am/pm. Routine naps taken in bed are counted as part of hours in bed.) ........................................

+ 60. In a typical week, how many days do you get out of the house and go somewhere? ..................................................

+ 61. In the last year, how many nights have you spent away from home? (Not in the Hospital, but on vacation, visiting family, holiday stays, etc) ..................................................................................
  0. None
  1. 1-2 nights
  3. 3-4 nights
  5. 5 or more nights
  9. Unknown/not done/<18

+ 62. How many hours a week do you spend working in a job for which you get paid? ..................................................
  (Legal employment only)

+ 63. How many hours a week do you spend in school, working toward a degree or an accredited technical training program? (Include studying and class time) .........................................................

+ 64. How many hours a week do you spend involved in parenting, housekeeping, and food preparation? ..........
  (Actively supervising/parenting)

+ 65. How many hours a week do you spend involved in Home Maintenance, such as gardening, house repairs, cutting grass or home improvements? .................................................................

+ 66. How many hours per week do you spend in recreational activities such as sports, exercise, playing cards or going to movies? (Not watching TV) .................................................................

Now I am going to ask some questions about your interactions with other people:

+ 67. Do you live with your spouse, significant other or partner (SOP)? .................................................................
  0. No (does not live with spouse, significant other/partner)
  1. Lives with spouse or significant other/partner (SO/P)
  2. Lives with unrelated roommate and/or attendant
  8. Not applicable, lives alone
  9. Unknown, interview not done

+ 68. Of the people you live with, how many are relatives? (Exclude self and spouse or SO/P) .................................

+ 69. How many business or organizational associates do you visit, phone, email or write to at least once a month? (Church or groups, clubs) Valid Range: 0 - 10 (10 = 10 or more); 99. Unknown, <18 years .................................................................
70. How many friends (non-relatives, business/organizational associates) do you visit, phone, e-mail, or write to at least once a month? .................................................................
   0. No friends
   1. 1 friend
   2. 2 friends
   3. 3 friends
   4. 4 friends
   5. 5 or more friends
   9. Unknown, < 18 years

71. With how many strangers have you initiated a conversation within the last month? (placing orders, ...) ............... 
   0. None
   1. 1-2 people
   3. 3-5 people
   6. 6 or more people
   9. Unknown, < 18 years

CHART SUBTOTALS ARE AUTO-CALCULATED:

72. Physical Independence * .................................................................
73. Mobility * ......................................................................................
74. Occupation * ...................................................................................
75. Social Integration * .......................................................................... 

MOBILITY:

76. Do you use a wheelchair or scooter over 40 hours a week? ..............................................................................
   0. No
   1. Yes
   9. Unknown/ Interview not done

77. What type of wheelchair do you use most often? .............................................................................................
   1. Manual Wheelchair
   2. Power Wheelchair
   3. Power Assist Wheelchair
   4. Scooter
   7. Other (e.g. golf cart)
   8. Not applicable, not over 40 hours
   9. Unknown/Interview not done

78. Are you able to walk (with or without mobility aid) for 150 feet in your home? ........................................................
   0. No
   1. Yes
   9. Unknown

79. Are you able to walk (with or without mobility aid) for one street block outside? ...................................................
   0. No
   1. Yes
   9. Unknown/ interview not done

80. Are you able to walk (with or without mobility aid) up one flight of steps? (at least 12 steps) .................................
   0. No
   1. Yes
   9. Unknown/ interview not done
81. Tell me which of the mobility aids you currently use most often. (read list) Do you use any others?

(up to 5 items that apply) ......................................................................................................................................... ||||
0. None
1. Straight Cane
2. Quad cane
3. Walker
4. Crutches
5. AFO Brace (Ankle - Foot Orthotic)
6. KAFO (Knee-Ankle-Foot-Orthotic)
7. Other
8. Not ambulatory
9. Unknown/ interview not done

82. What type of modified vehicle do you (or your family) own? .............................................................................................................

0. No, does not own modified vehicle (next question = 8))
1. Car or SUV
2. Van
3. Other (modified truck or motorcycle)
4. Combination (car & van, …)
9. Unknown/ interview not done

83. Do you drive the modified vehicle? .............................................................................................................................................

0. No
1. Yes, I drive it from my wheelchair
2. Yes, I drive but not from a wheelchair
8. Does not own a modified vehicle
9. Unknown/ interview not done
My next set of questions is about your activities of daily living.

84. FIM – Functional Independence Measure *(must be at least 6 years old)*

**Self Care**

A. Eating

B. Grooming

C. Bathing

D. Dressing, Upper Body

E. Dressing, Lower Body

F. Toileting

**Sphincter Control**

G. Bladder Management/Acc

H. Bowel Management/Acc

**Mobility Transfer**

I. Bed, Chair, Wheelchair

J. Toilet

K. Tub, Shower

**Locomotion**

L. Walk or Wheelchair

**LM. Mode of Locomotion**

M. Stairs

T. Total FIM score *

7 Independent (No devices, No Helper)

6 Modified Independence (device, time, safety issue)

5 Supervision/set up, coaxing, cueing

4 Minimal Assist (Pt => 75% effort)

3 Moderate Assist (Pt => 50% effort)

2 Maximal Assist (Pt =>25% effort)

1 Total Assist (Pt < 25% effort)

9 Unknown/Interview not done/less than 6

These are helpful hints, see Data Dictionary for details:

A. Eating-brings food to the mouth, chews & swallows.

B. Grooming-oral care, hair grooming, washes hands, washes face, (shaving or applying makeup is optional)

C. Bathing-washes, rinses and dries body from neck down (excluding the neck and back); ten body parts included (each accounting for 10% of total): chest, left arm, right arm, abdomen, perineal area, buttocks, left upper leg, right upper leg, left lower leg (including foot) and right lower leg (including foot). % of each part increases if pt is amputee.

D & E. Dressing- applies and removes clothing appropriate for public, includes prosthesis or orthosis. *Stays in hospital gown /doesn’t get dressed = 1*

F. Toileting: adjusts clothing 1. before & 2. after, and 3. hygiene after toilet, bedpan, or urinal. Score as 3 parts with 33% for each. Score voiding & bowels - Record lower score

G. Bladder Mgt- Controls bladder. Devices: urinal, bedpan, catheter, absorbent pad, diaper, urinary collecting device, or diversion or meds for control. Must clean, sterilize, & set up equip for irrigation. Empties, puts on, removes, cleans bags.


**Frequency Modifier for Bladder & Bowel:**

7 – No accidents in last 7 days.

6 – Uses equip with no accidents in last 7 days.

5 – 1 accident or spill in last 7 days.

4 – 2 accidents or spills in last 7 days.

3 – 3 accidents or spills in last 7 days.

2 – 4 accidents or spills in last 7 days.

1 – 5+ accidents or spills in last 7 days.

If helper cleans up, code 1.

I.-K. Transfers If walking: The subject approaches, sits /lays down and gets up. If in a wheelchair: The subject approaches, locks brakes, lifts foot rests, removes arm rests if necessary and does either a standing pivot or sliding transfer and returns. For bed to chair transfer the subject begins and ends lying down (face up).

L. Wheelchair: never code 7 if using wheelchair.

6-independently operates manual or motorized 150 ft., & maneuvers around furniture, rugs and door sills.

5-operates as above but from 50 ft (household); or requires standby, cueing or coaxing to go 150 ft.

4-performs 75% or more of 150 ft; 3-performs 50 to 74% of 150 ft; 2-performs 25 to 49% of 50 ft & requires 1 person; 1-performs <24% of 50 ft or requires 2 people or wheels less than 50 ft

L. Walk: 7-at least 150 ft (50 meters) independently

6-at least 150 ft w/ support or takes time or safety issue

5-as above but only 50 ft w/ support, or takes time; or requires standby, coaxing, or cueing to go 150 ft; 4-performs 75% or more of 150 ft; 3-performs 50 to 74% of 150 ft; 2-performs 25 to 49% of 50 ft & requires 1 person; 1-performs <24% of 50 ft, or requires 2 people, or goes less than 50 ft

M. Stairs: up and down 12 to 14 steps:

6-uses handrail for support, or timely, or safety issue.

5-independent with 4 to 6 steps w or w/o support; or requires coaxing, cueing or standby to go 12 – 14 steps
85. **First Anniversary Only:** Since discharge from rehab, have you used a mechanical ventilator? ................................. 
0. No  
1. Yes, limited, short-term use for pulmonary complications  
2. Yes, ventilator-dependent or ventilator use requiring a weaning process  
3. Yes, phrenic nerve stimulator  
9. Unknown

Thanks for sharing this information and your time. With your information, the SCI Model Systems will continue to help improve medical treatment for SCI. We will be contacting you in about 5 years (or 4 years if Year 1) for your next interview.

Please keep us informed if you move or get a new phone number. Do you have any questions about this study? You may want to relate pertinent resources for the participant: MSKTC, your System’s website, NSCISC website, etc.

You may want to confirm the address to send incentive.

Record notes about the interview. These notes are not submitted to the National Database but may provide useful tips for the next interview.

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________
### Year 1 Neurologic Exam

*Year 1 neuro exams are required; all other years are optional.*

You may attach an ASIA exam form in place of transcribing individual Motor and Sensory Scores (86 & 87).

### 86. Motor Scores & 87. Sensory Scores

<table>
<thead>
<tr>
<th>Motor Scores</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2</td>
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<td></td>
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<tr>
<td>C3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elbow flexors (biceps, brachialis) C5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wrist extensors (extens carpi radialis longus &amp; brevis) C6</td>
<td></td>
<td></td>
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<tr>
<td>Elbow extensors (triceps) C7</td>
<td></td>
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<tr>
<td>Finger flexors to the middle finger C8</td>
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</tr>
<tr>
<td>Small finger abductors (abductor digiti minimi) T1</td>
<td></td>
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<td>T2</td>
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<td>T12</td>
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<td>L1</td>
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<tr>
<td>Hip flexors (iliopsoas) L2</td>
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<tr>
<td>Knee extensors (quadriceps) L3</td>
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<tr>
<td>Ankle dorsiflexors (tibialis anterio) L4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long toe extensors (extensor hallucis longus) L5</td>
<td></td>
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</tr>
<tr>
<td>Ankle plantarflexors (gastrocnemius, soleus) S1</td>
<td></td>
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<tr>
<td>S2</td>
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<td>S3</td>
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<tr>
<td>S4-S5</td>
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</tbody>
</table>

**Subtotal**

**Total**

### Neurologic Levels (C01, ... S03, C99, T99, L99, S99, X99, X00)

<table>
<thead>
<tr>
<th>Neurologic Levels</th>
<th>Right</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>88. Sensory Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>89. Motor Level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90. Level Preserved Neurologic Function</td>
<td></td>
<td></td>
</tr>
<tr>
<td>91. Neurologic Level of Injury*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 92. Any Anal Sensation

0 No; 1 Yes; 8 Not testable; 9 Unkn

### 93. Any Voluntary Anal Sphincter Contraction

0 No; 1 Yes; 8 Not testable; 9 Unkn

### 94. ASIA Impairment Scale

A Comp; B Incomp; C Incomp; D Incomp; E Norm; U Unkn/Not Done

### 95. Category of Neurologic Impairment

1 Para-Incomp; 2 Para-Comp; 3 Para-MinDef; 4 Tetra-Incomp; 5 Tetra-Comp; 6 Tetra-MinDef; 9 Unkn/Not Done
Mailed Interview Instructions:

1. Personalize the intro and the ending to include:
   - Name of Model System and Rehab facility
   - Name of Data collector & contact information
   - If provided, incentive information
   - If provided, SASE envelope for return

2. Fill in date of ‘last known values’ for questions # 16, 42, & 52

3. Do NOT include this page when sending the questionnaire

4. FIM is not included in the mailed Form II – attempt to administer the FIM by phone.

<table>
<thead>
<tr>
<th>Question</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Category of Follow up Care</td>
<td>.................................................................</td>
</tr>
<tr>
<td>3. Reason for Lost</td>
<td>.................................................................</td>
</tr>
<tr>
<td>4. Interview Date Modifier / Date known; 8 Interview not done</td>
<td>.................................................................</td>
</tr>
<tr>
<td>5. Date of Interview</td>
<td>................................................................. (mm/dd/yyyy)</td>
</tr>
<tr>
<td>6. How was interview conducted?</td>
<td>.................................................................</td>
</tr>
<tr>
<td>7. System Exam Date Modifier</td>
<td>.................................................................</td>
</tr>
<tr>
<td>8. Date of System Annual Exam</td>
<td>................................................................. (mm/dd/yyyy)</td>
</tr>
<tr>
<td>9. Weight at System Exam (lbs)</td>
<td>.................................................................</td>
</tr>
</tbody>
</table>
THE NATIONAL SPINAL CORD INJURY DATABASE
FORM II – MAILED

System ID __ __ Patient Number __ __ __ __ __ __ __ __ 1. Post-injury Year __ __

Participant Name: ___________________________________________ Date: ______________

When you were first hospitalized following your spinal cord injury, you agreed to answer questions about your experiences living with a spinal cord injury. This is your ___ year follow-up. The information that you and others provide is collected and used to determine such things as leading causes of re-hospitalization and how people adapt to spinal cord injuries. Your name and the information that you provide are kept absolutely private. If you have questions, or would prefer to complete the questions by phone, please call this number __________. 

Have you already, or are you planning to come into our Rehab clinic for an annual examination?
0 □ No
1 □ Yes
9 □

If yes, when? __________________________

What is your current address:
__________________________________________________________
__________________________________________________________

Phone number? Hm: ___________ Cell: ___________ Email address ________________

10. In what type of residence do you live?
1 □ Private Residence (includes apartment and individual residence in a retirement village)
2 □ Hospital
3 □ Nursing Home
4 □ Group Living (TL unit, dorm/military/boarding school or home/boy's ranch, religions order resident)
5 □ Correctional Institution
6 □ Hotel/Motel (includes YWCA,YMCA)
8 □ Other/Unclassified
9 □ Homeless
10 □ Assisted Living
99

For Office Use Only
11. Catchment area ................................................................. __
12. Geocode Modifier .............................................................. __
13. StID. State FIPS ID .............................................................. __
     CoID. County FIPS ID ...................................................... __ __ __ __
     CTID. Census Tract ID ..................................................... __ __ __ __ __ __
     BGID. Block Group ID ..................................................... __ __ __ __
     BLID. Block ID ................................................................ __ __ __ __ __ __
14. Zip Code (must be valid data, not blank) ____________________________ __ __ __ __ __ __

NATIONAL SPINAL CORD INJURY STATISTICAL CENTER, BIRMINGHAM, AL
12/2011 Special thanks to Northwest Regional SCI System, University of Washington, Seattle WA Form II Mail Interview v2.2, Page 1
15. What is your current marital status?

1  ☐ Never married
2  ☐ Married
3  ☐ Divorced
4  ☐ Separated
5  ☐ Widow
6  ☐ Other, unclassified
7  ☐ Living with Significant Other/Partner
8  ☐

16. Has your marital status changed since our last interview ____________?

0  ☐ No Change
1  ☐ Divorce
2  ☐ Marriage
3  ☐ Widowed
4  ☐ Divorce + Marriage (any order)
5  ☐ Widowed + Marriage (any order)
6  ☐ Divorce, marriage, widowed (any order)
7  ☐ Other
8  ☐ Change in living situation with significant other/partner
9  ☐

17. What is the highest level of education you have completed?

(Tech or trade schools do not apply.)

1  ☐ 8th grade or less
2  ☐ 9th through 11th grade
3  ☐ High School Diploma/GED
4  ☐ Associate Degree (A.A. – Junior College degree)
5  ☐ Bachelors Degree
6  ☐ Masters Degree
7  ☐ Doctorate (Ph.D., M.D., law degrees, etc.)
8  ☐ Other, Unclassified (3-year nursing degree, special education)
9  ☐

**WORK AND INCOME**

18. Currently, what is your primary occupational status?

1  ☐ Working (legally employed)
2  ☐ Homemaker
3  ☐ On the job training
4  ☐ Sheltered Workshop
5  ☐ Retired
6  ☐ Student (includes ages 0 – 5)
7  ☐ Unemployed
8  ☐ Other (includes disability leave, medical leave, paid-under-the-table work)
9  ☐

19. If working, what is your job title (or responsibilities)? _______________________________

___________________________________________
20. Which category best describes your total Family Income in the last year? By total family income we mean any income of yours plus any family member’s income living with you. Is your total Family Income

1  □  Less than $25,000
2  □  $25,000 – $49,999
3  □  $50,000 – $74,999
4  □  $75,000 or more
6  □  Don’t know
7  □  Decline to answer
9  □

21. Do you use a computer or other electronic device like a netbook or smartphone at home, outside the home or both?

0  □  No, I do not use a computer or electronic device (Questions 22 – 24 will be ‘8 or 88. I do not use a computer’)
1  □  Yes, I use a computer at home only.
2  □  Yes, I use a computer outside the home only.
3  □  Yes, I use a computer at home and outside the home.
9  □

22. Do you require assistance from another person to use a computer?

0  □  No, I use a computer without assistance from another person.
1  □  Yes, I use a computer with assistance from another person.
8  □  I do not use a computer or electronic device
9  □

23. Do you require assistive device(s) or technology to use a computer? Please check all devices that you use and rank them by frequency of use (write your ranking to the left of the item: 1st 2nd 3rd ect..).

__0  □  No, I do not use any assistive device(s)
__1  □  Brace or splint
__2  □  Modified or onscreen keyboard
__3  □  Adapted Mouse
__4  □  Trackball
__5  □  Bluetooth joystick
__6  □  Speech recognition
__7  □  Head pointing infrared device/technology
__8  □  Other, unclassified
88  □  I do not use a computer or electronic device
99  □

24. Do you access email or the Internet? If yes, how often?

0  □  I use a computer but I never use the internet or email
1  □  Daily (5-7 days every week of the month)
2  □  Weekly (less than 5 days per week and more than 3 days per month)
3  □  Monthly (3 days or less per month)
8  □  I do not use a computer or electronic device
9  □
25. Do you use a mobile device to access your email or the internet? If yes, please check the device you use most often.

0 ☐ No, I do not use a mobile device to access email or the Internet
1 ☐ Cell phone/Smartphone
2 ☐ Portable Media Player (iPod, Zune, etc)
3 ☐ Netbook/Tablet (iPad)
4 ☐ PDA
6 ☐ Other, Unclassified
8 ☐ I do not access the internet or email
9 ☐

26. Do you own a cell phone?

0 ☐ No
1 ☐ Yes
9 ☐

Satisfaction With Life

Using the scale provided, please circle the number that best corresponds to how much you agree or disagree with the following statements. There are no right or wrong answers so please be open with your responses.

<table>
<thead>
<tr>
<th></th>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Slightly Disagree</th>
<th>Neither Agree nor Disagree</th>
<th>Slightly Agree</th>
<th>Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>27. In most ways my life is close to my ideal.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>28. The conditions of my life are excellent.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>29. I am satisfied with my life.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>30. So far I have gotten the important things I want in life.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>31. If I could live my life over, I would change almost nothing.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>
33. Over the past two weeks, how often have you been bothered by little interest or pleasure in doing things?
   *In other words, ‘did you lose interest or pleasure in things you usually enjoy?’ Or ‘Did you have to force yourself to do things?’*

   0 ☐ Not at all
   1 ☐ Several days (1 – 7 days)
   2 ☐ More than half the time (8 – 12 days)
   3 ☐ Nearly every day (13 – 14 days)
   7 ☐ Decline to answer

34. Over the past two weeks, how often have you been bothered by feeling down, depressed or hopeless?

   0 ☐ Not at all
   1 ☐ Several days (1 – 7 days)
   2 ☐ More than half the time (8 – 12 days)
   3 ☐ Nearly every day (13 – 14 days)
   7 ☐ Decline to answer

**HEALTH AND RELATED ISSUES**

35. How tall are you? __________

36. In the past 12 months which of the following have been sources for health and disability news and/or information. Indicate the rank to the left of each source. If this is your 1st anniversary since your injury, tell us about the time since your discharge from inpatient rehab. (Identify your primary source by checking the line in front of the source. Additional ranking is not required).

   __1 ☐ Newspaper
   __2 ☐ Television
   __3 ☐ Radio
   __4 ☐ Internet
   __5 ☐ Other print material *(magazines, newsletters, pamphlets, books, etc.)*
   __6 ☐ Educational video, DVD, CD
   __7 ☐ Other sources
   __8 ☐ Conversations with family or friends
   __9 ☐ Conversations with health care professionals
   88 ☐ I do not have any sources of health and disability news and/or information.
   99 ☐

37. In general, would you say that your health is…

   1 ☐ Excellent
   2 ☐ Very Good
   3 ☐ Good
   4 ☐ Fair
   5 ☐ Poor
   6 ☐ I don’t know
   7 ☐ Decline to answer
   9 ☐
38. Compared to 1 year ago, how would you rate your health now? If this is your 1\textsuperscript{st} anniversary since your injury, consider the time since discharge from inpatient rehab.

1  \square  Much better now
2  \square  Somewhat better than a year ago
3  \square  About the same
4  \square  Somewhat worse
5  \square  Much Worse
6  \square  I don’t know
7  \square  Decline to answer
8  \square

**PAIN**

39. Using a 0-10 scale with 0 being no pain and 10 being pain so severe you could not stand it, what has been your usual level of pain over the past 4 weeks? __ __

40. During the past 4 weeks, how much did pain interfere with your normal work including both work outside the home and housework (or usual activities)?

0  \square  Not at all
1  \square  A little bit
2  \square  Moderately
3  \square  Quite a bit
4  \square  Extremely
6  \square  I don’t know
7  \square  Decline to answer
8  \square  No pain in the last 4 weeks
9  \square
**BLADDER MANAGEMENT**

41. **What is your primary type of bladder management? (Choose only 1 type of management)**

   - 13   □ Normal Micturition: The patient voids satisfactorily without using reflex stimulation or extrinsic bladder pressure voiding techniques. The bladder, however, may or may not have completely normal function.

   - 0   □ Incontinent with no established program of bladder management (diapers, pampers, etc.)

**Indwelling Catheter:**

1   □ Indwelling urethral catheter: Bladder emptied by any type of catheter which is maintained through the urethra (i.e. Foley).

2   □ Indwelling catheter w/ augmentation/continent diversion: Bladder emptied by catheter maintained Through a stoma.

**Catheter Free With External Collector:** (external collector example: condom or Texas catheter, not diaper or urinal)

3   □ Catheter free with external collector, no sphincterotomy

4   □ Catheter free with external collector and sphincterotomy

5   □ Catheter free with external collector, sphincterotomy unknown

6   □ Catheter free without external collector: I void satisfactorily using any method of reflex stimulation or form of extrinsic pressure (crede). External collector is not required - I have developed adequate continence.

**Intermittent Catheterization Program (ICP):**

7   □ ICP only

8   □ ICP with external collector (external collector example: condom or Texas Catheter, not diaper or urinal)

9   □ ICP after augmentation or continent diversion

10  □ ICP – external collector, augmentation or continent diversion unknown

**Other**

11  □ Conduit: bladder drained by surgical techniques using portions of intestinal tract not categorized as bladder augmentation.

12  □ Suprapubic Cystostomy: bladder drained by surgical techniques using a catheter through a suprapubic orifice (i.e. SP).

14  □ Other: All other bladder drainage techniques

99  □

42. **Has your bladder management changed since our last interview?** If yes, what was the reason for the most recent change?

Please mark the primary reason for the change, if more than 1 primary reasons, mark all reasons.

- 0   □ No change from last known bladder management

- 1   □ Regained bladder control since last time

- 2   □ Completed ICP training

- 3   □ Medical complication/condition

- 4   □ Physician/nurse recommendation

- 5   □ Old method no longer effective

- 6   □ Accommodate work

- 7   □ Accommodate lifestyle

- 8   □ Personal choice

- 9   □ Other

97  □ I don't know

99  □
MEDICAL HISTORY

43. In the past 12 months, have you had a urinary tract infection (UTI) that required treatment with antibiotics? If yes, did you have chills or fever? If this is your 1st anniversary since your injury, tell us about the time since your discharge from inpatient rehab.

0 □ No UTI
1 □ Yes, but no chills or fever
2 □ Yes, with chills or fever
3 □ Yes, chills and fever unknown
7 □ Declined or I don’t know
9 □

44. In the past 12 months, have you had a pressure sore with open or broken skin? (Do not include a red patch without broken skin.) If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab.

0 □ No
1 □ Yes
7 □ Declined or I don’t know
9 □

45. In the past 12 months, have you been told by a health professional that you have depression? Exclude bipolar, adjustment disorder, grief or bereavement. If this is your 1st anniversary since your injury, consider the time since your spinal cord injury.

0 □ No
1 □ Yes
7 □ Declined/ I don’t know
9 □

46. In the past 12 months, have you been told by a health professional that you have post-traumatic stress disorder (PTSD), panic disorder or generalized anxiety disorder? If more than one disorder, which was the first diagnosed? If this is your 1st anniversary since your injury, consider the time since your spinal cord injury.

0 □ No
1 □ Yes, Post-traumatic Stress Disorder (PTSD)
2 □ Yes, Panic Disorder
3 □ Yes, Generalized Anxiety Disorder (GAD)
4 □ Multiple diagnoses, first diagnosis unknown
7 □ Declined or I don’t know
9 □

47. Has a health professional ever told you that you have diabetes or high blood sugar? If yes, do you control it by medication, diet and/or exercise, or no method of control?

0 □ No
1 □ Yes, controlled by medication (oral or injection)
2 □ Yes, controlled by diet and/or exercise (no meds)
3 □ Yes, but no method of control is used
4 □ Yes, but unknown method of control
7 □ Declined or I don’t know
9 □
48. Do you smoke cigarettes every day, some days, or not at all?

0  □  Not At All  
1  □  Some Days  
2  □  Every Day  
7  □  Declined/ I don’t know  
9  □

REHOSPITALIZATIONS

49. Have you been hospitalized (at least overnight) in the last 12 months? If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab.

<table>
<thead>
<tr>
<th>Hospital Name/Location</th>
<th>49D. # of Days</th>
<th>49R. Reason</th>
<th>Office use Only:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>8</td>
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</tbody>
</table>

52. Are you a veteran of the US Armed Forces? If yes, have you received any health care services at a VA medical system since our last interview ____________?

8  □  I am not a veteran  
0  □  I am a Vet, but I have not received any health care services at a VA medical system  
1  □  I am a Vet, and I have received health care services at a VA medical system  
9  □

53. What is your primary health insurance? Choose 1 from list below

1  □  Private Insurance (includes ‘no-fault’, BCBS, United Health, Humana, etc)  
2  □  Medicare (Medicare is usually primary payer)  
3  □  Medicaid  
4  □  Worker’s Compensation  
5  □  Veterans Administration  
6  □  Other Government (e.g. Bureau of Indian Affairs; Crippled Children’s Services; Dept. of Vocational Rehab)  
7  □  No Pay (indigent, no resources)  
8  □  Private funds (e.g., self-pay; hometown fund raisers)  
9  □  Other, unclassified (e.g., SCI system patient care funds, Homebound, victim’s assistance funds, etc.)  
77  □  Declined / I don’t know my primary insurance  
99  □
AUDIT C: Alcohol Use

The next three questions are about your use of alcoholic beverages in the last 12 months. If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab. Because alcohol use can affect many areas of health and may interfere with certain medications, it is important to know how much you usually drink. Please try to be as honest and as accurate as you can be. Remember, anything you share with us is confidential and you are not required to answer any question.

54. In the last 12 months, how often did you have a drink containing alcohol? If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab. (One standard drink equals one 12-ounce bottle of beer, one shot (1.5 ounces) of hard liquor or one 5-ounce glass of wine).
   0 □ Never
   1 □ Once a month or less
   2 □ 2 to 4 times a month
   3 □ 2 to 3 times a week
   4 □ 4 or more times a week
   7 □ Declined / I don’t know
   9 □

55. In the last 12 months, how many drinks containing alcohol do you have on a typical day when you are drinking? If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab.
   0 □ None
   1 □ 1 or 2
   2 □ 3 or 4
   3 □ 5 or 6
   4 □ 7 to 9
   5 □ 10 or more
   7 □ Declined / I don’t know
   9 □

56. In the last 12 months, how often did you have six or more drinks on one occasion? If this is your 1st anniversary since your injury, consider the time since your discharge from inpatient rehab.
   0 □ Never
   1 □ Less than monthly
   2 □ Monthly
   3 □ Weekly
   4 □ Daily or almost daily
   7 □ Declined / I don’t know
   9 □

CHART

How many hours in a typical 24-hour day do you have someone with you to provide physical assistance for personal care activities such as eating, bathing, dressing, toileting and mobility?

_____ I have no paid or unpaid assistance (if no paid or unpaid assistance, skip questions 57 and 58)

57. I receive _____ hours of paid assistance per day (enter # of hours per 24 hour period) If living in a nursing home, record 24 hours of paid assistance.

58. I receive _____ hours of unpaid assistance per day (may be family or others; enter # of hours per 24 hour period)
59. On a typical day, how many hours are you out of bed?  
(Routine naps taken in bed are counted as part of hours in bed)  
Enter # of hours _______

60. In a typical week, how many days do you get out of your house (or current place of residence) and go somewhere?  
Enter # of days/wk _______

61. In the last year, how many nights have you spent away from home? (Not in the hospital, but on vacation, visiting family, holiday stays, etc.)

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1-2 nights</td>
<td></td>
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<tr>
<td>3</td>
<td>3-4 nights</td>
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<tr>
<td>5</td>
<td>5 or more nights</td>
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<td>9</td>
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</tbody>
</table>

62. How many hours per week do you spend working in a job for which you get paid?  
Enter # of hours per week _______

63. How many hours per week do you spend in school working toward a degree or in an accredited technical training program? (Include studying and class time)  
Enter # of hours per week _______

64. How many hours per week do you spend involved in parenting, housekeeping, and food preparation? (Actively supervising/parenting)  
Enter # of hours per week _______

65. How many hours per week do you spend involved in home maintenance, such as gardening, house repair, cutting grass or home improvement?  
Enter # of hours per week _______

66. How many hours per week do you spend in recreational activities such as sports, exercise, playing cards, or going to movies? (Not watching TV)  
Enter # of hours per week _______

67. Do you live with your spouse, significant other or partner?  

<p>| | | | | |</p>
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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No, (I do not live with spouse, significant other or partner)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>I live with spouse or significant other or partner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>I live with unrelated roommate and/or attendant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>I live alone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

68. Of the people you live with, how many are relatives? (Exclude self, spouse, significant other or partner)  
Enter # of people _______

69. How many business or organizational associates do you visit, phone, email or write to at least once a month (includes church or groups, clubs)?  
Enter # of people _______

70. How many friends (non-relatives, non-business/organizational associates) do you visit, phone, e-mail, or write to at least once a month?  
Enter # of people _______
71. With how many strangers have you initiated a conversation within the last month? (for example to ask for information or to place an order)

0 □ None
1 □ 1-2 people
3 □ 3-5 people
6 □ 6 or more people
9 □

Office Use Only: Questions 72 – 75

**MOBILITY:**

76. Do you use a wheelchair or scooter over 40 hours a week?

0 □ No
1 □ Yes
9 □

77. What type of wheelchair do you use most often?

1 □ Manual Wheelchair
2 □ Power Wheelchair
3 □ Power Assist Wheelchair
4 □ Scooter
7 □ Other (e.g. golf cart)
8 □ Not applicable, I do not use a wheelchair over 40 hours
9 □

78. Are you able to walk (with or without mobility aid) for 150 feet in your home?

0 □ No
1 □ Yes
9 □

79. Are you able to walk (with or without mobility aid) for one street block outside?

0 □ No
1 □ Yes
9 □

80. Are you able to walk (with or without mobility aid) up one flight of steps? (at least 12 steps)

0 □ No
1 □ Yes
9 □

81. Which of the following mobility aids do you currently use? Select up to 5 aids and rank the items you use most often: 1st or 2nd or 3rd etc.

8 □ Not ambulatory, I do not walk
_0 □ None
_1 □ Straight Cane
_2 □ Quad cane
_3 □ Walker
_4 □ Crutches
_5 □ AFO Brace (Ankle - Foot Orthotic)
_6 □ KAFO (Knee-Ankle-Foot-Orthotic)
_7 □ Other
9 □
82. What type of modified vehicle do you (or your family) own?

0 ☐ I don’t own a modified vehicle (next question = 8)
1 ☐ Car or SUV
2 ☐ Van
3 ☐ Other (truck or motorcycle)
4 ☐ Combination (car & van, …)
9 ☐

83. Do you drive the modified vehicle?

0 ☐ No
1 ☐ Yes, I drive it from my wheelchair
2 ☐ Yes, I drive but not from a wheelchair
8 ☐ I don’t own a modified vehicle
9 ☐

85. If this is the first anniversary since your injury: have you used a mechanical ventilator since discharge from rehab? If this is not your first anniversary, then skip this question.

0 ☐ No
1 ☐ Yes, limited, short-term use for pulmonary complications
2 ☐ Yes, ventilator-dependent or ventilator use requiring a weaning process
3 ☐ Yes, phrenic nerve stimulator
9 ☐

Lastly, if you are currently experiencing any difficulties or problems, have questions, or would like to offer any suggestions in regard to your spinal cord injury, we would like for you to share them with us.

ALTERNATE CONTACT INFORMATION

Sometimes unexpected events happen and you may move or change your phone number. For this reason, we would like to have contact information of a few people who are close to you and who will let us know how to get ahold of you. We will only contact these people if, at your next interview (4 or 5 years from now), we are unable to contact you with the information that we have.

<table>
<thead>
<tr>
<th>ALTERNATE 1</th>
<th>ALTERNATE 2</th>
<th>ALTERNATE 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RELATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADDRESS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHONE 1</td>
<td></td>
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<tr>
<td>EMAIL</td>
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</tbody>
</table>
Steps For Getting The Proper Occupation Classification

In order to publish data by any occupational breakdown, BLS must classify each job correctly using the OCSM. Matching solely by title often leads to error. The duties and responsibilities of the position must be used to ensure a proper match.

1. Obtain a job description

2. Determine the nature, duties, and responsibilities of the job

   Nature:
   - Is this job exempt or nonexempt?
   - Blue-collar or white-collar?
   - If the job is blue-collar, is it skilled or unskilled?

   Duties:
   - Are the employees doing work that requires a degree?
   - If so, what kind of degree?
   - Do the employees do tasks that are clerical in nature?
   - Are they involved primarily with sales?
   - Do the employees work primarily with machines or people?
   - Do the employees transport either people or goods?

   Responsibilities:

   Do the employees supervise other people? Are the employees expected to show judgment in determining what tasks need to be done?

   All of this information is used to determine the proper classification.

3. Determine the Major Occupational Group (MOG)

   Occupational classification focuses on the duties of the job, rather than what a particular incumbent might do in a job. The duties of the job determine the Major Occupational Group. In an engineering firm, for example, some of the engineers may lend their expertise to help out with accounting, budgeting, or sales. Nevertheless, the intent of the job is engineering, despite occasional tasks that cross into other MOGs.
APPENDIX C
1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

C. SPECIAL TOPICS

1. Cross References

Cross references are included if two or more Census occupations occur with similar job functions or titles. The cross references are exclusion statements that precede the Census occupation description for the pertinent occupations. For example, immediately preceding the description for occupation A063 (Surveyors and Mapping Scientists) is the statement, "Exclude Surveyor Helpers (H866) and Surveying and Mapping Technicians (A218)." Prior to matching a job to A063, verify that the establishment job matches the occupation description for A063 and does not more appropriately fit the descriptions for H866 or A218.

2. Defining Apprentices, Helpers, and Laborers for NCS Purposes

Four related jobs categories—apprentices, helpers, laborers, and journey level workers—are given special attention in the OCSM. These jobs are prevalent in many industries, especially manufacturing and construction.

a. For NCS purposes apprentices are workers who learn a recognized skill, craft, or trade requiring one or more years of on-the-job training through job experience supplemented by related instruction. Usually, before entering an apprenticeship program certain requirements must be fulfilled. Apprenticeship is a program that can be defined through a contract or agreement.

b. For NCS purposes helpers are semi-skilled workers who assist other workers who usually have higher levels of competence or expertise. Helpers perform a variety of duties such as furnishing another worker with materials, tools, and supplies; cleaning work areas, machines, and equipment; feeding or offbearing machines; holding materials or tools; and performing other routine duties. A helper may learn a trade but does so informally and without contract or agreement with the employer.

c. For NCS purposes laborers are unskilled workers who perform tasks at the work area. Laborers perform unskilled tasks, primarily manual, and do not have an area of trade specialization.

d. For NCS purposes journey level workers are workers who have completed a specified training program or apprenticeship program or have qualifying experience in a craft or trade.

e. Summary

Apprentices are included with the corresponding skilled census occupation unless specifically excluded. If the apprentice job is excluded, you will find the appropriate match specific to the apprentice within the same MOG as the skilled occupation. All apprentices are matched with their corresponding skilled occupations except for 8 MOG E specific apprentice jobs.

Helpers are excluded from skilled occupations (and corresponding MOG) unless the job description specifically included them. All those excluded will be matched in MOG H.
**APPENDIX C**

**1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)**

Construction helpers specialize in a particular craft or trade. Helpers (outside the construction industry) whose duties are limited or are primarily engaged in one type of activity are classified according to the appropriate laborer occupation in MOG H. Other helpers are classified in MOG H in the appropriate helper occupation.

3. Defining Managers and Supervisors for NCS Purposes

Managers and supervisors are employees who are distinguished by what they control or oversee. Managers control functions of a department or organization while supervisors oversee employees in job activities to ensure that the objectives set by the managers are realized. Both managers and supervisors are included in NCS.

a. **Managers** are employees who plan, organize, direct, and control the functions of an establishment or department through subordinates at the managerial or supervisory level. Managers make decisions and establish objectives for the department or establishment. Generally they are not concerned with the fabrication of products or the provision of services.

Managers preside over supervisors and, in some cases, other managers (except in small establishments where the manager may serve as supervisor). Managers assume responsibility for the products or services of the department or establishment. Most managers are classified in MOG B.

b. **Supervisors** are employees who oversee and coordinate the activities of workers. Supervisors assign duties, examine the work performed, and monitor work performance and work procedures. They analyze and try to resolve work problems. Supervisors also suggest and initiate plans for increased work efficiency. Supervisors may possess knowledge of and perform the work of the employees they oversee. Supervisors work closely with employees and are usually classified in the MOG of the workers they direct.

Some managerial occupations may perform both managerial duties and responsibilities similar to those of a supervisor, particularly in small departments or establishments and retail and wholesale trade establishments. The classification of this occupation is based on the amount of control the employee maintains over the functions of the department or establishment in which the employee works.

See the following table for additional information regarding the relationship between managers and supervisors.
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1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

<table>
<thead>
<tr>
<th>Managers</th>
<th>Supervisors</th>
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</thead>
<tbody>
<tr>
<td>Establish objectives, make decisions, and set standards for the department or establishment.</td>
<td>Carry out management decisions by directing employees toward goals and objectives.</td>
</tr>
<tr>
<td>May preside over supervisors and other managers (except in small establishments where manager can also serve as supervisor).</td>
<td>Do not preside over other supervisors and/or manager.</td>
</tr>
<tr>
<td>Generally are unconcerned with the tasks required to meet department or establishment goals.</td>
<td>Directly oversee employees in job activities and may be skilled to perform these duties. Possess knowledge of operational procedures, capabilities, and performance.</td>
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</tbody>
</table>

4. N.E.C. Occupations

The Census occupations are all inclusive in coverage. In other words, any establishment occupation (except in MOGs I and L) can be matched. To guarantee this full coverage of occupations, certain occupations are designated "Not Elsewhere Classified" (N.E.C.).

An N.E.C. occupation captures the occupations not specifically classified or included in a separate Census occupation. N.E.C. occupations are at or below the MOG level. For example, occupation D336 (Records Clerks N.E.C.) is below the MOG because the occupation is restricted to include only those records clerks in MOG D who cannot be classified in one of the specific records clerks occupations. Occupation D389 (Administrative Support Occupations, N.E.C.) is at the MOG level because the occupation is a catch-all for all MOG D occupations that do not match specific MOG D occupations but maintain the distinction of administrative support or clerical occupations.

Go to the Occupational Classification System Manual

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Numbers in parentheses following the occupation categories are the 1980 standard occupational classification code equivalents. The abbreviation “pt” means “part” & “n.e.c.” means “not elsewhere classified.”

<table>
<thead>
<tr>
<th>Executive, administrative, &amp; managerial occupations</th>
</tr>
</thead>
<tbody>
<tr>
<td>003 Legislators (111)</td>
</tr>
<tr>
<td>004 Chief executives &amp; general administrators, public administration (112)</td>
</tr>
<tr>
<td>005 Administrators &amp; officials, public administration (1132-1139)</td>
</tr>
<tr>
<td>006 Administrators, protective services (1131)</td>
</tr>
<tr>
<td>007 Financial managers (122)</td>
</tr>
<tr>
<td>008 Personnel &amp; labor relations managers (123)</td>
</tr>
<tr>
<td>009 Purchasing managers (124)</td>
</tr>
<tr>
<td>013 Managers, marketing, advertising, &amp; public relations (125)</td>
</tr>
<tr>
<td>014 Administrators, education &amp; related fields (128)</td>
</tr>
<tr>
<td>015 Managers, medicine &amp; health (131)</td>
</tr>
<tr>
<td>016 Postmasters &amp; mail superintendents (1344)</td>
</tr>
<tr>
<td>017 Managers, food serving &amp; lodging establishments (1351)</td>
</tr>
<tr>
<td>018 Managers, properties &amp; real estate (1353)</td>
</tr>
<tr>
<td>019 Funeral directors (pt 1359)</td>
</tr>
<tr>
<td>021 Managers, service organizations, n.e.c. (127, 1352, 1354, Pt 1359)</td>
</tr>
<tr>
<td>022 Managers &amp; administrators, n.e.c. (121, 126, 132-1343, 136-139)</td>
</tr>
</tbody>
</table>

Management Related Occupations

| 023 Accountants & auditors (1412)                   |
| 024 Underwriters (1414)                            |
| 025 Other financial officers (1415, 1419)          |
| 026 Management analysts (142)                      |
| 027 Personnel, training, & labor relations specialists (143) |
| 028 Purchasing agents & buyers, farm products (1443) |
| 029 Buyers, wholesale & retail trade except farm products (1442) |
| 033 Purchasing agents & buyers, n.e.c. (1449)      |
| 034 Business & promotion agents (145)              |
| 035 Construction inspectors (1472)                 |
| 036 Inspectors & compliance officers, except construction (1473) |
| 037 Management related occupations, n.e.c. (149)   |

2 Professional Specialty Occupations

<table>
<thead>
<tr>
<th>Engineers, Architects, &amp; Surveyors</th>
</tr>
</thead>
<tbody>
<tr>
<td>043 Architects (161)</td>
</tr>
<tr>
<td>044 Aerospace (1622)</td>
</tr>
<tr>
<td>045 Metallurgical &amp; materials (1623)</td>
</tr>
<tr>
<td>046 Mining (1624)</td>
</tr>
<tr>
<td>047 Petroleum (1625)</td>
</tr>
<tr>
<td>048 Chemical (1626)</td>
</tr>
<tr>
<td>049 Nuclear (1627)</td>
</tr>
<tr>
<td>053 Civil (1628)</td>
</tr>
<tr>
<td>054 Agricultural (1632)</td>
</tr>
<tr>
<td>055 Electrical &amp; electronic (1633, 1636)</td>
</tr>
<tr>
<td>056 Industrial (1634)</td>
</tr>
<tr>
<td>057 Mechanical (1635)</td>
</tr>
<tr>
<td>058 Marine &amp; naval architects (1637)</td>
</tr>
<tr>
<td>059 Engineers, n.e.c. (1639)</td>
</tr>
<tr>
<td>063 Surveyors &amp; mapping scientists (164)</td>
</tr>
<tr>
<td>074 Atmospheric &amp; space scientists (1846)</td>
</tr>
<tr>
<td>075 Geologists &amp; geodesists (1847)</td>
</tr>
<tr>
<td>076 Physical scientists, n.e.c. (1849)</td>
</tr>
<tr>
<td>077 Agricultural &amp; food scientists (1853)</td>
</tr>
<tr>
<td>078 Biological &amp; life scientists (1854)</td>
</tr>
<tr>
<td>079 Forestry &amp; conservation scientists (1852)</td>
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<tr>
<td>083 Medical scientists (1855)</td>
</tr>
<tr>
<td>084 Physicians (261)</td>
</tr>
<tr>
<td>085 Dentists (262)</td>
</tr>
<tr>
<td>086 Veterinarians (27)</td>
</tr>
<tr>
<td>087 Optometrists (281)</td>
</tr>
<tr>
<td>088 Podiatrists (283)</td>
</tr>
<tr>
<td>089 Health diagnosing practitioners, n.e.c. (289)</td>
</tr>
<tr>
<td>095 Registered nurses (29)</td>
</tr>
<tr>
<td>096 Pharmacists (301)</td>
</tr>
<tr>
<td>097 Dietitians (302)</td>
</tr>
<tr>
<td>098 Respiratory therapists (3031)</td>
</tr>
<tr>
<td>099 Occupational therapists (3032)</td>
</tr>
<tr>
<td>103 Physical therapists (3033)</td>
</tr>
<tr>
<td>104 Speech therapists (3034)</td>
</tr>
<tr>
<td>105 Therapists, n.e.c. (3039)</td>
</tr>
<tr>
<td>106 Physicians’ assistants (304)</td>
</tr>
</tbody>
</table>
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**1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)**

#### 2 Professional Specialty Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>Earth, environmental, &amp; marine science teachers (2212)</td>
</tr>
<tr>
<td>114</td>
<td>Biological science teachers (2213)</td>
</tr>
<tr>
<td>115</td>
<td>Chemistry teachers (2214)</td>
</tr>
<tr>
<td>116</td>
<td>Physics teachers (2215)</td>
</tr>
<tr>
<td>117</td>
<td>Natural science teachers, n.e.c. (2216)</td>
</tr>
<tr>
<td>118</td>
<td>Psychology teachers (2217)</td>
</tr>
<tr>
<td>119</td>
<td>Economics teachers (2218)</td>
</tr>
<tr>
<td>123</td>
<td>History teachers (2222)</td>
</tr>
<tr>
<td>124</td>
<td>Political science teachers (2223)</td>
</tr>
<tr>
<td>125</td>
<td>Sociology teachers (2224)</td>
</tr>
<tr>
<td>126</td>
<td>Social science teachers, n.e.c. (2225)</td>
</tr>
<tr>
<td>127</td>
<td>Engineering teachers (2226)</td>
</tr>
<tr>
<td>128</td>
<td>Mathematical science teachers (2227)</td>
</tr>
<tr>
<td>129</td>
<td>Computer science teachers (2228)</td>
</tr>
<tr>
<td>133</td>
<td>Medical science teachers (2231)</td>
</tr>
<tr>
<td>134</td>
<td>Health specialties teachers (2232)</td>
</tr>
<tr>
<td>135</td>
<td>Business, commerce, &amp; marketing teachers (2233)</td>
</tr>
<tr>
<td>136</td>
<td>Agriculture &amp; forestry teachers (2234)</td>
</tr>
<tr>
<td>137</td>
<td>Art, drama, &amp; music teachers (2235)</td>
</tr>
<tr>
<td>138</td>
<td>Physical education teachers (2236)</td>
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<tr>
<td>139</td>
<td>Education teachers (2237)</td>
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<tr>
<td>143</td>
<td>English teachers (2238)</td>
</tr>
<tr>
<td>144</td>
<td>Foreign language teachers (2242)</td>
</tr>
<tr>
<td>145</td>
<td>Law teachers (2243)</td>
</tr>
<tr>
<td>146</td>
<td>Social work teachers (2244)</td>
</tr>
<tr>
<td>147</td>
<td>Theology teachers (2245)</td>
</tr>
<tr>
<td>148</td>
<td>Trade &amp; industrial teachers (2246)</td>
</tr>
<tr>
<td>149</td>
<td>Home economics teachers (2247)</td>
</tr>
<tr>
<td>153</td>
<td>Teachers, postsecondary, n.e.c. (2249)</td>
</tr>
<tr>
<td>154</td>
<td>Postsecondary teachers, subject not specified</td>
</tr>
<tr>
<td>155</td>
<td>Teachers, pre-kindergarten &amp; kindergarten (231)</td>
</tr>
<tr>
<td>156</td>
<td>Teachers, elementary school (232)</td>
</tr>
<tr>
<td>157</td>
<td>Teachers, secondary school (233)</td>
</tr>
<tr>
<td>158</td>
<td>Teachers, special education (235)</td>
</tr>
<tr>
<td>159</td>
<td>Teachers, n.e.c. (236, 239)</td>
</tr>
<tr>
<td>163</td>
<td>Counselors, educational &amp; vocational (24)</td>
</tr>
<tr>
<td>164</td>
<td>Librarians (251)</td>
</tr>
<tr>
<td>165</td>
<td>Archivists &amp; curators (252)</td>
</tr>
<tr>
<td>166</td>
<td>Economists (1912)</td>
</tr>
<tr>
<td>167</td>
<td>Psychologists (1915)</td>
</tr>
<tr>
<td>168</td>
<td>Sociologists (1916)</td>
</tr>
<tr>
<td>169</td>
<td>Social scientists, n.e.c. (1913, 1914, 1919)</td>
</tr>
<tr>
<td>173</td>
<td>Urban planners (192)</td>
</tr>
<tr>
<td>174</td>
<td>Social workers (2032)</td>
</tr>
<tr>
<td>175</td>
<td>Recreation workers (2033)</td>
</tr>
<tr>
<td>176</td>
<td>Clergy (2042)</td>
</tr>
<tr>
<td>177</td>
<td>Religious workers, n.e.c. (2049)</td>
</tr>
<tr>
<td>178</td>
<td>Lawyers (211)</td>
</tr>
<tr>
<td>179</td>
<td>Judges (212)</td>
</tr>
<tr>
<td>183</td>
<td>Authors (321)</td>
</tr>
<tr>
<td>184</td>
<td>Technical writers (398)</td>
</tr>
<tr>
<td>185</td>
<td>Designers (322)</td>
</tr>
<tr>
<td>186</td>
<td>Musicians &amp; composers (323)</td>
</tr>
<tr>
<td>187</td>
<td>Actors &amp; directors (324)</td>
</tr>
<tr>
<td>188</td>
<td>Painters, sculptors, craft-artists, &amp; artist printmakers (325)</td>
</tr>
<tr>
<td>189</td>
<td>Photographers (326)</td>
</tr>
<tr>
<td>193</td>
<td>Dancers (327)</td>
</tr>
<tr>
<td>194</td>
<td>Artists, performers, &amp; related workers, n.e.c. (328, 329)</td>
</tr>
<tr>
<td>195</td>
<td>Editors &amp; reporters (331)</td>
</tr>
<tr>
<td>197</td>
<td>Public relations specialists (332)</td>
</tr>
<tr>
<td>198</td>
<td>Announcers (333)</td>
</tr>
<tr>
<td>199</td>
<td>Athletes (34)</td>
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</tbody>
</table>
### 3 Technicians & Related Support Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>203</td>
<td>Clinical laboratory technologists &amp; technicians (362)</td>
</tr>
<tr>
<td>204</td>
<td>Dental hygienists (363)</td>
</tr>
<tr>
<td>205</td>
<td>Health record technologists &amp; technicians (364)</td>
</tr>
<tr>
<td>206</td>
<td>Radiologic technicians (365)</td>
</tr>
<tr>
<td>207</td>
<td>Licensed practical nurses (366)</td>
</tr>
<tr>
<td>208</td>
<td>Health technologists &amp; technicians, n.e.c. (369)</td>
</tr>
</tbody>
</table>

### Science Technicians

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>223</td>
<td>Biological technicians (382)</td>
</tr>
<tr>
<td>224</td>
<td>Chemical technicians (383)</td>
</tr>
<tr>
<td>225</td>
<td>Science technicians, n.e.c. (3832, 3833, 384, 389)</td>
</tr>
</tbody>
</table>

### Technicians; Except Health, Engineering, & Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>226</td>
<td>Airplane pilots &amp; navigators (825)</td>
</tr>
<tr>
<td>227</td>
<td>Air traffic controllers (392)</td>
</tr>
<tr>
<td>228</td>
<td>Broadcast equipment operators (393)</td>
</tr>
<tr>
<td>229</td>
<td>Computer programmers (3971, 3972)</td>
</tr>
<tr>
<td>233</td>
<td>Tool programmers, numerical control (3974)</td>
</tr>
<tr>
<td>234</td>
<td>Legal assistants (396)</td>
</tr>
<tr>
<td>235</td>
<td>Technicians, n.e.c. (399)</td>
</tr>
</tbody>
</table>

### Engineering & Related Technologists & Technicians

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>213</td>
<td>Electrical &amp; electronic technicians (3711)</td>
</tr>
<tr>
<td>214</td>
<td>Industrial engineering technicians (3712)</td>
</tr>
<tr>
<td>215</td>
<td>Mechanical engineering technicians (3713)</td>
</tr>
<tr>
<td>216</td>
<td>Engineering technicians, n.e.c. (3719)</td>
</tr>
<tr>
<td>217</td>
<td>Drafting occupations (372)</td>
</tr>
<tr>
<td>218</td>
<td>Surveying &amp; mapping technicians (373)</td>
</tr>
</tbody>
</table>

### 4 Sales Occupations

#### Sales Representatives, Finance & Business Services

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>243</td>
<td>Supervisors &amp; proprietors, sales occupations (40)</td>
</tr>
<tr>
<td>253</td>
<td>Insurance sales occupations (4122)</td>
</tr>
<tr>
<td>254</td>
<td>Real estate sales occupations (4123)</td>
</tr>
<tr>
<td>255</td>
<td>Securities &amp; financial services sales occupations (4124)</td>
</tr>
<tr>
<td>256</td>
<td>Advertising &amp; related sales occupations (4153)</td>
</tr>
<tr>
<td>257</td>
<td>Sales occupations, other business services (4152)</td>
</tr>
</tbody>
</table>

#### Sales Representatives, Commodities Except Retail

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>258</td>
<td>Sales engineers (421)</td>
</tr>
<tr>
<td>259</td>
<td>Sales representatives, mining, manufacturing, &amp; wholesale (423, 424)</td>
</tr>
</tbody>
</table>

### Sales Workers, Retail & Personal Services

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>263</td>
<td>Sales workers, motor vehicles &amp; boats (4342, 4344)</td>
</tr>
<tr>
<td>264</td>
<td>Sales workers, apparel (4346)</td>
</tr>
<tr>
<td>265</td>
<td>Sales workers, shoes (4351)</td>
</tr>
<tr>
<td>266</td>
<td>Sales workers, furniture &amp; home furnishings (4348)</td>
</tr>
<tr>
<td>267</td>
<td>Sales workers; radio, TV, hi-fi, &amp; appliances (4343, 4352)</td>
</tr>
<tr>
<td>268</td>
<td>Sales workers, hardware &amp; building supplies (4353)</td>
</tr>
<tr>
<td>269</td>
<td>Sales workers, parts (4367)</td>
</tr>
<tr>
<td>274</td>
<td>Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)</td>
</tr>
<tr>
<td>275</td>
<td>Sales counter clerks (4363)</td>
</tr>
<tr>
<td>276</td>
<td>Cashiers (4364)</td>
</tr>
<tr>
<td>277</td>
<td>Street &amp; door-to-door sales workers (4366)</td>
</tr>
<tr>
<td>278</td>
<td>News vendors (4365)</td>
</tr>
</tbody>
</table>

### Sales-Related Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>283</td>
<td>Demonstrators, promoters &amp; models, sales (445)</td>
</tr>
<tr>
<td>284</td>
<td>Auctioneers (447)</td>
</tr>
<tr>
<td>285</td>
<td>Sales support occupations, n.e.c. (444, 446, 449)</td>
</tr>
</tbody>
</table>
APPENDIX C
1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

<table>
<thead>
<tr>
<th>5 Administrative Support Occupations, Including clerical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supervisors, Administrative Support Occupations</td>
</tr>
<tr>
<td>303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)</td>
</tr>
<tr>
<td>304 Supervisors, computer equipment operators (4512)</td>
</tr>
<tr>
<td>305 Supervisors, financial records processing (4521)</td>
</tr>
<tr>
<td>306 Chief communications operators (4523)</td>
</tr>
<tr>
<td>307 Supervisors; distribution, scheduling, &amp; adjusting clerks (4522, 4524-4528)</td>
</tr>
<tr>
<td>Computer Equipment Operators</td>
</tr>
<tr>
<td>308 Computer operators (4612)</td>
</tr>
<tr>
<td>309 Peripheral equipment operators (4613)</td>
</tr>
<tr>
<td>Secretaries, Stenographers, &amp; Typists</td>
</tr>
<tr>
<td>313 Secretaries (4622)</td>
</tr>
<tr>
<td>314 Stenographers (4623)</td>
</tr>
<tr>
<td>315 Typists (4624)</td>
</tr>
<tr>
<td>Information Clerks</td>
</tr>
<tr>
<td>316 Interviewers (4642)</td>
</tr>
<tr>
<td>317 Hotel clerks (4643)</td>
</tr>
<tr>
<td>318 Transportation ticket &amp; reservation agents (4644)</td>
</tr>
<tr>
<td>319 Receptionists (4645)</td>
</tr>
<tr>
<td>323 Information clerks, n.e.c. (4649)</td>
</tr>
<tr>
<td>Records Processing Occupations, Except Financial</td>
</tr>
<tr>
<td>325 Classified-ad clerks (4662)</td>
</tr>
<tr>
<td>326 Correspondence clerks (4663)</td>
</tr>
<tr>
<td>327 Order clerks (4664)</td>
</tr>
<tr>
<td>328 Personnel clerks, except payroll &amp; timekeeping (4692)</td>
</tr>
<tr>
<td>329 Library clerks (4694)</td>
</tr>
<tr>
<td>335 File clerks (4696)</td>
</tr>
<tr>
<td>336 Records clerks (4699)</td>
</tr>
<tr>
<td>Financial Records Processing Occupations</td>
</tr>
<tr>
<td>337 Bookkeepers, accounting, &amp; auditing clerks (4712)</td>
</tr>
<tr>
<td>338 Payroll &amp; timekeeping clerks (4713)</td>
</tr>
<tr>
<td>339 Billing clerks (4715)</td>
</tr>
<tr>
<td>343 Cost &amp; rate clerks (4716)</td>
</tr>
<tr>
<td>344 Billing, posting, &amp; calculating machine operators (4718)</td>
</tr>
<tr>
<td>Duplicating, Mail &amp; Other Office Machine Operators</td>
</tr>
<tr>
<td>345 Duplicating machine operators (4722)</td>
</tr>
<tr>
<td>346 Mail preparing &amp; paper handling machine operators (4723)</td>
</tr>
<tr>
<td>347 Office machine operators, n.e.c. (4729)</td>
</tr>
<tr>
<td>Communications Equipment Operators</td>
</tr>
<tr>
<td>348 Telephone operators (4732)</td>
</tr>
<tr>
<td>353 Communications equipment operators, n.e.c. (4733, 4739)</td>
</tr>
<tr>
<td>Mail &amp; Message Distributing Occupations</td>
</tr>
<tr>
<td>354 Postal clerks, exc. mail carriers (4742)</td>
</tr>
<tr>
<td>355 Mail carriers, postal service (4743)</td>
</tr>
<tr>
<td>356 Mail clerks, exc. postal service (4744)</td>
</tr>
<tr>
<td>357 Messengers (4745)</td>
</tr>
<tr>
<td>Material Recording, Scheduling, &amp; Distributing Clerks</td>
</tr>
<tr>
<td>359 Dispatchers (4751)</td>
</tr>
<tr>
<td>363 Production coordinators (4752)</td>
</tr>
<tr>
<td>364 Traffic, shipping, &amp; receiving clerks (4753)</td>
</tr>
<tr>
<td>365 Stock &amp; inventory clerks (4754)</td>
</tr>
<tr>
<td>366 Meter readers (4755)</td>
</tr>
<tr>
<td>368 Weighers, measurers, checkers &amp; samplers (4756, 4757)</td>
</tr>
<tr>
<td>373 Expediters (4758)</td>
</tr>
<tr>
<td>374 Material recording, scheduling, &amp; distributing clerks, n.e.c. (4759)</td>
</tr>
<tr>
<td>Adjusters &amp; Investigators</td>
</tr>
<tr>
<td>375 Insurance adjusters, examiners, &amp; investigators (4782)</td>
</tr>
<tr>
<td>376 Investigators &amp; adjusters, except insurance (4783)</td>
</tr>
<tr>
<td>377 Eligibility clerks, social welfare (4784)</td>
</tr>
<tr>
<td>378 Bill &amp; account collectors (4786)</td>
</tr>
<tr>
<td>Miscellaneous Administrative Support Occupations</td>
</tr>
<tr>
<td>379 General office clerks (463)</td>
</tr>
<tr>
<td>383 Bank tellers (4791)</td>
</tr>
<tr>
<td>384 Proofreaders (4792)</td>
</tr>
<tr>
<td>385 Data-entry keyers (4793)</td>
</tr>
<tr>
<td>386 Statistical clerks (4794)</td>
</tr>
<tr>
<td>387 Teachers’ aides (4795)</td>
</tr>
<tr>
<td>389 Administrative support occupations, n.e.c. (4787, 4799)</td>
</tr>
<tr>
<td>6 Private Household Occupations</td>
</tr>
<tr>
<td>403 Launderers &amp; ironers (503)</td>
</tr>
<tr>
<td>404 Cooks, private household (504)</td>
</tr>
<tr>
<td>405 Housekeepers &amp; butlers (505)</td>
</tr>
<tr>
<td>406 Child care workers, private household (506)</td>
</tr>
<tr>
<td>407 Private household cleaners &amp; servants (502, 507, 509)</td>
</tr>
</tbody>
</table>
### APPENDIX C
1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

#### 7 Protective Service Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
<th>NSCISC: 10/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>413</td>
<td>Supervisors, firefighting &amp; fire prevention occupations (5111)</td>
<td>1</td>
</tr>
<tr>
<td>414</td>
<td>Supervisors, police, &amp; detectives (5112)</td>
<td>1</td>
</tr>
<tr>
<td>415</td>
<td>Supervisors, guards (5113)</td>
<td>1</td>
</tr>
<tr>
<td>416</td>
<td>Fire inspection &amp; fire prevention occupations (5122)</td>
<td>1</td>
</tr>
<tr>
<td>417</td>
<td>Firefighting occupations (5123)</td>
<td>1</td>
</tr>
<tr>
<td>418</td>
<td>Police &amp; detectives, public service (5132)</td>
<td>1</td>
</tr>
<tr>
<td>423</td>
<td>Sheriffs, bailiffs, &amp; other law enforcement officers (5134)</td>
<td>1</td>
</tr>
<tr>
<td>424</td>
<td>Correctional institution officers (5133)</td>
<td>1</td>
</tr>
<tr>
<td>425</td>
<td>Crossing guards (5142)</td>
<td>1</td>
</tr>
<tr>
<td>426</td>
<td>Guards &amp; police, exc. public service (5144)</td>
<td>1</td>
</tr>
<tr>
<td>427</td>
<td>Protective service occupations, n.e.c. (5149)</td>
<td>1</td>
</tr>
</tbody>
</table>

#### 8 Service Occupations, Except Protective & Household

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
<th>NSCISC: 10/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>433</td>
<td>Supervisors, food preparation &amp; service occupations (5211)</td>
<td>1</td>
</tr>
<tr>
<td>434</td>
<td>Bartenders (5212)</td>
<td>1</td>
</tr>
<tr>
<td>435</td>
<td>Waiters &amp; waitresses (5213)</td>
<td>1</td>
</tr>
<tr>
<td>436</td>
<td>Cooks (5214, 5215)</td>
<td>1</td>
</tr>
<tr>
<td>438</td>
<td>Food counter, fountain &amp; related occupations (5216)</td>
<td>1</td>
</tr>
<tr>
<td>439</td>
<td>Kitchen workers, food preparation (5217)</td>
<td>1</td>
</tr>
<tr>
<td>443</td>
<td>Waiters’/waitresses’ assistants (5218)</td>
<td>1</td>
</tr>
<tr>
<td>444</td>
<td>Miscellaneous food preparation occupations (5219)</td>
<td>1</td>
</tr>
<tr>
<td>445</td>
<td>Dental assistants (5232)</td>
<td>1</td>
</tr>
<tr>
<td>446</td>
<td>Health aides, except nursing (5233)</td>
<td>1</td>
</tr>
<tr>
<td>447</td>
<td>Nursing aides, orderlies, &amp; attendants (5236)</td>
<td>1</td>
</tr>
<tr>
<td>448</td>
<td>Supervisors, cleaning &amp; building service workers (5241)</td>
<td>1</td>
</tr>
<tr>
<td>449</td>
<td>Maids &amp; housemen (5242, 5249)</td>
<td>1</td>
</tr>
<tr>
<td>453</td>
<td>Janitors &amp; cleaners (5244)</td>
<td>1</td>
</tr>
<tr>
<td>454</td>
<td>Elevator operators (5245)</td>
<td>1</td>
</tr>
<tr>
<td>455</td>
<td>Pest control occupations (5246)</td>
<td>1</td>
</tr>
<tr>
<td>456</td>
<td>Supervisors, personal service occupations (5251)</td>
<td>1</td>
</tr>
<tr>
<td>457</td>
<td>Barbers (5252)</td>
<td>1</td>
</tr>
<tr>
<td>458</td>
<td>Hairdressers &amp; cosmetologists (5253)</td>
<td>1</td>
</tr>
<tr>
<td>459</td>
<td>Attendants, amusement &amp; recreation facilities (5254)</td>
<td>1</td>
</tr>
<tr>
<td>461</td>
<td>Guides (5255)</td>
<td>1</td>
</tr>
<tr>
<td>462</td>
<td>Ushers (5256)</td>
<td>1</td>
</tr>
<tr>
<td>463</td>
<td>Public transportation attendants (5257)</td>
<td>1</td>
</tr>
<tr>
<td>464</td>
<td>Baggage porters &amp; bellhops (5262)</td>
<td>1</td>
</tr>
<tr>
<td>465</td>
<td>Welfare service aides (5263)</td>
<td>1</td>
</tr>
<tr>
<td>466</td>
<td>Family child care providers (pt 5264)</td>
<td>1</td>
</tr>
<tr>
<td>467</td>
<td>Early childhood teacher’s assistants (pt 5264)</td>
<td>1</td>
</tr>
<tr>
<td>468</td>
<td>Child care workers, n.e.c. (pt 5264)</td>
<td>1</td>
</tr>
<tr>
<td>469</td>
<td>Personal service occupations, n.e.c. (5258, 5269)</td>
<td>1</td>
</tr>
</tbody>
</table>

#### 9 FARMING FORESTRY & FISHING OCCUPATIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
<th>NSCISC: 10/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>473</td>
<td>Farmers, except horticultural (5512-5514)</td>
<td>1</td>
</tr>
<tr>
<td>474</td>
<td>Horticultural specialty farmers (5515)</td>
<td>1</td>
</tr>
<tr>
<td>475</td>
<td>Managers, farms, except horticultural (5522-5524)</td>
<td>1</td>
</tr>
<tr>
<td>476</td>
<td>Managers, horticultural specialty farms (5525)</td>
<td>1</td>
</tr>
<tr>
<td>477</td>
<td>Supervisors, farm workers (5611)</td>
<td>1</td>
</tr>
<tr>
<td>479</td>
<td>Farm workers (5612-5617)</td>
<td>1</td>
</tr>
<tr>
<td>483</td>
<td>Marine life cultivation workers (5618)</td>
<td>1</td>
</tr>
<tr>
<td>484</td>
<td>Nursery workers (5619)</td>
<td>1</td>
</tr>
<tr>
<td>485</td>
<td>Supervisors, related agricultural occupations (5621)</td>
<td>1</td>
</tr>
<tr>
<td>486</td>
<td>Groundskeepers &amp; gardeners, except farm (5622)</td>
<td>1</td>
</tr>
<tr>
<td>487</td>
<td>Animal caretakers, except farm (5624)</td>
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<tr>
<td>488</td>
<td>Graders &amp; sorters, agricultural products (5625)</td>
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</tr>
<tr>
<td>489</td>
<td>Inspectors, agricultural products (5627)</td>
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</tr>
<tr>
<td>494</td>
<td>Supervisors, forestry, &amp; logging workers (571)</td>
<td>1</td>
</tr>
<tr>
<td>495</td>
<td>Forestry workers, except logging (572)</td>
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</tr>
<tr>
<td>496</td>
<td>Timber cutting &amp; logging occupations (573, 579)</td>
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<tr>
<td>497</td>
<td>Captains &amp; other officers, fishing vessels (pt 8241)</td>
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</tr>
<tr>
<td>498</td>
<td>Fishers (583)</td>
<td>1</td>
</tr>
<tr>
<td>499</td>
<td>Hunters &amp; trappers (584)</td>
<td>1</td>
</tr>
</tbody>
</table>
### 10 PRECISION PRODUCTION, CRAFT, & REPAIR OCCUPATIONS

<table>
<thead>
<tr>
<th>Mechanics &amp; Repairers</th>
<th>503</th>
<th>Supervisors, mechanics &amp; repairers (60)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mechanics &amp; Repairers, Except Supervisors</strong></td>
<td>504</td>
<td></td>
</tr>
<tr>
<td><strong>Vehicle &amp; Mobile Equipment Mechanics &amp; Repairers</strong></td>
<td>505</td>
<td>Automobile mechanics (pt 6111)</td>
</tr>
<tr>
<td>506</td>
<td>Automobile mechanic apprentices (pt 6111)</td>
<td></td>
</tr>
<tr>
<td>507</td>
<td>Bus, truck, &amp; stationary engine mechanics (6112)</td>
<td></td>
</tr>
<tr>
<td>508</td>
<td>Aircraft engine mechanics (6113)</td>
<td></td>
</tr>
<tr>
<td>509</td>
<td>Small engine mechanics (6114)</td>
<td></td>
</tr>
<tr>
<td>510</td>
<td>Automotive body &amp; related repairers (6115)</td>
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<tr>
<td>511</td>
<td>Aircraft mechanics, exc. engine (6116)</td>
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<tr>
<td>512</td>
<td>Heavy equipment mechanics (6117)</td>
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</tr>
<tr>
<td>513</td>
<td>Farm equipment mechanics (6118)</td>
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</tr>
<tr>
<td>514</td>
<td>Industrial machinery repairers (613)</td>
<td></td>
</tr>
<tr>
<td>515</td>
<td>Machinery maintenance occupations (614)</td>
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</tr>
<tr>
<td><strong>Electrical &amp; Electronic Equipment Repairers</strong></td>
<td>516</td>
<td>Electronic repairers, communications, &amp; industrial equipment (6151, 6153, 6155)</td>
</tr>
<tr>
<td>517</td>
<td>Data processing equipment repairers (6154)</td>
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</tr>
<tr>
<td>518</td>
<td>Household appliance &amp; power tool repairers (6155)</td>
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</tr>
<tr>
<td>519</td>
<td>Telephone line installers &amp; repairers (6156)</td>
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</tr>
<tr>
<td>520</td>
<td>Telephone installers &amp; repairers (6157)</td>
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</tr>
<tr>
<td>521</td>
<td>Miscellaneous electrical &amp; electronic equipment repairers (6152, 6159)</td>
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<tr>
<td>522</td>
<td>Heating, air conditioning, &amp; refrigeration mechanics (616)</td>
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</tr>
<tr>
<td><strong>Miscellaneous Mechanics &amp; Repairers</strong></td>
<td>523</td>
<td>Camera, watch, &amp; musical instrument repairers (6171, 6172)</td>
</tr>
<tr>
<td>524</td>
<td>Locksmiths &amp; safe repairers (6173)</td>
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</tr>
<tr>
<td>525</td>
<td>Office machine repairers (6174)</td>
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<tr>
<td>526</td>
<td>Mechanical controls &amp; valve repairers (6175)</td>
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<tr>
<td>527</td>
<td>Elevator installers &amp; repairers (6176)</td>
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<tr>
<td>528</td>
<td>Millwrights (6178)</td>
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<tr>
<td>529</td>
<td>Specified mechanics &amp; repairers, n.e.c. (6177, 6179)</td>
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</tr>
<tr>
<td>530</td>
<td>Not specified mechanics &amp; repairers</td>
<td></td>
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<tr>
<td><strong>Construction Trades</strong></td>
<td>531</td>
<td>Supervisors, construction occupations</td>
</tr>
<tr>
<td>532</td>
<td>Supervisors; brickmasons, stonemasons, &amp; tile setters (6312)</td>
<td></td>
</tr>
<tr>
<td>533</td>
<td>Supervisors, carpenters &amp; related workers (6313)</td>
<td></td>
</tr>
<tr>
<td>534</td>
<td>Supervisors, electricians &amp; power transmission installers (6314)</td>
<td></td>
</tr>
<tr>
<td>535</td>
<td>Supervisors; painters, paperhangers, &amp; plasterers (6315)</td>
<td></td>
</tr>
<tr>
<td>536</td>
<td>Supervisors; plumbers, pipefitters, &amp; steamfitters (6316)</td>
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</tr>
<tr>
<td>537</td>
<td>Supervisors, n.e.c. (6311, 6318)</td>
<td></td>
</tr>
<tr>
<td><strong>Construction Trades, Except Supervisors</strong></td>
<td>538</td>
<td>Brickmasons &amp; stonemasons (pt 6412, pt 6413)</td>
</tr>
<tr>
<td>539</td>
<td>Brickmason &amp; stonemason apprentices (pt 6412, pt 6413)</td>
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</tr>
<tr>
<td>540</td>
<td>Supervisors, carpenters, &amp; related workers (6313)</td>
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</tr>
<tr>
<td>541</td>
<td>Supervisors, electricians &amp; power transmission installers (6314)</td>
<td></td>
</tr>
<tr>
<td>542</td>
<td>Supervisors, painters, paperhangers, &amp; plasterers (6315)</td>
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<tr>
<td>543</td>
<td>Supervisors; plumbers, pipefitters, &amp; steamfitters (6316)</td>
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<tr>
<td>544</td>
<td>Supervisors, n.e.c. (6311, 6318)</td>
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</table>

<table>
<thead>
<tr>
<th>OCCUPATION</th>
<th>554</th>
<th>Brickmasons &amp; stonemasons (pt 6412, pt 6413)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction Trades, Except Supervisors</strong></td>
<td>555</td>
<td>Brickmason &amp; stonemason apprentices (pt 6412, pt 6413)</td>
</tr>
<tr>
<td><strong>Supervisors, Construction Occupations</strong></td>
<td>556</td>
<td>Tile setters, hard &amp; soft (pt 6414, pt 6462)</td>
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<tr>
<td>557</td>
<td>Carpet installers (pt 6462)</td>
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</tr>
<tr>
<td>558</td>
<td>Carpenters (pt 6422)</td>
<td></td>
</tr>
<tr>
<td>559</td>
<td>Carpenter apprentices (pt 6422)</td>
<td></td>
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<tr>
<td>560</td>
<td>Drywall installers (6424)</td>
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<tr>
<td>561</td>
<td>Electricians (pt 6432)</td>
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</tr>
<tr>
<td>562</td>
<td>Electrician apprentices (pt 6432)</td>
<td></td>
</tr>
<tr>
<td>563</td>
<td>Electrical power installers &amp; repairers (6433)</td>
<td></td>
</tr>
<tr>
<td>564</td>
<td>Painters, construction &amp; maintenance (6442)</td>
<td></td>
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<tr>
<td>565</td>
<td>Paperhangers (6443)</td>
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</tr>
<tr>
<td>566</td>
<td>Plasterers (6444)</td>
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</tr>
<tr>
<td>567</td>
<td>Plumbers, pipefitters, &amp; steamfitters (pt 645)</td>
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<tr>
<td>568</td>
<td>Concrete &amp; terrazzo finishers (6463)</td>
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<tr>
<td>569</td>
<td>Glaziers (6464)</td>
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<tr>
<td>570</td>
<td>Insulation workers (6465)</td>
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<tr>
<td>571</td>
<td>Paving, surfacing, &amp; tamping equipment operators (6466)</td>
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<td>572</td>
<td>Roofers (6468)</td>
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<td>573</td>
<td>Sheetmetal duct installers (6472)</td>
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</tr>
<tr>
<td>574</td>
<td>Structural metal workers (6473)</td>
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</tr>
<tr>
<td>575</td>
<td>Drillers, earth (6474)</td>
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<tr>
<td>576</td>
<td>Construction trades, n.e.c. (6475, 6476, 6479)</td>
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<tr>
<td><strong>Extractive Occupations</strong></td>
<td>577</td>
<td>Supervisors, extractive occupations (632)</td>
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<tr>
<td>578</td>
<td>Drillers, oil well (652)</td>
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<td>579</td>
<td>Explosives workers (653)</td>
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<td>580</td>
<td>Mining machine operators (654)</td>
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<tr>
<td>581</td>
<td>Mining occupations, n.e.c. (656)</td>
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<tr>
<td><strong>Precision Production Occupations</strong></td>
<td>582</td>
<td>Supervisors, production occupations (67, 71)</td>
</tr>
<tr>
<td>583</td>
<td>Tool &amp; die makers (pt 6811)</td>
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</tr>
<tr>
<td>584</td>
<td>Tool &amp; die maker apprentices (pt 6811)</td>
<td></td>
</tr>
<tr>
<td>585</td>
<td>Precision assemblers, metal (6812)</td>
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<tr>
<td>586</td>
<td>Machinists (pt 6813)</td>
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</tr>
<tr>
<td>587</td>
<td>Machinist apprentices (pt 6813)</td>
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</tr>
<tr>
<td>588</td>
<td>Boilermakers (6814)</td>
<td></td>
</tr>
<tr>
<td>589</td>
<td>Precision grinders, fitters, &amp; tool sharpeners (6816)</td>
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</tr>
<tr>
<td>590</td>
<td>Patternmakers &amp; model makers, metal (6817)</td>
<td></td>
</tr>
<tr>
<td>591</td>
<td>Lay-out workers (6821)</td>
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</tr>
<tr>
<td>592</td>
<td>Precious stones &amp; metals workers (Jewelers) (6822, 6866)</td>
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</tr>
<tr>
<td>593</td>
<td>Engravers, metal (6823)</td>
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</tr>
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<td>594</td>
<td>Sheet metal workers (pt 6824)</td>
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<tr>
<td>595</td>
<td>Sheet metal worker apprentices (pt 6824)</td>
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<tr>
<td>596</td>
<td>Miscellaneous precision metal workers (6829)</td>
<td></td>
</tr>
<tr>
<td><strong>Precision Woodworking Occupations</strong></td>
<td>597</td>
<td>Patternmakers &amp; model makers, wood (6831)</td>
</tr>
<tr>
<td>598</td>
<td>Cabinet makers &amp; bench carpenters (6832)</td>
<td></td>
</tr>
<tr>
<td>599</td>
<td>Furniture &amp; wood finishers (6835)</td>
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</tr>
<tr>
<td>600</td>
<td>Miscellaneous precision workers (6839)</td>
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</tbody>
</table>
### APPENDIX C
1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

#### 10 PRECISION PRODUCTION, CRAFT, & REPAIR OCCUPATIONS (continued)

<table>
<thead>
<tr>
<th>Precision Textile, Apparel, &amp; Furnishings Machine Workers</th>
<th>Precision Food Production Occupations</th>
</tr>
</thead>
<tbody>
<tr>
<td>666 Dressmakers (pt 6852, pt 7752)</td>
<td>686 Butchers &amp; meat cutters (6871)</td>
</tr>
<tr>
<td>667 Tailors (pt 6852)</td>
<td>687 Bakers (6872)</td>
</tr>
<tr>
<td>668 Upholsterers (6853)</td>
<td>688 Food batchmakers (6873, 6879)</td>
</tr>
<tr>
<td>669 Shoe repairers (6854)</td>
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</tr>
<tr>
<td>674 Miscellaneous precision apparel &amp; fabric workers (6856, 6859, pt 7752)</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Precision Workers, Assorted Materials</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>675 Hand molders &amp; shapers, except jewelers (6861)</td>
<td></td>
</tr>
<tr>
<td>676 Patternmakers, lay-out workers, &amp; cutters (6862)</td>
<td></td>
</tr>
<tr>
<td>677 Optical goods workers (6864, pt 7477, pt 7677)</td>
<td></td>
</tr>
<tr>
<td>678 Dental laboratory &amp; medical appliance technicians (6865)</td>
<td></td>
</tr>
<tr>
<td>679 Bookbinders (6844)</td>
<td></td>
</tr>
<tr>
<td>683 Electrical &amp; electronic equipment assemblers (6867)</td>
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</tr>
<tr>
<td>684 Miscellaneous precision workers, n.e.c. (6869)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Precision Inspectors, Testers, &amp; Related Workers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>689 Inspectors, testers, &amp; graders (6881, 828)</td>
<td></td>
</tr>
<tr>
<td>693 Adjusters &amp; calibrators (6882)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plant &amp; System Operators</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>694 Water &amp; sewage treatment plant operators (691)</td>
<td></td>
</tr>
<tr>
<td>695 Power plant operators (pt 693)</td>
<td></td>
</tr>
<tr>
<td>696 Stationary engineers (pt 693, 7668)</td>
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</tr>
<tr>
<td>699 Miscellaneous plant &amp; system operators (692, 694, 695, 696)</td>
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</tr>
</tbody>
</table>
## 11 MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS

### Machine Operators & Tenders, Except Precision Metalworking & Plastic Working Machine Operators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>703</td>
<td>Lathe &amp; turning machine set-up operators (7312)</td>
</tr>
<tr>
<td>704</td>
<td>Lathe &amp; turning machine operators (7512)</td>
</tr>
<tr>
<td>705</td>
<td>Milling planing machine operators (7313, 7513)</td>
</tr>
<tr>
<td>706</td>
<td>Punching &amp; stamping press machine operators (7314, 7317, 7514, 7517)</td>
</tr>
<tr>
<td>707</td>
<td>Rolling machine operators (7316, 7516)</td>
</tr>
<tr>
<td>708</td>
<td>Drilling boring machine operators (7318, 7518)</td>
</tr>
<tr>
<td>709</td>
<td>Grinding, abrasive, buffing, &amp; polishing machine operators (7322, 7324, 7522)</td>
</tr>
<tr>
<td>713</td>
<td>Forging machine operators (7319, 7519)</td>
</tr>
<tr>
<td>714</td>
<td>Numerical control machine operators (7326)</td>
</tr>
<tr>
<td>715</td>
<td>Miscellaneous metal, plastic, stone, &amp; glass working machine operators (7329, 7529)</td>
</tr>
<tr>
<td>717</td>
<td>Fabricating machine operators, n.e.c. (7339, 7539)</td>
</tr>
</tbody>
</table>

### Metal & Plastic Processing Machine Operators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>719</td>
<td>Molding &amp; casting machine operators (7315, 7342, 7515, 7542)</td>
</tr>
<tr>
<td>723</td>
<td>Metal plating machine operators (7343, 7543)</td>
</tr>
<tr>
<td>724</td>
<td>Heat treating equipment operators (7344, 7544)</td>
</tr>
<tr>
<td>725</td>
<td>Miscellaneous metal &amp; plastic processing machine operators (7349, 7549)</td>
</tr>
</tbody>
</table>

### Woodworking Machine Operators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>726</td>
<td>Wood lathe, routing, &amp; planing machine operators (7431, 7432, 7631, 7632)</td>
</tr>
<tr>
<td>727</td>
<td>Sawing machine operators (7433, 7633)</td>
</tr>
<tr>
<td>728</td>
<td>Shaping &amp; joining machine operators (7435, 7635)</td>
</tr>
<tr>
<td>729</td>
<td>Nailing &amp; tacking machine operators (7636)</td>
</tr>
<tr>
<td>733</td>
<td>Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)</td>
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</tbody>
</table>

### Printing Machine Operators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>734</td>
<td>Printing press operators (7443, 7643)</td>
</tr>
<tr>
<td>735</td>
<td>Photoengravers &amp; lithographers (6842, 7444, 7644)</td>
</tr>
<tr>
<td>736</td>
<td>Typesetters &amp; compositors (6841, 7642)</td>
</tr>
<tr>
<td>737</td>
<td>Miscellaneous printing machine operators (6849, 7449, 7649)</td>
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</table>

### Textile, Apparel, & Furnishings Machine Operators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>738</td>
<td>Winding &amp; twisting machine operators (7451, 7651)</td>
</tr>
<tr>
<td>739</td>
<td>Knitting, looping, tailoring, &amp; weaving machine operators (7452, 7652)</td>
</tr>
<tr>
<td>743</td>
<td>Textile cutting machine operators (7654)</td>
</tr>
<tr>
<td>744</td>
<td>Textile sewing machine operators (7655)</td>
</tr>
<tr>
<td>745</td>
<td>Shoe machine operators (7656)</td>
</tr>
<tr>
<td>747</td>
<td>Pressing machine operators (7657)</td>
</tr>
<tr>
<td>748</td>
<td>Laundering &amp; dry cleaning machine operators (6855, 7658)</td>
</tr>
<tr>
<td>749</td>
<td>Misc. textile machine operators (7459, 7659)</td>
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</table>

### Machine Operators, Assorted Materials

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>753</td>
<td>Cementing &amp; gunning machine operators (7661)</td>
</tr>
<tr>
<td>754</td>
<td>Packaging &amp; filling machine operators (7462, 7662)</td>
</tr>
<tr>
<td>755</td>
<td>Extruding forming machine operators (7463, 7663)</td>
</tr>
<tr>
<td>756</td>
<td>Mixing &amp; blending machine operators (7664)</td>
</tr>
<tr>
<td>757</td>
<td>Separating, filtering, &amp; clarifying machine operators (7476, 7666, 7676)</td>
</tr>
<tr>
<td>758</td>
<td>Compressing &amp; compacting machine operators (7467, 7667)</td>
</tr>
<tr>
<td>759</td>
<td>Painting paint spraying machine operators (7669)</td>
</tr>
<tr>
<td>763</td>
<td>Roasting/baking machine operators, food (7472, 7672)</td>
</tr>
<tr>
<td>764</td>
<td>Washing, cleaning, &amp; pickling machine operators (7673)</td>
</tr>
<tr>
<td>765</td>
<td>Folding machine operators (7474, 7674)</td>
</tr>
<tr>
<td>766</td>
<td>Furnace, kiln, &amp; oven operators, exc. food (7675)</td>
</tr>
<tr>
<td>768</td>
<td>Crushing &amp; grinding machine operators (pt 7477, pt 7677)</td>
</tr>
<tr>
<td>769</td>
<td>Slicing &amp; cutting machine operators (7478, 7678)</td>
</tr>
<tr>
<td>773</td>
<td>Motion picture projectionists (pt 7479)</td>
</tr>
<tr>
<td>774</td>
<td>Photographic process machine operators (6863, 6868, 7671)</td>
</tr>
<tr>
<td>777</td>
<td>Miscellaneous machine operators, n.e.c. (Pt 7479, 7665, 7679)</td>
</tr>
<tr>
<td>779</td>
<td>Machine operators, not specified</td>
</tr>
</tbody>
</table>

### Fabricators, Assemblers, Hand Working Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>783</td>
<td>Welders &amp; cutters (7332, 7532, 7714)</td>
</tr>
<tr>
<td>784</td>
<td>Solderers &amp; brazers (7333, 7533, 7717)</td>
</tr>
<tr>
<td>785</td>
<td>Assemblers (772, 774)</td>
</tr>
<tr>
<td>786</td>
<td>Hand cutting &amp; trimming occupations (7753)</td>
</tr>
<tr>
<td>787</td>
<td>Hand molding, casting, &amp; forming occupations (7754, 7755)</td>
</tr>
<tr>
<td>789</td>
<td>Hand Painting, coating, decorating occupations (7756)</td>
</tr>
<tr>
<td>793</td>
<td>Hand engraving &amp; printing occupations (7757)</td>
</tr>
<tr>
<td>795</td>
<td>Miscellaneous Hand working occupations (7758, 7759)</td>
</tr>
</tbody>
</table>

### Production Inspectors, Testers, Samplers, & Weighers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>796</td>
<td>Production inspectors, checkers, &amp; examiners (782, 787)</td>
</tr>
<tr>
<td>797</td>
<td>Production testers (783)</td>
</tr>
<tr>
<td>798</td>
<td>Production samplers &amp; weighers (784)</td>
</tr>
<tr>
<td>799</td>
<td>Graders &amp; sorters, exc. agricultural (785)</td>
</tr>
</tbody>
</table>
## APPENDIX C

### 1990 OCCUPATIONAL CLASSIFICATION SYSTEM (FOR VARIABLES 124 AND 207)

### 12 Transportation & Material Moving Occupations

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
<th>Code</th>
<th>Occupation Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>803</td>
<td>Supervisors, motor vehicle operators (8111)</td>
<td>828</td>
<td>Ship captains &amp; mates, except fishing boats (pt 8241, 8242)</td>
</tr>
<tr>
<td>804</td>
<td>Truck drivers (8212-8214)</td>
<td>829</td>
<td>Sailors &amp; deckhands (8243)</td>
</tr>
<tr>
<td>806</td>
<td>Driver-sales workers (8218)</td>
<td>833</td>
<td>Marine engineers (8244)</td>
</tr>
<tr>
<td>808</td>
<td>Bus drivers (8215)</td>
<td>834</td>
<td>Bridge, lock, &amp; lighthouse tenders (8245)</td>
</tr>
<tr>
<td>809</td>
<td>Taxicab drivers &amp; chauffeurs (8216)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>813</td>
<td>Parking lot attendants (874)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>814</td>
<td>Motor transportation occupations, n.e.c. (8219)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Transportation Occupations, Except Motor Vehicles</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Rail Transportation Occupations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>823</td>
<td>Railroad conductors &amp; yardmasters (8113)</td>
<td>843</td>
<td>Supervisors, material moving equipment operators (812)</td>
</tr>
<tr>
<td>824</td>
<td>Locomotive operating occupations (8232)</td>
<td>844</td>
<td>Operating engineers (8312)</td>
</tr>
<tr>
<td>825</td>
<td>Railroad brake, signal, &amp; switch operators (8233)</td>
<td>845</td>
<td>Longshore equipment operators (8313)</td>
</tr>
<tr>
<td>826</td>
<td>Rail vehicle operators, n.e.c. (8239)</td>
<td>848</td>
<td>Hoist &amp; winch operators (8314)</td>
</tr>
<tr>
<td></td>
<td><strong>Water Transportation Occupations</strong></td>
<td>849</td>
<td>Crane &amp; tower operators (8315)</td>
</tr>
<tr>
<td></td>
<td><strong>Material Moving Equipment Operators</strong></td>
<td>853</td>
<td>Excavating &amp; loading machine operators (8316)</td>
</tr>
<tr>
<td></td>
<td><strong>Transportation Occupations, Except Motor Vehicles</strong></td>
<td>855</td>
<td>Grader, dozer, &amp; scraper operators (8317)</td>
</tr>
<tr>
<td></td>
<td><strong>Material Moving Equipment Operators</strong></td>
<td>856</td>
<td>Industrial truck &amp; tractor equipment operators (8318)</td>
</tr>
<tr>
<td></td>
<td><strong>Freight, Stock &amp; Material Handlers</strong></td>
<td>859</td>
<td>Miscellaneous material moving equipment Operators (8319)</td>
</tr>
<tr>
<td>864</td>
<td>Supervisors, handlers, equipment cleaners &amp; laborers, n.e.c. (85)</td>
<td>875</td>
<td>Garbage collectors (8722)</td>
</tr>
<tr>
<td>865</td>
<td>Helpers, mechanics &amp; repairers (863)</td>
<td>876</td>
<td>Stevedores (8723)</td>
</tr>
<tr>
<td></td>
<td><strong>Helpers, Constructive &amp; Extractive Occupations</strong></td>
<td>877</td>
<td>Stock handlers &amp; baggers (8724)</td>
</tr>
<tr>
<td>866</td>
<td>Helpers, construction trades (8641-8645, 8648)</td>
<td>878</td>
<td>Machine feeders &amp; offbearers (8725)</td>
</tr>
<tr>
<td>867</td>
<td>Helpers, surveyor (8646)</td>
<td>883</td>
<td>Freight, stock &amp; material handlers, n.e.c. (8726)</td>
</tr>
<tr>
<td>868</td>
<td>Helpers, extractive occupations (865)</td>
<td>885</td>
<td>Garage &amp; service station related occupations (873)</td>
</tr>
<tr>
<td>869</td>
<td>Construction laborers (871)</td>
<td>887</td>
<td>Vehicle washers &amp; equipment cleaners (875)</td>
</tr>
<tr>
<td>874</td>
<td>Production helpers (861, 862)</td>
<td>888</td>
<td>Hand packers &amp; packagers (8761)</td>
</tr>
<tr>
<td></td>
<td><strong>13 Handlers, Equipment, Cleaners, Helpers &amp; Laborers</strong></td>
<td>889</td>
<td>Laborers, except construction (8769)</td>
</tr>
</tbody>
</table>

### 14 MILITARY OCCUPATIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>903</td>
<td>Commissioned Officers &amp; Warrant Officers</td>
</tr>
<tr>
<td>904</td>
<td>Non-commissioned Officers &amp; Other Enlisted Personnel</td>
</tr>
<tr>
<td>905</td>
<td>Military occupation, rank not specified</td>
</tr>
</tbody>
</table>

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NSCISC: 10/2011  C13
APPENDIX D
TIPS FOR RECRUITMENT, RETENTION & TRACKING PATIENTS

The following are recommendations and strategies gathered from Model Systems and the NSCISC. Not all of these suggestions will be viable options for all Centers.

Recruitment & Retention begins before the patient is enrolled!!

Build a relationship with clinic and inpatient staff:
- Establish a cooperative relationship with residents and rehab staff.
- Ask physician/clinician to introduce you or at least mention the study and that he/she is involved in it.
- Attend inpatient rehab team meetings to increase face-time with staff & patient.
- Claim some space (at least on a part-time basis) in or near the rehab unit and/or clinic.
  This is a way to increase face-time with inpatient/clinic staff, family, and patients.

Build a relationship with the patient before recruitment:
When approaching the patient:
- **Be casual & friendly, confident & assertive.**
- Get introduced by the physician or medical team. If that is not possible, mention the physician’s name in your introduction. Before talking about the study, ask if you can assist them in getting information and try to meet their family (this is especially helpful for certain cultures).
- Leave SCI educational material or newsletters with them.
- Make connections by asking about family, pictures or hobbies if they are interested in talking.
- Meet the family at scheduled meetings with staff. Take a few minutes to sit and talk with family and patient.
- Visit patient/family in evenings as well as day hours (this will allow for more uninterrupted, relaxed face-time).

When introducing the study: TIMING is important!
- Be casual & friendly, confident & assertive. Convey the importance of our study and the importance of their involvement.
- There are three types of participants 1) Those who are willing to participate, 2) Those who are hesitant to participate, 3) Those who will not participate under any circumstance. When approaching the patient, assume they will participate (most patients fall into this category). If they are hesitant, probe for a reason. Make an effort to connect with them or their family. Don’t be too pushy – you can always come back and continue the conversation later and possibly bring material that will alleviate their concerns. ’Leave the door open’!
- Use the word ‘Study’ or ‘Project’ instead of research. Explain why the study is important and useful: SCIMS is a well-known, highly regarded study that has been collecting data for over 35 years. It is used in legislative decisions, court cases, and it has been cited in multiple high profile newspapers like USA Today.
- Leave a recruitment brochure, educational material, games and/or puzzles (print from free sites).
- Consent before discharge if at all possible, but if patients are overwhelmed, suggest another time to contact them. If you need to, see them at their first clinic outpatient appointment.
APPENDIX D
TIPS FOR RECRUITMENT, RETENTION & TRACKING PATIENTS

✓ Ask if they (or their family!) have any questions and then answer them.
✓ If they are in a negative mood, then reschedule.
✓ Be sure patient and family understands that this long term study should have at least 3 alternate contacts: aunts, uncles, grandparents, friends, etc… Some participants will be reluctant to offer up others’ contact info. Be assertive and clear that contact will only be attempted after all means of contacting the participant have been exhausted.
✓ Ask if they are on Face Book or MySpace and get that info.
✓ Have the person who will be contacting the patient for follow-up data meet with the patient.

After consenting:
✓ Give them a certificate or logo’d items they can take home as a reminder: pen, pencil, pad, calendar or squeeze ball. This helps cement relationships after they leave with visual reminders.
✓ Give them a re-location postcard with center address & phone number in case they move.
✓ Call after discharge to see how they are doing or send a postcard sometime after discharge (this may be a reminder of clinic appointment or upcoming interview), or a birthday card.

Prior to Form 2 interview:
✓ Send mailings (newsletters, birthday cards, and/or holiday cards).
✓ Send flyer or letter to last known address prior to interview to let them know you will be contacting them soon. Mark envelope with ‘Forwarding & Address Correction Requested’ so the Post Office will return the envelope with a correct address if they have it.
✓ Call at least 6 times making several attempts at each time frame:
  ▪ Call at different times of the day
  ▪ Call on weekends
  ▪ Call after hours
  ▪ Call when the weather is bad

When contact info is no longer valid:
✓ Check SSDI for death verification (http://ssdi.rootsweb.ancestry.com/). OR check the Ancestry Social Security Death Index site to see if the patient is deceased (http://www.ancestry.com/ssdi/advanced.htm). When searching, enter only what you’re sure of (e.g. it won’t find Dave if it’s in the database as David).
  ○ If you only have a name and you get multiple hits, you may run an advanced search including the state or other limiting data. Results are in states’ geographic order (Maine, Vermont, Massachusetts …).
✓ Check for hospital or clinic visits for updated contact information.
APPENDIX D
TIPS FOR RECRUITMENT, RETENTION & TRACKING PATIENTS

✓ Be aware that women may change their last names after a marriage.
✓ Check these free internet sites for address and phone number of participant and family members/alternate contacts:
  - www.whitepages.com
  - www.Pipl.com
  - www.123people.com
  - www.switchboard.com
  - www.zabasearch.com

✓ Check local obituaries.
✓ Check prison/jail enrollment website for your state.
✓ As a last resort, mail letter/interview to last known address.

For Fee Searches:
✓ Accurint/LexisNexis - They charge a flat monthly fee and charges for each search up to that amount are included in the flat fee.
✓ www.Intelius.com
✓ www.netdetective.com
✓ Beenverified.com
✓ TLO

Before coding a participant’s Form 2 as ‘Lost - No Contact’, the Data Committee recommends this Minimum Tracking Effort:

A) After obtaining the most current, valid, phone number, there should be at least six attempts to contact a person. These attempts should be made at different times during the day, evening, and weekends.
B) If unable to contact by telephone, a survey requesting the data should be mailed to the patient's home.

Reduced Tracking Effort:
If a participant is coded ‘Lost – No Contact’ 2 or more consecutive cycles (ie, a Year 15 is due, and years 5 and 10 are ‘Lost – No Contact’) centers may use the Reduced Tracking Effort as a minimum.

A) Check SSDI for record of death.
B) Check System records (hospital and clinic) for recent activity
C) For updated contact information use a Fee based search if available, if not, search at least 2 of the free search sites listed above.

*Phone calls and mailed survey are not required unless new contact information is found.
Also, the Follow-up Tracking Committee recommends reading the publication Retaining and Tracking Cohort Study Members included in Appendix D.
APPENDIX D
TIPS FOR RECRUITMENT, RETENTION & TRACKING PATIENTS

WHERE TO WRITE FOR VITAL RECORDS

Go to this National Center for Health Statistics web site:

http://www.cdc.gov/nchs/howto/w2w/w2welcom.htm

An alphabetical directory is provided for those users who want direct access to individual State and territory information. To use, you must first determine the State or area where the event occurred, then select the first letter in the State name from the alphabet.

Next, double click on the state or territory name.
This is an example of information available from this site:
Application Guidelines From The National Center For Health Statistics Web Site

An official certificate of every birth, death, marriage, and divorce should be on file in the locality where the event occurred. The Federal Government does not maintain files or indexes of these records. These records are filed permanently in a State vital statistics office or in a city, county, or other local office.

To obtain a certified copy of any of the certificates, write or go to the vital statistics office in the State or area where the event occurred. Addresses and fees are given for each event in the State or area concerned.

To ensure that you receive an accurate record for your request and that your request is filed expeditiously, please follow the steps outlined below for the information in which you are interested:

For all requests make check or money order payable to the identified office, in the correct amount for the number of copies requested. Sending cash is not recommended because the office cannot refund cash lost in transit.

All fees are subject to change, so check each State to verify the current fee.

Some States have provided their home page address for obtaining current information.

Type or print all names and addresses in the letter.

Give the following facts when writing for birth or death records:

1. Full name of person whose record is requested.
2. Sex.
3. Parents' names, including maiden name of mother.
4. Month, day, and year of birth or death.
5. Place of birth or death (city or town, county, and State; and name of hospital, if known).
6. Purpose for which copy is needed.
7. Relationship to person whose record is requested.

Be sure you know the state’s rule regarding disclosure of the cause of death information on the Death Certificate. You may have to submit a letter stipulating that you wish to have the cause of death information.

NSCISC: 10/2011

D6
ICD 10-CM 2010

Level of Detail in Coding
ICD-10-CM is composed of codes with either 3, 4, 5, 6 or 7 digits. Codes with three digits are included in ICD-10-CM as the heading of a category of codes that may be further subdivided by the use of fourth fifth digits, sixth or seventh digits which provide greater specificity.

Use of full number of digits required for a code
A three-digit code is to be used only if it is not further subdivided. A code is invalid if it has not been coded to the full number of characters required for that code.
External cause codes are intended to provide data for injury research and evaluation of injury prevention strategies. These codes capture how the injury or health condition happened (cause), the intent (unintentional or accidental; or intentional, such as suicide or assault), the place where the event occurred and the activity of the patient at the time of the event.

Child and Adult Abuse Guideline
Adult and child abuse, neglect and maltreatment are classified as assault. Any of the assault codes may be used to indicate the external cause of any injury resulting from the confirmed abuse.
For confirmed cases of abuse, neglect and maltreatment, when the perpetrator is known, a code from Y07, Perpetrator of maltreatment and neglect, should accompany any other assault codes.

Unknown or Undetermined Intent Guideline
If the intent (accident, self-harm, assault) of the cause of an injury or other condition is unknown or unspecified, code the intent as accidental intent. All transport accident categories assume accidental intent.

Use of undetermined intent
External cause codes for events of undetermined intent are only for use if the documentation in the record specifies that the intent cannot be determined.
External causes of morbidity (V01-Y99)

This chapter permits the classification of environmental events and circumstances as the cause of injury, and other adverse effects.

This chapter contains the following blocks:
V00-X58 Accidents
V00-V99 Transport accidents
V00-V09 Pedestrian injured in transport accident
V10-V19 Pedal cyclist injured in transport accident
V20-V29 Motorcycle rider injured in transport accident
V30-V39 Occupant of three-wheeled motor vehicle injured in transport accident
V40-V49 Car occupant injured in transport accident
V50-V59 Occupant of pick-up truck or van injured in transport accident
V60-V69 Occupant of heavy transport vehicle injured in transport accident
V70-V79 Bus occupant injured in transport accident
V80-V89 Other land transport accidents
V90-V94 Water transport accidents
V95-V97 Air and space transport accidents
V98-V99 Other and unspecified transport accidents
W00-X58 Other external causes of accidental injury
W00-W19 Slipping, tripping, stumbling and falls
W20-W49 Exposure to inanimate mechanical forces
W50-W64 Exposure to animate mechanical forces
W65-W74 Accidental drowning and submersion
W85-W99 Exposure to electric current, radiation and extreme ambient air temperature and pressure
X00-X08 Exposure to smoke, fire and flames
X10-X19 Contact with heat and hot substances
X30-X39 Exposure to forces of nature
X52, X58 Accidental exposure to other specified factors
X71-X83 Intentional self-harm
X92-Y08 Assault
Y21-Y33 Event of undetermined intent
Y35-Y38 Legal intervention, operations of war, military operations, and terrorism
Y62-Y84 Complications of medical and surgical care
Y62-Y69 Misadventures to patients during surgical and medical care
Y70-Y82 Medical devices associated with adverse incidents in diagnostic and therapeutic use
Y83-Y84 Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y90-Y99 Supplementary factors related to causes of morbidity classified elsewhere
Transport accidents (V00-V99)

This section is structured in 12 groups. Those relating to land transport accidents (V01- V89) reflect the victim's mode of transport and are subdivided to identify the victim's "counterpart" or the type of event. The vehicle of which the injured person is an occupant is identified in the first two characters since it is seen as the most important factor to identify for prevention purposes. A transport accident is one in which the vehicle involved must be moving or running or in use for transport purposes at the time of the accident.

Use additional code to identify:
- Airbag injury (W22.1)
- Type of street or road (Y92.4-)
- Use of cellular telephone and other electronic equipment at the time of the transport accident
  (Y93.c-)

Excludes1: agricultural vehicles in stationary use or maintenance (W31.-)
- assault by crashing of motor vehicle (Y03.-)
- automobile or motor cycle in stationary use or maintenance - code to type of accident
- crashing of motor vehicle, undetermined intent (Y32)
- intentional self-harm by crashing of motor vehicle (X82)

Excludes2: transport accidents due to cataclysm (X34-X38)

Definitions of transport vehicles:
- A transport accident is any accident involving a device designed primarily for, or used at the time primarily for, conveying persons or good from one place to another
- A public highway [trafficway] or street is the entire width between property lines (or other boundary lines) of land open to the public as a matter of right or custom for purposes of moving persons or property from one place to another. A roadway is that part of the public highway designed, improved and customarily used for vehicular traffic.
- A traffic accident is any vehicle accident occurring on the public highway [i.e. originating on, terminating on, or involving a vehicle partially on the highway]. A vehicle accident is assumed to have occurred on the public highway unless another place is specified, except in the case of accidents involving only off-road motor vehicles, which are classified as nontraffic accidents unless the contrary is stated.
- A nontraffic accident is any vehicle accident that occurs entirely in any place other than a public highway.
- A pedestrian is any person involved in an accident who was not at the time of the accident riding in or on a motor vehicle, railway train, streetcar or animal-drawn or other vehicle, or on a pedal cycle or animal. This includes, a person changing a tire or working on a parked car. It also includes the use of a pedestrian conveyance such as a baby carriage, ice-skates, roller skates, a skateboard, nonmotorized wheelchair, motorized mobility scooter, or nonmotorized scooter.
- A driver is an occupant of a transport vehicle who is operating or intending to operate it.
- A passenger is any occupant of a transport vehicle other than the driver, except a person traveling on the outside of the vehicle.
- A person on the outside of a vehicle is any person being transported by a vehicle but not occupying the space normally reserved for the driver or passengers, or the space intended for the transport of property. This includes the body, bumper, fender, roof, running board or step of a vehicle.
- A pedal cycle is any land transport vehicle operated solely by nonmotorized pedals including a bicycle or tricycle.
A pedal cyclist is any person riding a pedal cycle or in a sidecar or trailer attached to a pedal cycle.
A motorcycle is a two-wheeled motor vehicle with one or two riding saddles and sometimes with a third wheel for the support of a sidecar. The sidecar is considered part of the motorcycle.
A motorcycle rider is any person riding a motorcycle or in a sidecar or trailer attached to the motorcycle.
A three-wheeled motor vehicle is a motorized tricycle designed primarily for on-road use. This includes a motor-driven tricycle, a motorized rickshaw, or a three-wheeled motor car.
A car [automobile] is a four-wheeled motor vehicle designed primarily for carrying up to 7 persons. A trailer being towed by the car is considered part of the car.
A pick-up truck or van is a four or six-wheeled motor vehicle designed for carrying passengers as well as property or cargo weighing less than the local limit for classification as a heavy goods vehicle, and not requiring a special driver's license. This includes a minivan and a sport-utility vehicle (SUV).
A heavy transport vehicle is a motor vehicle designed primarily for carrying property, meeting local criteria for classification as a heavy goods vehicle in terms of weight and requiring a special driver's license.
A bus (coach) is a motor vehicle designed or adapted primarily for carrying more than 10 passengers, and requiring a special driver's license.
A railway train or railway vehicle is any device, with or without freight or passenger cars couple to it, designed for traffic on a railway track. This includes subterranean (subways) or elevated trains.
A streetcar, is a device designed and used primarily for transporting passengers within a municipality, running on rails, usually subject to normal traffic control signals, and operated principally on a right-of-way that forms part of the roadway. This includes a tram or trolley that runs on rails. A trailer being towed by a streetcar is considered part of the streetcar.
A special vehicle mainly used on industrial premises is a motor vehicle designed primarily for use within the buildings and premises of industrial or commercial establishments. This includes battery-powered trucks, forklifts, coal-cars in a coal mine, logging cars and trucks used in mines or quarries.
A special vehicle mainly used in agriculture is a motor vehicle designed specifically for use in farming and agriculture (horticulture), to work the land, tend and harvest crops and transport materials on the farm. This includes harvesters, farm machinery and tractor and trailers.
A special construction vehicle is a motor vehicle designed specifically for use on construction and demolition sites. This includes bulldozers, diggers, earth levellers, dump trucks, backhoes, front-end loaders, pavers, and mechanical shovels.
A special all-terrain vehicle is a motor vehicle of special design to enable it to negotiate over rough or soft terrain, snow or sand. This includes snow mobiles, All-terrain vehicles (ATV), and dune buggies. It does not include passenger vehicle designated as Sport Utility Vehicles. (SUV)
A watercraft is any device designed for transporting passengers or goods on water. This includes motor or sail boats, ships, and hovercraft.
An aircraft is any device for transporting passengers or goods in the air. This includes hot-air balloons, gliders, helicopters and airplanes.

A military vehicle is any motorized vehicle operating on a public roadway owned by the military and being operated by a member of the military.

Pedestrian injured in transport accident (V00-V09)

Includes:  
- person changing tire on transport vehicle  
- person examining engine of vehicle broken down in (on side of) road

Excludes1:  
- fall due to non-transport collision with other person (W03)  
- pedestrian on foot falling (slipping) on ice and snow (W00.-)

struck or bumped by another person (W51)

V00  Pedestrian conveyance accident

Use additional place of occurrence and activity external cause codes, if known (Y92.-, Y93.-)

Excludes1:  
- collision with another person without fall (W51)  
- fall due to person on foot colliding with another person on foot (W03)  
- fall from wheelchair without collision (W05)  
- pedestrian (conveyance) collision with other land transport vehicle (V01-V09)  
- pedestrian on foot falling (slipping) on ice and snow (W00.-)

The appropriate 7th character is to be added to each code from category V00

A  initial encounter  
D  subsequent encounter  
S  sequela

V00.0  Pedestrian on foot injured in collision with pedestrian conveyance

V00.01  Pedestrian on foot injured in collision with roller-skater

V00.02  Pedestrian on foot injured in collision with skateboarder

V00.09  Pedestrian on foot injured in collision with other pedestrian conveyance

V00.1  Rolling-type pedestrian conveyance accident

Excludes1:  
- accident with babystroller (V00.82-)  
- accident with wheelchair (powered) (V00.81-)

V00.11  In-line roller-skate accident

V00.111  Fall from in-line roller-skates

V00.112  In-line roller-skater colliding with stationary object

V00.118  Other in-line roller-skate accident

Excludes1:  
- roller-skater collision with other land transport vehicle (V01-V09 with 5th character 1)

V00.12  Non-in-line roller-skate accident

V00.121  Fall from non-in-line roller-skates
V00.122 Non-in-line roller-skater colliding with stationary object
V00.128 Other non-in-line roller-skating accident
   Excludes1: roller-skater collision with other land transport vehicle (V01-V09 with 5th character 1)
V00.13 Skateboard accident
V00.131 Fall from skateboard
V00.132 Skateboarder colliding with stationary object
V00.138 Other skateboard accident
   Excludes1: skateboarder collision with other land transport vehicle (V01-V09 with 5th character 2)
V00.14 Scooter (nonmotorized) accident
   Excludes1: motorscooter accident (V20-V29)
V00.141 Fall from scooter (nonmotorized)
V00.142 Scooter (nonmotorized) colliding with stationary object
V00.148 Other scooter (nonmotorized) accident
   Excludes1: scooter (nonmotorized) collision with other land transport vehicle (V01-V09 with fifth character 9)
V00.15 Heelies accident
V00.151 Fall from heelies
V00.152 Heelies colliding with stationary object
V00.158 Other heelies accident
V00.18 Accident on other rolling-type pedestrian conveyance
V00.181 Fall from other rolling-type pedestrian conveyance
V00.182 Pedestrian on other rolling-type pedestrian conveyance colliding with stationary object
V00.188 Other accident on other rolling-type pedestrian conveyance
V00.2 Gliding-type pedestrian conveyance accident
V00.21 Ice-skates accident
V00.211 Fall from ice-skates
V00.212 Ice-skater colliding with stationary object
V00.218 Other ice-skates accident
   Excludes1: ice-skater collision with other land transport vehicle (V01-V09 with 5th digit 9)
V00.22 Sled accident
V00.221 Fall from sled
V00.222  Sledder colliding with stationary object
V00.228  Other sled accident
          Excludes1: sled collision with other land transport vehicle (V01-V09 with 5th digit 9)
V00.28  Other gliding-type pedestrian conveyance accident
V00.281  Fall from other gliding-type pedestrian conveyance
V00.282  Pedestrian on other gliding-type pedestrian conveyance colliding with stationary object
V00.288  Other accident on other gliding-type pedestrian conveyance
          Excludes1: gliding-type pedestrian conveyance collision with other land transport vehicle (V01-V09 with 5th digit 9)
V00.3  Flat-bottomed pedestrian conveyance accident
V00.31  Snowboard accident
V00.311  Fall from snowboard
V00.312  Snowboarder colliding with stationary object
V00.318  Other snowboard accident
          Excludes1: snowboarder collision with other land transport vehicle (V01-V09 with 5th digit 9)
V00.32  Snow-ski accident
V00.321  Fall from snow-skis
V00.322  Snow-skier colliding with stationary object
V00.328  Other snow-ski accident
          Excludes1: snow-skier collision with other land transport vehicle (V01-V09 with 5th digit 9)
V00.38  Other flat-bottomed pedestrian conveyance accident
V00.381  Fall from other flat-bottomed pedestrian conveyance
V00.382  Pedestrian on other flat-bottomed pedestrian conveyance colliding with stationary object
V00.388  Other accident on other flat-bottomed pedestrian conveyance
V00.8  Accident on other pedestrian conveyance
V00.81  Accident with wheelchair (powered)
V00.811  Fall from moving wheelchair (powered)
Excludes1: fall from non-moving wheelchair (W05)

V00.812  Wheelchair (powered) colliding with stationary object
V00.818  Other accident with wheelchair (powered)
V00.82   Accident with babystroller
V00.821  Fall from babystroller
V00.822  Babystroller colliding with stationary object
V00.828  Other accident with babystroller
V00.89   Accident on other pedestrian conveyance
V00.891  Fall from other pedestrian conveyance
V00.892  Pedestrian on other pedestrian conveyance colliding with stationary object
V00.898  Other accident on other pedestrian conveyance

Excludes1: other pedestrian (conveyance) collision with other land transport vehicle (V01-V09 with 5th digit 9)

V01  Pedestrian injured in collision with pedal cycle

The appropriate 7th character is to be added to each code from category V01

A  initial encounter
D  subsequent encounter
S  sequela

V01.0  Pedestrian injured in collision with pedal cycle in nontraffic accident

V01.00  Pedestrian on foot injured in collision with pedal cycle in nontraffic accident
Pedestrian NOS injured in collision with pedal cycle in nontraffic accident

V01.01  Pedestrian on roller-skates injured in collision with pedal cycle in nontraffic accident

V01.02  Pedestrian on skateboard injured in collision with pedal cycle in nontraffic accident

V01.09  Pedestrian with other conveyance injured in collision with pedal cycle in nontraffic accident
Pedestrian with babystroller injured in collision with pedal cycle in nontraffic accident
Pedestrian on ice-skates injured in collision with pedal cycle in nontraffic accident
Pedestrian on sled injured in collision with pedal cycle in nontraffic accident
Pedestrian on snowboard injured in collision with pedal cycle in nontraffic accident
Pedestrian on snow-skis injured in collision with pedal cycle in nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with pedal cycle in nontraffic accident

V01.1 Pedestrian injured in collision with pedal cycle in traffic accident
  V01.10 Pedestrian on foot injured in collision with pedal cycle in traffic accident
  Pedestrian NOS injured in collision with pedal cycle in traffic accident
  V01.11 Pedestrian on roller-skates injured in collision with pedal cycle in traffic accident
  V01.12 Pedestrian on skateboard injured in collision with pedal cycle in traffic accident
  V01.19 Pedestrian with other conveyance injured in collision with pedal cycle in traffic accident
  Pedestrian with babystroller injured in collision with pedal cycle in traffic accident
  Pedestrian on ice-skates injured in collision with pedal cycle in traffic accident
  Pedestrian on sled injured in collision with pedal cycle in traffic accident
  Pedestrian on snowboard injured in collision with pedal cycle in traffic accident
  Pedestrian on snow-skis injured in collision with pedal cycle in traffic accident
  Pedestrian in wheelchair (powered) injured in collision with pedal cycle in traffic accident

V01.9 Pedestrian injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  V01.90 Pedestrian on foot injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  Pedestrian NOS injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  V01.91 Pedestrian on roller-skates injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  V01.92 Pedestrian on skateboard injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  V01.99 Pedestrian with other conveyance injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
  Pedestrian with babystroller injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
Pedestrian on ice-skates injured in collision with pedal cycle unspecified, whether traffic or nontraffic accident
Pedestrian on sled injured in collision with pedal cycle unspecified, whether traffic or nontraffic accident
Pedestrian on snowboard injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
Pedestrian on snow-skis injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with pedal cycle, unspecified whether traffic or nontraffic accident

V02 Pedestrian injured in collision with two- or three-wheeled motor vehicle

The appropriate 7th character is to be added to each code from category V02

A initial encounter
D subsequent encounter
S sequela

V02.0 Pedestrian injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

V02.00 Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian NOS injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

V02.01 Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

V02.02 Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

V02.09 Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

Pedestrian with babystroller injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian on ice-skates injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian on sled injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian on snowboard injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian on snow-skis injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with two- or three-wheeled motor vehicle in nontraffic accident

V02.1 Pedestrian injured in collision with two- or three-wheeled motor vehicle in traffic accident
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V02.10</td>
<td>Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian NOS injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td>V02.11</td>
<td>Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td>V02.12</td>
<td>Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td>V02.19</td>
<td>Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian with babystroller injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on ice-skates injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on sled injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on snowboard injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on snow-skis injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian in wheelchair (powered) injured in collision with two- or three-wheeled motor vehicle in traffic accident</td>
</tr>
<tr>
<td>V02.9</td>
<td>Pedestrian injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V02.90</td>
<td>Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian NOS injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V02.91</td>
<td>Pedestrian on roller-skates injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V02.92</td>
<td>Pedestrian on skateboard injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V02.99</td>
<td>Pedestrian with other conveyance injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian with babystroller injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident</td>
</tr>
</tbody>
</table>
Pedestrian on ice-skates injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on sled injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on snowboard injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on snow-skis injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with two- or three-wheeled motor vehicle, unspecified whether traffic or nontraffic accident

<table>
<thead>
<tr>
<th>V03</th>
<th>Pedestrian injured in collision with car, pick-up truck or van</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The appropriate 7th character is to be added to each code from category V03</td>
</tr>
</tbody>
</table>
|     | A  initial encounter  
|     | D  subsequent encounter  
|     | S  sequela |
| V03.0 Pedestrian injured in collision with car, pick-up truck or van in nontraffic accident |
| V03.00 Pedestrian on foot injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian NOS injured in collision with car, pick-up truck or van in nontraffic accident |
| V03.01 Pedestrian on roller-skates injured in collision with car, pick-up truck or van in nontraffic accident |
| V03.02 Pedestrian on skateboard injured in collision with car, pick-up truck or van in nontraffic accident |
| V03.09 Pedestrian with other conveyance injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian with babystroller injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian on ice-skates injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian on sled injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian on snowboard injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian on snow-skis injured in collision with car, pick-up truck or van in nontraffic accident |
|     | Pedestrian in wheelchair (powered) injured in collision with car, pick-up truck or van in nontraffic accident |
V03.1 Pedestrian injured in collision with car, pick-up truck or van in traffic accident
V03.10 Pedestrian on foot injured in collision with car, pick-up truck or van in traffic accident
Pedestrian NOS injured in collision with car, pick-up truck or van in traffic accident
V03.11 Pedestrian on roller-skates injured in collision with car, pick-up truck or van in traffic accident
V03.12 Pedestrian on skateboard injured in collision with car, pick-up truck or van in traffic accident
V03.19 Pedestrian with other conveyance injured in collision with car, pick-up truck or van in traffic accident
Pedestrian with babystroller injured in collision with car, pick-up truck or van in traffic accident
Pedestrian on ice-skates injured in collision with car, pick-up truck or van in traffic accident
Pedestrian on sled injured in collision with car, pick-up truck or van in traffic accident
Pedestrian on snowboard injured in collision with car, pick-up truck or van in traffic accident
Pedestrian on snow-skis injured in collision with car, pick-up truck or van in traffic accident
Pedestrian in wheelchair (powered) injured in collision with car, pick-up truck or van in traffic accident
V03.9 Pedestrian injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
V03.90 Pedestrian on foot injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian NOS injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
V03.91 Pedestrian on roller-skates injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
V03.92 Pedestrian on skateboard injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
V03.99 Pedestrian with other conveyance injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian with babystroller injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian on ice-skates injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian on sled injured in collision with car, pick-up truck or van in nontraffic accident
Pedestrian on snowboard injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian on snow-skis injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with car, pick-up truck or van, unspecified whether traffic or nontraffic accident

V04 Pedestrian injured in collision with heavy transport vehicle or bus
Excludes1: pedestrian injured in collision with military vehicle (V09.01, V09.21)
The appropriate 7th character is to be added to each code from category V04
   A initial encounter
   D subsequent encounter
   S sequela
V04.0 Pedestrian injured in collision with heavy transport vehicle or bus in nontraffic accident
   V04.00 Pedestrian on foot injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian NOS injured in collision with heavy transport vehicle or bus in nontraffic accident
   V04.01 Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in nontraffic accident
   V04.02 Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in nontraffic accident
   V04.09 Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian with babystroller injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian on ice-skates injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian on sled injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian on snowboard injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian on snow-skis injured in collision with heavy transport vehicle or bus in nontraffic accident
   Pedestrian in wheelchair (powered) injured in collision with heavy transport vehicle or bus in nontraffic accident
V04.1 Pedestrian injured in collision with heavy transport vehicle or bus in traffic accident
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V04.10</td>
<td>Pedestrian on foot injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian NOS injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td>V04.11</td>
<td>Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td>V04.12</td>
<td>Pedestrian on skateboard injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td>V04.19</td>
<td>Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian with babystroller injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on ice-skates injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on sled injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on snowboard injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on snow-skis injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian in wheelchair (powered) injured in collision with heavy transport vehicle or bus in traffic accident</td>
</tr>
<tr>
<td>V04.9</td>
<td>Pedestrian injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V04.90</td>
<td>Pedestrian on foot injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian NOS injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V04.91</td>
<td>Pedestrian on roller-skates injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V04.92</td>
<td>Pedestrian on skateboard injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td>V04.99</td>
<td>Pedestrian with other conveyance injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian with babystroller injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedestrian on ice-skates injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident</td>
</tr>
</tbody>
</table>
Pedestrian on sled injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident

Pedestrian on snowboard injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident

Pedestrian on snow-skis injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident

Pedestrian in wheelchair (powered) injured in collision with heavy transport vehicle or bus, unspecified whether traffic or nontraffic accident

V05 Pedestrian injured in collision with railway train or railway vehicle

The appropriate 7th character is to be added to each code from category V05

A initial encounter
D subsequent encounter
S sequela

V05.0 Pedestrian injured in collision with railway train or railway vehicle in nontraffic accident

V05.00 Pedestrian on foot injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian NOS injured in collision with railway train or railway vehicle in nontraffic accident

V05.01 Pedestrian on roller-skates injured in collision with railway train or railway vehicle in nontraffic accident

V05.02 Pedestrian on skateboard injured in collision with railway train or railway vehicle in nontraffic accident

V05.09 Pedestrian with other conveyance injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian with babystroller injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian on ice-skates injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian on sled injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian on snowboard injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian on snow-skis injured in collision with railway train or railway vehicle in nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with railway train or railway vehicle in nontraffic accident

V05.1 Pedestrian injured in collision with railway train or railway vehicle in traffic accident
V05.10 Pedestrian on foot injured in collision with railway train or railway vehicle in traffic accident
Pedestrian NOS injured in collision with railway train or railway vehicle in traffic accident

V05.11 Pedestrian on roller-skates injured in collision with railway train or railway vehicle in traffic accident

V05.12 Pedestrian on skateboard injured in collision with railway train or railway vehicle in traffic accident

V05.19 Pedestrian with other conveyance injured in collision with railway train or railway vehicle in traffic accident
Pedestrian with babystroller injured in collision with railway train or railway vehicle in traffic accident
Pedestrian on ice-skates injured in collision with railway train or railway vehicle in traffic accident
Pedestrian on sled injured in collision with railway train or railway vehicle in traffic accident
Pedestrian on snowboard injured in collision with railway train or railway vehicle in traffic accident
Pedestrian on snow-skis injured in collision with railway train or railway vehicle in traffic accident
Pedestrian in wheelchair (powered) injured in collision with railway train or railway vehicle in traffic accident

V05.9 Pedestrian injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident
V05.90 Pedestrian on foot injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident
Pedestrian NOS injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident

V05.91 Pedestrian on roller-skates injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident

V05.92 Pedestrian on skateboard injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident

V05.99 Pedestrian with other conveyance injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic accident
Pedestrian with babystroller injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic
Pedestrian on ice-skates injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic
Pedestrian on sled injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic
Pedestrian on snowboard injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic
Pedestrian on snow-skis injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic
Pedestrian in wheelchair (powered) injured in collision with railway train or railway vehicle, unspecified whether traffic or nontraffic

**V06 Pedestrian injured in collision with other nonmotor vehicle**

Includes: collision with animal-drawn vehicle, animal being ridden, nonpowered streetcar

Excludes: pedestrian injured in collision with pedestrian conveyance (V00.0-)

The appropriate 7th character is to be added to each code from category V06

- **A** initial encounter
- **D** subsequent encounter
- **S** sequela

**V06.0 Pedestrian injured in collision with other nonmotor vehicle in nontraffic accident**

**V06.00 Pedestrian on foot injured in collision with other nonmotor vehicle in nontraffic accident**

Pedestrian NOS injured in collision with other nonmotor vehicle in nontraffic accident

**V06.01 Pedestrian on roller-skates injured in collision with other nonmotor vehicle in nontraffic accident**

**V06.02 Pedestrian on skateboard injured in collision with other nonmotor vehicle in nontraffic accident**

**V06.09 Pedestrian with other conveyance injured in collision with other nonmotor vehicle in nontraffic accident**

Pedestrian with babystroller injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian on ice-skates injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian on sled injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian on snowboard injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian on snow-skis injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with other nonmotor vehicle in nontraffic accident

**V06.1 Pedestrian injured in collision with other nonmotor vehicle in traffic accident**
V06.10 Pedestrian on foot injured in collision with other nonmotor vehicle in traffic accident
Pedestrian NOS injured in collision with other nonmotor vehicle in traffic accident

V06.11 Pedestrian on roller-skates injured in collision with other nonmotor vehicle in traffic accident

V06.12 Pedestrian on skateboard injured in collision with other nonmotor vehicle in traffic accident

V06.19 Pedestrian with other conveyance injured in collision with other nonmotor vehicle in traffic accident
Pedestrian with babystroller injured in collision with other nonmotor vehicle in nontraffic accident
Pedestrian on ice-skates injured in collision with other nonmotor vehicle in traffic accident
Pedestrian on sled injured in collision with other nonmotor vehicle in traffic accident
Pedestrian on snowboard injured in collision with other nonmotor vehicle in traffic accident
Pedestrian on snow-skis injured in collision with other nonmotor vehicle in traffic accident
Pedestrian in wheelchair (powered) injured in collision with other nonmotor vehicle in traffic accident

V06.9 Pedestrian injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident

V06.90 Pedestrian on foot injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian NOS injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident

V06.91 Pedestrian on roller-skates injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident

V06.92 Pedestrian on skateboard injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident

V06.99 Pedestrian with other conveyance injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian with babystroller injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on ice-skates injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on sled injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on snowboard injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian on snow-skis injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident
Pedestrian in wheelchair (powered) injured in collision with other nonmotor vehicle, unspecified whether traffic or nontraffic accident

V09 Pedestrian injured in other and unspecified transport accidents
The appropriate 7th character is to be added to each code from category V09
A initial encounter
D subsequent encounter
S sequela

V09.0 Pedestrian injured in nontraffic accident involving other and unspecified motor vehicles
V09.00 Pedestrian injured in nontraffic accident involving unspecified motor vehicles
V09.01 Pedestrian injured in nontraffic accident involving military vehicle
V09.09 Pedestrian injured in nontraffic accident involving other motor vehicles
Pedestrian injured in nontraffic accident by special vehicle

V09.1 Pedestrian injured in unspecified nontraffic accident
V09.2 Pedestrian injured in traffic accident involving other and unspecified motor vehicles
V09.20 Pedestrian injured in traffic accident involving unspecified motor vehicles
V09.21 Pedestrian injured in traffic accident involving military vehicle
V09.29 Pedestrian injured in traffic accident involving other motor vehicles

V09.3 Pedestrian injured in unspecified traffic accident
V09.9 Pedestrian injured in unspecified transport accident

Pedal cycle rider injured in transport accident (V10-V19)
Includes: any non-motorized vehicle, excluding an animal-drawn vehicle, or a sidecar or trailer attached to the pedal cycle
Excludes2: rupture of pedal cycle tire (W37.0)
V10 Pedal cycle rider injured in collision with pedestrian or animal
Excludes1: pedal cycle rider collision with animal-drawn vehicle or animal being ridden (Vl6.-)
The appropriate 7th character is to be added to each code from category V10
  A initial encounter
  D subsequent encounter
  S sequela
V10.0 Pedal cycle driver injured in collision with pedestrian or animal in nontraffic accident
V10.1 Pedal cycle passenger injured in collision with pedestrian or animal in nontraffic accident
V10.2 Unspecified pedal cyclist injured in collision with pedestrian or animal in nontraffic accident
V10.3 Person boarding or alighting a pedal cycle injured in collision with pedestrian or animal
V10.4 Pedal cycle driver injured in collision with pedestrian or animal in traffic accident
V10.5 Pedal cycle passenger injured in collision with pedestrian or animal in traffic accident
V10.9 Unspecified pedal cyclist injured in collision with pedestrian or animal in traffic accident

V11 Pedal cycle rider injured in collision with other pedal cycle
The appropriate 7th character is to be added to each code from category V11
  A initial encounter
  D subsequent encounter
  S sequela
V11.0 Pedal cycle driver injured in collision with other pedal cycle in nontraffic accident
V11.1 Pedal cycle passenger injured in collision with other pedal cycle in nontraffic accident
V11.2 Unspecified pedal cyclist injured in collision with other pedal cycle in nontraffic accident
V11.3 Person boarding or alighting a pedal cycle injured in collision with other pedal cycle
V11.4 Pedal cycle driver injured in collision with other pedal cycle in traffic accident
V11.5 Pedal cycle passenger injured in collision with other pedal cycle in traffic accident
V11.9 Unspecified pedal cyclist injured in collision with other pedal cycle in traffic accident

V12 Pedal cycle rider injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V12
A initial encounter
D subsequent encounter
S sequela

V12.0 Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V12.1 Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V12.2 Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V12.3 Person boarding or alighting a pedal cycle injured in collision with two- or three-wheeled motor vehicle
V12.4 Pedal cycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident
V12.5 Pedal cycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident
V12.9 Unspecified pedal cyclist injured in collision with two- or three-wheeled motor vehicle in traffic accident

V13 Pedal cycle rider injured in collision with car, pick-up truck or van
The appropriate 7th character is to be added to each code from category V13
A initial encounter
D subsequent encounter
S sequela
V13.0 Pedal cycle driver injured in collision with car, pick-up truck or van in nontraffic accident
V13.1 Pedal cycle passenger injured in collision with car, pick-up truck or van in nontraffic accident
V13.2 Unspecified pedal cyclist injured in collision with car, pick-up truck or van in nontraffic accident
V13.3 Person boarding or alighting a pedal cycle injured in collision with car, pick-up truck or van
V13.4 Pedal cycle driver injured in collision with car, pick-up truck or van in traffic accident
V13.5 Pedal cycle passenger injured in collision with car, pick-up truck or van in traffic accident
V13.9 Unspecified pedal cyclist injured in collision with car, pick-up truck or van in traffic accident

V14 Pedal cycle rider injured in collision with heavy transport vehicle or bus
Excludes1: pedal cycle rider injured in collision with military vehicle (V19.81)
The appropriate 7th character is to be added to each code from category V14
A initial encounter
D subsequent encounter
S sequela
V14.0 Pedal cycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident
V14.1 Pedal cycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident
V14.2 Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in nontraffic accident
V14.3 Person boarding or alighting a pedal cycle injured in collision with heavy transport vehicle or bus
V14.4 Pedal cycle driver injured in collision with heavy transport vehicle or bus in traffic accident
V14.5 Pedal cycle passenger injured in collision with heavy transport vehicle or bus in traffic accident
V14.9 Unspecified pedal cyclist injured in collision with heavy transport vehicle or bus in traffic accident

V15 Pedal cycle rider injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V15
  A initial encounter
  D subsequent encounter
  S sequela
V15.0 Pedal cycle driver injured in collision with railway train or railway vehicle in nontraffic accident
V15.1 Pedal cycle passenger injured in collision with railway train or railway vehicle in nontraffic accident
V15.2 Unspecified pedal cyclist injured in collision with railway train or railway vehicle in nontraffic accident
V15.3 Person boarding or alighting a pedal cycle injured in collision with railway train or railway vehicle
V15.4 Pedal cycle driver injured in collision with railway train or railway vehicle in traffic accident
V15.5 Pedal cycle passenger injured in collision with railway train or railway vehicle in traffic accident
V15.9 Unspecified pedal cyclist injured in collision with railway train or railway vehicle in traffic accident

V16 Pedal cycle rider injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V16
  A initial encounter
  D subsequent encounter
  S sequela
V16.0 Pedal cycle driver injured in collision with other nonmotor vehicle in nontraffic accident
V16.1 Pedal cycle passenger injured in collision with other nonmotor vehicle in nontraffic accident
V16.2 Unspecified pedal cyclist injured in collision with other nonmotor vehicle in nontraffic accident
V16.3 Person boarding or alighting a pedal cycle injured in collision with other nonmotor vehicle in nontraffic accident
V16.4 Pedal cycle driver injured in collision with other nonmotor vehicle in nontraffic accident
V16.5 Pedal cycle passenger injured in collision with other nonmotor vehicle in traffic accident
V16.9 Unspecified pedal cyclist injured in collision with other nonmotor vehicle in traffic accident

V17  Pedal cycle rider injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V17
  A  initial encounter
  D  subsequent encounter
  S  sequela
V17.0 Pedal cycle driver injured in collision with fixed or stationary object in nontraffic accident
V17.1 Pedal cycle passenger injured in collision with fixed or stationary object in nontraffic accident
V17.2 Unspecified pedal cyclist injured in collision with fixed or stationary object in nontraffic accident
V17.3 Person boarding or alighting a pedal cycle injured in collision with fixed or stationary object
V17.4 Pedal cycle driver injured in collision with fixed or stationary object in traffic accident
V17.5 Pedal cycle passenger injured in collision with fixed or stationary object in traffic accident
V17.9 Unspecified pedal cyclist injured in collision with fixed or stationary object in traffic accident

V18  Pedal cycle rider injured in noncollision transport accident
Includes:  fall or thrown from pedal cycle (without antecedent collision)
  overturning pedal cycle NOS
  overturning pedal cycle without collision
The appropriate 7th character is to be added to each code from category V18
  A  initial encounter
  D  subsequent encounter
  S  sequela
V18.0 Pedal cycle driver injured in noncollision transport accident in nontraffic accident
V18.1 Pedal cycle passenger injured in noncollision transport accident in nontraffic accident
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V18.2</td>
<td>Unspecified pedal cyclist injured in noncollision transport accident in nontraffic accident</td>
</tr>
<tr>
<td>V18.3</td>
<td>Person boarding or alighting a pedal cycle injured in noncollision transport accident</td>
</tr>
<tr>
<td>V18.4</td>
<td>Pedal cycle driver injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V18.5</td>
<td>Pedal cycle passenger injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V18.9</td>
<td>Unspecified pedal cyclist injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V19</td>
<td>Pedal cycle rider injured in other and unspecified transport accidents</td>
</tr>
<tr>
<td></td>
<td>The appropriate 7th character is to be added to each code from category V19</td>
</tr>
<tr>
<td></td>
<td>A initial encounter</td>
</tr>
<tr>
<td></td>
<td>D subsequent encounter</td>
</tr>
<tr>
<td></td>
<td>S sequela</td>
</tr>
<tr>
<td>V19.0</td>
<td>Pedal cycle driver injured in collision with other and unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.00 Pedal cycle driver injured in collision with unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.09 Pedal cycle driver injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V19.1</td>
<td>Pedal cycle passenger injured in collision with other and unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.10 Pedal cycle passenger injured in collision with unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.19 Pedal cycle passenger injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V19.2</td>
<td>Unspecified pedal cyclist injured in collision with other and unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.20 Unspecified pedal cyclist injured in collision with unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedal cycle collision NOS, nontraffic</td>
</tr>
<tr>
<td></td>
<td>V19.29 Unspecified pedal cyclist injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V19.3</td>
<td>Pedal cyclist (driver) (passenger) injured in unspecified nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Pedal cycle accident NOS, nontraffic</td>
</tr>
<tr>
<td></td>
<td>Pedal cyclist injured in nontraffic accident NOS</td>
</tr>
<tr>
<td>V19.4</td>
<td>Pedal cycle driver injured in collision with other and unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.40 Pedal cycle driver injured in collision with unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td></td>
<td>V19.49 Pedal cycle driver injured in collision with other motor vehicles in traffic accident</td>
</tr>
</tbody>
</table>
V19.5 Pedal cycle passenger injured in collision with other and unspecified motor vehicles in traffic accident
  V19.50 Pedal cycle passenger injured in collision with unspecified motor vehicles in traffic accident
  V19.59 Pedal cycle passenger injured in collision with other motor vehicles in traffic accident
V19.6 Unspecified pedal cyclist injured in collision with other and unspecified motor vehicles in traffic accident
  V19.60 Unspecified pedal cyclist injured in collision with unspecified motor vehicles in traffic accident
    Pedal cycle collision NOS (traffic)
  V19.69 Unspecified pedal cyclist injured in collision with other motor vehicles in traffic accident
V19.8 Pedal cyclist (driver) (passenger) injured in other specified transport accidents
  V19.81 Pedal cyclist (driver) (passenger) injured in transport accident with military vehicle
  V19.88 Pedal cyclist (driver) (passenger) injured in other specified transport accidents
V19.9 Pedal cyclist (driver) (passenger) injured in unspecified traffic accident
    Pedal cycle accident NOS

**Motorcycle rider injured in transport accident (V20-V29)**

Includes:
  moped
  motorcycle with sidecar
  motorized bicycle
  motor scooter
Excludes1: three-wheeled motor vehicle (V30-V39)

V20  Motorcycle rider injured in collision with pedestrian or animal
Excludes1: motorcycle rider collision with animal-drawn vehicle or animal being ridden (V26.-)

The appropriate 7th character is to be added to each code from category V20
  A  initial encounter
  D  subsequent encounter
  S  sequela

V20.0 Motorcycle driver injured in collision with pedestrian or animal in nontraffic accident
V20.1 Motorcycle passenger injured in collision with pedestrian or animal in nontraffic accident
V20.2 Unspecified motorcycle rider injured in collision with pedestrian or animal in nontraffic accident
V20.3 Person boarding or alighting a motorcycle injured in collision with pedestrian or animal
V20.4 Motorcycle driver injured in collision with pedestrian or animal in traffic accident
V20.5 Motorcycle passenger injured in collision with pedestrian or animal in traffic accident
V20.9 Unspecified motorcycle rider injured in collision with pedestrian or animal in traffic accident

V21 Motorcycle rider injured in collision with pedal cycle
The appropriate 7th character is to be added to each code from category V21
   A initial encounter
   D subsequent encounter
   S sequela
V21.0 Motorcycle driver injured in collision with pedal cycle in nontraffic accident
V21.1 Motorcycle passenger injured in collision with pedal cycle in nontraffic accident
V21.2 Unspecified motorcycle rider injured in collision with pedal cycle in nontraffic accident
V21.3 Person boarding or alighting a motorcycle injured in collision with pedal cycle
V21.4 Motorcycle driver injured in collision with pedal cycle in traffic accident
V21.5 Motorcycle passenger injured in collision with pedal cycle in traffic accident
V21.9 Unspecified motorcycle rider injured in collision with pedal cycle in traffic accident

V22 Motorcycle rider injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V22
   A initial encounter
   D subsequent encounter
   S sequela
V22.0 Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V22.1 Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V22.2 Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V22.3 Person boarding or alighting a motorcycle injured in collision with two- or three-wheeled motor vehicle
V22.4 Motorcycle driver injured in collision with two- or three-wheeled motor vehicle in traffic accident
V22.5 Motorcycle passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident
V22.9 Unspecified motorcycle rider injured in collision with two- or three-wheeled motor vehicle in traffic accident

V23 Motorcycle rider injured in collision with car, pick-up truck or van

The appropriate 7th character is to be added to each code from category V23

- A initial encounter
- D subsequent encounter
- S sequela

V23.0 Motorcycle driver injured in collision with car, pick-up truck or van in nontraffic accident

V23.1 Motorcycle passenger injured in collision with car, pick-up truck or van in nontraffic accident

V23.2 Unspecified motorcycle rider injured in collision with car, pick-up truck or van in nontraffic accident

V23.3 Person boarding or alighting a motorcycle injured in collision with car, pick-up truck or van

V23.4 Motorcycle driver injured in collision with car, pick-up truck or van in traffic accident

V23.5 Motorcycle passenger injured in collision with car, pick-up truck or van in traffic accident

V23.9 Unspecified motorcycle rider injured in collision with car, pick-up truck or van in traffic accident

V24 Motorcycle rider injured in collision with heavy transport vehicle or bus

Excludes1: motorcycle rider injured in collision with military vehicle (V29.81)

The appropriate 7th character is to be added to each code from category V24

- A initial encounter
- D subsequent encounter
- S sequela

V24.0 Motorcycle driver injured in collision with heavy transport vehicle or bus in nontraffic accident

V24.1 Motorcycle passenger injured in collision with heavy transport vehicle or bus in nontraffic accident

V24.2 Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in nontraffic accident

V24.3 Person boarding or alighting a motorcycle injured in collision with heavy transport vehicle or bus

V24.4 Motorcycle driver injured in collision with heavy transport vehicle or bus in traffic accident

V24.5 Motorcycle passenger injured in collision with heavy transport vehicle or bus in traffic accident

V24.9 Unspecified motorcycle rider injured in collision with heavy transport vehicle or bus in traffic accident

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V25  Motorcycle rider injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V25
  A  initial encounter
  D  subsequent encounter
  S  sequela
V25.0 Motorcycle driver injured in collision with railway train or railway vehicle in nontraffic accident
V25.1 Motorcycle passenger injured in collision with railway train or railway vehicle in nontraffic accident
V25.2 Unspecified motorcycle rider injured in collision with railway train or railway vehicle in nontraffic accident
V25.3 Person boarding or alighting a motorcycle injured in collision with railway train or railway vehicle
V25.4 Motorcycle driver injured in collision with railway train or railway vehicle in traffic accident
V25.5 Motorcycle passenger injured in collision with railway train or railway vehicle in traffic accident
V25.9 Unspecified motorcycle rider injured in collision with railway train or railway vehicle in traffic accident

V26  Motorcycle rider injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V26
  A  initial encounter
  D  subsequent encounter
  S  sequela
V26.0 Motorcycle driver injured in collision with other nonmotor vehicle in nontraffic accident
V26.1 Motorcycle passenger injured in collision with other nonmotor vehicle in nontraffic accident
V26.2 Unspecified motorcycle rider injured in collision with other nonmotor vehicle in nontraffic accident
V26.3 Person boarding or alighting a motorcycle injured in collision with other nonmotor vehicle
V26.4 Motorcycle driver injured in collision with other nonmotor vehicle in traffic accident
V26.5 Motorcycle passenger injured in collision with other nonmotor vehicle in traffic accident
V26.9 Unspecified motorcycle rider injured in collision with other nonmotor vehicle in traffic accident

V27  Motorcycle rider injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V27
A initial encounter
D subsequent encounter
S sequela

V27.0 Motorcycle driver injured in collision with fixed or stationary object in nontraffic accident
V27.1 Motorcycle passenger injured in collision with fixed or stationary object in nontraffic accident
V27.2 Unspecified motorcycle rider injured in collision with fixed or stationary object in nontraffic accident
V27.3 Person boarding or alighting a motorcycle injured in collision with fixed or stationary object
V27.4 Motorcycle driver injured in collision with fixed or stationary object in traffic accident
V27.5 Motorcycle passenger injured in collision with fixed or stationary object in traffic accident
V27.9 Unspecified motorcycle rider injured in collision with fixed or stationary object in traffic accident

V28 Motorcycle rider injured in noncollision transport accident
Includes:
fall or thrown from motorcycle (without antecedent collision)
overturning motorcycle NOS
overturning motorcycle without collision
The appropriate 7th character is to be added to each code from category V28
A initial encounter
D subsequent encounter
S sequela

V28.0 Motorcycle driver injured in noncollision transport accident in nontraffic accident
V28.1 Motorcycle passenger injured in noncollision transport accident in nontraffic accident
V28.2 Unspecified motorcycle rider injured in noncollision transport accident in nontraffic accident
V28.3 Person boarding or alighting a motorcycle injured in noncollision transport accident
V28.4 Motorcycle driver injured in noncollision transport accident in traffic accident
V28.5 Motorcycle passenger injured in noncollision transport accident in traffic accident
V28.9 Unspecified motorcycle rider injured in noncollision transport accident in traffic accident

V29 Motorcycle rider injured in other and unspecified transport accidents
The appropriate 7th character is to be added to each code from category V29
A initial encounter
D subsequent encounter
S sequela
V29.0 Motorcycle driver injured in collision with other and unspecified motor vehicles in nontraffic accident
  V29.00 Motorcycle driver injured in collision with unspecified motor vehicles in nontraffic accident
  V29.09 Motorcycle driver injured in collision with other motor vehicles in nontraffic accident
V29.1 Motorcycle passenger injured in collision with other and unspecified motor vehicles in nontraffic accident
  V29.10 Motorcycle passenger injured in collision with unspecified motor vehicles in nontraffic accident
  V29.19 Motorcycle passenger injured in collision with other motor vehicles in nontraffic accident
V29.2 Unspecified motorcycle rider injured in collision with other and unspecified motor vehicles in nontraffic accident
  V29.20 Unspecified motorcycle rider injured in collision with unspecified motor vehicles in nontraffic accident
  V29.29 Unspecified motorcycle rider injured in collision with other motor vehicles in nontraffic accident
V29.3 Motorcycle rider (driver) (passenger) injured in unspecified nontraffic accident
  Motorcycle accident NOS, nontraffic
  Motorcycle rider injured in nontraffic accident NOS
V29.4 Motorcycle driver injured in collision with other and unspecified motor vehicles in traffic accident
  V29.40 Motorcycle driver injured in collision with unspecified motor vehicles in traffic accident
  V29.49 Motorcycle driver injured in collision with other motor vehicles in traffic accident
V29.5 Motorcycle passenger injured in collision with other and unspecified motor vehicles in traffic accident
  V29.50 Motorcycle passenger injured in collision with unspecified motor vehicles in traffic accident
  V29.59 Motorcycle passenger injured in collision with other motor vehicles in traffic accident
V29.6 Unspecified motorcycle rider injured in collision with other and unspecified motor vehicles in traffic accident
  V29.60 Unspecified motorcycle rider injured in collision with unspecified motor vehicles in traffic accident
  V29.69 Unspecified motorcycle rider injured in collision with other motor vehicles in traffic accident
V29.8 Motorcycle rider (driver) (passenger) injured in other specified transport accidents
  V29.81 Motorcycle rider (driver) (passenger) injured in transport accident with military vehicle
V29.88 Motorcycle rider (driver) (passenger) injured in other specified transport accidents
V29.9 Motorcycle rider (driver) (passenger) injured in unspecified traffic accident
Motorcycle accident NOS

Occupant of three-wheeled motor vehicle injured in transport accident (V30-V39)

Includes:  motorized tricycle
          motorized rickshaw
          three-wheeled motor car
Excludes: all-terrain vehicles (V86.-)
          motorcycle with sidecar (V20-V29)
          vehicle designed primarily for off-road use (V86.-)

V30  Occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal

Excludes: three-wheeled motor vehicle collision with animal-drawn vehicle or animal being ridden (V36.-)

The appropriate 7th character is to be added to each code from category V30
  A  initial encounter
  D  subsequent encounter
  S  sequela

V30.0 Driver of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident
V30.1 Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident
V30.2 Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident
V30.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in nontraffic accident
V30.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedestrian or animal
V30.5 Driver of three-wheeled motor vehicle involved in collision with pedestrian or animal in traffic accident
V30.6 Passenger in three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident
V30.7 Person on outside of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident
V30.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal in traffic accident

V31  Occupant of three-wheeled motor vehicle injured in collision with pedal cycle

The appropriate 7th character is to be added to each code from category V31
A initial encounter  
D subsequent encounter  
S sequela  

V31.0 Driver of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident  
V31.1 Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident  
V31.2 Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident  
V31.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in nontraffic accident  
V31.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with pedal cycle  
V31.5 Driver of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident  
V31.6 Passenger in three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident  
V31.7 Person on outside of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident  
V31.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with pedal cycle in traffic accident  

V32 Occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle  
The appropriate 7th character is to be added to each code from category V32  
A initial encounter  
D subsequent encounter  
S sequela  

V32.0 Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident  
V32.1 Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident  
V32.2 Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident  
V32.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident  
V32.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle  
V32.5 Driver of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident  
V32.6 Passenger in three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident
V32.7 Person on outside of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident
V32.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident

V33 Occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van
The appropriate 7th character is to be added to each code from category V33
    A initial encounter
    D subsequent encounter
    S sequela
V33.0 Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V33.1 Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V33.2 Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V33.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V33.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with car, pick-up truck or van
V33.5 Driver of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident
V33.6 Passenger in three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident
V33.7 Person on outside of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident
V33.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van in traffic accident

V34 Occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus
Excludes1: occupant of three-wheeled motor vehicle injured in collision with military vehicle (V39.81)
The appropriate 7th character is to be added to each code from category V34
    A initial encounter
    D subsequent encounter
    S sequela
V34.0 Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V34.1 Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V34.2 Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V34.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V34.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus
V34.5 Driver of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V34.6 Passenger in three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V34.7 Person on outside of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V34.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus in traffic accident

V35 Occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V35
   A  initial encounter
   D  subsequent encounter
   S  sequela
V35.0 Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V35.1 Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V35.2 Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V35.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V35.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with railway train or railway vehicle
V35.5 Driver of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident
V35.6 Passenger in three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident
V35.7 Person on outside of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident
V35.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle in traffic accident
V36  Occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V36
   A  initial encounter
   D  subsequent encounter
   S  sequela

V36.0 Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V36.1 Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V36.2 Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V36.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V36.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with other nonmotor vehicle
V36.5 Driver of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident
V36.6 Passenger in three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident
V36.7 Person on outside of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident
V36.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle in traffic accident

V37  Occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V37
   A  initial encounter
   D  subsequent encounter
   S  sequela

V37.0 Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident
V37.1 Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident
V37.2 Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident
V37.3 Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in nontraffic accident
V37.4 Person boarding or alighting a three-wheeled motor vehicle injured in collision with fixed or stationary object
V37.5 Driver of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident
V37.6 Passenger in three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident
V37.7 Person on outside of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident
V37.9 Unspecified occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object in traffic accident

V38 Occupant of three-wheeled motor vehicle injured in noncollision transport accident
Includes: fall or thrown from three-wheeled motor vehicle
overturning of three-wheeled motor vehicle NOS
overturning of three-wheeled motor vehicle without collision
The appropriate 7th character is to be added to each code from category V38
A initial encounter
D subsequent encounter
S sequela

V38.0 Driver of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident
V38.1 Passenger in three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident
V38.2 Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident
V38.3 Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in nontraffic accident
V38.4 Person boarding or alighting a three-wheeled motor vehicle injured in noncollision transport accident
V38.5 Driver of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident
V38.6 Passenger in three-wheeled motor vehicle injured in noncollision transport accident in traffic accident
V38.7 Person on outside of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident
V38.9 Unspecified occupant of three-wheeled motor vehicle injured in noncollision transport accident in traffic accident

V39 Occupant of three-wheeled motor vehicle injured in other and unspecified transport accidents
The appropriate 7th character is to be added to each code from category V39
A initial encounter
D subsequent encounter
S sequela

V39.0 Driver of three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident
V39.00 Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V39.09</td>
<td>Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.1</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.10</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.19</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.2</td>
<td>Unspecified occupant of three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.20</td>
<td>Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Collision NOS involving three-wheeled motor vehicle, nontraffic</td>
</tr>
<tr>
<td>V39.29</td>
<td>Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in nontraffic accident</td>
</tr>
<tr>
<td>V39.3</td>
<td>Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified nontraffic accident</td>
</tr>
<tr>
<td></td>
<td>Accident NOS involving three-wheeled motor vehicle, nontraffic</td>
</tr>
<tr>
<td></td>
<td>Occupant of three-wheeled motor vehicle injured in nontraffic accident NOS</td>
</tr>
<tr>
<td>V39.4</td>
<td>Driver of three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.40</td>
<td>Driver of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.49</td>
<td>Driver of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.5</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.50</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.59</td>
<td>Passenger in three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident</td>
</tr>
<tr>
<td>V39.6</td>
<td>Unspecified occupant of three-wheeled motor vehicle injured in collision with other and unspecified motor vehicles in traffic accident</td>
</tr>
</tbody>
</table>
V39.60 Unspecified occupant of three-wheeled motor vehicle injured in collision with unspecified motor vehicles in traffic accident
  Collision NOS involving three-wheeled motor vehicle (traffic)
V39.69 Unspecified occupant of three-wheeled motor vehicle injured in collision with other motor vehicles in traffic accident
V39.8 Occupant (driver) (passenger) of three-wheeled motor vehicle injured in other specified transport accidents
V39.81 Occupant (driver) (passenger) of three-wheeled motor vehicle injured in transport accident with military vehicle
V39.89 Occupant (driver) (passenger) of three-wheeled motor vehicle injured in other specified transport accidents
V39.9 Occupant (driver) (passenger) of three-wheeled motor vehicle injured in unspecified traffic accident
  Accident NOS involving three-wheeled motor vehicle

Car occupant injured in transport accident (V40-V49)

Includes: a four-wheeled motor vehicle designed primarily for carrying passengers
  automobile (pulling a trailer or camper)
Excludes1: bus (V50-V59)
  minibus (V50-V59)
  minivan (V50-V59)
  motorcoach (V70-V79)
  pick-up truck (V50-V59)
  sport utility vehicle (SUV) (V50-V59)

V40 Car occupant injured in collision with pedestrian or animal
Excludes1: car collision with animal-drawn vehicle or animal being ridden (V46.-)
The appropriate 7th character is to be added to each code from category V40
  A initial encounter
  D subsequent encounter
  S sequela
V40.0 Car driver injured in collision with pedestrian or animal in nontraffic accident
V40.1 Car passenger injured in collision with pedestrian or animal in nontraffic accident
V40.2 Person on outside of car injured in collision with pedestrian or animal in nontraffic accident
V40.3 Unspecified car occupant injured in collision with pedestrian or animal in nontraffic accident
V40.4 Person boarding or alighting a car injured in collision with pedestrian or animal
V40.5 Car driver injured in collision with pedestrian or animal in traffic accident
V40.6 Car passenger injured in collision with pedestrian or animal in traffic accident
V40.7 Person on outside of car injured in collision with pedestrian or animal in traffic accident
V40.9 Unspecified car occupant injured in collision with pedestrian or animal in traffic accident

V41 Car occupant injured in collision with pedal cycle
The appropriate 7th character is to be added to each code from category V41
   A initial encounter
   D subsequent encounter
   S sequela
V41.0 Car driver injured in collision with pedal cycle in nontraffic accident
V41.1 Car passenger injured in collision with pedal cycle in nontraffic accident
V41.2 Person on outside of car injured in collision with pedal cycle in nontraffic accident
V41.3 Unspecified car occupant injured in collision with pedal cycle in nontraffic accident
V41.4 Person boarding or alighting a car injured in collision with pedal cycle
V41.5 Car driver injured in collision with pedal cycle in traffic accident
V41.6 Car passenger injured in collision with pedal cycle in traffic accident
V41.7 Person on outside of car injured in collision with pedal cycle in traffic accident
V41.9 Unspecified car occupant injured in collision with pedal cycle in traffic accident

V42 Car occupant injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V42
   A initial encounter
   D subsequent encounter
   S sequela
V42.0 Car driver injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V42.1 Car passenger injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V42.2 Person on outside of car injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V42.3 Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V42.4 Person boarding or alighting a car injured in collision with two- or three-wheeled motor vehicle
V42.5 Car driver injured in collision with two- or three-wheeled motor vehicle in traffic accident
V42.6 Car passenger injured in collision with two- or three-wheeled motor vehicle in traffic accident
V42.7 Person on outside of car injured in collision with two- or three-wheeled motor vehicle in traffic accident
V42.9 Unspecified car occupant injured in collision with two- or three-wheeled motor vehicle in traffic accident

V43 Car occupant injured in collision with car, pick-up truck or van

The appropriate 7th character is to be added to each code from category V43

A initial encounter
D subsequent encounter
S sequela

V43.0 Car driver injured in collision with car, pick-up truck or van in nontraffic accident
V43.01 Car driver injured in collision with sport utility vehicle in nontraffic accident
V43.02 Car driver injured in collision with other type car in nontraffic accident
V43.03 Car driver injured in collision with pick-up truck in nontraffic accident
V43.04 Car driver injured in collision with van in nontraffic accident

V43.1 Car passenger injured in collision with car, pick-up truck or van in nontraffic accident
V43.11 Car passenger injured in collision with sport utility vehicle in nontraffic accident
V43.12 Car passenger injured in collision with other type car in nontraffic accident
V43.13 Car passenger injured in collision with pick-up in nontraffic accident
V43.14 Car passenger injured in collision with van in nontraffic accident

V43.2 Person on outside of car injured in collision with car, pick-up truck or van in nontraffic accident
V43.21 Person on outside of car injured in collision with sport utility vehicle in nontraffic accident
V43.22 Person on outside of car injured in collision with other type car in nontraffic accident
V43.23 Person on outside of car injured in collision with pick-up truck in nontraffic accident
V43.24 Person on outside of car injured in collision with van in nontraffic accident
V43.3 Unspecified car occupant injured in collision with car, pick-up truck or van in nontraffic accident
V43.31 Unspecified car occupant injured in collision with sport utility vehicle in nontraffic accident
V43.32 Unspecified car occupant injured in collision with other type car in nontraffic accident
V43.33 Unspecified car occupant injured in collision with pick-up truck in nontraffic accident
V43.34 Unspecified car occupant injured in collision with van in nontraffic accident
V43.4 Person boarding or alighting a car injured in collision with car, pick-up truck or van
V43.41 Person boarding or alighting a car injured in collision with sport utility vehicle
V43.42 Person boarding or alighting a car injured in collision with other type car
V43.43 Person boarding or alighting a car injured in collision with pick-up truck
V43.44 Person boarding or alighting a car injured in collision with van
V43.5 Car driver injured in collision with car, pick-up truck or van in traffic accident
V43.51 Car driver injured in collision with sport utility vehicle in traffic accident
V43.52 Car driver injured in collision with other type car in traffic accident
V43.53 Car driver injured in collision with pick-up truck in traffic accident
V43.54 Car driver injured in collision with van in traffic accident
V43.6 Car passenger injured in collision with car, pick-up truck or van in traffic accident
V43.61 Car passenger injured in collision with sport utility vehicle in traffic accident
V43.62 Car passenger injured in collision with other type car in traffic accident
V43.63 Car passenger injured in collision with pick-up truck in traffic accident
V43.64 Car passenger injured in collision with van in traffic accident
V43.7 Person on outside of car injured in collision with car, pick-up truck or van in traffic accident
V43.71 Person on outside of car injured in collision with sport utility vehicle in traffic accident
V43.72 Person on outside of car injured in collision with other type car in traffic accident
V43.73 Person on outside of car injured in collision with pick-up truck in traffic accident
V43.74 Person on outside of car injured in collision with van in traffic accident
V43.9 Unspecified car occupant injured in collision with car, pick-up truck or van in traffic accident
V43.91 Unspecified car occupant injured in collision with sport utility vehicle in traffic accident
V43.92 Unspecified car occupant injured in collision with other type car in traffic accident
V43.93 Unspecified car occupant injured in collision with pick-up truck in traffic accident
V43.94 Unspecified car occupant injured in collision with van in traffic accident

V44 Car occupant injured in collision with heavy transport vehicle or bus
Excludes1: car occupant injured in collision with military vehicle (V49.81)
The appropriate 7th character is to be added to each code from category V44
  A initial encounter
  D subsequent encounter
  S sequela

V44.0 Car driver injured in collision with heavy transport vehicle or bus in nontraffic accident
V44.1 Car passenger injured in collision with heavy transport vehicle or bus in nontraffic accident
V44.2 Person on outside of car injured in collision with heavy transport vehicle or bus in nontraffic accident
V44.3 Unspecified car occupant injured in collision with heavy transport vehicle or bus in nontraffic accident
V44.4 Person boarding or alighting a car injured in collision with heavy transport vehicle or bus
V44.5 Car driver injured in collision with heavy transport vehicle or bus in traffic accident
V44.6 Car passenger injured in collision with heavy transport vehicle or bus in traffic accident
V44.7 Person on outside of car injured in collision with heavy transport vehicle or bus in traffic accident
V44.9 Unspecified car occupant injured in collision with heavy transport vehicle or bus in traffic accident

V45 Car occupant injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V45
A initial encounter
D subsequent encounter
S sequela

V45.0 Car driver injured in collision with railway train or railway vehicle in nontraffic accident
V45.1 Car passenger injured in collision with railway train or railway vehicle in nontraffic accident
V45.2 Person on outside of car injured in collision with railway train or railway vehicle in nontraffic accident
V45.3 Unspecified car occupant injured in collision with railway train or railway vehicle in nontraffic accident
V45.4 Person boarding or alighting a car injured in collision with railway train or railway vehicle
V45.5 Car driver injured in collision with railway train or railway vehicle in traffic accident
V45.6 Car passenger injured in collision with railway train or railway vehicle in traffic accident
V45.7 Person on outside of car injured in collision with railway train or railway vehicle in traffic accident
V45.9 Unspecified car occupant injured in collision with railway train or railway vehicle in traffic accident

V46 Car occupant injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V46
A initial encounter
D subsequent encounter
S sequela

V46.0 Car driver injured in collision with other nonmotor vehicle in nontraffic accident
V46.1 Car passenger injured in collision with other nonmotor vehicle in nontraffic accident
V46.2 Person on outside of car injured in collision with other nonmotor vehicle in nontraffic accident
V46.3 Unspecified car occupant injured in collision with other nonmotor vehicle in nontraffic accident
V46.4 Person boarding or alighting a car injured in collision with other nonmotor vehicle
V46.5 Car driver injured in collision with other nonmotor vehicle in traffic accident
V46.6 Car passenger injured in collision with other nonmotor vehicle in traffic accident
V46.7 Person on outside of car injured in collision with other nonmotor vehicle in traffic accident
V46.9 Unspecified car occupant injured in collision with other nonmotor vehicle in traffic accident

V47 Car occupant injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V47
  A initial encounter
  D subsequent encounter
  S sequela

V47.0 Car driver injured in collision with fixed or stationary object in nontraffic accident
  V47.01 Driver of sport utility vehicle injured in collision with fixed or stationary object in nontraffic accident
  V47.02 Driver of other type car injured in collision with fixed or stationary object in nontraffic accident

V47.1 Car passenger injured in collision with fixed or stationary object in nontraffic accident
  V47.11 Passenger of sport utility vehicle injured in collision with fixed or stationary object in nontraffic accident
  V47.12 Passenger of other type car injured in collision with fixed or stationary object in nontraffic accident

V47.2 Person on outside of car injured in collision with fixed or stationary object in nontraffic accident

V47.3 Unspecified car occupant injured in collision with fixed or stationary object in nontraffic accident
  V47.31 Unspecified occupant of sport utility vehicle injured in collision with fixed or stationary object in nontraffic accident
  V47.32 Unspecified occupant of other type car injured in collision with fixed or stationary object in nontraffic accident

V47.4 Person boarding or alighting a car injured in collision with fixed or stationary object

V47.5 Car driver injured in collision with fixed or stationary object in traffic accident
  V47.51 Driver of sport utility vehicle injured in collision with fixed or stationary object in traffic accident
  V47.52 Driver of other type car injured in collision with fixed or stationary object in traffic accident

V47.6 Car passenger injured in collision with fixed or stationary object in traffic accident
  V47.61 Passenger of sport utility vehicle injured in collision with fixed or stationary object in traffic accident
  V47.62 Passenger of other type car injured in collision with fixed or stationary object in traffic accident
V47.7 Person on outside of car injured in collision with fixed or stationary object in traffic accident
V47.9 Unspecified car occupant injured in collision with fixed or stationary object in traffic accident
  V47.91 Unspecified occupant of sport utility vehicle injured in collision with fixed or stationary object in traffic accident
  V47.92 Unspecified occupant of other type car injured in collision with fixed or stationary object in traffic accident

V47 Unspecified car occupant injured in collision with fixed or stationary object in traffic accident

V48 Car occupant injured in noncollision transport accident
  Includes: overturning car NOS
  overturning car without collision
  The appropriate 7th character is to be added to each code from category V48
  A initial encounter
  D subsequent encounter
  S sequela

V48.0 Car driver injured in noncollision transport accident in nontraffic accident
V48.1 Car passenger injured in noncollision transport accident in nontraffic accident
V48.2 Person on outside of car injured in noncollision transport accident in nontraffic accident
V48.3 Unspecified car occupant injured in noncollision transport accident in nontraffic accident
V48.4 Person boarding or alighting a car injured in noncollision transport accident
V48.5 Car driver injured in noncollision transport accident in traffic accident
V48.6 Car passenger injured in noncollision transport accident in traffic accident
V48.7 Person on outside of car injured in noncollision transport accident in traffic accident
V48.9 Unspecified car occupant injured in noncollision transport accident in traffic accident

V49 Car occupant injured in other and unspecified transport accidents
  The appropriate 7th character is to be added to each code from category V49
  A initial encounter
  D subsequent encounter
  S sequela

V49.0 Driver injured in collision with other and unspecified motor vehicles in nontraffic accident
  V49.00 Driver injured in collision with unspecified motor vehicles in nontraffic accident
V49.09 Driver injured in collision with other motor vehicles in nontraffic accident
V49.1 Passenger injured in collision with other and unspecified motor vehicles in nontraffic accident
V49.10 Passenger injured in collision with unspecified motor vehicles in nontraffic accident
V49.19 Passenger injured in collision with other motor vehicles in nontraffic accident
V49.2 Unspecified car occupant injured in collision with other and unspecified motor vehicles in nontraffic accident
V49.20 Unspecified car occupant injured in collision with unspecified motor vehicles in nontraffic accident  
Car collision NOS, nontraffic
V49.29 Unspecified car occupant injured in collision with other motor vehicles in nontraffic accident
V49.3 Car occupant (driver) (passenger) injured in unspecified nontraffic accident  
Car accident NOS, nontraffic  
Car occupant injured in nontraffic accident NOS
V49.4 Driver injured in collision with other and unspecified motor vehicles in traffic accident
V49.40 Driver injured in collision with unspecified motor vehicles in traffic accident
V49.49 Driver injured in collision with other motor vehicles in traffic accident
V49.5 Passenger injured in collision with other and unspecified motor vehicles in traffic accident
V49.50 Passenger injured in collision with unspecified motor vehicles in traffic accident
V49.59 Passenger injured in collision with other motor vehicles in traffic accident
V49.6 Unspecified car occupant injured in collision with other and unspecified motor vehicles in traffic accident
V49.60 Unspecified car occupant injured in collision with unspecified motor vehicles in traffic accident  
Car collision NOS (traffic)
V49.69 Unspecified car occupant injured in collision with other motor vehicles in traffic accident
V49.8 Car occupant (driver) (passenger) injured in other specified transport accidents
V49.81 Car occupant (driver) (passenger) injured in transport accident with military vehicle
V49.88 Car occupant (driver) (passenger) injured in other specified transport accidents
V49.9 Car occupant (driver) (passenger) injured in unspecified traffic accident
Car accident NOS

**Occupant of pick-up truck or van injured in transport accident (V50-V59)**

Includes: a four or six wheel motor vehicle designed primarily for carrying passengers and property but weighing less than the local limit for classification as a heavy goods vehicle
- minibus
- minivan
- sport utility vehicle (SUV)
- truck
- van

Excludes1: heavy transport vehicle (V60-V69)

**V50 Occupant of pick-up truck or van injured in collision with pedestrian or animal**

Excludes1: pick-up truck or van collision with animal-drawn vehicle or animal being ridden (V56.-)

The appropriate 7th character is to be added to each code from category V50
- A  initial encounter
- D  subsequent encounter
- S  sequela

**V50.0 Driver of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident**

**V50.1 Passenger in pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident**

**V50.2 Person on outside of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident**

**V50.3 Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in nontraffic accident**

**V50.4 Person boarding or alighting a pick-up truck or van injured in collision with pedestrian or animal**

**V50.5 Driver of pick-up truck or van injured in collision with pedestrian or animal in traffic accident**

**V50.6 Passenger in pick-up truck or van injured in collision with pedestrian or animal in traffic accident**

**V50.7 Person on outside of pick-up truck or van injured in collision with pedestrian or animal in traffic accident**

**V50.9 Unspecified occupant of pick-up truck or van injured in collision with pedestrian or animal in traffic accident**

**V51 Occupant of pick-up truck or van injured in collision with pedal cycle**

The appropriate 7th character is to be added to each code from category V51
- A  initial encounter
D subsequent encounter
S sequela

V51.0 Driver of pick-up truck or van injured in collision with pedal cycle in nontraffic accident
V51.1 Passenger in pick-up truck or van injured in collision with pedal cycle in nontraffic accident
V51.2 Person on outside of pick-up truck or van injured in collision with pedal cycle in nontraffic accident
V51.3 Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in nontraffic accident
V51.4 Person boarding or alighting a pick-up truck or van injured in collision with pedal cycle
V51.5 Driver of pick-up truck or van injured in collision with pedal cycle in traffic accident
V51.6 Passenger in pick-up truck or van injured in collision with pedal cycle in traffic accident
V51.7 Person on outside of pick-up truck or van injured in collision with pedal cycle in traffic accident
V51.9 Unspecified occupant of pick-up truck or van injured in collision with pedal cycle in traffic accident

V52 Occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V52
A initial encounter
D subsequent encounter
S sequela

V52.0 Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V52.1 Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V52.2 Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V52.3 Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V52.4 Person boarding or alighting a pick-up truck or van injured in collision with two- or three-wheeled motor vehicle
V52.5 Driver of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident
V52.6 Passenger in pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident
V52.7 Person on outside of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident
V52.9 Unspecified occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle in traffic accident

V53 Occupant of pick-up truck or van injured in collision with car, pick-up truck or van
The appropriate 7th character is to be added to each code from category V53
   A initial encounter
   D subsequent encounter
   S sequela

V53.0 Driver of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident
V53.1 Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident
V53.2 Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident
V53.3 Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in nontraffic accident
V53.4 Person boarding or alighting a pick-up truck or van injured in collision with car, pick-up truck or van
V53.5 Driver of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident
V53.6 Passenger in pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident
V53.7 Person on outside of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident
V53.9 Unspecified occupant of pick-up truck or van injured in collision with car, pick-up truck or van in traffic accident

V54 Occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus
Excludes1: occupant of pick-up truck or van injured in collision with military vehicle (V59.81)
The appropriate 7th character is to be added to each code from category V54
   A initial encounter
   D subsequent encounter
   S sequela

V54.0 Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident
V54.1 Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident
V54.2 Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident
V54.3 Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in nontraffic accident
V54.4 Person boarding or alighting a pick-up truck or van injured in collision with heavy transport vehicle or bus
V54.5 Driver of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident
V54.6 Passenger in pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident
V54.7 Person on outside of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident
V54.9 Unspecified occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus in traffic accident

V55 Occupant of pick-up truck or van injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V55
   A initial encounter
   D subsequent encounter
   S sequela

V55.0 Driver of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident
V55.1 Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident
V55.2 Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident
V55.3 Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in nontraffic accident
V55.4 Person boarding or alighting a pick-up truck or van injured in collision with railway train or railway vehicle
V55.5 Driver of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident
V55.6 Passenger in pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident
V55.7 Person on outside of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident
V55.9 Unspecified occupant of pick-up truck or van injured in collision with railway train or railway vehicle in traffic accident

V56 Occupant of pick-up truck or van injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V56
   A initial encounter
   D subsequent encounter
   S sequela

V56.0 Driver of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident
V56.1 Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident
V56.2 Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident
V56.3 Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in nontraffic accident
V56.4 Person boarding or alighting a pick-up truck or van injured in collision with other nonmotor vehicle
V56.5 Driver of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident
V56.6 Passenger in pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident
V56.7 Person on outside of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident
V56.9 Unspecified occupant of pick-up truck or van injured in collision with other nonmotor vehicle in traffic accident

V57 Occupant of pick-up truck or van injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V57
   A  initial encounter
   D  subsequent encounter
   S  sequela
V57.0 Driver of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident
V57.1 Passenger in pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident
V57.2 Person on outside of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident
V57.3 Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in nontraffic accident
V57.4 Person boarding or alighting a pick-up truck or van injured in collision with fixed or stationary object
V57.5 Driver of pick-up truck or van injured in collision with fixed or stationary object in traffic accident
V57.6 Passenger in pick-up truck or van injured in collision with fixed or stationary object in traffic accident
V57.7 Person on outside of pick-up truck or van injured in collision with fixed or stationary object in traffic accident
V57.9 Unspecified occupant of pick-up truck or van injured in collision with fixed or stationary object in traffic accident

V58 Occupant of pick-up truck or van injured in noncollision transport accident
Includes:  overturning pick-up truck or van NOS
          overturning pick-up truck or van without collision
The appropriate 7th character is to be added to each code from category V58

A initial encounter  
D subsequent encounter  
S sequela

V58.0 Driver of pick-up truck or van injured in noncollision transport accident in nontraffic accident
V58.1 Passenger in pick-up truck or van injured in noncollision transport accident in nontraffic accident
V58.2 Person on outside of pick-up truck or van injured in noncollision transport accident in nontraffic accident
V58.3 Unspecified occupant of pick-up truck or van injured in noncollision transport accident in nontraffic accident
V58.4 Person boarding or alighting a pick-up truck or van injured in noncollision transport accident
V58.5 Driver of pick-up truck or van injured in noncollision transport accident in traffic accident
V58.6 Passenger in pick-up truck or van injured in noncollision transport accident in traffic accident
V58.7 Person on outside of pick-up truck or van injured in noncollision transport accident in traffic accident
V58.9 Unspecified occupant of pick-up truck or van injured in noncollision transport accident in traffic accident

V59 Occupant of pick-up truck or van injured in other and unspecified transport accidents

The appropriate 7th character is to be added to each code from category V59

A initial encounter  
D subsequent encounter  
S sequela

V59.0 Driver of pick-up truck or van injured in collision with other and unspecified motor vehicles in nontraffic accident
V59.00 Driver of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident
V59.09 Driver of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident
V59.1 Passenger in pick-up truck or van injured in collision with other and unspecified motor vehicles in nontraffic accident
V59.10 Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident
V59.11 Passenger in pick-up truck or van injured in collision with other motor vehicles in nontraffic accident
V59.2 Unspecified occupant of pick-up truck or van injured in collision with other and unspecified motor vehicles in nontraffic accident
V59.20  Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in nontraffic accident
Collision NOS involving pick-up truck or van, nontraffic

V59.21  Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in nontraffic accident

V59.3  Occupant (driver) (passenger) of pick-up truck or van injured in unspecified nontraffic accident
Accident NOS involving pick-up truck or van, nontraffic
Occupant of pick-up truck or van injured in nontraffic accident NOS

V59.4  Driver of pick-up truck or van injured in collision with other and unspecified motor vehicles in traffic accident

V59.40  Driver of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident

V59.49  Driver of pick-up truck or van injured in collision with other motor vehicles in traffic accident

V59.5  Passenger in pick-up truck or van injured in collision with other and unspecified motor vehicles in traffic accident

V59.50  Passenger in pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident

V59.59  Passenger in pick-up truck or van injured in collision with other motor vehicles in traffic accident

V59.6  Unspecified occupant of pick-up truck or van injured in collision with other and unspecified motor vehicles in traffic accident

V59.60  Unspecified occupant of pick-up truck or van injured in collision with unspecified motor vehicles in traffic accident
Collision NOS involving pick-up truck or van (traffic)

V59.69  Unspecified occupant of pick-up truck or van injured in collision with other motor vehicles in traffic accident

V59.8  Occupant (driver) (passenger) of pick-up truck or van injured in other specified transport accidents

V59.81  Occupant (driver) (passenger) of pick-up truck or van injured in transport accident with military vehicle

V59.88  Occupant (driver) (passenger) of pick-up truck or van injured in other specified transport accidents

V59.9  Occupant (driver) (passenger) of pick-up truck or van injured in unspecified traffic accident
Accident NOS involving pick-up truck or van

**Occupant of heavy transport vehicle injured in transport accident (V60-V69)**

Includes:  armored car
panel truck
18 wheeler
Excludes1: bus
motorcoach

V60  Occupant of heavy transport vehicle injured in collision with pedestrian or animal

Excludes1: heavy transport vehicle collision with animal-drawn vehicle or animal being ridden (V66.-)

The appropriate 7th character is to be added to each code from category V60

A  initial encounter
D  subsequent encounter
S  sequela

V60.0 Driver of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident
V60.1 Passenger in heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident
V60.2 Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident
V60.3 Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in nontraffic accident
V60.4 Person boarding or alighting a heavy transport vehicle injured in collision with pedestrian or animal
V60.5 Driver of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident
V60.6 Passenger in heavy transport vehicle injured in collision with pedestrian or animal in traffic accident
V60.7 Person on outside of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident
V60.9 Unspecified occupant of heavy transport vehicle injured in collision with pedestrian or animal in traffic accident

V61  Occupant of heavy transport vehicle injured in collision with pedal cycle

The appropriate 7th character is to be added to each code from category V61

A  initial encounter
D  subsequent encounter
S  sequela

V61.0 Driver of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident
V61.1 Passenger in heavy transport vehicle injured in collision with pedal cycle in nontraffic accident
V61.2 Person on outside of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident
V61.3 Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in nontraffic accident
V61.4 Person boarding or alighting a heavy transport vehicle injured in collision with pedal cycle while boarding or alighting
V61.5 Driver of heavy transport vehicle injured in collision with pedal cycle in traffic accident
V61.6 Passenger in heavy transport vehicle injured in collision with pedal cycle in traffic accident
V61.7 Person on outside of heavy transport vehicle injured in collision with pedal cycle in traffic accident
V61.9 Unspecified occupant of heavy transport vehicle injured in collision with pedal cycle in traffic accident

V62 Occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V62
   A initial encounter
   D subsequent encounter
   S sequela

V62.0 Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V62.1 Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V62.2 Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V62.3 Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V62.4 Person boarding or alighting a heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle
V62.5 Driver of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident
V62.6 Passenger in heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident
V62.7 Person on outside of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident
V62.9 Unspecified occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle in traffic accident

V63 Occupant of heavy transport vehicle injured in collision with car, pick-up truck or van
The appropriate 7th character is to be added to each code from category V63
   A initial encounter
   D subsequent encounter
   S sequela
V63.0 Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V63.1 Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V63.2 Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V63.3 Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in nontraffic accident
V63.4 Person boarding or alighting a heavy transport vehicle injured in collision with car, pick-up truck or van
V63.5 Driver of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident
V63.6 Passenger in heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident
V63.7 Person on outside of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident
V63.9 Unspecified occupant of heavy transport vehicle injured in collision with car, pick-up truck or van in traffic accident

V64 Occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus
Excludes: occupant of heavy transport vehicle injured in collision with military vehicle (V69.81)
The appropriate 7th character is to be added to each code from category V64
   A  initial encounter
   D  subsequent encounter
   S  sequela
V64.0 Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V64.1 Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V64.2 Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V64.3 Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in nontraffic accident
V64.4 Person boarding or alighting a heavy transport vehicle injured in collision with heavy transport vehicle or bus while boarding or alighting
V64.5 Driver of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V64.6 Passenger in heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V64.7 Person on outside of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident
V64.9 Unspecified occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus in traffic accident

V65 Occupant of heavy transport vehicle injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V65
   A  initial encounter
   D  subsequent encounter
   S  sequela

V65.0 Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V65.1 Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V65.2 Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V65.3 Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in nontraffic accident
V65.4 Person boarding or alighting a heavy transport vehicle injured in collision with railway train or railway vehicle
V65.5 Driver of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident
V65.6 Passenger in heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident
V65.7 Person on outside of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident
V65.9 Unspecified occupant of heavy transport vehicle injured in collision with railway train or railway vehicle in traffic accident

V66 Occupant of heavy transport vehicle injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V66
   A  initial encounter
   D  subsequent encounter
   S  sequela

V66.0 Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V66.1 Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V66.2 Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V66.3 Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in nontraffic accident
V66.4 Person boarding or alighting a heavy transport vehicle injured in collision with other nonmotor vehicle
V66.5 Driver of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident
V66.6 Passenger in heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident
V66.7 Person on outside of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident
V66.9 Unspecified occupant of heavy transport vehicle injured in collision with other nonmotor vehicle in traffic accident

V67 Occupant of heavy transport vehicle injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V67
A initial encounter
D subsequent encounter
S sequela
V67.0 Driver of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident
V67.1 Passenger in heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident
V67.2 Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident
V67.3 Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in nontraffic accident
V67.4 Person boarding or alighting a heavy transport vehicle injured in collision with fixed or stationary object
V67.5 Driver of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident
V67.6 Passenger in heavy transport vehicle injured in collision with fixed or stationary object in traffic accident
V67.7 Person on outside of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident
V67.9 Unspecified occupant of heavy transport vehicle injured in collision with fixed or stationary object in traffic accident

V68 Occupant of heavy transport vehicle injured in noncollision transport accident
Includes: overturning heavy transport vehicle NOS
overturning heavy transport vehicle without collision
The appropriate 7th character is to be added to each code from category V68
A initial encounter
D subsequent encounter
S sequela
V68.0 Driver of heavy transport vehicle injured in noncollision transport accident in nontraffic accident
V68.1 Passenger in heavy transport vehicle injured in noncollision transport accident in nontraffic accident
V68.2 Person on outside of heavy transport vehicle injured in noncollision transport accident in nontraffic accident
V68.3 Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in nontraffic accident
V68.4 Person boarding or alighting a heavy transport vehicle injured in noncollision transport accident
V68.5 Driver of heavy transport vehicle injured in noncollision transport accident in traffic accident
V68.6 Passenger in heavy transport vehicle injured in noncollision transport accident in traffic accident
V68.7 Person on outside of heavy transport vehicle injured in noncollision transport accident in traffic accident
V68.9 Unspecified occupant of heavy transport vehicle injured in noncollision transport accident in traffic accident

V69 Occupant of heavy transport vehicle injured in other and unspecified transport accidents
The appropriate 7th character is to be added to each code from category V69
  A  initial encounter
  D  subsequent encounter
  S  sequela
V69.0 Driver of heavy transport vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident
   V69.00 Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident
   V69.09 Driver of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident
V69.1 Passenger in heavy transport vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident
   V69.10 Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident
   V69.19 Passenger in heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident
V69.2 Unspecified occupant of heavy transport vehicle injured in collision with other and unspecified motor vehicles in nontraffic accident
   V69.20 Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in nontraffic accident
Collision NOS involving heavy transport vehicle, nontraffic
V69.29 Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in nontraffic accident

V69.3 Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified nontraffic accident
Accident NOS involving heavy transport vehicle, nontraffic
Occupant of heavy transport vehicle injured in nontraffic accident NOS

V69.4 Driver of heavy transport vehicle injured in collision with other and unspecified motor vehicles in traffic accident
V69.40 Driver of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident
V69.49 Driver of heavy transport vehicle injured in collision with other motor vehicles in traffic accident

V69.5 Passenger in heavy transport vehicle injured in collision with other and unspecified motor vehicles in traffic accident
V69.50 Passenger in heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident
V69.59 Passenger in heavy transport vehicle injured in collision with other motor vehicles in traffic accident

V69.6 Unspecified occupant of heavy transport vehicle injured in collision with other and unspecified motor vehicles in traffic accident
V69.60 Unspecified occupant of heavy transport vehicle injured in collision with unspecified motor vehicles in traffic accident
Collision NOS involving heavy transport vehicle (traffic)
V69.69 Unspecified occupant of heavy transport vehicle injured in collision with other motor vehicles in traffic accident

V69.8 Occupant (driver) (passenger) of heavy transport vehicle injured in other specified transport accidents
V69.81 Occupant (driver) (passenger) of heavy transport vehicle injured in transport accidents with military vehicle
V69.88 Occupant (driver) (passenger) of heavy transport vehicle injured in other specified transport accidents

V69.9 Occupant (driver) (passenger) of heavy transport vehicle injured in unspecified traffic accident
Accident NOS involving heavy transport vehicle

**Bus occupant injured in transport accident (V70-V79)**

Includes: motorcoach
Excludes1: minibus (V50-V59)
V70  **Bus occupant injured in collision with pedestrian or animal**
The appropriate 7th character is to be added to each code from category V70
  A  initial encounter
  D  subsequent encounter
  S  sequela
Excludes1: bus collision with animal-drawn vehicle or animal being ridden (V76.-)

V70.0 Driver of bus injured in collision with pedestrian or animal in nontraffic accident
V70.1 Passenger on bus injured in collision with pedestrian or animal in nontraffic accident
V70.2 Person on outside of bus injured in collision with pedestrian or animal in nontraffic accident
V70.3 Unspecified occupant of bus injured in collision with pedestrian or animal in nontraffic accident
V70.4 Person boarding or alighting from bus injured in collision with pedestrian or animal
V70.5 Driver of bus injured in collision with pedestrian or animal in traffic accident
V70.6 Passenger on bus injured in collision with pedestrian or animal in traffic accident
V70.7 Person on outside of bus injured in collision with pedestrian or animal in traffic accident
V70.9 Unspecified occupant of bus injured in collision with pedestrian or animal in traffic accident

V71  **Bus occupant injured in collision with pedal cycle**
The appropriate 7th character is to be added to each code from category V71
  A  initial encounter
  D  subsequent encounter
  S  sequela

V71.0 Driver of bus injured in collision with pedal cycle in nontraffic accident
V71.1 Passenger on bus injured in collision with pedal cycle in nontraffic accident
V71.2 Person on outside of bus injured in collision with pedal cycle in nontraffic accident
V71.3 Unspecified occupant of bus injured in collision with pedal cycle in nontraffic accident
V71.4 Person boarding or alighting from bus injured in collision with pedal cycle
V71.5 Driver of bus injured in collision with pedal cycle in traffic accident
V71.6 Passenger on bus injured in collision with pedal cycle in traffic accident
V71.7 Person on outside of bus injured in collision with pedal cycle in traffic accident
V71.9 Unspecified occupant of bus injured in collision with pedal cycle in traffic accident

V72 Bus occupant injured in collision with two- or three-wheeled motor vehicle
The appropriate 7th character is to be added to each code from category V72
  A initial encounter
  D subsequent encounter
  S sequela

V72.0 Driver of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V72.1 Passenger on bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V72.2 Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V72.3 Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in nontraffic accident
V72.4 Person boarding or alighting from bus injured in collision with two- or three-wheeled motor vehicle
V72.5 Driver of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident
V72.6 Passenger on bus injured in collision with two- or three-wheeled motor vehicle in traffic accident
V72.7 Person on outside of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident
V72.9 Unspecified occupant of bus injured in collision with two- or three-wheeled motor vehicle in traffic accident

V73 Bus occupant injured in collision with car, pick-up truck or van
The appropriate 7th character is to be added to each code from category V73
  A initial encounter
  D subsequent encounter
  S sequela

V73.0 Driver of bus injured in collision with car, pick-up truck or van in nontraffic accident
V73.1 Passenger on bus injured in collision with car, pick-up truck or van in nontraffic accident
V73.2 Person on outside of bus injured in collision with car, pick-up truck or van in nontraffic accident
V73.3 Unspecified occupant of bus injured in collision with car, pick-up truck or van in nontraffic accident
V73.4 Person boarding or alighting from bus injured in collision with car, pick-up truck or van
V73.5 Driver of bus injured in collision with car, pick-up truck or van in traffic accident
V73.6 Passenger on bus injured in collision with car, pick-up truck or van in traffic accident
V73.7 Person on outside of bus injured in collision with car, pick-up truck or van in traffic accident
V73.9 Unspecified occupant of bus injured in collision with car, pick-up truck or van in traffic accident

V74 Bus occupant injured in collision with heavy transport vehicle or bus
Excludes1: bus occupant injured in collision with military vehicle (V79.81)
The appropriate 7th character is to be added to each code from category V74
  A   initial encounter
  D   subsequent encounter
  S   sequela
V74.0 Driver of bus injured in collision with heavy transport vehicle or bus in nontraffic accident
V74.1 Passenger on bus injured in collision with heavy transport vehicle or bus in nontraffic accident
V74.2 Person on outside of bus injured in collision with heavy transport vehicle or bus in nontraffic accident
V74.3 Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in nontraffic accident
V74.4 Person boarding or alighting from bus injured in collision with heavy transport vehicle or bus
V74.5 Driver of bus injured in collision with heavy transport vehicle or bus in traffic accident
V74.6 Passenger on bus injured in collision with heavy transport vehicle or bus in traffic accident
V74.7 Person on outside of bus injured in collision with heavy transport vehicle or bus in traffic accident
V74.9 Unspecified occupant of bus injured in collision with heavy transport vehicle or bus in traffic accident

V75 Bus occupant injured in collision with railway train or railway vehicle
The appropriate 7th character is to be added to each code from category V75
  A   initial encounter
  D   subsequent encounter
  S   sequela
V75.0 Driver of bus injured in collision with railway train or railway vehicle in nontraffic accident
V75.1 Passenger on bus injured in collision with railway train or railway vehicle in nontraffic accident
V75.2 Person on outside of bus injured in collision with railway train or railway vehicle in nontraffic accident
V75.3 Unspecified occupant of bus injured in collision with railway train or railway vehicle in nontraffic accident
V75.4 Person boarding or alighting from bus injured in collision with railway train or railway vehicle
V75.5 Driver of bus injured in collision with railway train or railway vehicle in traffic accident
V75.6 Passenger on bus injured in collision with railway train or railway vehicle in traffic accident
V75.7 Person on outside of bus injured in collision with railway train or railway vehicle in traffic accident
V75.9 Unspecified occupant of bus injured in collision with railway train or railway vehicle in traffic accident

V76 Bus occupant injured in collision with other nonmotor vehicle
Includes: collision with animal-drawn vehicle, animal being ridden, streetcar
The appropriate 7th character is to be added to each code from category V76
   A initial encounter
   D subsequent encounter
   S sequela
V76.0 Driver of bus injured in collision with other nonmotor vehicle in nontraffic accident
V76.1 Passenger on bus injured in collision with other nonmotor vehicle in nontraffic accident
V76.2 Person on outside of bus injured in collision with other nonmotor vehicle in nontraffic accident
V76.3 Unspecified occupant of bus injured in collision with other nonmotor vehicle in nontraffic accident
V76.4 Person boarding or alighting from bus injured in collision with other nonmotor vehicle
V76.5 Driver of bus injured in collision with other nonmotor vehicle in traffic accident
V76.6 Passenger on bus injured in collision with other nonmotor vehicle in traffic accident
V76.7 Person on outside of bus injured in collision with other nonmotor vehicle in traffic accident
V76.9 Unspecified occupant of bus injured in collision with other nonmotor vehicle in traffic accident

V77 Bus occupant injured in collision with fixed or stationary object
The appropriate 7th character is to be added to each code from category V77
   A initial encounter
   D subsequent encounter
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V77.0</td>
<td>Driver of bus injured in collision with fixed or stationary object in nontraffic accident</td>
</tr>
<tr>
<td>V77.1</td>
<td>Passenger on bus injured in collision with fixed or stationary object in nontraffic accident</td>
</tr>
<tr>
<td>V77.2</td>
<td>Person on outside of bus injured in collision with fixed or stationary object in nontraffic accident</td>
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<tr>
<td>V77.3</td>
<td>Unspecified occupant of bus injured in collision with fixed or stationary object in nontraffic accident</td>
</tr>
<tr>
<td>V77.4</td>
<td>Person boarding or alighting from bus injured in collision with fixed or stationary object</td>
</tr>
<tr>
<td>V77.5</td>
<td>Driver of bus injured in collision with fixed or stationary object in traffic accident</td>
</tr>
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<td>V77.6</td>
<td>Passenger on bus injured in collision with fixed or stationary object in traffic accident</td>
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<tr>
<td>V77.7</td>
<td>Person on outside of bus injured in collision with fixed or stationary object in traffic accident</td>
</tr>
<tr>
<td>V77.9</td>
<td>Unspecified occupant of bus injured in collision with fixed or stationary object in traffic accident</td>
</tr>
<tr>
<td>V78.0</td>
<td>Driver of bus injured in noncollision transport accident in nontraffic accident</td>
</tr>
<tr>
<td>V78.1</td>
<td>Passenger on bus injured in noncollision transport accident in nontraffic accident</td>
</tr>
<tr>
<td>V78.2</td>
<td>Person on outside of bus injured in noncollision transport accident in nontraffic accident</td>
</tr>
<tr>
<td>V78.3</td>
<td>Unspecified occupant of bus injured in noncollision transport accident in nontraffic accident</td>
</tr>
<tr>
<td>V78.4</td>
<td>Person boarding or alighting from bus injured in noncollision transport accident</td>
</tr>
<tr>
<td>V78.5</td>
<td>Driver of bus injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V78.6</td>
<td>Passenger on bus injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V78.7</td>
<td>Person on outside of bus injured in noncollision transport accident in traffic accident</td>
</tr>
<tr>
<td>V78.9</td>
<td>Unspecified occupant of bus injured in noncollision transport accident in traffic accident</td>
</tr>
</tbody>
</table>
V79  Bus occupant injured in other and unspecified transport accidents
The appropriate 7th character is to be added to each code from category V79
  A  initial encounter
  D  subsequent encounter
  S  sequela
V79.0  Driver of bus injured in collision with other and unspecified motor vehicles in nontraffic accident
  V79.00  Driver of bus injured in collision with unspecified motor vehicles in nontraffic accident
  V79.09  Driver of bus injured in collision with other motor vehicles in nontraffic accident
V79.1  Passenger on bus injured in collision with other and unspecified motor vehicles in nontraffic accident
  V79.10  Passenger on bus injured in collision with unspecified motor vehicles in nontraffic accident
  V79.19  Passenger on bus injured in collision with other motor vehicles in nontraffic accident
V79.2  Unspecified bus occupant injured in collision with other and unspecified motor vehicles in nontraffic accident
  V79.20  Unspecified bus occupant injured in collision with unspecified motor vehicles in nontraffic accident
  V79.29  Unspecified bus occupant injured in collision with other motor vehicles in nontraffic accident
V79.3  Bus occupant (driver) (passenger) injured in unspecified nontraffic accident
  Bus accident NOS, nontraffic
  Bus occupant injured in nontraffic accident NOS
V79.4  Driver of bus injured in collision with other and unspecified motor vehicles in traffic accident
  V79.40  Driver of bus injured in collision with unspecified motor vehicles in traffic accident
  V79.49  Driver of bus injured in collision with other motor vehicles in traffic accident
V79.5  Passenger on bus injured in collision with other and unspecified motor vehicles in traffic accident
  V79.50  Passenger on bus injured in collision with unspecified motor vehicles in traffic accident
  V79.59  Passenger on bus injured in collision with other motor vehicles in traffic accident
V79.6  Unspecified bus occupant injured in collision with other and unspecified motor vehicles in traffic accident
  V79.60  Unspecified bus occupant injured in collision with unspecified motor vehicles in traffic accident
  Bus collision NOS (traffic)
V79.69 Unspecified bus occupant injured in collision with other motor vehicles in traffic accident
V79.8 Bus occupant (driver) (passenger) injured in other specified transport accidents
V79.81 Bus occupant (driver) (passenger) injured in transport accidents with military vehicle
V79.88 Bus occupant (driver) (passenger) injured in other specified transport accidents
V79.9 Bus occupant (driver) (passenger) injured in unspecified traffic accident
Bus accident NOS

Other land transport accidents (V80-V89)

V80 Animal-rider or occupant of animal-drawn vehicle injured in transport accident
The appropriate 7th character is to be added to each code from category V80
A initial encounter
D subsequent encounter
S sequela
V80.0 Animal-rider or occupant of animal-drawn vehicle injured by fall from or being thrown from animal or animal-drawn vehicle in noncollision accident
V80.01 Animal-rider injured by fall from or being thrown from animal in noncollision accident
V80.010 Animal-rider injured by fall from or being thrown from horse in noncollision accident
V80.018 Animal-rider injured by fall from or being thrown from other animal in noncollision accident
V80.02 Occupant of animal-drawn vehicle injured by fall from or being thrown from animal-drawn vehicle in noncollision accident
Overturning animal-drawn vehicle NOS
Overturning animal-drawn vehicle without collision
V80.1 Animal-rider or occupant of animal-drawn vehicle injured in collision with pedestrian or animal
Excludes1: animal-rider or animal-drawn vehicle collision with animal-drawn vehicle or animal being ridden (V80.7)
V80.11 Animal-rider injured in collision with pedestrian or animal
V80.12 Occupant of animal-drawn vehicle injured in collision with pedestrian or animal
V80.2 Animal-rider or occupant of animal-drawn vehicle injured in collision with pedal cycle
V80.21 Animal-rider injured in collision with pedal cycle
V80.22 Occupant of animal-drawn vehicle injured in collision with pedal cycle

V80.3 Animal-rider or occupant of animal-drawn vehicle injured in collision with two- or three-wheeled motor vehicle
V80.31 Animal-rider injured in collision with two- or three-wheeled motor vehicle
V80.32 Occupant of animal-drawn vehicle injured in collision with two- or three-wheeled motor vehicle

V80.4 Animal-rider or occupant of animal-drawn vehicle injured in collision with car, pick-up truck, van, heavy transport vehicle or bus
Excludes1: animal-rider injured in collision with military vehicle (V80.910)
   occupant of animal-drawn vehicle injured in collision with military vehicle (V80.920)

V80.41 Animal-rider injured in collision with car, pick-up truck, van, heavy transport vehicle or bus
V80.42 Occupant of animal-drawn vehicle injured in collision with car, pick-up truck, van, heavy transport vehicle or bus

V80.5 Animal-rider or occupant of animal-drawn vehicle injured in collision with other specified motor vehicle
V80.51 Animal-rider injured in collision with other specified motor vehicle
V80.52 Occupant of animal-drawn vehicle injured in collision with other specified motor vehicle

V80.6 Animal-rider or occupant of animal-drawn vehicle injured in collision with railway train or railway vehicle
V80.61 Animal-rider injured in collision with railway train or railway vehicle
V80.62 Occupant of animal-drawn vehicle injured in collision with railway train or railway vehicle

V80.7 Animal-rider or occupant of animal-drawn vehicle injured in collision with other nonmotor vehicles
   V80.71 Animal-rider or occupant of animal-drawn vehicle injured in collision with animal being ridden
   V80.710 Animal-rider injured in collision with other animal being ridden
   V80.711 Occupant of animal-drawn vehicle injured in collision with animal being ridden
   V80.72 Animal-rider or occupant of animal-drawn vehicle injured in collision with other animal-drawn vehicle
   V80.720 Animal-rider injured in collision with animal-drawn vehicle
V80.721  Occupant of animal-drawn vehicle injured in collision with other animal-drawn vehicle
V80.73  Animal-rider or occupant of animal-drawn vehicle injured in collision with streetcar
V80.730  Animal-rider injured in collision with streetcar
V80.731  Occupant of animal-drawn vehicle injured in collision with streetcar
V80.79  Animal-rider or occupant of animal-drawn vehicle injured in collision with other nonmotor vehicles
V80.790  Animal-rider injured in collision with other nonmotor vehicles
V80.791  Occupant of animal-drawn vehicle injured in collision with other nonmotor vehicles
V80.8  Animal-rider or occupant of animal-drawn vehicle injured in collision with fixed or stationary object
V80.81  Animal-rider injured in collision with fixed or stationary object
V80.82  Occupant of animal-drawn vehicle injured in collision with fixed or stationary object
V80.9  Animal-rider or occupant of animal-drawn vehicle injured in other and unspecified transport accidents
V80.91  Animal-rider injured in other and unspecified transport accidents
V80.910  Animal-rider injured in transport accident with military vehicle
V80.918  Animal-rider injured in other transport accident
V80.919  Animal-rider injured in unspecified transport accident
V80.92  Occupant of animal-drawn vehicle injured in other and unspecified transport accidents
V80.920  Occupant of animal-drawn vehicle injured in transport accident with military vehicle
V80.928  Occupant of animal-drawn vehicle injured in other transport accident
V80.929  Occupant of animal-drawn vehicle injured in unspecified transport accident

Animal-drawn vehicle accident NOS

V81  Occupant of railway train or railway vehicle injured in transport accident
Includes:  derailment of railway train or railway vehicle
person on outside of train
The appropriate 7th character is to be added to each code from category V81:

- A initial encounter
- D subsequent encounter
- S sequela

**V81.0 Occupant of railway train or railway vehicle injured in collision with motor vehicle in nontraffic accident**
Excludes1: Occupant of railway train or railway vehicle injured due to collision with military vehicle (V81.83)

**V81.1 Occupant of railway train or railway vehicle injured in collision with motor vehicle in traffic accident**
Excludes1: Occupant of railway train or railway vehicle injured due to collision with military vehicle (V81.83)

**V81.2 Occupant of railway train or railway vehicle injured in collision with or hit by rolling stock**

**V81.3 Occupant of railway train or railway vehicle injured in collision with other object**
Railway collision NOS

**V81.4 Person injured while boarding or alighting from railway train or railway vehicle**

**V81.5 Occupant of railway train or railway vehicle injured by fall in railway train or railway vehicle**

**V81.6 Occupant of railway train or railway vehicle injured by fall from railway train or railway vehicle**

**V81.7 Occupant of railway train or railway vehicle injured in derailment without antecedent collision**

**V81.8 Occupant of railway train or railway vehicle injured in other specified railway accidents**

- **V81.81 Occupant of railway train or railway vehicle injured due to explosion or fire on train**
- **V81.82 Occupant of railway train or railway vehicle injured due to object falling onto train**
  - Occupant of railway train or railway vehicle injured due to falling earth onto train
  - Occupant of railway train or railway vehicle injured due to falling rocks onto train
  - Occupant of railway train or railway vehicle injured due to falling snow onto train
  - Occupant of railway train or railway vehicle injured due to falling trees onto train

- **V81.83 Occupant of railway train or railway vehicle injured due to collision with military vehicle**
- **V81.89 Occupant of railway train or railway vehicle injured due to other specified railway accident**

**V81.9 Occupant of railway train or railway vehicle injured in unspecified railway accident**
V82 Occupant of powered streetcar injured in transport accident

Includes: interurban electric car
person on outside of streetcar
tram (car)
trolley (car)

Excludes1: bus (V70-V79)
motorcoach (V70-V79)
nonpowered streetcar (V76.-)
train (V81.-)

The appropriate 7th character is to be added to each code from category V82
A initial encounter
D subsequent encounter
S sequela

V82.0 Occupant of streetcar injured in collision with motor vehicle in nontraffic accident

V82.1 Occupant of streetcar injured in collision with motor vehicle in traffic accident

V82.2 Occupant of streetcar injured in collision with or hit by rolling stock

V82.3 Occupant of streetcar injured in collision with other object

Excludes1: collision with animal-drawn vehicle or animal being ridden (V82.8)

V82.4 Person injured while boarding or alighting from streetcar

V82.5 Occupant of streetcar injured by fall in streetcar

Excludes1: fall in streetcar:
while boarding or alighting (V82.4)
with antecedent collision (V82.0-V82.3)

V82.6 Occupant of streetcar injured by fall from streetcar

Excludes1: fall from streetcar:
while boarding or alighting (V82.4)
with antecedent collision (V82.0-V82.3)

V82.7 Occupant of streetcar injured in derailment without antecedent collision

Excludes1: occupant of streetcar injured in derailment with antecedent collision (V82.0-V82.3)

V82.8 Occupant of streetcar injured in other specified transport accidents
Streetcar collision with military vehicle
Streetcar collision with train or nonmotor vehicles

V82.9 Occupant of streetcar injured in unspecified traffic accident
Streetcar accident NOS
**V83** Occupant of special vehicle mainly used on industrial premises injured in transport accident

Includes:  
- battery-powered airport passenger vehicle  
- battery-powered truck (baggage) (mail)  
- coal-car in mine  
- forklift (truck)  
- logging car  
- self-propelled industrial truck  
- station baggage truck (powered)  
- tram, truck, or tub (powered) in mine or quarry  

Excludes:  
- special construction vehicles (V85.-)  
- special industrial vehicle in stationary use or maintenance (W31.-)  

The appropriate 7th character is to be added to each code from category V83  
- A initial encounter  
- D subsequent encounter  
- S sequela

**V83.0** Driver of special industrial vehicle injured in traffic accident  
**V83.1** Passenger of special industrial vehicle injured in traffic accident  
**V83.2** Person on outside of special industrial vehicle injured in traffic accident  
**V83.3** Unspecified occupant of special industrial vehicle injured in traffic accident  
**V83.4** Person injured while boarding or alighting from special industrial vehicle  
**V83.5** Driver of special industrial vehicle injured in nontraffic accident  
**V83.6** Passenger of special industrial vehicle injured in nontraffic accident  
**V83.7** Person on outside of special industrial vehicle injured in nontraffic accident  
**V83.9** Unspecified occupant of special industrial vehicle injured in nontraffic accident

Special-industrial-vehicle accident NOS

**V84** Occupant of special vehicle mainly used in agriculture injured in transport accident

Includes:  
- self-propelled farm machinery  
- tractor (and trailer)  

Excludes:  
- animal-powered farm machinery accident (W30.8-)  
- contact with combine harvester (W30.0)  
- special agricultural vehicle in stationary use or maintenance (W30.-)  

The appropriate 7th character is to be added to each code from category V84  
- A initial encounter  
- D subsequent encounter  
- S sequela
V84.0 Driver of special agricultural vehicle injured in traffic accident
V84.1 Passenger of special agricultural vehicle injured in traffic accident
V84.2 Person on outside of special agricultural vehicle injured in traffic accident
V84.3 Unspecified occupant of special agricultural vehicle injured in traffic accident
V84.4 Person injured while boarding or alighting from special agricultural vehicle
V84.5 Driver of special agricultural vehicle injured in nontraffic accident
V84.6 Passenger of special agricultural vehicle injured in nontraffic accident
V84.7 Person on outside of special agricultural vehicle injured in nontraffic accident
V84.9 Unspecified occupant of special agricultural vehicle injured in nontraffic accident

Special-agricultural vehicle accident NOS

V85 Occupant of special construction vehicle injured in transport accident
Includes: bulldozer
digger
dump truck
earth-leveller
mechanical shovel
road-roller
Excludes1: special industrial vehicle (V83.-)
special construction vehicle in stationary use or maintenance (W31.-)
The appropriate 7th character is to be added to each code from category V85
A  initial encounter
D  subsequent encounter
S  sequela

V85.0 Driver of special construction vehicle injured in traffic accident
V85.1 Passenger of special construction vehicle injured in traffic accident
V85.2 Person on outside of special construction vehicle injured in traffic accident
V85.3 Unspecified occupant of special construction vehicle injured in traffic accident
V85.4 Person injured while boarding or alighting from special construction vehicle
V85.5 Driver of special construction vehicle injured in nontraffic accident
V85.6 Passenger of special construction vehicle injured in nontraffic accident
V85.7 Person on outside of special construction vehicle injured in nontraffic accident
V85.9 Unspecified occupant of special construction vehicle injured in nontraffic accident
Special-construction-vehicle accident NOS

V86 Occupant of special all-terrain or other motor vehicle, injured in transport accident
Excludes1: special all-terrain vehicle in stationary use or maintenance (W31.-)
  sport-utility vehicle (V50-V59)
  three-wheeled motor vehicle designed for on-road use (V30-V39)
The appropriate 7th character is to be added to each code from category V86
  A initial encounter
  D subsequent encounter
  S sequela

V86.0 Driver of special all-terrain or other motor vehicle injured in traffic accident
  V86.01 Driver of ambulance or fire engine injured in traffic accident
  V86.02 Driver of snowmobile injured in traffic accident
  V86.03 Driver of dune buggy injured in traffic accident
  V86.04 Driver of military vehicle injured in traffic accident
  V86.09 Driver of other special all-terrain or other vehicle injured in traffic accident
    Driver of dirt bike injured in traffic accident
    Driver of go cart injured in traffic accident
    Driver of golf cart injured in traffic accident

V86.1 Passenger of special all-terrain or other motor vehicle injured in traffic accident
  V86.11 Passenger of ambulance or fire engine injured in traffic accident
  V86.12 Passenger of snowmobile injured in traffic accident
  V86.13 Passenger of dune buggy injured in traffic accident
  V86.14 Passenger of military vehicle injured in traffic accident
  V86.19 Passenger of other special all-terrain or other vehicle injured in traffic accident
    Passenger of dirt bike injured in traffic accident
    Passenger of go cart injured in traffic accident
    Passenger of golf cart injured in traffic accident

V86.2 Person on outside of special all-terrain or other motor vehicle injured in traffic accident
  V86.21 Person on outside of ambulance or fire engine injured in traffic accident
  V86.22 Person on outside of snowmobile injured in traffic accident
V86.23 Person on outside of dune buggy injured in traffic accident
V86.24 Person on outside of military vehicle injured in traffic accident
V86.29 Person on outside of other special all-terrain or other motor vehicle injured in traffic accident
   Person on outside of dirt bike injured in traffic accident
   Person on outside of go cart injured in traffic accident
   Person on outside of golf cart injured in traffic accident
V86.3 Unspecified occupant of special all-terrain or other motor vehicle injured in traffic accident
V86.31 Unspecified occupant of ambulance or fire engine injured in traffic accident
V86.32 Unspecified occupant of snowmobile injured in traffic accident
V86.33 Unspecified occupant of dune buggy injured in traffic accident
V86.34 Unspecified occupant of military vehicle injured in traffic accident
V86.39 Unspecified occupant of other all-terrain or other motor vehicle injured in traffic accident
   Unspecified occupant of dirt bike injured in traffic accident
   Unspecified occupant of go cart injured in traffic accident
   Unspecified occupant of golf cart injured in traffic accident
V86.4 Person injured while boarding or alighting from special all-terrain or other motor vehicle
V86.41 Person injured while boarding or alighting from ambulance or fire engine
V86.42 Person injured while boarding or alighting from snowmobile
V86.43 Person injured while boarding or alighting from dune buggy
V86.44 Person injured while boarding or alighting from military vehicle
V86.49 Person injured while boarding or alighting from other special all-terrain or other motor vehicle
   Person injured while boarding or alighting from dirt bike
   Person injured while boarding or alighting from go cart
   Person injured while boarding or alighting from golf cart
V86.5 Driver of special all-terrain or other motor vehicle injured in nontraffic accident
V86.51 Driver of ambulance or fire engine injured in nontraffic accident
V86.52 Driver of snowmobile injured in nontraffic accident
V86.53 Driver of dune buggy injured in nontraffic accident
V86.54 Driver of military vehicle injured in nontraffic accident
V86.59 Driver of other special all-terrain or other motor vehicle injured in nontraffic accident
Driver of dirt bike injured in nontraffic accident
Driver of go cart injured in nontraffic accident
Driver of golf cart injured in nontraffic accident
Driver of race car injured in nontraffic accident

V86.6 Passenger of special all-terrain or other motor vehicle injured in nontraffic accident
V86.61 Passenger of ambulance or fire engine injured in nontraffic accident
V86.62 Passenger of snowmobile injured in nontraffic accident
V86.63 Passenger of dune buggy injured in nontraffic accident
V86.64 Passenger of military vehicle injured in nontraffic accident
V86.69 Passenger of other special all-terrain or other vehicle injured in nontraffic accident
Passenger of dirt bike injured in nontraffic accident
Passenger of go cart injured in nontraffic accident
Passenger of golf cart injured in nontraffic accident
Passenger of race car injured in nontraffic accident

V86.7 Person on outside of special all-terrain or other motor vehicles injured in nontraffic accident
V86.71 Person on outside of ambulance or fire engine injured in nontraffic accident
V86.72 Person on outside of snowmobile injured in nontraffic accident
V86.73 Person on outside of dune buggy injured in nontraffic accident
V86.74 Person on outside of military vehicle injured in nontraffic accident
V86.79 Person on outside of other special all-terrain or other motor vehicles injured in nontraffic accident
Person on outside of dirt bike injured in nontraffic accident
Person on outside of go cart injured in nontraffic accident
Person on outside of golf cart injured in nontraffic accident
Person on outside of race car injured in nontraffic accident

V86.9 Unspecified occupant of special all-terrain or other motor vehicle injured in nontraffic accident
V86.91 Unspecified occupant of ambulance or fire engine injured in nontraffic accident
V86.92 Unspecified occupant of snowmobile injured in nontraffic accident
V86.93 Unspecified occupant of dune buggy injured in nontraffic accident
V86.94 Unspecified occupant of military vehicle injured in nontraffic accident
V86.99 Unspecified occupant of other special all-terrain or other motor vehicle injured in nontraffic accident
   All-terrain motor-vehicle accident NOS
   Off-road motor-vehicle accident NOS
   Other motor-vehicle accident NOS
   Unspecified occupant of dirt bike injured in nontraffic accident
   Unspecified occupant of go cart injured in nontraffic accident
   Unspecified occupant of golf cart injured in nontraffic accident
   Unspecified occupant of race car injured in nontraffic accident

V87 Traffic accident of specified type but victim's mode of transport unknown
   Excludes1: collision involving:
      pedal cycle (V10-V19)
      pedestrian (V01-V09)
   The appropriate 7th character is to be added to each code from category V87
      A initial encounter
      D subsequent encounter
      S sequela
V87.0 Person injured in collision between car and two- or three-wheeled powered vehicle (traffic)
V87.1 Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle (traffic)
V87.2 Person injured in collision between car and pick-up truck or van (traffic)
V87.3 Person injured in collision between car and bus (traffic)
V87.4 Person injured in collision between car and heavy transport vehicle (traffic)
V87.5 Person injured in collision between heavy transport vehicle and bus (traffic)
V87.6 Person injured in collision between railway train or railway vehicle and car (traffic)
V87.7 Person injured in collision between other specified motor vehicles (traffic)
V87.8 Person injured in other specified noncollision transport accidents involving motor vehicle (traffic)
V87.9 Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle (traffic)

V88 Nontraffic accident of specified type but victim's mode of transport unknown
   Excludes1: collision involving:
      pedal cycle (V10-V19)
      pedestrian (V01-V09)
The appropriate 7th character is to be added to each code from category V88

A  initial encounter
D  subsequent encounter
S  sequela

V88.0  Person injured in collision between car and two- or three-wheeled motor vehicle, nontraffic
V88.1  Person injured in collision between other motor vehicle and two- or three-wheeled motor vehicle, nontraffic
V88.2  Person injured in collision between car and pick-up truck or van, nontraffic
V88.3  Person injured in collision between car and bus, nontraffic
V88.4  Person injured in collision between car and heavy transport vehicle, nontraffic
V88.5  Person injured in collision between heavy transport vehicle and bus, nontraffic
V88.6  Person injured in collision between railway train or railway vehicle and car, nontraffic
V88.7  Person injured in collision between other specified motor vehicle, nontraffic
V88.8  Person injured in other specified noncollision transport accidents involving motor vehicle, nontraffic
V88.9  Person injured in other specified (collision)(noncollision) transport accidents involving nonmotor vehicle, nontraffic

V89  Motor- or nonmotor-vehicle accident, type of vehicle unspecified

The appropriate 7th character is to be added to each code from category V89

A  initial encounter
D  subsequent encounter
S  sequela

V89.0  Person injured in unspecified motor-vehicle accident, nontraffic
        Motor-vehicle accident NOS, nontraffic
V89.1  Person injured in unspecified nonmotor-vehicle accident, nontraffic
        Nonmotor-vehicle accident NOS (nontraffic)
V89.2  Person injured in unspecified motor-vehicle accident, traffic
        Motor-vehicle accident [MVA] NOS
        Road (traffic) accident [RTA] NOS
V89.3  Person injured in unspecified nonmotor-vehicle accident, traffic
        Nonmotor-vehicle traffic accident NOS
V89.9  Person injured in unspecified vehicle accident
        Collision NOS
Water transport accidents (V90-V94)

V90  Drowning and submersion due to accident to watercraft
Excludes1: civilian water transport accident involving military watercraft (V94.81-)
    fall into water not from watercraft (W16.-)
    military watercraft accident in military or war operations (Y36.0-, Y37.0-)
    water-transport-related drowning or submersion without accident to watercraft (V92.-)
The appropriate 7th character is to be added to each code from category V90
    A  initial encounter
    D  subsequent encounter
    S  sequela

V90.0 Drowning and submersion due to watercraft overturning
V90.00 Drowning and submersion due to merchant ship overturning
V90.01 Drowning and submersion due to passenger ship overturning
    Drowning and submersion due to Ferry-boat overturning
    Drowning and submersion due to Liner overturning
V90.02 Drowning and submersion due to fishing boat overturning
V90.03 Drowning and submersion due to other powered watercraft overturning
    Drowning and submersion due to Hovercraft (on open water) overturning
    Drowning and submersion due to Jet ski overturning
V90.04 Drowning and submersion due to sailboat overturning
V90.05 Drowning and submersion due to canoe or kayak overturning
V90.06 Drowning and submersion due to (nonpowered) inflatable craft overturning
V90.08 Drowning and submersion due to other unpowered watercraft overturning
    Drowning and submersion due to windsurfer overturning
V90.09 Drowning and submersion due to unspecified watercraft overturning
    Drowning and submersion due to boat NOS overturning
    Drowning and submersion due to ship NOS overturning
    Drowning and submersion due to watercraft NOS overturning

V90.1 Drowning and submersion due to watercraft sinking
V90.10 Drowning and submersion due to merchant ship sinking
V90.11 Drowning and submersion due to passenger ship sinking
Drowning and submersion due to Ferry-boat sinking
Drowning and submersion due to Liner sinking

V90.12 Drowning and submersion due to fishing boat sinking
V90.13 Drowning and submersion due to other powered watercraft sinking
Drowning and submersion due to Hovercraft (on open water) sinking
Drowning and submersion due to Jet ski sinking

V90.14 Drowning and submersion due to sailboat sinking
V90.15 Drowning and submersion due to canoe or kayak sinking
V90.16 Drowning and submersion due to (nonpowered) inflatable craft sinking
V90.18 Drowning and submersion due to other unpowered watercraft sinking
V90.19 Drowning and submersion due to unspecified watercraft sinking
Drowning and submersion due to boat NOS sinking
Drowning and submersion due to ship NOS sinking
Drowning and submersion due to watercraft NOS sinking

V90.2 Drowning and submersion due to falling or jumping from burning watercraft

V90.20 Drowning and submersion due to falling or jumping from burning merchant ship
V90.21 Drowning and submersion due to falling or jumping from burning passenger ship
Drowning and submersion due to falling or jumping from burning Ferry-boat
Drowning and submersion due to falling or jumping from burning Liner

V90.22 Drowning and submersion due to falling or jumping from burning fishing boat
V90.23 Drowning and submersion due to falling or jumping from other burning powered watercraft
Drowning and submersion due to falling and jumping from burning Hovercraft (on open water)
Drowning and submersion due to falling and jumping from burning Jet ski

V90.24 Drowning and submersion due to falling or jumping from burning sailboat
V90.25 Drowning and submersion due to falling or jumping from burning canoe or kayak
V90.26 Drowning and submersion due to falling or jumping from burning (nonpowered) inflatable craft
V90.27 Drowning and submersion due to falling or jumping from burning water-skis
V90.28 Drowning and submersion due to falling or jumping from other burning unpowered watercraft
Drowning and submersion due to falling and jumping from burning surf-board
Drowning and submersion due to falling and jumping from burning windsurfer

V90.29 Drowning and submersion due to falling or jumping from unspecified burning watercraft
Drowning and submersion due to falling or jumping from burning boat NOS
Drowning and submersion due to falling or jumping from burning ship NOS
Drowning and submersion due to falling or jumping from burning watercraft NOS

V90.3 Drowning and submersion due to falling or jumping from crushed watercraft

V90.30 Drowning and submersion due to falling or jumping from crushed merchant ship

V90.31 Drowning and submersion due to falling or jumping from crushed passenger ship
Drowning and submersion due to falling and jumping from crushed Ferry boat
Drowning and submersion due to falling and jumping from crushed Liner

V90.32 Drowning and submersion due to falling or jumping from crushed fishing boat

V90.33 Drowning and submersion due to falling or jumping from other crushed powered watercraft
Drowning and submersion due to falling and jumping from crushed Hovercraft
Drowning and submersion due to falling and jumping from crushed Jet ski

V90.34 Drowning and submersion due to falling or jumping from crushed sailboat

V90.35 Drowning and submersion due to falling or jumping from crushed canoe or kayak

V90.36 Drowning and submersion due to falling or jumping from crushed (nonpowered) inflatable craft

V90.37 Drowning and submersion due to falling or jumping from crushed water-skis

V90.38 Drowning and submersion due to falling or jumping from other crushed unpowered watercraft
Drowning and submersion due to falling and jumping from crushed surf-board
Drowning and submersion due to falling and jumping from crushed windsurfer
V90.39  Drowning and submersion due to falling or jumping from crushed unspecified watercraft
Drowning and submersion due to falling and jumping from crushed boat NOS
Drowning and submersion due to falling and jumping from crushed ship NOS
Drowning and submersion due to falling and jumping from crushed watercraft NOS

V90.8  Drowning and submersion due to other accident to watercraft
V90.80  Drowning and submersion due to other accident to merchant ship
V90.81  Drowning and submersion due to other accident to passenger ship
Drowning and submersion due to other accident to Ferry-boat
Drowning and submersion due to other accident to Liner
V90.82  Drowning and submersion due to other accident to fishing boat
V90.83  Drowning and submersion due to other accident to other powered watercraft
Drowning and submersion due to other accident to Hovercraft
(on open water)
Drowning and submersion due to other accident to Jet ski
V90.84  Drowning and submersion due to other accident to sailboat
V90.85  Drowning and submersion due to other accident to canoe or kayak
V90.86  Drowning and submersion due to other accident to (nonpowered) inflatable craft
V90.87  Drowning and submersion due to other accident to water-skis
V90.88  Drowning and submersion due to other accident to other unpowered watercraft
Drowning and submersion due to other accident to surf-board
Drowning and submersion due to other accident to windsurfer
V90.89  Drowning and submersion due to other accident to unspecified watercraft
Drowning and submersion due to other accident to boat NOS
Drowning and submersion due to other accident to ship NOS
Drowning and submersion due to other accident to watercraft NOS

V91  Other injury due to accident to watercraft
Includes: any injury except drowning and submersion as a result of an accident to watercraft
Excludes1: civilian water transport accident involving military watercraft
(V94.81-)
military watercraft accident in military or war operations (Y36, Y37-)

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Excludes2: drowning and submersion due to accident to watercraft (V90.-)
The appropriate 7th character is to be added to each code from category V91

A  initial encounter
D  subsequent encounter
S  sequela

V91.0 Burn due to watercraft on fire
Excludes1: burn from localized fire or explosion on board ship without accident to watercraft (V93.-)

V91.00 Burn due to merchant ship on fire
V91.01 Burn due to passenger ship on fire
  Burn due to Ferry-boat on fire
  Burn due to Liner on fire
V91.02 Burn due to fishing boat on fire
V91.03 Burn due to other powered watercraft on fire
  Burn due to Hovercraft (on open water) on fire
  Burn due to Jet ski on fire
V91.04 Burn due to sailboat on fire
V91.05 Burn due to canoe or kayak on fire
V91.06 Burn due to (nonpowered) inflatable craft on fire
V91.07 Burn due to water-skis on fire
V91.08 Burn due to other unpowered watercraft on fire
V91.09 Burn due to unspecified watercraft on fire
  Burn due to boat NOS on fire
  Burn due to ship NOS on fire
  Burn due to watercraft NOS on fire

V91.1 Crushed between watercraft and other watercraft or other object due to collision
Crushed by lifeboat after abandoning ship in a collision
Note: select the specified type of watercraft that the victim was on at the time of the collision

V91.10 Crushed between merchant ship and other watercraft or other object due to collision
V91.11 Crushed between passenger ship and other watercraft or other object due to collision
  Crushed between Ferry-boat and other watercraft or other object due to collision
  Crushed between Liner and other watercraft or other object due to collision
V91.12 Crushed between fishing boat and other watercraft or other object due to collision
V91.13 Crushed between other powered watercraft and other watercraft or other object due to collision
  Crushed between Hovercraft (on open water) and other watercraft or other object due to collision
  Crushed between Jet ski and other watercraft or other object due to collision
V91.14 Crushed between sailboat and other watercraft or other object due to collision
V91.15 Crushed between canoe or kayak and other watercraft or other object due to collision
V91.16 Crushed between (nonpowered) inflatable craft and other watercraft or other object due to collision
V91.18 Crushed between other unpowered watercraft and other watercraft or other object due to collision
    Crushed between surfboard and other watercraft or other object due to collision
    Crushed between windsurfer and other watercraft or other object due to collision
V91.19 Crushed between unspecified watercraft and other watercraft or other object due to collision
    Crushed between boat NOS and other watercraft or other object due to collision
    Crushed between ship NOS and other watercraft or other object due to collision
    Crushed between watercraft NOS and other watercraft or other object due to collision
V91.2 Fall due to collision between watercraft and other watercraft or other object
    Fall while remaining on watercraft after collision
    Note: select the specified type of watercraft that the victim was on at the time of the collision
    Excludes: crushed between watercraft and other watercraft and other object due to collision (V91.1-)
        drowning and submersion due to falling from crushed watercraft (V90.3-)
V91.20 Fall due to collision between merchant ship and other watercraft or other object
V91.21 Fall due to collision between passenger ship and other watercraft or other object
    Fall due to collision between Ferry-boat and other watercraft or other object
    Fall due to collision between Liner and other watercraft or other object
V91.22 Fall due to collision between fishing boat and other watercraft or other object
V91.23 Fall due to collision between other powered watercraft and other watercraft or other object
    Fall due to collision between Hovercraft (on open water) and other watercraft or other object
    Fall due to collision between Jet ski and other watercraft or other object
V91.24 Fall due to collision between sailboat and other watercraft or other object
V91.25 Fall due to collision between canoe or kayak and other watercraft or other object
V91.26 Fall due to collision between (nonpowered) inflatable craft and other watercraft or other object
V91.29 Fall due to collision between unspecified watercraft and other watercraft or other object
  Fall due to collision between boat NOS and other watercraft or other object
  Fall due to collision between ship NOS and other watercraft or other object
  Fall due to collision between watercraft NOS and other watercraft or other object

V91.3 Hit or struck by falling object due to accident to watercraft
  Hit or struck by falling object (part of damaged watercraft or other object) after falling or jumping from damaged watercraft
  Excludes: drowning or submersion due to fall or jumping from damaged watercraft (V90.2-, V90.3-)
V91.30 Hit or struck by falling object due to accident to merchant ship
V91.31 Hit or struck by falling object due to accident to passenger ship
  Hit or struck by falling object due to accident to Ferry-boat
  Hit or struck by falling object due to accident to Liner
V91.32 Hit or struck by falling object due to accident to fishing boat
V91.33 Hit or struck by falling object due to accident to other powered watercraft
  Hit or struck by falling object due to accident to Hovercraft (on open water)
  Hit or struck by falling object due to accident to Jet ski
V91.34 Hit or struck by falling object due to accident to sailboat
V91.35 Hit or struck by falling object due to accident to canoe or kayak
V91.36 Hit or struck by falling object due to accident to (nonpowered) inflatable craft
V91.37 Hit or struck by falling object due to accident to water-skis
  Hit by water-skis after jumping off of waterskis
V91.38 Hit or struck by falling object due to accident to other unpowered watercraft
  Hit or struck by surf-board after falling off damaged surf-board
  Hit or struck by object after falling off damaged windsurfer
V91.39 Hit or struck by falling object due to accident to unspecified watercraft
Hit or struck by falling object due to accident to boat NOS
Hit or struck by falling object due to accident to ship NOS
Hit or struck by falling object due to accident to watercraft NOS

V91.8 Other injury due to other accident to watercraft
V91.80 Other injury due to other accident to merchant ship
V91.81 Other injury due to other accident to passenger ship
Other injury due to other accident to Ferry-boat
Other injury due to other accident to Liner
V91.82 Other injury due to other accident to fishing boat
V91.83 Other injury due to other accident to other powered watercraft
Other injury due to other accident to Hovercraft (on open water)
Other injury due to other accident to Jet ski
V91.84 Other injury due to other accident to sailboat
V91.85 Other injury due to other accident to canoe or kayak
V91.86 Other injury due to other accident to (nonpowered) inflatable craft
V91.87 Other injury due to other accident to water-skis
V91.88 Other injury due to other accident to other unpowered watercraft
Other injury due to other accident to surf-board
Other injury due to other accident to windsurfer
V91.89 Other injury due to other accident to unspecified watercraft
Other injury due to other accident to boat NOS
Other injury due to other accident to ship NOS
Other injury due to other accident to watercraft NOS

V92 Drowning and submersion due to accident on board watercraft, without accident to watercraft
Excludes1: civilian water transport accident involving military watercraft (V94.81-)
drowning or submersion due to accident to watercraft (V90-V91)
drowning or submersion of diver who voluntarily jumps from boat not involved in an accident (W16.711, W16.721)
fall into water without watercraft (W16.-)
military watercraft accident in military or war operations (Y36, Y37)
The appropriate 7th character is to be added to each code from category V92
A initial encounter
D subsequent encounter
S sequela

V92.0 Drowning and submersion due to fall off watercraft
Drowning and submersion due to fall from gangplank of watercraft
Drowning and submersion due to fall overboard watercraft
Excludes2: hitting head on object or bottom of body of water due to fall from watercraft (V94.0-)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V92.00</td>
<td><strong>Drowning and submersion due to fall off merchant ship</strong></td>
</tr>
<tr>
<td>V92.01</td>
<td><strong>Drowning and submersion due to fall off passenger ship</strong></td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off Ferry-boat</td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off Liner</td>
</tr>
<tr>
<td>V92.02</td>
<td><strong>Drowning and submersion due to fall off fishing boat</strong></td>
</tr>
<tr>
<td>V92.03</td>
<td><strong>Drowning and submersion due to fall off other powered watercraft</strong></td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off Hovercraft (on open water)</td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off Jet ski</td>
</tr>
<tr>
<td>V92.04</td>
<td><strong>Drowning and submersion due to fall off sailboat</strong></td>
</tr>
<tr>
<td>V92.05</td>
<td><strong>Drowning and submersion due to fall off canoe or kayak</strong></td>
</tr>
<tr>
<td>V92.06</td>
<td><strong>Drowning and submersion due to fall off (nonpowered) inflatable craft</strong></td>
</tr>
<tr>
<td>V92.07</td>
<td><strong>Drowning and submersion due to fall off water-skis</strong></td>
</tr>
<tr>
<td></td>
<td>Excludes1: drowning and submersion due to falling off burning water-skis (V90.27)</td>
</tr>
<tr>
<td></td>
<td>drowning and submersion due to falling off crushed water-skis (V90.37)</td>
</tr>
<tr>
<td></td>
<td>hit by boat while water-skiing NOS (V94.x)</td>
</tr>
<tr>
<td>V92.08</td>
<td><strong>Drowning and submersion due to fall off other unpowered watercraft</strong></td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off surf-board</td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off windsurfer</td>
</tr>
<tr>
<td></td>
<td>Excludes1: drowning and submersion due to fall off burning unpowered watercraft (V90.28)</td>
</tr>
<tr>
<td></td>
<td>drowning and submersion due to fall off crushed unpowered watercraft (V90.38)</td>
</tr>
<tr>
<td></td>
<td>drowning and submersion due to fall off damaged unpowered watercraft (V90.88)</td>
</tr>
<tr>
<td></td>
<td>drowning and submersion due to rider of nonpowered watercraft being hit by other watercraft (V94...)</td>
</tr>
<tr>
<td></td>
<td>other injury due to rider of nonpowered watercraft being hit by other watercraft (V94...)</td>
</tr>
<tr>
<td>V92.09</td>
<td><strong>Drowning and submersion due to fall off unspecified watercraft</strong></td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off boat NOS</td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off ship</td>
</tr>
<tr>
<td></td>
<td>Drowning and submersion due to fall off watercraft NOS</td>
</tr>
</tbody>
</table>
V92.1 Drowning and submersion due to being thrown overboard by motion of watercraft
Excludes1: drowning and submersion due to fall off surf-board (V92.08)
        drowning and submersion due to fall off water-skis (V92.07)
        drowning and submersion due to fall off windsurfer (V92.08)

V92.10 Drowning and submersion due to being thrown overboard by motion of merchant ship
V92.11 Drowning and submersion due to being thrown overboard by motion of passenger ship
Drowning and submersion due to being thrown overboard by motion of Ferry-boat
Drowning and submersion due to being thrown overboard by motion of Liner

V92.12 Drowning and submersion due to being thrown overboard by motion of fishing boat
V92.13 Drowning and submersion due to being thrown overboard by motion of other powered watercraft
Drowning and submersion due to being thrown overboard by motion of Hovercraft

V92.14 Drowning and submersion due to being thrown overboard by motion of sailboat
V92.15 Drowning and submersion due to being thrown overboard by motion of canoe or kayak
V92.16 Drowning and submersion due to being thrown overboard by motion of (nonpowered) inflatable craft
V92.19 Drowning and submersion due to being thrown overboard by motion of unspecified watercraft
Drowning and submersion due to being thrown overboard by motion of boat NOS
Drowning and submersion due to being thrown overboard by motion of ship NOS
Drowning and submersion due to being thrown overboard by motion of watercraft NOS

V92.2 Drowning and submersion due to being washed overboard from watercraft
Code first any associated cataclysm (X37.0-)
V92.20 Drowning and submersion due to being washed overboard from merchant ship
V92.21 Drowning and submersion due to being washed overboard from passenger ship
Drowning and submersion due to being washed overboard from Ferry-boat
Drowning and submersion due to being washed overboard from Liner
V92.22 Drowning and submersion due to being washed overboard from fishing boat
V92.23 Drowning and submersion due to being washed overboard from other powered watercraft
Drowning and submersion due to being washed overboard from Hovercraft (on open water)
Drowning and submersion due to being washed overboard from Jet ski

V92.24 Drowning and submersion due to being washed overboard from sailboat

V92.25 Drowning and submersion due to being washed overboard from canoe or kayak

V92.26 Drowning and submersion due to being washed overboard from (nonpowered) inflatable craft

V92.27 Drowning and submersion due to being washed overboard from water-skis
Excludes1: drowning and submersion due to fall off water-skis (V92.07)

V92.28 Drowning and submersion due to being washed overboard from other unpowered watercraft
Drowning and submersion due to being washed overboard from surf-board
Drowning and submersion due to being washed overboard from windsurfer

V92.29 Drowning and submersion due to being washed overboard from unspecified watercraft
Drowning and submersion due to being washed overboard from boat NOS
Drowning and submersion due to being washed overboard from ship NOS
Drowning and submersion due to being washed overboard from watercraft NOS

V93 Other injury due to accident on board watercraft, without accident to watercraft
Excludes1: civilian water transport accident involving military watercraft (V94.81-)
other injury due to accident to watercraft (V91.-)
military watercraft accident in military or war operations ( Y36, Y37-)
Excludes2: drowning and submersion due to accident on board watercraft, without accident to watercraft (V92.-)
The appropriate 7th character is to be added to each code from category V93
  A initial encounter
  D subsequent encounter
  S sequela

V93.0 Burn due to localized fire on board watercraft
Excludes1: burn due to watercraft on fire (V91.0-)

V93.00 Burn due to localized fire on board merchant vessel
V93.01 Burn due to localized fire on board passenger vessel
Burn due to localized fire on board Ferry-boat
Burn due to localized fire on board Liner
V93.02 Burn due to localized fire on board fishing boat
V93.03 Burn due to localized fire on board other powered watercraft
Burn due to localized fire on board Hovercraft
Burn due to localized fire on board Jet ski
V93.04 Burn due to localized fire on board sailboat
V93.09 Burn due to localized fire on board unspecified watercraft
Burn due to localized fire on board boat NOS
Burn due to localized fire on board ship NOS
Burn due to localized fire on board watercraft NOS

V93.1 Other burn on board watercraft
Burn due to source other than fire on board watercraft
Excludes1: burn due to watercraft on fire (V91.0-)
V93.10 Other burn on board merchant vessel
V93.11 Other burn on board passenger vessel
Other burn on board Ferry-boat
Other burn on board Liner
V93.12 Other burn on board fishing boat
V93.13 Other burn on board other powered watercraft
Other burn on board Hovercraft
Other burn on board Jet ski
V93.14 Other burn on board sailboat
V93.19 Other burn on board unspecified watercraft
Other burn on board boat NOS
Other burn on board ship NOS
Other burn on board watercraft NOS

V93.2 Heat exposure on board watercraft
Excludes1: exposure to man-made heat not aboard watercraft (W92)
exposure to natural heat while on board watercraft (X30)
exposure to sunlight while on board watercraft (X32)
Excludes2: burn due to fire on board watercraft (V93.0-)
V93.20 Heat exposure on board merchant ship
V93.21 Heat exposure on board passenger ship
Heat exposure on board Ferry-boat
Heat exposure on board Liner
V93.22 Heat exposure on board fishing boat
V93.23 Heat exposure on board other powered watercraft
Heat exposure on board hovercraft
V93.24 Heat exposure on board sailboat
V93.29 Heat exposure on board unspecified watercraft
Heat exposure on board boat NOS
Heat exposure on board ship NOS
V93.3 Fall on board watercraft
   Excludes1: fall due to collision of watercraft (V91.2-)
V93.30 Fall on board merchant ship
V93.31 Fall on board passenger ship
   Fall on board Ferry-boat
   Fall on board Liner
V93.32 Fall on board fishing boat
V93.33 Fall on board other powered watercraft
   Fall on board Hovercraft (on open water)
   Fall on board Jet ski
V93.34 Fall on board sailboat
V93.35 Fall on board canoe or kayak
V93.36 Fall on board (nonpowered) inflatable craft
V93.38 Fall on board other unpowered watercraft
V93.39 Fall on board unspecified watercraft
   Fall on board boat NOS
   Fall on board ship NOS
   Fall on board watercraft NOS

V93.4 Struck by falling object on board watercraft
   Hit by falling object on board watercraft
   Excludes1: struck by falling object due to accident to watercraft (V91.3)
V93.40 Struck by falling object on merchant ship
V93.41 Struck by falling object on passenger ship
   Struck by falling object on Ferry-boat
   Struck by falling object on Liner
V93.42 Struck by falling object on fishing boat
V93.43 Struck by falling object on other powered watercraft
   Struck by falling object on Hovercraft
V93.44 Struck by falling object on sailboat
V93.48 Struck by falling object on other unpowered watercraft
V93.49 Struck by falling object on unspecified watercraft

V93.5 Explosion on board watercraft
   Boiler explosion on steamship
   Excludes2: fire on board watercraft (V93.0-)
V93.50 Explosion on board merchant ship
V93.51 Explosion on board passenger ship
   Explosion on board Ferry-boat
   Explosion on board Liner
V93.52 Explosion on board fishing boat
V93.53 Explosion on board other powered watercraft
   Explosion on board Hovercraft
   Explosion on board Jet ski
V93.54 Explosion on board sailboat
V93.59 Explosion on board unspecified watercraft
   Explosion on board boat NOS
Explosion on board ship NOS
Explosion on board watercraft NOS

**V93.6 Machinery accident on board watercraft**
Excludes1: machinery explosion on board watercraft (V93.4-)
machinery fire on board watercraft (V93.0-)

**V93.60 Machinery accident on board merchant ship**

**V93.61 Machinery accident on board passenger ship**
Machinery accident on board Ferry-boat
Machinery accident on board Liner

**V93.62 Machinery accident on board fishing boat**

**V93.63 Machinery accident on board other powered watercraft**
Machinery accident on board Hovercraft

**V93.64 Machinery accident on board sailboat**

**V93.69 Machinery accident on board unspecified watercraft**
Machinery accident on board boat NOS
Machinery accident on board ship NOS
Machinery accident on board watercraft NOS

**V93.8 Other injury due to other accident on board watercraft**
Accidental poisoning by gases or fumes on watercraft

**V93.80 Other injury due to other accident on board merchant ship**

**V93.81 Other injury due to other accident on board passenger ship**
Other injury due to other accident on board Ferry-boat
Other injury due to other accident on board Liner

**V93.82 Other injury due to other accident on board fishing boat**

**V93.83 Other injury due to other accident on board other powered watercraft**
Other injury due to other accident on board Hovercraft
Other injury due to other accident on board Jet ski

**V93.84 Other injury due to other accident on board sailboat**

**V93.85 Other injury due to other accident on board canoe or kayak**

**V93.86 Other injury due to other accident on board (nonpowered) inflatable craft**

**V93.87 Other injury due to other accident on board water-skis**
Hit or struck by object while waterskiing

**V93.88 Other injury due to other accident on board other unpowered watercraft**
Hit or struck by object while surfing
Hit or struck by object while on board windsurfer

**V93.89 Other injury due to other accident on board unspecified watercraft**
Other injury due to other accident on board boat NOS
Other injury due to other accident on board ship NOS
Other injury due to other accident on board watercraft NOS

**V94 Other and unspecified water transport accidents**
Excludes1: military watercraft accidents in military or war operations (Y36, Y37)
The appropriate 7th character is to be added to each code from category V94

A initial encounter
D subsequent encounter
S sequela

**V94.0 Hitting object or bottom of body of water due to fall from watercraft**
Excludes2: drowning and submersion due to fall from watercraft (V92.0-)

**V94.1 Bather struck by watercraft**
Swimmer hit by watercraft

V94.11 Bather struck by powered watercraft
V94.12 Bather struck by nonpowered watercraft

**V94.2 Rider of nonpowered watercraft struck by other watercraft**

V94.21 Rider of nonpowered watercraft struck by other nonpowered watercraft
Canoer hit by other nonpowered watercraft
Surfer hit by other nonpowered watercraft
Windsurfer hit by other nonpowered watercraft

V94.22 Rider of nonpowered watercraft struck by powered watercraft
Canoer hit by motorboat
Surfer hit by motorboat
Windsurfer hit by motorboat

**V94.3 Injury to rider of (inflatable) watercraft being pulled behind other watercraft**

V94.31 Injury to rider of (inflatable) recreational watercraft being pulled behind other watercraft
Injury to rider of inner-tube pulled behind motor boat

V94.32 Injury to rider of non-recreational watercraft being pulled behind other watercraft
Injury to occupant of dingy being pulled behind boat or ship
Injury to occupant of life-raft being pulled behind boat or ship

**V94.4 Injury to barefoot water-skier**
Injury to person being pulled behind boat or ship

**V94.8 Other water transport accident**

V94.81 Water transport accident involving military watercraft
V94.810 Civilian watercraft involved in water transport accident with military watercraft
Passenger on civilian watercraft injured due to accident with military watercraft

V94.811 Civilian in water injured by military watercraft
V94.818 Other water transport accident involving military watercraft
V94.89 Other water transport accident
V94.9 Unspecified water transport accident
Water transport accident NOS

### Air and space transport accidents (V95-V97)

Excludes: military aircraft accidents in military or war operations (Y36, Y37)

**V95 Accident to powered aircraft causing injury to occupant**

The appropriate 7th character is to be added to each code from category V95

- A initial encounter
- D subsequent encounter
- S sequela

**V95.0 Helicopter accident injuring occupant**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V95.00</td>
<td>Unspecified helicopter accident injuring occupant</td>
</tr>
<tr>
<td>V95.01</td>
<td>Helicopter crash injuring occupant</td>
</tr>
<tr>
<td>V95.02</td>
<td>Forced landing of helicopter injuring occupant</td>
</tr>
<tr>
<td>V95.03</td>
<td>Helicopter collision injuring occupant</td>
</tr>
<tr>
<td></td>
<td>Helicopter collision with any object, fixed, movable or moving</td>
</tr>
<tr>
<td>V95.04</td>
<td>Helicopter fire injuring occupant</td>
</tr>
<tr>
<td>V95.05</td>
<td>Helicopter explosion injuring occupant</td>
</tr>
<tr>
<td>V95.09</td>
<td>Other helicopter accident injuring occupant</td>
</tr>
</tbody>
</table>

**V95.1 Ultralight, microlight or powered-glider accident injuring occupant**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V95.10</td>
<td>Unspecified ultralight, microlight or powered-glider accident injuring occupant</td>
</tr>
<tr>
<td>V95.11</td>
<td>Ultralight, microlight or powered-glider crash injuring occupant</td>
</tr>
<tr>
<td>V95.12</td>
<td>Forced landing of ultralight, microlight or powered-glider injuring occupant</td>
</tr>
<tr>
<td>V95.13</td>
<td>Ultralight, microlight or powered-glider collision injuring occupant</td>
</tr>
<tr>
<td></td>
<td>Ultralight, microlight or powered-glider collision with any</td>
</tr>
<tr>
<td></td>
<td>object, fixed, movable or moving</td>
</tr>
<tr>
<td>V95.14</td>
<td>Ultralight, microlight or powered-glider fire injuring occupant</td>
</tr>
<tr>
<td>V95.15</td>
<td>Ultralight, microlight or powered-glider explosion injuring occupant</td>
</tr>
<tr>
<td>V95.19</td>
<td>Other ultralight, microlight or powered-glider accident injuring occupant</td>
</tr>
</tbody>
</table>

**V95.2 Other private fixed-wing aircraft accident injuring occupant**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>V95.20</td>
<td>Unspecified accident to other private fixed-wing aircraft, injuring occupant</td>
</tr>
</tbody>
</table>
V95.21 Other private fixed-wing aircraft crash injuring occupant
V95.22 Forced landing of other private fixed-wing aircraft injuring occupant
V95.23 Other private fixed-wing aircraft collision injuring occupant
Other private fixed-wing aircraft collision with any object, fixed, movable or moving
V95.24 Other private fixed-wing aircraft fire injuring occupant
V95.25 Other private fixed-wing aircraft explosion injuring occupant
V95.29 Other accident to other private fixed-wing aircraft injuring occupant
V95.3 Commercial fixed-wing aircraft accident injuring occupant
V95.30 Unspecified accident to commercial fixed-wing aircraft injuring occupant
V95.31 Commercial fixed-wing aircraft crash injuring occupant
V95.32 Forced landing of commercial fixed-wing aircraft injuring occupant
V95.33 Commercial fixed-wing aircraft collision injuring occupant
Commercial fixed-wing aircraft collision with any object, fixed, movable or moving
V95.34 Commercial fixed-wing aircraft fire injuring occupant
V95.35 Commercial fixed-wing aircraft explosion injuring occupant
V95.39 Other accident to commercial fixed-wing aircraft injuring occupant
V95.4 Spacecraft accident injuring occupant
V95.40 Unspecified spacecraft accident injuring occupant
V95.41 Spacecraft crash injuring occupant
V95.42 Forced landing of spacecraft injuring occupant
V95.43 Spacecraft collision injuring occupant
Spacecraft collision with any object, fixed, moveable or moving
V95.44 Spacecraft fire injuring occupant
V95.45 Spacecraft explosion injuring occupant
V95.49 Other spacecraft accident injuring occupant
V95.8 Other powered aircraft accidents injuring occupant
V95.9 Unspecified aircraft accident injuring occupant
Aircraft accident NOS
Air transport accident NOS

V96 Accident to nonpowered aircraft causing injury to occupant
The appropriate 7th character is to be added to each code from category V96
A initial encounter
D subsequent encounter
S sequela

**V96.0 Balloon accident injuring occupant**
- V96.00 Unspecified balloon accident injuring occupant
- V96.01 Balloon crash injuring occupant
- V96.02 Forced landing of balloon injuring occupant
- V96.03 Balloon collision injuring occupant
  - Balloon collision with any object, fixed, moveable or moving
- V96.04 Balloon fire injuring occupant
- V96.05 Balloon explosion injuring occupant
- V96.09 Other balloon accident injuring occupant

**V96.1 Hang-glider accident injuring occupant**
- V96.10 Unspecified hang-glider accident injuring occupant
- V96.11 Hang-glider crash injuring occupant
- V96.12 Forced landing of hang-glider injuring occupant
- V96.13 Hang-glider collision injuring occupant
  - Hang-glider collision with any object, fixed, moveable or moving
- V96.14 Hang-glider fire injuring occupant
- V96.15 Hang-glider explosion injuring occupant
- V96.19 Other hang-glider accident injuring occupant

**V96.2 Glider (nonpowered) accident injuring occupant**
- V96.20 Unspecified glider (nonpowered) accident injuring occupant
- V96.21 Glider (nonpowered) crash injuring occupant
- V96.22 Forced landing of glider (nonpowered) injuring occupant
- V96.23 Glider (nonpowered) collision injuring occupant
  - Glider (nonpowered) collision with any object, fixed, moveable or moving
- V96.24 Glider (nonpowered) fire injuring occupant
- V96.25 Glider (nonpowered) explosion injuring occupant
- V96.29 Other glider (nonpowered) accident injuring occupant

**V96.8 Other nonpowered-aircraft accidents injuring occupant**
- Kite carrying a person accident injuring occupant

**V96.9 Unspecified nonpowered-aircraft accident injuring occupant**
- Nonpowered-aircraft accident NOS

**V97 Other specified air transport accidents**
The appropriate 7th character is to be added to each code from category V97
- A initial encounter
- D subsequent encounter
- S sequela

**V97.0 Occupant of aircraft injured in other specified air transport accidents**
- Fall in, on or from aircraft in air transport accident
- Excludes1: accident while boarding or alighting aircraft (V97.1)
V97.1 Person injured while boarding or alighting from aircraft
V97.2 Parachutist accident
  V97.21 Parachutist entangled in object
      Parachutist landing in tree
  V97.22 Parachutist injured on landing
  V97.29 Other parachutist accident
V97.3 Person on ground injured in air transport accident
  V97.31 Hit by object falling from aircraft
      Hit by crashing aircraft
      Injured by aircraft hitting house
      Injured by aircraft hitting car
  V97.32 Injured by rotating propeller
  V97.33 Sucked into jet engine
  V97.39 Other injury to person on ground due to air transport accident
V97.8 Other air transport accidents, not elsewhere classified
  Excludes1: aircraft accident NOS (V95.9)
      exposure to changes in air pressure during ascent or descent
      (W94.-)
  V97.81 Air transport accident involving military aircraft
  V97.810 Civilian aircraft involved in air transport accident with military aircraft
      Passenger in civilian aircraft injured due to accident with military aircraft
  V97.811 Civilian injured by military aircraft
  V97.818 Other air transport accident involving military aircraft
  V97.89 Other air transport accidents, not elsewhere classified
      Injury from machinery on aircraft

Other and unspecified transport accidents (V98-V99)

Excludes1: vehicle accident, type of vehicle unspecified (V89.-)

V98 Other specified transport accidents
  The appropriate 7th character is to be added to each code from category V98
  A initial encounter
  D subsequent encounter
  S sequela
  V98.0 Accident to, on or involving cable-car, not on rails
      Caught or dragged by cable-car, not on rails
      Fall or jump from cable-car, not on rails
      Object thrown from or in cable-car, not on rails
  V98.1 Accident to, on or involving land-yacht
  V98.2 Accident to, on or involving ice yacht
  V98.3 Accident to, on or involving ski lift
Accident to, on or involving ski chair-lift
Accident to, on or involving ski-lift with gondola

V98.8 Other specified transport accidents

V99 Unspecified transport accident
The appropriate 7th character is to be added to code V99
A initial encounter
D subsequent encounter
S sequela

Other external causes of accidental injury (W00-X58)

Slipping, tripping, stumbling and falls (W00-W19)

Excludes1: assault involving a fall (Y01-Y02)
fall (in) (from):
animal (V80.-)
machinery (in operation) (W28-W31)
transport vehicle (V01-V99)
intentional self-harm involving a fall (X80-X81)
Excludes2: at risk for fall (history of fall) Z91.81
fall (in) (from):
burning building (X00.-)
into fire (X00-X04, X08-X09)

W00 Fall due to ice and snow
Includes: pedestrian on foot falling (slipping) on ice and snow
Excludes1: fall on (from) ice and snow involving pedestrian conveyance (V00.-)
fall from stairs and steps not due to ice and snow (W10.-)
The appropriate 7th character is to be added to each code from category W00
A initial encounter
D subsequent encounter
S sequela

W00.0 Fall on same level due to ice and snow
W00.1 Fall from stairs and steps due to ice and snow
W00.2 Other fall from one level to another due to ice and snow
W00.9 Unspecified fall due to ice and snow

W01 Fall on same level from slipping, tripping and stumbling
Includes: fall on moving sidewalk
Excludes1: fall due to bumping (striking) against object (W18.0-)
fall in shower or bathtub (W18.2-)
fall on same level NOS (W18.30)
fall on same level from slipping, tripping and stumbling due to ice or snow (W00.0)
fall off or from toilet (W18.1-)
slipping, tripping and stumbling NOS (W18.40)
slipping, tripping and stumbling without falling (W18.4-)
The appropriate 7th character is to be added to each code from category W01
A  initial encounter
D  subsequent encounter
S  sequela

W01.0 Fall on same level from slipping, tripping and stumbling without subsequent striking against object
Falling over animal
W01.1 Fall on same level from slipping, tripping and stumbling with subsequent striking against object
W01.10 Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified object
W01.11 Fall on same level from slipping, tripping and stumbling with subsequent striking against sharp object
W01.110 Fall on same level from slipping, tripping and stumbling with subsequent striking against sharp glass
W01.111 Fall on same level from slipping, tripping and stumbling with subsequent striking against power tool or machine
W01.118 Fall on same level from slipping, tripping and stumbling with subsequent striking against other sharp object
W01.119 Fall on same level from slipping, tripping and stumbling with subsequent striking against unspecified sharp object
W01.19 Fall on same level from slipping, tripping and stumbling with subsequent striking against other object
W01.190 Fall on same level from slipping, tripping and stumbling with subsequent striking against furniture
W01.198 Fall on same level from slipping, tripping and stumbling with subsequent striking against other object

Category W02 deactivated. See category V00

W03 Other fall on same level due to collision with another person
Includes: fall due to non-transport collision with other person
Excludes1: collision with another person without fall (W51) crushed or pushed by a crowd or human stampede (W52)
fall involving pedestrian conveyance (V00-V09)
fall due to ice or snow (W00)
fall on same level NOS (W18.30)
The appropriate 7th character is to be added to code W03
A  initial encounter
D  subsequent encounter
S  sequela

**W04 Fall while being carried or supported by other persons**
Includes: accidentally dropped while being carried
The appropriate 7th character is to be added to code W04
A  initial encounter
D  subsequent encounter
S  sequela

**W05 Fall from non-moving wheelchair**
Excludes: fall from moving wheelchair (V00.811)
The appropriate 7th character is to be added to code W05
A  initial encounter
D  subsequent encounter
S  sequela

**W06 Fall from bed**
The appropriate 7th character is to be added to code W06
A  initial encounter
D  subsequent encounter
S  sequela

**W07 Fall from chair**
The appropriate 7th character is to be added to code W07
A  initial encounter
D  subsequent encounter
S  sequela

**W08 Fall from other furniture**
The appropriate 7th character is to be added to code W08
A  initial encounter
D  subsequent encounter
S  sequela

**W09 Fall on and from playground equipment**
Excludes: fall involving recreational machinery (W31)
The appropriate 7th character is to be added to each code from category W09
A  initial encounter
D  subsequent encounter
S  sequela

**W09.0 Fall on or from playground slide**
**W09.1 Fall from playground swing**
W09.2 Fall on or from jungle gym
W09.8 Fall on or from other playground equipment

W10 Fall on and from stairs and steps
Excludes1: Fall from stairs and steps due to ice and snow (W00.1)
The appropriate 7th character is to be added to each code from category W10
   A initial encounter
   D subsequent encounter
   S sequela

W10.0 Fall (on)(from) escalator
W10.1 Fall (on)(from) sidewalk curb
W10.3 Fall (on)(from) incline
   Fall (on) (from) ramp
W10.8 Fall (on) (from) other stairs and steps
W10.9 Fall (on) (from) unspecified stairs and steps

W11 Fall on and from ladder
The appropriate 7th character is to be added to code W11
   A initial encounter
   D subsequent encounter
   S sequela

W12 Fall on and from scaffolding
The appropriate 7th character is to be added to code W12
   A initial encounter
   D subsequent encounter
   S sequela

W13 Fall from, out of or through building or structure
The appropriate 7th character is to be added to each code from category W13
   A initial encounter
   D subsequent encounter
   S sequela

W13.0 Fall from, out of or through balcony
   Fall from, out of or through railing
W13.1 Fall from, out of or through bridge
W13.2 Fall from, out of or through roof
W13.3 Fall through floor
W13.4 Fall from, out of or through window
   Excludes2: Fall with subsequent striking against sharp glass (W01.110)
W13.8 Fall from, out of or through other building or structure
   Fall from, out of or through viaduct
   Fall from, out of or through wall
   Fall from, out of or through flag-pole
W13.9 Fall from, out of or through building, not otherwise specified
   Excludes1: Collapse of a building or structure (W20.-)
   fall or jump from burning building or structure (X00.-)
W14 Fall from tree
The appropriate 7th character is to be added to code W14
A initial encounter
D subsequent encounter
S sequela

W15 Fall from cliff
The appropriate 7th character is to be added to code W15
A initial encounter
D subsequent encounter
S sequela

W16 Fall, jump or diving into water
Excludes1: accidental non-watercraft drowning and submersion not involving fall (W65-W74)
effects of air pressure from diving (W94.-)
fall into water from watercraft (V90-V94)
hitting an object or against bottom when falling from watercraft (V94.0)
Excludes2: striking or hitting diving board (W21.3)
The appropriate 7th character is to be added to each code from category W16
A initial encounter
D subsequent encounter
S sequela

W16.0 Fall into swimming pool
Fall into swimming pool NOS
Excludes1: fall into empty swimming pool (W17.3)

  W16.01 Fall into swimming pool striking water surface
  W16.011 Fall into swimming pool striking water surface causing drowning and submersion
  Excludes1: drowning and submersion while in swimming pool without fall (W67)

  W16.012 Fall into swimming pool striking water surface causing other injury

  W16.02 Fall into swimming pool striking bottom
  W16.021 Fall into swimming pool striking bottom causing drowning and submersion
  Excludes1: drowning and submersion while in swimming pool without fall (W67)

  W16.022 Fall into swimming pool striking bottom causing other injury

  W16.03 Fall into swimming pool striking wall
  W16.031 Fall into swimming pool striking wall causing drowning and submersion

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Excludes 1: drowning and submersion while in swimming pool without fall (W67)

W16.032 Fall into swimming pool striking wall causing other injury

W16.1 Fall into natural body of water
   Fall into lake
   Fall into open sea
   Fall into river
   Fall into stream

   W16.11 Fall into natural body of water striking water surface
   W16.111 Fall into natural body of water striking water surface causing drowning and submersion
      Excludes 1: drowning and submersion while in natural body of water without fall (W69)
   W16.112 Fall into natural body of water striking water surface causing other injury

   W16.12 Fall into natural body of water striking bottom
   W16.121 Fall into natural body of water striking bottom causing drowning and submersion
      Excludes 1: drowning and submersion while in natural body of water without fall (W69)
   W16.122 Fall into natural body of water striking bottom causing other injury

   W16.13 Fall into natural body of water striking side
   W16.131 Fall into natural body of water striking side causing drowning and submersion
      Excludes 1: drowning and submersion while in natural body of water without fall (W69)
   W16.132 Fall into natural body of water striking side causing other injury

W16.2 Fall in (into) filled bathtub or bucket of water
   W16.21 Fall in (into) filled bathtub
      Excludes 1: fall into empty bathtub (W18.2)
   W16.211 Fall in (into) filled bathtub causing drowning and submersion
      Excludes 1: drowning and submersion while in filled bathtub without fall (W65)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.212</td>
<td>Fall in (into) filled bathtub causing other injury</td>
</tr>
<tr>
<td>W16.22</td>
<td>Fall in (into) bucket of water</td>
</tr>
<tr>
<td>W16.221</td>
<td>Fall in (into) bucket of water causing drowning and submersion</td>
</tr>
<tr>
<td>W16.222</td>
<td>Fall in (into) bucket of water causing other injury</td>
</tr>
</tbody>
</table>

**W16.3 Fall into other water**

- Fall into fountain
- Fall into reservoir

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.31</td>
<td>Fall into other water striking water surface</td>
</tr>
<tr>
<td>W16.311</td>
<td>Fall into other water striking water surface causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes: drowning and submersion while in other water without fall (W73)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.312</td>
<td>Fall into other water striking water surface causing other injury</td>
</tr>
</tbody>
</table>

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<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.32</td>
<td>Fall into other water striking bottom</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.321</td>
<td>Fall into other water striking bottom causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes: drowning and submersion while in other water without fall (W73)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.322</td>
<td>Fall into other water striking bottom causing other injury</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.33</td>
<td>Fall into other water striking wall</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.331</td>
<td>Fall into other water striking wall causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes: drowning and submersion while in other water without fall (W73)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.332</td>
<td>Fall into other water striking wall causing other injury</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.4</td>
<td>Fall into unspecified water</td>
</tr>
</tbody>
</table>

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<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.41</td>
<td>Fall into unspecified water causing drowning and submersion</td>
</tr>
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<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.42</td>
<td>Fall into unspecified water causing other injury</td>
</tr>
</tbody>
</table>

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<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>W16.5</td>
<td>Jumping or diving into swimming pool</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.51</td>
<td>Jumping or diving into swimming pool striking water surface</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W16.511</td>
<td>Jumping or diving into swimming pool striking water surface causing drowning</td>
</tr>
<tr>
<td></td>
<td>and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes: drowning and submersion while in swimming pool without jumping or</td>
</tr>
<tr>
<td></td>
<td>diving (W67)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>W16.512</td>
<td>Jumping or diving into swimming pool striking water surface causing other</td>
</tr>
<tr>
<td></td>
<td>injury</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>W16.52</td>
<td>Jumping or diving into swimming pool striking bottom</td>
</tr>
<tr>
<td>W16.521</td>
<td>Jumping or diving into swimming pool striking bottom causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes drowning and submersion while in swimming pool without jumping or diving (W67)</td>
</tr>
<tr>
<td>W16.522</td>
<td>Jumping or diving into swimming pool striking bottom causing other injury</td>
</tr>
<tr>
<td>W16.53</td>
<td>Jumping or diving into swimming pool striking wall</td>
</tr>
<tr>
<td>W16.531</td>
<td>Jumping or diving into swimming pool striking wall causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes drowning and submersion while in swimming pool without jumping or diving (W67)</td>
</tr>
<tr>
<td>W16.532</td>
<td>Jumping or diving into swimming pool striking wall causing other injury</td>
</tr>
<tr>
<td></td>
<td><em>W16.6 Jumping or diving into natural body of water</em></td>
</tr>
<tr>
<td></td>
<td>Jumping or diving into lake</td>
</tr>
<tr>
<td></td>
<td>Jumping or diving into open sea</td>
</tr>
<tr>
<td></td>
<td>Jumping or diving into river</td>
</tr>
<tr>
<td></td>
<td>Jumping or diving into stream</td>
</tr>
<tr>
<td>W16.61</td>
<td>Jumping or diving into natural body of water striking water surface</td>
</tr>
<tr>
<td>W16.611</td>
<td>Jumping or diving into natural body of water striking water surface causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes drowning and submersion while in natural body of water without jumping or diving (W69)</td>
</tr>
<tr>
<td>W16.612</td>
<td>Jumping or diving into natural body of water striking water surface causing other injury</td>
</tr>
<tr>
<td>W16.62</td>
<td>Jumping or diving into natural body of water striking bottom</td>
</tr>
<tr>
<td>W16.621</td>
<td>Jumping or diving into natural body of water striking bottom causing drowning and submersion</td>
</tr>
<tr>
<td></td>
<td>Excludes drowning and submersion while in natural body of water without jumping or diving (W69)</td>
</tr>
<tr>
<td>W16.622</td>
<td>Jumping or diving into natural body of water striking bottom causing other injury</td>
</tr>
</tbody>
</table>
W16.7 Jumping or diving from boat
   Excludes1: Fall from boat into water - see watercraft accident (V90-V94)
   W16.71 Jumping or diving from boat striking water surface
   W16.711 Jumping or diving from boat striking water surface causing drowning and submersion
   W16.712 Jumping or diving from boat striking water surface causing other injury
   W16.72 Jumping or diving from boat striking bottom
   W16.721 Jumping or diving from boat striking bottom causing drowning and submersion
   W16.722 Jumping or diving from boat striking bottom causing other injury

W16.8 Jumping or diving into other water
   Jumping or diving into fountain
   Jumping or diving into reservoir
   W16.81 Jumping or diving into other water striking water surface
   W16.811 Jumping or diving into other water striking water surface causing drowning and submersion
       Excludes1: drowning and submersion while in other water without jumping or diving (W73)
   W16.812 Jumping or diving into other water striking water surface causing other injury
   W16.82 Jumping or diving into other water striking bottom
   W16.821 Jumping or diving into other water striking bottom causing drowning and submersion
       Excludes1: drowning and submersion while in other water without jumping or diving (W73)
   W16.822 Jumping or diving into other water striking bottom causing other injury
   W16.83 Jumping or diving into other water striking wall
   W16.831 Jumping or diving into other water striking wall causing drowning and submersion
       Excludes1: drowning and submersion while in other water without jumping or diving (W73)
   W16.832 Jumping or diving into other water striking wall causing other injury

W16.9 Jumping or diving into unspecified water
W16.91 Jumping or diving into unspecified water causing drowning and submersion
W16.92 Jumping or diving into unspecified water causing other injury

W17 Other fall from one level to another
The appropriate 7th character is to be added to each code from category W17
A initial encounter
D subsequent encounter
S sequela

W17.0 Fall into well
W17.1 Fall into storm drain or manhole
W17.2 Fall into hole
Fall into pit
W17.3 Fall into empty swimming pool
Excludes1: fall into filled swimming pool (W16.0-)
W17.4 Fall from dock
W17.8 Other fall from one level to another
W17.81 Fall down embankment (hill)
W17.82 Fall from (out of) grocery cart
Fall due to grocery cart tipping over
W17.89 Other fall from one level to another

W18 Other slipping, tripping and stumbling and falls
The appropriate 7th character is to be added to each code from category W18
A initial encounter
D subsequent encounter
S sequela

W18.0 Fall due to bumping against object
Striking against object with subsequent fall
Excludes1: fall on same level due to slipping, tripping, or stumbling with subsequent striking against object (W01.1-)
W18.00 Striking against unspecified object with subsequent fall
W18.01 Striking against sports equipment with subsequent fall
W18.02 Striking against glass with subsequent fall
W18.09 Striking against other object with subsequent fall
W18.1 Fall from or off toilet
W18.11 Fall from or off toilet without subsequent striking against object
Fall from (off) toilet NOS
W18.12 Fall from or off toilet with subsequent striking against object
W18.2 Fall in (into) shower or empty bathtub
Excludes1: fall in full bathtub (W16.21-)
W18.3 Other and unspecified fall on same level
W18.30 Fall on same level, unspecified
W18.31 Fall on same level due to stepping on an object
Fall on same level due to stepping on an animal
Excludes1: slipping, tripping and stumbling without fall
due to stepping on animal (W18.41)
W18.39 Other fall on same level
W18.4 Slipping, tripping and stumbling without falling
Excludes1: collision with another person without fall (W51)
W18.40 Slipping, tripping and stumbling without falling,
unspecified
W18.41 Slipping, tripping and stumbling without falling due to stepping on object
Slipping, tripping and stumbling without falling due to stepping on animal
Excludes1: slipping, tripping and stumbling with fall
due to stepping on animal (W18.31)
W18.42 Slipping, tripping and stumbling without falling due to stepping into hole or opening
W18.43 Slipping, tripping and stumbling without falling due to stepping from one level to another
W18.49 Other slipping, tripping and stumbling without falling

W19 Unspecified fall
Includes: accidental fall NOS
The appropriate 7th character is to be added to code W19
A initial encounter
D subsequent encounter
S sequela

Exposure to inanimate mechanical forces (W20-W49)
Excludes1: assault (X91-Y08)
contact or collision with animals or persons (W50-W64)
exposure to inanimate mechanical forces involving military or war operations
(Y36.-, Y37.-)
intentional self-harm (X70-X83)

W20 Struck by thrown, projected or falling object
Code first any associated:
cataclysm (X34-X39)
lightning strike (T75.0)
Excludes1: falling object in:
machinery accident (W24, W28-W31)
transport accident (V01-V99)
object set in motion by:
explosion (W35-W40)
firearm (W32-W34)
struck by thrown sports equipment (W21.-)
The appropriate 7th character is to be added to each code from category W20
   A  initial encounter
   D  subsequent encounter
   S  sequela

W20.0 Struck by falling object in cave-in
   Excludes2: asphyxiation due to cave-in (T71.21)

W20.1 Struck by object due to collapse of building
   Excludes1: struck by object due to collapse of burning building (X00.2, X02.2)

W20.8 Other cause of strike by thrown, projected or falling object
   Excludes1: struck by thrown sports equipment (W21.-)

W21 Striking against or struck by sports equipment
   Excludes1: assault with sports equipment (Y08.1-)
   striking against or struck by sports equipment with subsequent fall
   (W18.01)

The appropriate 7th character is to be added to each code from category W21
   A  initial encounter
   D  subsequent encounter
   S  sequela

W21.0 Struck by hit or thrown ball
   W21.00 Struck by hit or thrown ball, unspecified type
   W21.01 Struck by football
   W21.02 Struck by soccer ball
   W21.03 Struck by baseball
   W21.04 Struck by golf ball
   W21.05 Struck by basketball
   W21.06 Struck by volleyball
   W21.07 Struck by softball
   W21.09 Struck by other hit or thrown ball

W21.1 Struck by bat, racquet or club
   W21.11 Struck by baseball bat
   W21.12 Struck by tennis racquet
   W21.13 Struck by golf club
   W21.19 Struck by other bat, racquet or club

W21.2 Struck by hockey stick or puck
   W21.21 Struck by hockey stick
   W21.20 Struck by ice hockey stick
   W21.211 Struck by field hockey stick
   W21.22 Struck by hockey puck
   W21.220 Struck by ice hockey puck
   W21.221 Struck by field hockey puck

W21.3 Struck by sports footwear
   W21.31 Struck by shoe cleats
      Stepped on by shoe cleats
   W21.32 Struck by skate blades
      Skated over by skate blades
W21.39 Struck by other sports foot wear
W21.4 Striking against diving board
   Use additional code for subsequent falling into water, if applicable (W16.-)
W21.8 Striking against or struck by other sports equipment
   W21.81 Striking against or struck by football helmet
   W21.89 Striking against or struck by other sports equipment
W21.9 Striking against or struck by unspecified sports equipment

W22 Striking against or struck by other objects
Excludes1: striking against or struck by object with subsequent fall (W18.09)
The appropriate 7th character is to be added to each code from category W22
   A  initial encounter
   D  subsequent encounter
   S  sequela
W22.0 Striking against stationary object
   Excludes1: striking against stationary sports equipment (W21.8)
   W22.01 Walked into wall
   W22.02 Walked into lamppost
   W22.03 Walked into furniture
   W22.04 Striking against wall of swimming pool
   W22.041 Striking against wall of swimming pool causing drowning and submersion
      Excludes1: drowning and submersion while swimming without striking against wall (W67)
   W22.042 Striking against wall of swimming pool causing other injury
   W22.09 Striking against other stationary object
W22.1 Striking against or struck by automobile airbag
   W22.10 Striking against or struck by unspecified automobile airbag
   W22.11 Striking against or struck by driver side automobile airbag
   W22.12 Striking against or struck by front passenger side automobile airbag
   W22.19 Striking against or struck by other automobile airbag
W22.8 Striking against or struck by other objects
   Striking against or struck by object NOS
   Excludes1: struck by thrown, projected or falling object (W20.-)

W23 Caused, crushed, jammed or pinched in or between objects
Excludes1: injury caused by cutting or piercing instruments (W25-W27)
   injury caused by firearms malfunction (W32.1, W33.1-, W34.1-)
   injury caused by lifting and transmission devices (W24.-)
   injury caused by machinery (W28-W31)
   injury caused by nonpowered hand tools (W27.-)
injury caused by transport vehicle being used as a means of transportation (V01-V99)
injury caused by struck by thrown, projected or falling object (W20.-)
The appropriate 7th character is to be added to each code from category W23
  A  initial encounter
  D  subsequent encounter
  S  sequela

W23.0 Caught, crushed, jammed, or pinched between moving objects
W23.1 Caught, crushed, jammed, or pinched between stationary objects

W24 Contact with lifting and transmission devices, not elsewhere classified
  Excludes1: transport accidents (V01-V99)
The appropriate 7th character is to be added to each code from category W24
  A  initial encounter
  D  subsequent encounter
  S  sequela

W24.0 Contact with lifting devices, not elsewhere classified
  Contact with chain hoist
  Contact with drive belt
  Contact with pulley (block)

W24.1 Contact with transmission devices, not elsewhere classified
  Contact with transmission belt or cable

W25 Contact with sharp glass
  Excludes1: transport accidents (V01-V99)
  Excludes1: fall on same level due to slipping, tripping and stumbling with subsequent striking against sharp glass (W01.10)
  Excludes1: striking against sharp glass with subsequent fall (W18.02)
The appropriate 7th character is to be added to code W25
  A  initial encounter
  D  subsequent encounter
  S  sequela

W26 Contact with knife, sword or dagger
  Excludes1: contact with electric knife (W29.1)

W26.0 Contact with knife
  Excludes1: contact with electric knife (W29.1)

W26.1 Contact with sword or dagger
W27 Contact with nonpowered hand tool
The appropriate 7th character is to be added to each code from category W27
A initial encounter
D subsequent encounter
S sequela
W27.0 Contact with workbench tool
Contact with auger
Contact with axe
Contact with chisel
Contact with handsaw
Contact with screwdriver
W27.1 Contact with garden tool
Contact with hoe
Contact with nonpowered lawn mower
Contact with pitchfork
Contact with rake
W27.2 Contact with scissors
W27.3 Contact with needle (sewing)
Excludes: contact with hypodermic needle (W46.-)
W27.4 Contact with kitchen utensil
Contact with fork
Contact with ice-pick
Contact with can-opener NOS
W27.5 Contact with paper-cutter
W27.8 Contact with other nonpowered hand tool
Contact with nonpowered sewing machine
Contact with shovel
W28 Contact with powered lawn mower
Includes: powered lawn mower (commercial) (residential)
Excludes: contact with nonpowered lawn mower (W27.1)
Excludes: exposure to electric current (W86.-)
The appropriate 7th character is to be added to code W28
A initial encounter
D subsequent encounter
S sequela
W29 Contact with other powered hand tools and household machinery
Excludes: contact with commercial machinery (W31.82)
contact with hot household appliance (X15)
contact with nonpowered hand tool (W27.-)
exposure to electric current (W86)
The appropriate 7th character is to be added to each code from category W29
A initial encounter
D subsequent encounter
W29.0 Contact with powered kitchen appliance
    Contact with blender
    Contact with can-opener
    Contact with garbage disposal
    Contact with mixer

W29.1 Contact with electric knife

W29.2 Contact with other powered household machinery
    Contact with electric fan
    Contact with powered dryer (clothes) (powered) (spin)
    Contact with washing-machine
    Contact with sewing machine

W29.3 Contact with powered garden and outdoor hand tools and machinery
    Contact with chainsaw
    Contact with edger
    Contact with garden cultivator (tiller)
    Contact with hedge trimmer
    Contact with other powered garden tool
    Excludes1: contact with powered lawn mower (W28)

W29.4 Contact with nail gun

W29.8 Contact with other powered powered hand tools and household machinery
    Contact with do-it-yourself tool NOS

W30 Contact with agricultural machinery
    Includes: animal-powered farm machine
    Excludes1: agricultural transport vehicle accident (V01-V99)
    explosion of grain store (W40.8)
    exposure to electric current (W86.-)
    The appropriate 7th character is to be added to each code from category W30
    A initial encounter
    D subsequent encounter
    S sequela

W30.0 Contact with combine harvester
    Contact with reaper
    Contact with thresher

W30.1 Contact with power take-off devices (PTO)

W30.2 Contact with hay derrick

W30.3 Contact with grain storage elevator
    Excludes1: explosion of grain store (W40.8)

W30.8 Contact with other specified agricultural machinery
    W30.81 Contact with agricultural transport vehicle in stationary use
    Contact with agricultural transport vehicle under repair, not on public roadway
    Excludes1: agricultural transport vehicle accident (V01-V99)
W30.89 Contact with other specified agricultural machinery
W30.9 Contact with unspecified agricultural machinery
Contact with farm machinery NOS

W31 Contact with other and unspecified machinery
Excludes1: contact with agricultural machinery (W30.-)
  contact with machinery in transport under own power or being towed
  by a vehicle (V01-V99)
  exposure to electric current (W86)
The appropriate 7th character is to be added to each code from category W31
  A initial encounter
  D subsequent encounter
  S sequela

W31.0 Contact with mining and earth-drilling machinery
  Contact with bore or drill (land) (seabed)
  Contact with shaft hoist
  Contact with shaft lift
  Contact with undercutter

W31.1 Contact with metalworking machines
  Contact with abrasive wheel
  Contact with forging machine
  Contact with lathe
  Contact with mechanical shears
  Contact with metal drilling machine
  Contact with milling machine
  Contact with power press
  Contact with rolling-mill
  Contact with metal sawing machine

W31.2 Contact with powered woodworking and forming machines
  Contact with band saw
  Contact with bench saw
  Contact with circular saw
  Contact with molding machine
  Contact with overhead plane
  Contact with powered saw
  Contact with radial saw
  Contact with sander
  Excludes1: nonpowered woodworking tools (W27.0)

W31.3 Contact with prime movers
  Contact with gas turbine
  Contact with internal combustion engine
  Contact with steam engine
  Contact with water driven turbine

W31.8 Contact with other specified machinery
W31.81 Contact with recreational machinery
  Contact with roller-coaster
W31.82 Contact with other commercial machinery
Contact with commercial electric fan
Contact with commercial kitchen appliances
Contact with commercial powered dryer (clothes) (powered)
  (spin)
Contact with commercial washing-machine
Contact with commercial sewing machine
Excludes1: contact with household machinery (W29.-)  
    contact with powered lawn mower (W28)
W31.83 Contact with special construction vehicle in stationary use
  Contact with special construction vehicle under repair, not on public roadway
Excludes1: special construction vehicle accident (V01-V99)
W31.89 Contact with other specified machinery
W31.9 Contact with unspecified machinery
  Contact with machinery NOS

W32 Accidental handgun discharge and malfunction
  Includes: accidental discharge and malfunction of gun for single hand use
  accidental discharge and malfunction of pistol
  accidental discharge and malfunction of revolver
  handgun discharge and malfunction NOS
Excludes1: accidental airgun discharge and malfunction (W34.010, W34.110)
  accidental BB gun discharge and malfunction (W34.010, W34.110)
  accidental pellet gun discharge and malfunction (W34.010, W34.110)
  accidental shotgun discharge and malfunction (W33.01, W33.11)
  assault by handgun discharge (X93)
  handgun discharge involving legal intervention (Y35.0-)
  handgun discharge involving military or war operations (Y36.4-)
  intentional self-harm by handgun discharge (X72)
  Very pistol discharge and malfunction (W34.09, W34.19)
  The appropriate 7th character is to be added to each code from category W32
    A initial encounter
    D subsequent encounter
    S sequela
W32.0 Accidental handgun discharge
W32.1 Accidental handgun malfunction
  Injury due to explosion of handgun (parts)
  Injury due to malfunction of mechanism or component of handgun
  Injury due to recoil of handgun
  Powder burn from handgun

W33 Accidental rifle, shotgun and larger firearm discharge and malfunction
  Includes: rifle, shotgun and larger firearm discharge and malfunction NOS
Excludes1: accidental airgun discharge and malfunction (W34.010, W34.110)
  accidental BB gun discharge and malfunction (W34.010, W34.110)
accidental handgun discharge and malfunction (W32.-)
accidental pellet gun discharge and malfunction (W34.010, W34.110)
assault by rifle, shotgun and larger firearm discharge (X94)
firearm discharge involving legal intervention (Y35.0-)
firearm discharge involving military or war operations (Y36.4-)
intentional self-harm by rifle, shotgun and larger firearm discharge (X73)
The appropriate 7th character is to be added to each code from category W33
  A  initial encounter
  D  subsequent encounter
  S  sequela

W33.0 Accidental rifle, shotgun and larger firearm discharge
  W33.00 Accidental discharge of unspecified larger firearm
  Discharge of unspecified larger firearm NOS
  W33.01 Accidental discharge of shotgun
  Discharge of shotgun NOS
  W33.02 Accidental discharge of hunting rifle
  Discharge of hunting rifle NOS
  W33.03 Accidental discharge of machine gun
  Discharge of machine gun NOS
  W33.09 Accidental discharge of other larger firearm
  Discharge of other larger firearm NOS

W33.1 Accidental rifle, shotgun and larger firearm malfunction
Injury due to explosion of rifle, shotgun and larger firearm (parts)
Injury due to malfunction of mechanism or component of rifle, shotgun and larger firearm
Injury due to piercing, cutting, crushing or pinching due to (by) slide trigger mechanism, scope or other gun part
Injury due to recoil of rifle, shotgun and larger firearm
Powder burn from rifle, shotgun and larger firearm
  W33.10 Accidental malfunction of unspecified larger firearm
  Malfunction of unspecified larger firearm NOS
  W33.11 Accidental malfunction of shotgun
  Malfunction of shotgun NOS
  W33.12 Accidental malfunction of hunting rifle
  Malfunction of hunting rifle NOS
  W33.13 Accidental malfunction of machine gun
  Malfunction of machine gun NOS
  W33.19 Accidental malfunction of other larger firearm
  Malfunction of other larger firearm NOS

W34 Accidental discharge and malfunction from other and unspecified firearms and guns
The appropriate 7th character is to be added to each code from category W34
  A  initial encounter
  D  subsequent encounter
W34.0 Accidental discharge from other and unspecified firearms and guns
  W34.00 Accidental discharge from unspecified firearms or gun
    Discharge from firearm NOS
    Gunshot wound NOS
    Shot NOS
    W34.01 Accidental discharge of gas, air or spring-operated guns
    W34.010 Accidental discharge of airgun
    W34.011 Accidental discharge of paintball gun
    W34.018 Accidental discharge of other gas, air or spring-operated gun
  W34.09 Accidental discharge from other specified firearms
    Accidental discharge from Very pistol [flare]
W34.1 Accidental malfunction from other and unspecified firearms and guns
  W34.10 Accidental malfunction from unspecified firearms or gun
    Firearm malfunction NOS
    W34.11 Accidental malfunction of gas, air or spring-operated guns
    W34.110 Accidental malfunction of airgun
    W34.111 Accidental malfunction of paintball gun
    W34.118 Accidental malfunction of other gas, air or spring-operated gun
  W34.19 Accidental malfunction from other specified firearms
    Accidental malfunction from Very pistol [flare]

W35 Explosion and rupture of boiler
  Excludes1: explosion and rupture of boiler on watercraft (V93.4)
  The appropriate 7th character is to be added to code W35
    A initial encounter
    D subsequent encounter
    S sequela

W36 Explosion and rupture of gas cylinder
  The appropriate 7th character is to be added to each code from category W36
    A initial encounter
    D subsequent encounter
    S sequela
  W36.1 Explosion and rupture of aerosol can
  W36.2 Explosion and rupture of air tank
W36.3 Explosion and rupture of pressurized-gas tank
W36.8 Explosion and rupture of other gas cylinder
W36.9 Explosion and rupture of unspecified gas cylinder

W37 Explosion and rupture of pressurized tire, pipe or hose
The appropriate 7th character is to be added to each code from category W37
  A initial encounter
  D subsequent encounter
  S sequela
W37.0 Explosion of bicycle tire
W37.8 Explosion and rupture of other pressurized tire, pipe or hose

W38 Explosion and rupture of other specified pressurized devices
The appropriate 7th character is to be added to code W38
  A initial encounter
  D subsequent encounter
  S sequela

W39 Discharge of firework
The appropriate 7th character is to be added to code W39
  A initial encounter
  D subsequent encounter
  S sequela

W40 Explosion of other materials
Excludes1: assault by explosive material (X96)
  explosion involving legal intervention (Y35.1-)
  explosion involving military or war operations (Y36.0-, Y36.2-)
  intentional self-harm by explosive material (X75)
The appropriate 7th character is to be added to each code from category W40
  A initial encounter
  D subsequent encounter
  S sequela
W40.0 Explosion of blasting material
  Explosion of blasting cap
  Explosion of detonator
  Explosion of dynamite
  Explosion of explosive (any) used in blasting operations
W40.1 Explosion of explosive gases
  Explosion of acetylene
  Explosion of butane
  Explosion of coal gas
  Explosion in mine NOS
  Explosion of explosive gas
  Explosion of fire damp
  Explosion of gasoline fumes
Explosion of methane
Explosion of propane

**W40.8 Explosion of other specified explosive materials**
- Explosion in dump NOS
- Explosion in factory NOS
- Explosion in grain store
- Explosion in munitions
- Excludes 1: explosion involving legal intervention (Y35.1-)
  - explosion involving military or war operations (Y36.0-, Y36.2-)

**W40.9 Explosion of unspecified explosive materials**
- Explosion NOS

Category W41 deactivated. See subcategory T70.4

**W42 Exposure to noise**
The appropriate 7th character is to be added to each code from category W42
- **A** initial encounter
- **D** subsequent encounter
- **S** sequela

- **W42.0 Exposure to supersonic waves**
- **W42.9 Exposure to other noise**
  - Exposure to sound waves NOS

Category W43 deactivated. See subcategory T75.2

Category W44 deactivated. See categories T15-T19

**W45 Foreign body or object entering through skin**
Excludes 2: contact with hand tools (nonpowered) (powered) (W27-W29)
  - contact with knife, sword or dagger (W26. -)
  - contact with sharp glass (W25. -)
  - struck by objects (W20-W22)
The appropriate 7th character is to be added to each code from category W45
- **A** initial encounter
- **D** subsequent encounter
- **S** sequela

- **W45.0 Nail entering through skin**
- **W45.1 Paper entering through skin**
  - Paper cut
- **W45.2 Lid of can entering through skin**
- **W45.8 Other foreign body or object entering through skin**
  - Splinter in skin NOS

**W46 Contact with hypodermic needle**
The appropriate 7th character is to be added to each code from category W46
- **A** initial encounter
- **D** subsequent encounter
S sequela

W46.0 Contact with hypodermic needle
    Hypodermic needle stick NOS

W46.1 Contact with contaminated hypodermic needle

W49 Exposure to other inanimate mechanical forces
    Includes: exposure to abnormal gravitational [G] forces
              exposure to inanimate mechanical forces NEC
    Excludes1: exposure to inanimate mechanical forces involving military or war
               operations (Y36.-, Y37.-)
    The appropriate 7th character is to be added to each code from category W49
        A initial encounter
        D subsequent encounter
        S sequela
    W49.0 Item causing external constriction
        W49.01 Hair causing external constriction
        W49.02 String or thread causing external constriction
        W49.03 Rubber band causing external constriction
        W49.04 Ring or other jewelry causing external constriction
        W49.05 Other item causing external constriction
    W49.9 Exposure to other inanimate mechanical forces

Exposure to animate mechanical forces (W50-W64)
    Excludes1: Toxic effect of contact with venomous animals and plants (T63.-)

W50 Accidental hit, strike, kick, twist, bite or scratch by another person
    Includes: Hit, strike, kick, twist, bite, or scratch by another person NOS
    Excludes1: assault by bodily force (Y04)
               struck by objects (W20-W22)
    The appropriate 7th character is to be added to each code from category W50
        A initial encounter
        D subsequent encounter
        S sequela
    W50.0 Accidental hit or strike by another person
        Hit or strike by another person NOS
    W50.1 Accidental kick by another person
        Kick by another person NOS
    W50.2 Accidental twist by another person
        Twist by another person NOS
    W50.3 Accidental bite by another person
        Human bite
        Bite by another person NOS
    W50.4 Accidental scratch by another person
        Scratch by another person NOS
W51 Accidental striking against or bumped into by another person
Excludes1: assault by striking against or bumping into by another person (Y08.2-)
fall due to collision with another person (W03)
The appropriate 7th character is to be added to code W51
   A initial encounter
   D subsequent encounter
   S sequela

W52 Crushed, pushed or stepped on by crowd or human stampede
Crushed, pushed or stepped on by crowd or human stampede with or without fall
The appropriate 7th character is to be added to code W52
   A initial encounter
   D subsequent encounter
   S sequela

W53 Contact with rodent
Contact with saliva, feces or urine of rodent
The appropriate 7th character is to be added to each code from category W53
   A initial encounter
   D subsequent encounter
   S sequela
W53.0 Contact with mouse
   W53.01 Bitten by mouse
   W53.09 Other contact with mouse
W53.1 Contact with rat
   W53.11 Bitten by rat
   W53.19 Other contact with rat
W53.2 Contact with squirrel
   W53.21 Bitten by squirrel
   W53.29 Other contact with squirrel
W53.8 Contact with other rodent
   W53.81 Bitten by other rodent
   W53.89 Other contact with other rodent

W54 Contact with dog
Contact with saliva, feces or urine of dog
The appropriate 7th character is to be added to each code from category W54
   A initial encounter
   D subsequent encounter
   S sequela
W54.0 Bitten by dog
W54.1 Struck by dog
   Knocked over by dog
W54.8 Other contact with dog
W55 Contact with other mammals
Contact with saliva, feces or urine of mammal
Excludes: animal being ridden- see transport accidents
  bitten or struck by dog (W54)
  bitten or struck by rodent (W53.-)
  contact with marine mammals (W56.x-)
The appropriate 7th character is to be added to each code from category W55
  A initial encounter
  D subsequent encounter
  S sequela
W55.0 Contact with cat
  W55.01 Bitten by cat
  W55.03 Scratched by cat
  W55.09 Other contact with cat
W55.1 Contact with horse
  W55.11 Bitten by horse
  W55.12 Struck by horse
  W55.19 Other contact with horse
W55.2 Contact with cow
  Contact with bull
  W55.21 Bitten by cow
  W55.22 Struck by cow
    Gored by bull
  W55.29 Other contact with cow
W55.3 Contact with other hoof stock
  Contact with goats
  Contact with sheep
  W55.31 Bitten by other hoof stock
  W55.32 Struck by other hoof stock
    Gored by goat
    Gored by ram
  W55.39 Other contact with other hoof stock
W55.4 Contact with pig
  W55.41 Bitten by pig
  W55.42 Struck by pig
  W55.49 Other contact with pig
W55.5 Contact with raccoon
  W55.51 Bitten by raccoon
  W55.52 Struck by raccoon
  W55.59 Other contact with raccoon
W55.8 Contact with other mammals
  W55.81 Bitten by other mammals
  W55.82 Struck by other mammals
  W55.89 Other contact with other mammals

W56 Contact with nonvenomous marine animal
Excludes1: contact with venomous marine animal (T63.-)
The appropriate 7th character is to be added to each code from category W56
    A  initial encounter
    D  subsequent encounter
    S  sequela

W56.0 Contact with dolphin
    W56.01 Bitten by dolphin
    W56.02 Struck by dolphin
    W56.09 Other contact with dolphin

W56.1 Contact with sea lion
    W56.11 Bitten by sea lion
    W56.12 Struck by sea lion
    W56.19 Other contact with sea lion

W56.2 Contact with orca
    Contact with killer whale
    W56.21 Bitten by orca
    W56.22 Struck by orca
    W56.29 Other contact with orca

W56.3 Contact with other marine mammals
    W56.31 Bitten by other marine mammals
    W56.32 Struck by other marine mammals
    W56.39 Other contact with other marine mammals

W56.4 Contact with shark
    W56.41 Bitten by shark
    W56.42 Struck by shark
    W56.49 Other contact with shark

W56.5 Contact with other fish
    W56.51 Bitten by other fish
    W56.52 Struck by other fish
    W56.59 Other contact with other fish

W56.8 Contact with other nonvenomous marine animals
    W56.81 Bitten by other nonvenomous marine animals
    W56.82 Struck by other nonvenomous marine animals
    W56.89 Other contact with other nonvenomous marine animals

W57 Bitten or stung by nonvenomous insect and other nonvenomous arthropods
Excludes1: contact with venomous insects and arthropods (T63.2-, T63.3-, T63.4-)
The appropriate 7th character is to be added to code W57
    A  initial encounter
    D  subsequent encounter
    S  sequela

W58 Contact with crocodile or alligator
The appropriate 7th character is to be added to each code from category W58
    A  initial encounter
    D  subsequent encounter
S sequela

W58 Contact with alligator
W58.01 Bitten by alligator
W58.02 Struck by alligator
W58.03 Crushed by alligator

W58.1 Contact with crocodile
W58.11 Bitten by crocodile
W58.12 Struck by crocodile
W58.13 Crushed by crocodile

W59 Contact with other nonvenomous reptiles
Excludes1: contact with venomous reptile (T63.0-, T63.1-)
The appropriate 7th character is to be added to each code from category W59
A initial encounter
D subsequent encounter
S sequela

W59.0 Contact with nonvenomous lizards
W59.01 Bitten by nonvenomous lizards
W59.02 Struck by nonvenomous lizards
W59.09 Other contact with nonvenomous lizards
   Exposure to nonvenomous lizards

W59.1 Contact with nonvenomous snakes
W59.11 Bitten by nonvenomous snake
W59.12 Struck by nonvenomous snake
W59.13 Crushed by nonvenomous snake
W59.19 Other contact with nonvenomous snake

W59.2 Contact with turtles
Excludes1: contact with tortoises (W59.8-)
W59.21 Bitten by turtle
W59.22 Struck by turtle
W59.29 Other contact with turtle
   Exposure to turtles

W59.8 Contact with other nonvenomous reptiles
W59.81 Bitten by other nonvenomous reptiles
W59.82 Struck by other nonvenomous reptiles
W59.83 Crushed by other nonvenomous reptiles
W59.89 Other contact with other nonvenomous reptiles

W60 Contact with nonvenomous plant thorns and spines and sharp leaves
Excludes1: Contact with venomous plants (T63.x-)
The appropriate 7th character is to be added to code W60
A initial encounter
D subsequent encounter
S sequela

W61 Contact with birds (domestic) (wild)
Contact with excreta of birds
The appropriate 7th character is to be added to each code from category W61

A initial encounter
D subsequent encounter
S sequela

**W61.0 Contact with parrot**
W61.01 Bitten by parrot
W61.02 Struck by parrot
W61.09 Other contact with parrot
Exposure to parrots

**W61.1 Contact with macaw**
W61.11 Bitten by macaw
W61.12 Struck by macaw
W61.19 Other contact with macaw
Exposure to macaws

**W61.2 Contact with other psittacines**
W61.21 Bitten by other psittacines
W61.22 Struck by other psittacines
W61.29 Other contact with other psittacines
Exposure to other psittacines

**W61.3 Contact with chicken**
W61.31 Bitten by chicken
W61.32 Struck by chicken
W61.33 Pecked by chicken
W61.39 Other contact with chicken
Exposure to chickens

**W61.4 Contact with turkey**
W61.41 Bitten by turkey
W61.42 Struck by turkey
W61.43 Pecked by turkey
W61.49 Other contact with turkey

**W61.5 Contact with goose**
W61.51 Bitten by goose
W61.52 Struck by goose
W61.59 Other contact with goose

**W61.6 Contact with duck**
W61.61 Bitten by duck
W61.62 Struck by duck
W61.69 Other contact with duck

**W61.9 Contact with other birds**
W61.91 Bitten by other birds
W61.92 Struck by other birds
W61.99 Other contact with other birds

**W62 Contact with nonvenomous amphibians**
Excludes1: contact with venomous amphibians (T63.81-R63.83)
The appropriate 7th character is to be added to each code from category W62
A initial encounter
D subsequent encounter
S sequela

W62.0 Contact with nonvenomous frogs
W62.1 Contact with nonvenomous toads
W62.9 Contact with other nonvenomous amphibia

W64 Exposure to other animate mechanical forces
Exposure to nonvenomous animal NOS
Excludes1: contact with venomous animal (T63.-)
The appropriate 7th character is to be added to code W64
A initial encounter
D subsequent encounter
S sequela

Accidental non-transport drowning and submersion (W65-W74)

Excludes1: accidental drowning and submersion due to fall into water (W16.-)
accidental drowning and submersion due to water transport accident (V90.-, V92.-)
Excludes2: accidental drowning and submersion due to cataclysm (X34-X39)

W65 Accidental drowning and submersion while in bath-tub
Excludes1: accidental drowning and submersion due to fall into bathtub (W16.211)
The appropriate 7th character is to be added to code W65
A initial encounter
D subsequent encounter
S sequela

Category W66 deactivated. See category W16.

W67 Accidental drowning and submersion while in swimming-pool
Excludes1: accidental drowning and submersion due to fall into swimming pool (W16.011, W16.021, W16.031)
accidental drowning and submersion due to striking into wall of swimming pool (W22.041)
The appropriate 7th character is to be added to code W67
A initial encounter
D subsequent encounter
S sequela

Category W68 deactivated. See category W16.

W69 Accidental drowning and submersion while in natural water
Includes: accidental drowning and submersion while in lake
accidental drowning and submersion while in open sea
accidental drowning and submersion while in river
accidental drowning and submersion while in stream
Excludes1: accidental drowning and submersion due to fall into natural body of water (W16.111, W16.121, W16.131)
The appropriate 7th character is to be added to code W69
  A initial encounter
  D subsequent encounter
  S sequela

Category W70 deactivated. See category W16.

**W73 Other specified cause of accidental non-transport drowning and submersion**
Includes: accidental drowning and submersion while in quenching tank
accidental drowning and submersion while in reservoir
Excludes1: accidental drowning and submersion due to fall into other water
The appropriate 7th character is to be added to code W73
  A initial encounter
  D subsequent encounter
  S sequela

**W74 Unspecified cause of accidental drowning and submersion**
Includes: drowning NOS
The appropriate 7th character is to be added to code W74
  A initial encounter
  D subsequent encounter
  S sequela

Categories W75-W77 deactivated. See category T71
Category W78 deactivated. See subcategory T17.81
Categories W79-W80 deactivated. See categories T17 and T18
Category W81 deactivated. See subcategory T71.2
Category W83 deactivated. See category T71
Category W84 deactivated. See subcategory T71.9

**Exposure to electric current, radiation and extreme ambient air temperature and pressure (W85-W99)**
Excludes1: exposure to:
  failure in dosage of radiation or temperature during surgical and medical care
  (Y63.2-Y63.5)
lighning (T75.0-)
natural cold (X31)
natural heat (X30)
natural radiation NOS (X39)
radiological procedure and radiotherapy (Y84.2)
sunlight (X32)

**W85 Exposure to electric transmission lines**
Includes: Broken power line
The appropriate 7th character is to be added to code W85
- A initial encounter
- D subsequent encounter
- S sequela

**W86 Exposure to other specified electric current**
The appropriate 7th character is to be added to each code from category W86
- A initial encounter
- D subsequent encounter
- S sequela

**W86.0 Exposure to domestic wiring and appliances**

**W86.1 Exposure to industrial wiring, appliances and electrical machinery**
- Exposure to conductors
- Exposure to control apparatus
- Exposure to electrical equipment and machinery
- Exposure to transformers

**W86.8 Exposure to other electric current**
- Exposure to wiring and appliances in or on farm (not farmhouse)
- Exposure to wiring and appliances outdoors
- Exposure to wiring and appliances in or on public building
- Exposure to wiring and appliances in or on residential institutions
- Exposure to wiring and appliances in or on schools

Category W87 deactivated. See category W86

**W88 Exposure to ionizing radiation**
Excludes1: exposure to sunlight (X32)
The appropriate 7th character is to be added to each code from category W88
- A initial encounter
- D subsequent encounter
- S sequela

**W88.0 Exposure to X-rays**

**W88.1 Exposure to radioactive isotopes**

**W88.8 Exposure to other ionizing radiation**

**W89 Exposure to man-made visible and ultraviolet light**
Includes: exposure to welding light (arc)
Excludes2: exposure to sunlight (X32)
The appropriate 7th character is to be added to each code from category W89
A initial encounter  
D subsequent encounter  
S sequela  

W89.0 Exposure to welding light (arc)  
W89.1 Exposure to tanning bed  
W89.8 Exposure to other man-made visible and ultraviolet light  
W89.9 Exposure to unspecified man-made visible and ultraviolet light  

W90 Exposure to other nonionizing radiation  
Excludes1: exposure to sunlight (X32)  
The appropriate 7th character is to be added to each code from category W90  
A initial encounter  
D subsequent encounter  
S sequela  

W90.0 Exposure to radiofrequency  
W90.1 Exposure to infrared radiation  
W90.2 Exposure to laser radiation  
W90.8 Exposure to other nonionizing radiation  

Category W91 deactivated. See category W90  

W92 Exposure to excessive heat of man-made origin  
The appropriate 7th character is to be added to code W92  
A initial encounter  
D subsequent encounter  
S sequela  

W93 Exposure to excessive cold of man-made origin  
The appropriate 7th character is to be added to each code from category W93  
A initial encounter  
D subsequent encounter  
S sequela  

W93.0 Contact with or inhalation of dry ice  
W93.01 Contact with dry ice  
W93.02 Inhalation of dry ice  
W93.1 Contact with or inhalation of liquid air  
W93.11 Contact with liquid air  
Contact with liquid hydrogen  
Contact with liquid nitrogen  
W93.12 Inhalation of liquid air  
Inhalation of liquid hydrogen  
Inhalation of liquid nitrogen  
W93.2 Prolonged exposure in deep freeze unit or refrigerator  
W93.8 Exposure to other excessive cold of man-made origin  

W94 Exposure to high and low air pressure and changes in air pressure
The appropriate 7th character is to be added to each code from category W94
   A initial encounter
   D subsequent encounter
   S sequela

W94.0 Exposure to prolonged high air pressure
W94.1 Exposure to prolonged low air pressure
   W94.11 Exposure to residence or prolonged visit at high altitude
   W94.12 Exposure to other prolonged low air pressure
W94.2 Exposure to rapid changes in air pressure during ascent
   W94.21 Exposure to reduction in atmospheric pressure while surfacing from deep-water diving
   W94.22 Exposure to reduction in atmospheric pressure while surfacing from underground
   W94.23 Exposure to sudden change in air pressure in aircraft during ascent
   W94.29 Exposure to other rapid changes in air pressure during ascent
W94.3 Exposure to rapid changes in air pressure during descent
   W94.31 Exposure to sudden change in air pressure in aircraft during ascent or descent
   W94.32 Exposure to high air pressure from rapid descent in water
   W94.39 Exposure to other rapid changes in air pressure during descent

W99 Exposure to other man-made environmental factors
   The appropriate 7th character is to be added to code W99
   A initial encounter
   D subsequent encounter
   S sequela

Exposure to smoke, fire and flames (X00-X08)

Excludes1: arson (X97)
Excludes2: explosions (W35-W40)
   lightning (T75.0-)
   transport accident (V01-V99)

X00 Exposure to uncontrolled fire in building or structure
   Includes: Conflagration in building or structure
   Code first any associated cataclysm
   Excludes2: Exposure to ignition or melting of nightwear (X05)
   Exposure to ignition or melting of other clothing and apparel
   (JL: Jump,"X06">X06-)
   Exposure to other specified smoke, fire and flames (X08-)
   The appropriate 7th character is to be added to each code from category X00
A initial encounter  
D subsequent encounter  
S sequela 

X00.0 Exposure to flames in uncontrolled fire in building or structure  
X00.1 Exposure to smoke in uncontrolled fire in building or structure  
X00.2 Injury due to collapse of burning building or structure in uncontrolled fire  
   Excludes1: injury due to collapse of building not on fire (W20.1)  
X00.3 Fall from burning building or structure in uncontrolled fire  
X00.4 Hit by object from burning building or structure in uncontrolled fire  
X00.5 Jump from burning building or structure in uncontrolled fire  
X00.8 Other exposure to uncontrolled fire in building or structure  

X00.0 Exposure to flames in uncontrolled fire in building or structure  
X00.1 Exposure to smoke in uncontrolled fire in building or structure  
X00.2 Injury due to collapse of burning building or structure in uncontrolled fire  
   Excludes1: injury due to collapse of building not on fire (W20.1)  
X00.3 Fall from burning building or structure in uncontrolled fire  
X00.4 Hit by object from burning building or structure in uncontrolled fire  
X00.5 Jump from burning building or structure in uncontrolled fire  
X00.8 Other exposure to uncontrolled fire in building or structure  

X01 Exposure to uncontrolled fire, not in building or structure  
Exposure to forest fire  
The appropriate 7th character is to be added to each code from category X01  
   A initial encounter  
   D subsequent encounter  
   S sequela  
X01.0 Exposure to flames in uncontrolled fire, not in building or structure  
X01.1 Exposure to smoke in uncontrolled fire, not in building or structure  
X01.3 Fall due to uncontrolled fire, not in building or structure  
X01.4 Hit by object due to uncontrolled fire, not in building or structure  
X01.8 Other exposure to uncontrolled fire, not in building or structure  

X02 Exposure to controlled fire in building or structure  
Includes: exposure to fire in fireplace  
   exposure to fire in stove  
The appropriate 7th character is to be added to each code from category X02  
   A initial encounter  
   D subsequent encounter  
   S sequela  
X02.0 Exposure to flames in controlled fire in building or structure  
X02.1 Exposure to smoke in controlled fire in building or structure  
X02.2 Injury due to collapse of burning building or structure in controlled fire  
   Excludes1: injury due to collapse of building not on fire (W20.1)  
X02.3 Fall from burning building or structure in controlled fire  
X02.4 Hit by object from burning building or structure in controlled fire  
X02.5 Jump from burning building or structure in controlled fire  
X02.8 Other exposure to controlled fire in building or structure  

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**X03  Exposure to controlled fire, not in building or structure**
Includes: exposure to bon fire
- exposure to camp-fire
- exposure to trash fire
The appropriate 7th character is to be added to each code from category X03
- A initial encounter
- D subsequent encounter
- S sequela

**X03.0  Exposure to flames in controlled fire, not in building or structure**

**X03.1  Exposure to smoke in controlled fire, not in building or structure**

**X03.3  Fall due to controlled fire, not in building or structure**

**X03.4  Hit by object due to controlled fire, not in building or structure**

**X03.8  Other exposure to controlled fire, not in building or structure**

**X04  Exposure to ignition of highly flammable material**
Includes: exposure to ignition of gasoline
- exposure to ignition of kerosene
- exposure to ignition of petrol
Excludes2: exposure to ignition or melting of nightwear (X05)
- exposure to ignition or melting of other clothing and apparel (X06)
The appropriate 7th character is to be added to code X04
- A initial encounter
- D subsequent encounter
- S sequela

**X05  Exposure to ignition or melting of nightwear**
Excludes2: exposure to uncontrolled fire in building or structure (X00.-)
- exposure to uncontrolled fire, not in building or structure (X01.-)
- exposure to controlled fire in building or structure (X02.-)
- exposure to controlled fire, not in building or structure (X03.-)
- exposure to ignition of highly flammable materials (X04.-)
The appropriate 7th character is to be added to code X05
- A initial encounter
- D subsequent encounter
- S sequela

**X06  Exposure to ignition or melting of other clothing and apparel**
Excludes2: exposure to uncontrolled fire in building or structure (X00.-)
- exposure to uncontrolled fire, not in building or structure (X01.-)
- exposure to controlled fire in building or structure (X02.-)
- exposure to controlled fire, not in building or structure (X03.-)
- exposure to ignition of highly flammable materials (X04.-)
The appropriate 7th character is to be added to each code from category X06
- A initial encounter
D subsequent encounter
S sequela

**X06.0** Exposure to ignition of plastic jewelry
**X06.1** Exposure to melting of plastic jewelry
**X06.2** Exposure to ignition of other clothing and apparel
**X06.3** Exposure to melting of other clothing and apparel

**X08** Exposure to other specified smoke, fire and flames
The appropriate 7th character is to be added to each code from category X08
A initial encounter
D subsequent encounter
S sequela

**X08.0** Exposure to bed fire
Exposure to mattress fire
**X08.00** Exposure to bed fire due to unspecified burning material
**X08.01** Exposure to bed fire due to burning cigarette
**X08.09** Exposure to bed fire due to other burning material

**X08.1** Exposure to sofa fire
**X08.10** Exposure to sofa fire due to unspecified burning material
**X08.11** Exposure to sofa fire due to burning cigarette
**X08.19** Exposure to sofa fire due to other burning material

**X08.2** Exposure to other furniture fire
**X08.20** Exposure to other furniture fire due to unspecified burning material
**X08.21** Exposure to other furniture fire due to burning cigarette
**X08.29** Exposure to other furniture fire due to other burning material

**X08.8** Exposure to other specified smoke, fire and flames

Category X09 deactivated. See category X08

**Contact with heat and hot substances (X10-X19)**

Excludes1: exposure to excessive natural heat (X30)
exposure to fire and flames (X00-X09)

**X10** Contact with hot drinks, food, fats and cooking oils
The appropriate 7th character is to be added to each code from category X10
A initial encounter
D subsequent encounter
S sequela

**X10.0** Contact with hot drinks
**X10.1** Contact with hot food
**X10.2** Contact with fats and cooking oils
X11 Contact with hot tap-water
Contact with boiling tap-water
Contact with boiling water NOS
Excludes1: contact with water heated on stove (X12)
The appropriate 7th character is to be added to each code from category X11
  A initial encounter
  D subsequent encounter
  S sequela
X11.0 Contact with hot water in bath or tub
  Excludes1: contact with running hot water in bath or tub (X11.1)
X11.1 Contact with running hot water
  Contact with hot water running out of hose
  Contact with hot water running out of tap
X11.8 Contact with other hot tap-water
  Contact with hot water in bucket
  Contact with hot tap-water NOS

X12 Contact with other hot fluids
Includes: Contact with water heated on stove
Excludes1: hot (liquid) metals (X18)
The appropriate 7th character is to be added to code X12
  A initial encounter
  D subsequent encounter
  S sequela

X13 Contact with steam and other hot vapors
The appropriate 7th character is to be added to each code from category X13
  A initial encounter
  D subsequent encounter
  S sequela
X13.0 Inhalation of steam and other hot vapors
X13.1 Other contact with steam and other hot vapors

X14 Contact with hot air and other hot gases
The appropriate 7th character is to be added to each code from category X14
  A initial encounter
  D subsequent encounter
  S sequela
X14.0 Inhalation of hot air and gases
X14.1 Other contact with hot air and other hot gases

X15 Contact with hot household appliances
Excludes1: contact with heating appliances (X16)
  contact with powered household appliances (W29.-)
  exposure to controlled fire in building or structure due to household appliance (X02.8)
  exposure to household appliances electrical current (W86.0)
The appropriate 7th character is to be added to each code from category X15

A initial encounter
D subsequent encounter
S sequela

X15.0 Contact with hot stove (kitchen)
X15.1 Contact with hot toaster
X15.2 Contact with hotplate
X15.3 Contact with hot saucepan or skillet
X15.8 Contact with other hot household appliances
  Contact with cooker
  Contact with kettle
  Contact with light bulbs

X16 Contact with hot heating appliances, radiators and pipes
Excludes1: contact with powered appliances (W29.−)
  exposure to controlled fire in building or structure due to appliance (X02.8)
  exposure to industrial appliances electrical current (W86.1)
The appropriate 7th character is to be added to code X16
A initial encounter
D subsequent encounter
S sequela

X17 Contact with hot engines, machinery and tools
Excludes1: contact with hot heating appliances, radiators and pipes (X16)
  contact with hot household appliances (X15)
The appropriate 7th character is to be added to code X17
A initial encounter
D subsequent encounter
S sequela

X18 Contact with other hot metals
Includes: contact with liquid metal
The appropriate 7th character is to be added to code X18
A initial encounter
D subsequent encounter
S sequela

X19 Contact with other heat and hot substances
Excludes1: objects that are not normally hot, e.g., an object made hot by a house fire (X00-X09)
The appropriate 7th character is to be added to code X19
A initial encounter
D subsequent encounter
S sequela

Categories X20-X29 deactivated. See category T63
Exposure to forces of nature (X30-X39)

**X30 Exposure to excessive natural heat**
Includes: exposure to excessive heat as the cause of sunstroke
exposure to heat NOS
Excludes1: excessive heat of man-made origin (W92)
exposure to man-made radiation (W89)
exposure to sunlight (X32)
exposure to tanning bed (W89)
The appropriate 7th character is to be added to code X30
A initial encounter
D subsequent encounter
S sequela

**X31 Exposure to excessive natural cold**
Includes: excessive cold as the cause of chilblains NOS
excessive cold as the cause of immersion foot or hand
exposure to cold NOS
exposure to weather conditions
Excludes1: cold of man-made origin (W93.-)
contact with or inhalation of:
dry ice (W93.-)
liquefied gas (W93.-)
The appropriate 7th character is to be added to code X31
A initial encounter
D subsequent encounter
S sequela

**X32 Exposure to sunlight**
Excludes1: radiation-related disorders of the skin and subcutaneous tissue (L55-L59)
man-made radiation (tanning bed) (W89)
The appropriate 7th character is to be added to code X32
A initial encounter
D subsequent encounter
S sequela

**X34 Earthquake**
Excludes2: tidal wave (tsunami) due to earthquake (X37.41)
The appropriate 7th character is to be added to code X34
A initial encounter
D subsequent encounter
S sequela

**X35 Volcanic eruption**
Excludes2: tidal wave (tsunami) due to volcanic eruption (X37.41)
The appropriate 7th character is to be added to code X35
   A  initial encounter
   D  subsequent encounter
   S  sequela

X36  Avalanche, landslide and other earth movements
Includes:  victim of mudslide of cataclysmic nature
Excludes1: earthquake (X34)
Excludes2: transport accident involving collision with avalanche or landslide not in motion (V01-V99)

The appropriate 7th character is to be added to each code from category X36
   A  initial encounter
   D  subsequent encounter
   S  sequela

X36.0 Collapse of dam or man-made structure causing earth movement
X36.1 Avalanche, landslide, or mudslide

X37  Cataclysmic storm
The appropriate 7th character is to be added to each code from category X37
   A  initial encounter
   D  subsequent encounter
   S  sequela

X37.0 Hurricane
   Storm surge
   Typhoon

X37.1 Tornado
   Cyclone
   Twister

X37.2 Blizzard (snow)(ice)

X37.3 Dust storm

X37.4 Tidalwave
   X37.41 Tidal wave due to earthquake or volcanic eruption
      Tidal wave NOS
      Tsunami
   X37.42 Tidal wave due to storm
   X37.43 Tidal wave due to landslide

X37.8 Other cataclysmic storms
   Cloudburst
   Torrential rain
   Excludes2: flood (X38)

X37.9 Unspecified cataclysmic storm
   Storm NOS
   Excludes1: collapse of dam or man-made structure causing earth movement (X39.0)

X38  Flood
Includes:  
flood arising from remote storm  
flood of cataclysmic nature arising from melting snow  
flood resulting directly from storm
Excludes1: collapse of dam or man-made structure causing earth movement  
(X39.0)  
tidal wave NOS (X39.2)  
tidal wave caused by storm (X37.2)
The appropriate 7th character is to be added to code X38  
A  initial encounter  
D  subsequent encounter  
S  sequela

**X39  Exposure to other forces of nature**

The appropriate 7th character is to be added to each code from category X39  
A  initial encounter  
D  subsequent encounter  
S  sequela

**X39.0 Exposure to natural radiation**

Excludes1: contact with and (suspected) exposure to radon and other  
naturally occuring radiation (Z77.122)  
exposure to man-made radiation (W88-W90)  
exposure to sunlight (X32)

**X39.01 Exposure to radon**  
**X39.08 Exposure to other natural radiation**  
**X39.8 Other exposure to forces of nature**

Categories X40-X49 deactivated. See categories T36-T65 with fifth or sixth character 1

Categories X50-X51 deactivated. See category Y93

**Accidental exposure to other specified factors (X52, X58)**

**X52  Prolonged stay in weightless environment**

Includes:  
weightlessness in spacecraft (simulator)
The appropriate 7th character is to be added to code X52  
A  initial encounter  
D  subsequent encounter  
S  sequela

Category X53 deactivated. See subcategory T73.0

Category X54 deactivated. See subcategory T73.1

Category X57 deactivated. See subcategory T73.9

**X58  Exposure to other specified factors**
Includes: accident NOS
exposure NOS
The appropriate 7th character is to be added to code X58
A initial encounter
D subsequent encounter
S sequela

**Intentional self-harm (X71-X83)**

Includes: purposely self-inflicted injury
suicide (attempted)

Categories X60-X69 deactivated. See categories T36-T65 with fifth or sixth character 2

Category X70 deactivated. See category T71

**X71 Intentional self-harm by drowning and submersion**
The appropriate 7th character is to be added to each code from category X71
A initial encounter
D subsequent encounter
S sequela

X71.0 Intentional self-harm by drowning and submersion while in bathtub
X71.1 Intentional self-harm by drowning and submersion while in swimming pool
X71.2 Intentional self-harm by drowning and submersion after jump into swimming pool
X71.3 Intentional self-harm by drowning and submersion in natural water
X71.8 Other intentional self-harm by drowning and submersion
X71.9 Intentional self-harm by drowning and submersion, unspecified

**X72 Intentional self-harm by handgun discharge**
Includes: intentional self-harm by gun for single hand use
intentional self-harm by pistol
intentional self-harm by revolver
Excludes1: Very pistol (X74.8)
The appropriate 7th character is to be added to code X72
A initial encounter
D subsequent encounter
S sequela

**X73 Intentional self-harm by rifle, shotgun and larger firearm discharge**
Excludes1: airgun (X74.01)
The appropriate 7th character is to be added to each code from category X73
A initial encounter
D subsequent encounter
S sequela

X73.0 Intentional self-harm by shotgun discharge
X73.1 Intentional self-harm by hunting rifle discharge
X73.2 Intentional self-harm by machine gun discharge
X73.8 Intentional self-harm by other larger firearm discharge
X73.9 Intentional self-harm by unspecified larger firearm discharge

X74 Intentional self-harm by other and unspecified firearm and gun discharge
The appropriate 7th character is to be added to each code from category X74
A initial encounter
D subsequent encounter
S sequela

X74.0 Intentional self-harm by gas, air or spring-operated guns
  X74.01 Intentional self-harm by airgun
    Intentional self-harm by BB gun discharge
    Intentional self-harm by pellet gun discharge
  X74.02 Intentional self-harm by paintball gun
  X74.09 Intentional self-harm by other gas, air or spring-operated gun

X74.8 Intentional self-harm by other firearm discharge
  Intentional self-harm by Very pistol [flare] discharge

X74.9 Intentional self-harm by unspecified firearm discharge

X75 Intentional self-harm by explosive material
The appropriate 7th character is to be added to code X75
A initial encounter
D subsequent encounter
S sequela

X76 Intentional self-harm by smoke, fire and flames
The appropriate 7th character is to be added to code X76
A initial encounter
D subsequent encounter
S sequela

X77 Intentional self-harm by steam, hot vapors and hot objects
The appropriate 7th character is to be added to each code from category X77
A initial encounter
D subsequent encounter
S sequela

X77.0 Intentional self-harm by steam or hot vapors
X77.1 Intentional self-harm by hot tap water
X77.2 Intentional self-harm by other hot fluids
X77.3 Intentional self-harm by hot household appliances
X77.8 Intentional self-harm by other hot objects
X77.9 Intentional self-harm by unspecified hot objects

X78 Intentional self-harm by sharp object
The appropriate 7th character is to be added to each code from category X78
  A initial encounter
  D subsequent encounter
  S sequela
X78.0 Intentional self-harm by sharp glass
X78.1 Intentional self-harm by knife
X78.2 Intentional self-harm by sword or dagger
X78.8 Intentional self-harm by other sharp object
X78.9 Intentional self-harm by unspecified sharp object

X79 Intentional self-harm by blunt object
The appropriate 7th character is to be added to code X79
  A initial encounter
  D subsequent encounter
  S sequela

X80 Intentional self-harm by jumping from a high place
Includes: intentional fall from one level to another
The appropriate 7th character is to be added to code X80
  A initial encounter
  D subsequent encounter
  S sequela

X81 Intentional self-harm by jumping or lying in front of moving object
The appropriate 7th character is to be added to each code from category X81
  A initial encounter
  D subsequent encounter
  S sequela
X81.0 Intentional self-harm by jumping or lying in front of motor vehicle
X81.1 Intentional self-harm by jumping or lying in front of (subway) train
X81.8 Intentional self-harm by jumping or lying in front of other moving object

X82 Intentional self-harm by crashing of motor vehicle
The appropriate 7th character is to be added to each code from category X82
  A initial encounter
  D subsequent encounter
  S sequela
X82.0 Intentional collision of motor vehicle with other motor vehicle
X82.1 Intentional collision of motor vehicle with train
X82.2 Intentional collision of motor vehicle with tree
X82.8 Other intentional self-harm by crashing of motor vehicle
X83  Intentional self-harm by other specified means
    Excludes1: intentional self-harm by poisoning or contact with toxic substance - See Table of Drugs and Chemicals
    The appropriate 7th character is to be added to each code from category X83
        A  initial encounter
        D  subsequent encounter
        S  sequela
    X83.0  Intentional self-harm by crashing of aircraft
    X83.1  Intentional self-harm by electrocution
    X83.2  Intentional self-harm by exposure to extremes of cold
    X83.8  Intentional self-harm by other specified means

Category X84 deactivated.  See category T14

Assault (X92-Y08)

Includes:  homicide
    injuries inflicted by another person with intent to injure or kill, by any means
    Excludes1: injuries due to legal intervention (Y35.-)
        injuries due to operations of war (Y36.-)
        injuries due to terrorism (Y38.-)

Categories X85-X90 deactivated.  See categories T36-T65 with fifth or sixth character 3

Category X91 deactivated.  See category T71

X92  Assault by drowning and submersion
    The appropriate 7th character is to be added to each code from category X92
        A  initial encounter
        D  subsequent encounter
        S  sequela
    X92.0  Assault by drowning and submersion while in bathtub
    X92.1  Assault by drowning and submersion while in swimming pool
    X92.2  Assault by drowning and submersion after push into swimming pool
    X92.3  Assault by drowning and submersion in natural water
    X92.8  Other assault by drowning and submersion
    X92.9  Assault by drowning and submersion, unspecified

X93  Assault by handgun discharge
    Includes:  assault by discharge of gun for single hand use
        assault by discharge of pistol
        assault by discharge of revolver
    Excludes1: Very pistol (X95.8)
    The appropriate 7th character is to be added to code X93
        A  initial encounter
        D  subsequent encounter
S sequela

**X94 Assault by rifle, shotgun and larger firearm discharge**
Excludes1: airgun (X95.01)
The appropriate 7th character is to be added to each code from category X94
A initial encounter
D subsequent encounter
S sequela

- X94.0 Assault by shotgun
- X94.1 Assault by hunting rifle
- X94.2 Assault by machine gun
- X94.8 Assault by other larger firearm discharge
- X94.9 Assault by unspecified larger firearm discharge

**X95 Assault by other and unspecified firearm and gun discharge**
The appropriate 7th character is to be added to each code from category X95
A initial encounter
D subsequent encounter
S sequela

- X95.0 Assault by gas, air or spring-operated guns
  - X95.01 Assault by airgun discharge
    - Assault by BB gun discharge
    - Assault by pellet gun discharge
  - X95.02 Assault by paintball gun discharge
  - X95.09 Assault by other gas, air or spring-operated gun
- X95.8 Assault by other firearm discharge
- X95.9 Assault by unspecified firearm discharge

**X96 Assault by explosive material**
Excludes1: incendiary device (X97)
  terrorism involving explosive material (Y38.2-)
The appropriate 7th character is to be added to each code from category X96
A initial encounter
D subsequent encounter
S sequela

- X96.0 Assault by antipersonnel bomb
  Excludes1: antipersonnel bomb use in military or war (Y36.2--)
- X96.1 Assault by gasoline bomb
- X96.2 Assault by letter bomb
- X96.3 Assault by fertilizer bomb
- X96.4 Assault by pipe bomb
- X96.8 Assault by other specified explosive
- X96.9 Assault by unspecified explosive

**X97 Assault by smoke, fire and flames**
Includes: assault by arson
   assault by cigarettes
   assault by incendiary device
The appropriate 7th character is to be added to code X97
   A initial encounter
   D subsequent encounter
   S sequela

**X98 Assault by steam, hot vapors and hot objects**
The appropriate 7th character is to be added to each code from category X98
   A initial encounter
   D subsequent encounter
   S sequela

**X98.0 Assault by steam or hot vapors**
**X98.1 Assault by hot tap water**
**X98.2 Assault by hot fluids**
**X98.3 Assault by hot household appliances**
**X98.8 Assault by other hot objects**
**X98.9 Assault by unspecified hot objects**

**X99 Assault by sharp object**
Excludes1: assault by strike by sports equipment (Y08.0)
The appropriate 7th character is to be added to each code from category X99
   A initial encounter
   D subsequent encounter
   S sequela

**X99.0 Assault by sharp glass**
**X99.1 Assault by knife**
**X99.2 Assault by sword or dagger**
**X99.8 Assault by other sharp object**
**X99.9 Assault by unspecified sharp object**
   Assault by stabbing NOS

**Y00 Assault by blunt object**
Excludes1: assault by strike by sports equipment (Y08.0)
The appropriate 7th character is to be added to code Y00
   A initial encounter
   D subsequent encounter
   S sequela

**Y01 Assault by pushing from high place**
The appropriate 7th character is to be added to code Y01
   A initial encounter
   D subsequent encounter
   S sequela
Y02  Assault by pushing or placing victim in front of moving object
   The appropriate 7th character is to be added to each code from category Y02
       A  initial encounter
       D  subsequent encounter
       S  sequela
   Y02.0  Assault by pushing or placing victim in front of motor vehicle
   Y02.1  Assault by pushing or placing victim in front of (subway) train
   Y02.8  Assault by pushing or placing victim in front of other moving object

Y03  Assault by crashing of motor vehicle
   The appropriate 7th character is to be added to each code from category Y03
       A  initial encounter
       D  subsequent encounter
       S  sequela
   Y03.0  Assault by being hit or run over by motor vehicle
   Y03.8  Other assault by crashing of motor vehicle

Y04  Assault by bodily force
   Excludes1: assault by:
       submersion (X92.-)
       use of weapon (X93-X95, X99, Y00)
   The appropriate 7th character is to be added to each code from category Y04
       A  initial encounter
       D  subsequent encounter
       S  sequela
   Y04.0  Assault by unarmed brawl or fight
   Y04.1  Assault by human bite
   Y04.2  Assault by strike against or bumped into by another person
   Y04.8  Assault by other bodily force
       Assault by bodily force NOS

Category Y05 deactivated.  See subcategories T74.0, T76.0

Category Y06 deactivated.  See subcategories T74.0, T76.0

Y07  Perpetrator of assault, maltreatment and neglect
   Codes from this category are for use only in cases of confirmed abuse (T74.-)
   Selection of the correct perpetrator code is based on the relationship between the
   perpetrator and the victim
   Includes:  perpetrator of abandonment
              perpetrator of emotional neglect
              perpetrator of mental cruelty
              perpetrator of physical abuse
              perpetrator of physical neglect
              perpetrator of sexual abuse
              perpetrator of torture
Y07.0 Spouse or partner as perpetrator of maltreatment and neglect
Spouse or partner as perpetrator of maltreatment and neglect against spouse or partner
Y07.01 Husband as perpetrator of maltreatment and neglect
Y07.02 Wife as perpetrator of maltreatment and neglect
Y07.03 Male partner as perpetrator of maltreatment and neglect
Y07.04 Female partner as perpetrator of maltreatment and neglect
Y07.1 Parent (adoptive) (biological) as perpetrator of maltreatment and neglect
Y07.11 Biological father as perpetrator of maltreatment and neglect
Y07.12 Biological mother as perpetrator of maltreatment and neglect
Y07.13 Adoptive father as perpetrator of maltreatment and neglect
Y07.14 Adoptive mother as perpetrator of maltreatment and neglect
Y07.4 Other family member as perpetrator of maltreatment and neglect
  Y07.41 Sibling
  Y07.410 Brother as perpetrator of maltreatment and neglect
  Y07.411 Sister as perpetrator of maltreatment and neglect
  Y07.42 Foster parent
  Y07.420 Foster father as perpetrator of maltreatment and neglect
  Y07.421 Foster mother as perpetrator of maltreatment and neglect
  Y07.43 Stepparent or stepsibling as perpetrator of maltreatment and neglect
  Y07.430 Stepmother as perpetrator of maltreatment and neglect
  Y07.432 Male friend of parent (co-residing in household) as perpetrator of maltreatment and neglect
  Y07.433 Stepfather as perpetrator of maltreatment and neglect
  Y07.434 Female friend of parent (co-residing in household) as perpetrator of maltreatment and neglect
  Y07.435 Stepbrother as perpetrator of maltreatment and neglect
Y07.436 Stepsister as perpetrator of maltreatment and neglect
Y07.49 Other family member
Y07.490 Male cousin as perpetrator of maltreatment and neglect
Y07.491 Female cousin as perpetrator of maltreatment and neglect
Y07.499 Other family member as perpetrator of maltreatment and neglect
Y07.5 Non-family member
Y07.50 Unspecified non-family member as perpetrator of maltreatment and neglect
Y07.51 Daycare provider
Y07.510 At-home childcare provider as perpetrator of maltreatment and neglect
Y07.511 Daycare center childcare provider as perpetrator of maltreatment and neglect
Y07.512 At-home adultcare provider as perpetrator of maltreatment and neglect
Y07.513 Adultcare center provider as perpetrator of maltreatment and neglect
Y07.519 Unspecified daycare provider as perpetrator of maltreatment and neglect
Y07.52 Healthcare provider
Y07.521 Mental health provider as perpetrator of maltreatment and neglect
Y07.528 Other therapist or healthcare provider as perpetrator of maltreatment and neglect
Nurse
Occupational therapist
Physical therapist
Speech therapist
Y07.529 Unspecified healthcare provider as perpetrator of maltreatment and neglect
Y07.53 Teacher or instructor as perpetrator of maltreatment and neglect
Coach as perpetrator of maltreatment and neglect
Y07.59 Other non-family member as perpetrator of maltreatment and neglect

Y08 Assault by other specified means
The appropriate 7th character is to be added to each code from category Y08
A initial encounter
D subsequent encounter
S sequela
Y08.0 Assault by strike by sport equipment
Y08.01 Assault by strike by hockey stick
Y08.02 Assault by strike by baseball bat
Y08.09 Assault by strike other sport equipment
Y08.8 Assault by other specified means
Y08.81 Assault by crashing of aircraft
Y08.89 Assault by other specified means

Event of undetermined intent (Y20-Y33)

Undetermined intent is only for use when there is specific documentation in the record that the intent of the injury cannot be determined. If no such documentation is present, code to accidental (unintentional)

Categories Y10-Y19 deactivated. See codes T36-T65 with fifth or sixth character 4

Category Y20 deactivated. See category T71

Y21 Drowning and submersion, undetermined intent

The appropriate 7th character is to be added to each code from category Y21

A initial encounter
D subsequent encounter
S sequela

Y21.0 Drowning and submersion while in bathtub, undetermined intent
Y21.1 Drowning and submersion after fall into bathtub, undetermined intent
Y21.2 Drowning and submersion while in swimming pool, undetermined intent
Y21.3 Drowning and submersion after fall into swimming pool, undetermined intent
Y21.4 Drowning and submersion in natural water, undetermined intent
Y21.8 Other drowning and submersion, undetermined intent
Y21.9 Unspecified drowning and submersion, undetermined intent

Y22 Handgun discharge, undetermined intent

Includes: discharge of gun for single hand use, undetermined intent
discharge of pistol, undetermined intent
discharge of revolver, undetermined intent

Excludes: very pistol (Y24.8)
The appropriate 7th character is to be added to code Y22

A initial encounter
D subsequent encounter
S sequela

Y23 Rifle, shotgun and larger firearm discharge, undetermined intent

Excludes: airgun (Y24.0)
The appropriate 7th character is to be added to each code from category Y23

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y23.0</td>
<td>Shotgun discharge, undetermined intent</td>
</tr>
<tr>
<td>Y23.1</td>
<td>Hunting rifle discharge, undetermined intent</td>
</tr>
<tr>
<td>Y23.2</td>
<td>Military firearm discharge, undetermined intent</td>
</tr>
<tr>
<td>Y23.3</td>
<td>Machine gun discharge, undetermined intent</td>
</tr>
<tr>
<td>Y23.8</td>
<td>Other larger firearm discharge, undetermined intent</td>
</tr>
<tr>
<td>Y23.9</td>
<td>Unspecified larger firearm discharge, undetermined intent</td>
</tr>
</tbody>
</table>

The appropriate 7th character is to be added to each code from category Y24

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y24.0</td>
<td>Airgun discharge, undetermined intent</td>
</tr>
<tr>
<td>Y24.1</td>
<td>BB gun discharge, undetermined intent</td>
</tr>
<tr>
<td>Y24.2</td>
<td>Pellet gun discharge, undetermined intent</td>
</tr>
<tr>
<td>Y24.8</td>
<td>Other firearm discharge, undetermined intent</td>
</tr>
<tr>
<td>Y24.9</td>
<td>Unspecified firearm discharge, undetermined intent</td>
</tr>
</tbody>
</table>

The appropriate 7th character is to be added to code Y25

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y25.0</td>
<td>Contact with explosive material, undetermined intent</td>
</tr>
</tbody>
</table>

The appropriate 7th character is to be added to code Y26

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y26.0</td>
<td>Exposure to smoke, fire and flames, undetermined intent</td>
</tr>
</tbody>
</table>

The appropriate 7th character is to be added to each code from category Y27

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y27.0</td>
<td>Contact with steam and hot vapors, undetermined intent</td>
</tr>
<tr>
<td>Y27.1</td>
<td>Contact with hot tap water, undetermined intent</td>
</tr>
<tr>
<td>Y27.2</td>
<td>Contact with hot fluids, undetermined intent</td>
</tr>
<tr>
<td>Y27.3</td>
<td>Contact with hot household appliance, undetermined intent</td>
</tr>
</tbody>
</table>
Y27.8 Contact with other hot objects, undetermined intent
Y27.9 Contact with unspecified hot objects, undetermined intent

Y28 Contact with sharp object, undetermined intent
The appropriate 7th character is to be added to each code from category Y28
A  initial encounter  
D  subsequent encounter  
S  sequela  
Y28.0 Contact with sharp glass, undetermined intent  
Y28.1 Contact with knife, undetermined intent  
Y28.2 Contact with sword or dagger, undetermined intent  
Y28.8 Contact with other sharp object, undetermined intent  
Y28.9 Contact with unspecified sharp object, undetermined intent  

Y29 Contact with blunt object, undetermined intent
The appropriate 7th character is to be added to code Y29  
A  initial encounter  
D  subsequent encounter  
S  sequela  

Y30 Falling, jumping or pushed from a high place, undetermined intent
Includes:  victim falling from one level to another, undetermined intent  
The appropriate 7th character is to be added to code Y30
A  initial encounter  
D  subsequent encounter  
S  sequela  

Y31 Falling, lying or running before or into moving object, undetermined intent
The appropriate 7th character is to be added to code Y31
A  initial encounter  
D  subsequent encounter  
S  sequela  

Y32 Crashing of motor vehicle, undetermined intent
The appropriate 7th character is to be added to code Y32
A  initial encounter  
D  subsequent encounter  
S  sequela  

Y33 Other specified events, undetermined intent
The appropriate 7th character is to be added to code Y33
A  initial encounter  
D  subsequent encounter  
S  sequela
Legal intervention, operations of war, military operations, and terrorism (Y35-Y38)

Y35  Legal intervention
Includes: any injury sustained as a result of an encounter with any law enforcement official, serving in any capacity at the time of the encounter, whether on-duty or off-duty. Includes injury to law enforcement official, suspect and bystander.

The appropriate 7th character is to be added to each code from category Y35:
A  initial encounter
D  subsequent encounter
S  sequela

Y35.0  Legal intervention involving firearm discharge
Y35.00  Legal intervention involving unspecified firearm discharge
Legal intervention involving gunshot wound
Y35.001  Legal intervention involving unspecified firearm discharge, law enforcement official injured
Y35.002  Legal intervention involving unspecified firearm discharge, bystander injured
Y35.003  Legal intervention involving unspecified firearm discharge, suspect injured
Y35.01  Legal intervention involving injury by machine gun
Y35.011  Legal intervention involving injury by machine gun, law enforcement official injured
Y35.012  Legal intervention involving injury by machine gun, bystander injured
Y35.013  Legal intervention involving injury by machine gun, suspect injured
Y35.02  Legal intervention involving injury by handgun
Y35.021  Legal intervention involving injury by handgun, law enforcement official injured
Y35.022  Legal intervention involving injury by handgun, bystander injured
Y35.023  Legal intervention involving injury by handgun, suspect injured
Y35.03  Legal intervention involving injury by rifle pellet
Y35.031  Legal intervention involving injury by rifle pellet, law enforcement official injured
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y35.032</td>
<td>Legal intervention involving injury by rifle pellet, bystander injured</td>
</tr>
<tr>
<td>Y35.033</td>
<td>Legal intervention involving injury by rifle pellet, suspect injured</td>
</tr>
<tr>
<td>Y35.04</td>
<td>Legal intervention involving injury by rubber bullet</td>
</tr>
<tr>
<td>Y35.041</td>
<td>Legal intervention involving injury by rubber bullet, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.042</td>
<td>Legal intervention involving injury by rubber bullet, bystander injured</td>
</tr>
<tr>
<td>Y35.043</td>
<td>Legal intervention involving injury by rubber bullet, suspect injured</td>
</tr>
<tr>
<td>Y35.09</td>
<td>Legal intervention involving other firearm discharge</td>
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<tr>
<td>Y35.091</td>
<td>Legal intervention involving other firearm discharge, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.092</td>
<td>Legal intervention involving other firearm discharge, bystander injured</td>
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<tr>
<td>Y35.093</td>
<td>Legal intervention involving other firearm discharge, suspect injured</td>
</tr>
<tr>
<td>Y35.1</td>
<td>Legal intervention involving explosives</td>
</tr>
<tr>
<td>Y35.10</td>
<td>Legal intervention involving unspecified explosives</td>
</tr>
<tr>
<td>Y35.101</td>
<td>Legal intervention involving unspecified explosives, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.102</td>
<td>Legal intervention involving unspecified explosives, bystander injured</td>
</tr>
<tr>
<td>Y35.103</td>
<td>Legal intervention involving unspecified explosives, suspect injured</td>
</tr>
<tr>
<td>Y35.11</td>
<td>Legal intervention involving injury by dynamite</td>
</tr>
<tr>
<td>Y35.111</td>
<td>Legal intervention involving injury by dynamite, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.112</td>
<td>Legal intervention involving injury by dynamite, bystander injured</td>
</tr>
<tr>
<td>Y35.113</td>
<td>Legal intervention involving injury by dynamite, suspect injured</td>
</tr>
<tr>
<td>Y35.12</td>
<td>Legal intervention involving injury by explosive shell</td>
</tr>
<tr>
<td>Y35.121</td>
<td>Legal intervention involving injury by explosive shell, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.122</td>
<td>Legal intervention involving injury by explosive shell, bystander injured</td>
</tr>
</tbody>
</table>
Y35.123 Legal intervention involving injury by explosive shell, suspect injured
Y35.19 Legal intervention involving other explosives
Legal intervention involving injury by grenade
Legal intervention involving injury by mortar bomb
Y35.191 Legal intervention involving other explosives, law enforcement official injured
Y35.192 Legal intervention involving other explosives, bystander injured
Y35.193 Legal intervention involving other explosives, suspect injured

Y35.2 Legal intervention involving gas
Legal intervention involving asphyxiation by gas
Legal intervention involving poisoning by gas
Y35.20 Legal intervention involving unspecified gas
Y35.201 Legal intervention involving unspecified gas, law enforcement official injured
Y35.202 Legal intervention involving unspecified gas, bystander injured
Y35.203 Legal intervention involving unspecified gas, suspect injured
Y35.21 Legal intervention involving injury by tear gas
Y35.211 Legal intervention involving injury by tear gas, law enforcement official injured
Y35.212 Legal intervention involving injury by tear gas, bystander injured
Y35.213 Legal intervention involving injury by tear gas, suspect injured
Y35.29 Legal intervention involving other gas
Y35.291 Legal intervention involving other gas, law enforcement official injured
Y35.292 Legal intervention involving other gas, bystander injured
Y35.293 Legal intervention involving other gas, suspect injured

Y35.3 Legal intervention involving blunt objects
Legal intervention involving being hit or struck by blunt object
Y35.30 Legal intervention involving unspecified blunt objects
Y35.301 Legal intervention involving unspecified blunt objects, law enforcement official injured
Y35.302  Legal intervention involving unspecified blunt objects, bystander injured
Y35.303  Legal intervention involving unspecified blunt objects, suspect injured
Y35.31   Legal intervention involving baton
Y35.311  Legal intervention involving baton, law enforcement official injured
Y35.312  Legal intervention involving baton, bystander injured
Y35.313  Legal intervention involving baton, suspect injured
Y35.39   Legal intervention involving other blunt objects
Y35.391  Legal intervention involving other blunt objects, law enforcement official injured
Y35.392  Legal intervention involving other blunt objects, bystander injured
Y35.393  Legal intervention involving other blunt objects, suspect injured

Y35.4  Legal intervention involving sharp objects
        Legal intervention involving being cut by sharp objects
        Legal intervention involving being stabbed by sharp objects
    Y35.40  Legal intervention involving unspecified sharp objects
        Y35.401 Legal intervention involving unspecified sharp objects, law enforcement official injured
        Y35.402 Legal intervention involving unspecified sharp objects, bystander injured
        Y35.403 Legal intervention involving unspecified sharp objects, suspect injured
    Y35.41  Legal intervention involving bayonet
        Y35.411 Legal intervention involving bayonet, law enforcement official injured
        Y35.412 Legal intervention involving bayonet, bystander injured
        Y35.413 Legal intervention involving bayonet, suspect injured
Y35.49  Legal intervention involving other sharp objects
        Y35.491 Legal intervention involving other sharp objects, law enforcement official injured
        Y35.492 Legal intervention involving other sharp objects, bystander injured
        Y35.493 Legal intervention involving other sharp objects, suspect injured
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Y35.8</td>
<td>Legal intervention involving other specified means</td>
</tr>
<tr>
<td>Y35.81</td>
<td>Legal intervention involving manhandling</td>
</tr>
<tr>
<td>Y35.811</td>
<td>Legal intervention involving manhandling, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.812</td>
<td>Legal intervention involving manhandling, bystander injured</td>
</tr>
<tr>
<td>Y35.813</td>
<td>Legal intervention involving manhandling, suspect injured</td>
</tr>
<tr>
<td>Y35.89</td>
<td>Legal intervention involving other specified means</td>
</tr>
<tr>
<td>Y35.891</td>
<td>Legal intervention involving other specified means, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.892</td>
<td>Legal intervention involving other specified means, bystander injured</td>
</tr>
<tr>
<td>Y35.893</td>
<td>Legal intervention involving other specified means, suspect injured</td>
</tr>
<tr>
<td>Y35.9</td>
<td>Legal intervention, means unspecified</td>
</tr>
<tr>
<td>Y35.91</td>
<td>Legal intervention, means unspecified, law enforcement official injured</td>
</tr>
<tr>
<td>Y35.92</td>
<td>Legal intervention, means unspecified, bystander injured</td>
</tr>
<tr>
<td>Y35.93</td>
<td>Legal intervention, means unspecified, suspect injured</td>
</tr>
</tbody>
</table>

**Y36 Operations of war**

Includes: injuries to military personnel and civilians caused by war, civil insurrection, and peacekeeping missions

Excludes1: injury to military personnel occurring during peacetime military operations (Y37.-)

military vehicles involved in transport accidents with non-military vehicle during peacetime (V09.01, V09.21, V19.81, V29.81, V39.81, V49.81, V59.81, V69.81, V79.81)

The appropriate 7th character is to be added to each code from category Y36

A initial encounter
D subsequent encounter
S sequela

**Y36.0 War operations involving explosion of marine weapons**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y36.0</td>
<td>War operations involving explosion of marine weapons</td>
</tr>
<tr>
<td>Y36.00</td>
<td>War operations involving explosion of unspecified marine weapon</td>
</tr>
<tr>
<td>Y36.000</td>
<td>War operations involving explosion of unspecified marine weapon, military personnel</td>
</tr>
<tr>
<td>Y36.001</td>
<td>War operations involving explosion of unspecified marine weapon, civilian</td>
</tr>
<tr>
<td>Y36.01</td>
<td>War operations involving explosion of depth-charge</td>
</tr>
<tr>
<td>Y36.010</td>
<td>War operations involving explosion of depth-charge, military personnel</td>
</tr>
</tbody>
</table>
Y36.011  War operations involving explosion of depth-charge, civilian
Y36.02  War operations involving explosion of marine mine
War operations involving explosion of marine mine, at sea or in harbor
Y36.020  War operations involving explosion of marine mine, military personnel
Y36.021  War operations involving explosion of marine mine, civilian
Y36.03  War operations involving explosion of sea-based artillery shell
Y36.030  War operations involving explosion of sea-based artillery shell, military personnel
Y36.031  War operations involving explosion of sea-based artillery shell, civilian
Y36.04  War operations involving explosion of torpedo
Y36.040  War operations involving explosion of torpedo, military personnel
Y36.041  War operations involving explosion of torpedo, civilian
Y36.05  War operations involving accidental detonation of onboard marine weapons
Y36.050  War operations involving accidental detonation of onboard marine weapons, military personnel
Y36.051  War operations involving accidental detonation of onboard marine weapons, civilian
Y36.09  War operations involving explosion of other marine weapons
Y36.090  War operations involving explosion of other marine weapons, military personnel
Y36.091  War operations involving explosion of other marine weapons, civilian

Y36.1  War operations involving destruction of aircraft
Y36.10  War operations involving unspecified destruction of aircraft
Y36.100  War operations involving unspecified destruction of aircraft, military personnel
Y36.101  War operations involving unspecified destruction of aircraft, civilian
Y36.11  War operations involving destruction of aircraft due to enemy fire or explosives
War operations involving destruction of aircraft due to air to air missile
War operations involving destruction of aircraft due to explosive placed on aircraft
War operations involving destruction of aircraft due to rocket propelled grenade [RPG]
War operations involving destruction of aircraft due to small arms fire
War operations involving destruction of aircraft due to surface to air missile
Y36.110 War operations involving destruction of aircraft due to enemy fire or explosives, military personnel
Y36.111 War operations involving destruction of aircraft due to enemy fire or explosives, civilian
Y36.12 War operations involving destruction of aircraft due to collision with other aircraft
Y36.120 War operations involving destruction of aircraft due to collision with other aircraft, military personnel
Y36.121 War operations involving destruction of aircraft due to collision with other aircraft, civilian
Y36.13 War operations involving destruction of aircraft due to onboard fire
Y36.130 War operations involving destruction of aircraft due to onboard fire, military personnel
Y36.131 War operations involving destruction of aircraft due to onboard fire, civilian
Y36.14 War operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives
Y36.140 War operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives, military personnel
Y36.141 War operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives, civilian
Y36.19 War operations involving other destruction of aircraft
Y36.190 War operations involving other destruction of aircraft, military personnel
Y36.191 War operations involving other destruction of aircraft, civilian
Y36.2 War operations involving other explosions and fragments
Excludes1: war operations involving explosion of aircraft (Y36.1-)
war operations involving explosion of marine weapons (Y36.0-)
war operations involving explosion of nuclear weapons (Y36.5-)
war operations involving explosion occurring after cessation of hostilities (Y36.8-)

Y36.20 War operations involving unspecified explosion and fragments
War operations involving air blast NOS
War operations involving blast NOS
War operations involving blast fragments NOS
War operations involving blast wave NOS
War operations involving blast wind NOS
War operations involving explosion NOS
War operations involving explosion of bomb NOS

Y36.200 War operations involving unspecified explosion and fragments, military personnel
Y36.201 War operations involving unspecified explosion and fragments, civilian

Y36.21 War operations involving explosion of aerial bomb
Y36.210 War operations involving explosion of aerial bomb, military personnel
Y36.211 War operations involving explosion of aerial bomb, civilian

Y36.22 War operations involving explosion of guided missile
Y36.220 War operations involving explosion of guided missile, military personnel
Y36.221 War operations involving explosion of guided missile, civilian

Y36.23 War operations involving explosion of improvised explosive device [IED]
War operations involving explosion of person-borne improvised explosive device [IED]
War operations involving explosion of vehicle-borne improvised explosive device [IED]
War operations involving explosion of roadside improvised explosive device [IED]

Y36.230 War operations involving explosion of improvised explosive device [IED], military personnel
Y36.231 War operations involving explosion of improvised explosive device [IED], civilian

Y36.24 War operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device
Y36.240  War operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device, military personnel
Y36.241  War operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device, civilian
Y36.25  War operations involving fragments from munitions
Y36.250  War operations involving fragments from munitions, military personnel
Y36.251  War operations involving fragments from munitions, civilian
Y36.26  War operations involving fragments of improvised explosive device [IED]
   War operations involving fragments of person-borne improvised explosive device [IED]
   War operations involving fragments of vehicle-borne improvised explosive device [IED]
   War operations involving fragments of roadside improvised explosive device [IED]
Y36.260  War operations involving fragments of improvised explosive device [IED], military personnel
Y36.261  War operations involving fragments of improvised explosive device [IED], civilian
Y36.27  War operations involving fragments from weapons
Y36.270  War operations involving fragments from weapons, military personnel
Y36.271  War operations involving fragments from weapons, civilian
Y36.29  War operations involving other explosions and fragments
   War operations involving explosion of grenade
   War operations involving explosions of land mine
   War operations involving shrapnel NOS
Y36.290  War operations involving other explosions and fragments, military personnel
Y36.291  War operations involving other explosions and fragments, civilian

Y36.3 War operations involving fires, conflagrations and hot substances
   War operations involving smoke, fumes, and heat from fires, conflagrations and hot substances
   Excludes1:  war operations involving fires and conflagrations aboard military aircraft (Y36.1-)

   Y36.3 War operations involving fires, conflagrations and hot substances
   War operations involving smoke, fumes, and heat from fires, conflagrations and hot substances
   Excludes1:  war operations involving fires and conflagrations aboard military aircraft (Y36.1-)
war operations involving fires and conflagrations aboard military watercraft (Y36.0-)
war operations involving fires and conflagrations caused indirectly by conventional weapons (Y36.2-)
war operations involving fires and thermal effects of nuclear weapons (Y36.53-)
Y36.30  War operations involving unspecified fire, conflagration and hot substance
Y36.300 War operations involving unspecified fire, conflagration and hot substance, military personnel
Y36.301 War operations involving unspecified fire, conflagration and hot substance, civilian
Y36.31  War operations involving gasoline bomb
War operations involving incendiary bomb
War operations involving petrol bomb
Y36.310 War operations involving gasoline bomb, military personnel
Y36.311 War operations involving gasoline bomb, civilian
Y36.32  War operations involving incendiary bullet
Y36.320 War operations involving incendiary bullet, military personnel
Y36.321 War operations involving incendiary bullet, civilian
Y36.33  War operations involving flamethrower
Y36.330 War operations involving flamethrower, military personnel
Y36.331 War operations involving flamethrower, civilian
Y36.39  War operations involving other fires, conflagrations and hot substances
Y36.390 War operations involving other fires, conflagrations and hot substances, military personnel
Y36.391 War operations involving other fires, conflagrations and hot substances, civilian

Y36.4 War operations involving firearm discharge and other forms of conventional warfare
Y36.41  War operations involving rubber bullets
Y36.410 War operations involving rubber bullets, military personnel
Y36.411 War operations involving rubber bullets, civilian
Y36.42  War operations involving firearms pellets
Y36.420 War operations involving firearms pellets, military personnel
Y36.421 War operations involving firearms pellets, civilian
Y36.43 War operations involving other firearms discharge
War operations involving bullets NOS
Excludes1: war operations involving munitions fragments (Y36.25-)
war operations involving incendiary bullets (Y36.32-)
Y36.430 War operations involving other firearms discharge, military personnel
Y36.431 War operations involving other firearms discharge, civilian
Y36.44 War operations involving unarmed hand to hand combat
Excludes1: war operations involving combat using blunt or piercing object (Y36.45-)
war operations involving intentional restriction of air and airway (Y36.46-)
war operations involving unintentional restriction of air and airway (Y36.47-)
Y36.440 War operations involving unarmed hand to hand combat, military personnel
Y36.441 War operations involving unarmed hand to hand combat, civilian
Y36.45 War operations involving combat using blunt or piercing object
Y36.450 War operations involving combat using blunt or piercing object, military personnel
Y36.451 War operations involving combat using blunt or piercing object, civilian
Y36.46 War operations involving intentional restriction of air and airway
Y36.460 War operations involving intentional restriction of air and airway, military personnel
Y36.461 War operations involving intentional restriction of air and airway, civilian
Y36.47 War operations involving unintentional restriction of air and airway
Y36.470 War operations involving unintentional restriction of air and airway, military personnel
Y36.471 War operations involving unintentional restriction of air and airway, civilian
Y36.49 War operations involving other forms of conventional warfare
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Y36.490</td>
<td>War operations involving other forms of conventional warfare, military personnel</td>
</tr>
<tr>
<td>Y36.491</td>
<td>War operations involving other forms of conventional warfare, civilian</td>
</tr>
</tbody>
</table>

**Y36.5 War operations involving nuclear weapons**

**War operations involving dirty bomb NOS**

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Y36.50</td>
<td>War operations involving unspecified effect of nuclear weapon</td>
</tr>
<tr>
<td>Y36.500</td>
<td>War operations involving unspecified effect of nuclear weapon, military personnel</td>
</tr>
<tr>
<td>Y36.501</td>
<td>War operations involving unspecified effect of nuclear weapon, civilian</td>
</tr>
<tr>
<td>Y36.51</td>
<td>War operations involving direct blast effect of nuclear weapon</td>
</tr>
<tr>
<td>Y36.510</td>
<td>War operations involving direct blast effect of nuclear weapon, military personnel</td>
</tr>
<tr>
<td>Y36.511</td>
<td>War operations involving direct blast effect of nuclear weapon, civilian</td>
</tr>
<tr>
<td>Y36.52</td>
<td>War operations involving indirect blast effect of nuclear weapon</td>
</tr>
<tr>
<td>Y36.520</td>
<td>War operations involving indirect blast effect of nuclear weapon, military personnel</td>
</tr>
<tr>
<td>Y36.521</td>
<td>War operations involving indirect blast effect of nuclear weapon, civilian</td>
</tr>
<tr>
<td>Y36.53</td>
<td>War operations involving thermal radiation effect of nuclear weapon</td>
</tr>
<tr>
<td>Y36.530</td>
<td>War operations involving thermal radiation effect of nuclear weapon, military personnel</td>
</tr>
<tr>
<td>Y36.531</td>
<td>War operations involving thermal radiation effect of nuclear weapon, civilian</td>
</tr>
<tr>
<td>Y36.54</td>
<td>War operation involving nuclear radiation effects of nuclear weapon</td>
</tr>
<tr>
<td></td>
<td>War operation involving acute radiation exposure from nuclear weapon</td>
</tr>
<tr>
<td></td>
<td>War operation involving exposure to immediate ionizing radiation from nuclear weapon</td>
</tr>
</tbody>
</table>
War operation involving fallout exposure from nuclear weapon
War operation involving secondary effects of nuclear weapons
Y36.540 War operation involving nuclear radiation effects of nuclear weapon, military personnel
Y36.541 War operation involving nuclear radiation effects of nuclear weapon, civilian
Y36.59 War operation involving other effects of nuclear weapons
Y36.590 War operation involving other effects of nuclear weapons, military personnel
Y36.591 War operation involving other effects of nuclear weapons, civilian

Y36.6 War operations involving biological weapons
Y36.6x War operations involving biological weapons
Y36.6x0 War operations involving biological weapons, military personnel
Y36.6x1 War operations involving biological weapons, civilian

Y36.7 War operations involving chemical weapons and other forms of unconventional warfare
Excludes: war operations involving incendiary devices (Y36.3-, Y36.5-)
Y36.7x War operations involving chemical weapons and other forms of unconventional warfare
Y36.7x0 War operations involving chemical weapons and other forms of unconventional warfare, military personnel
Y36.7x1 War operations involving chemical weapons and other forms of unconventional warfare, civilian

Y36.8 War operations occurring after cessation of hostilities
War operations classifiable to categories Y36.0-Y36.8 but occurring after cessation of hostilities
Y36.81 Explosion of mine placed during war operations but exploding after cessation of hostilities
Y36.810 Explosion of mine placed during war operations but exploding after cessation of hostilities, military personnel
Y36.811 Explosion of mine placed during war operations but exploding after cessation of hostilities, civilian
Y36.82 Explosion of bomb placed during war operations but exploding after cessation of hostilities
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Y36.820</td>
<td>Explosion of bomb placed during war operations but exploding after cessation of hostilities, military personnel</td>
</tr>
<tr>
<td>Y36.821</td>
<td>Explosion of bomb placed during war operations but exploding after cessation of hostilities, civilian</td>
</tr>
<tr>
<td>Y36.88</td>
<td>Other war operations occurring after cessation of hostilities</td>
</tr>
<tr>
<td>Y36.880</td>
<td>Other war operations occurring after cessation of hostilities, military personnel</td>
</tr>
<tr>
<td>Y36.881</td>
<td>Other war operations occurring after cessation of hostilities, civilian</td>
</tr>
<tr>
<td>Y36.89</td>
<td>Unspecified war operations occurring after cessation of hostilities</td>
</tr>
<tr>
<td>Y36.890</td>
<td>Unspecified war operations occurring after cessation of hostilities, military personnel</td>
</tr>
<tr>
<td>Y36.891</td>
<td>Unspecified war operations occurring after cessation of hostilities, civilian</td>
</tr>
<tr>
<td>Y36.9</td>
<td>Other and unspecified war operations</td>
</tr>
<tr>
<td>Y36.90</td>
<td>War operations, unspecified</td>
</tr>
<tr>
<td>Y36.91</td>
<td>War operations involving unspecified weapon of mass destruction [WMD]</td>
</tr>
<tr>
<td>Y36.92</td>
<td>War operations involving friendly fire</td>
</tr>
</tbody>
</table>

**Y37  Military operations**

Includes: Injuries to military personnel and civilians occurring during peacetime on military property and during routine military exercises and operations

Excludes:
- military aircraft involved in aircraft accident with civilian aircraft (V97.81-)
- military vehicles involved in transport accident with civilian vehicle (V09.01, V09.21, V19.81, V29.81, V39.81, V49.81, V59.81, V69.81, V79.81)
- military watercraft involved in water transport accident with civilian watercraft (V94.81-)

The appropriate 7th character is to be added to each code from category Y37

A initial encounter
D subsequent encounter
S sequela

**Y37.0 Military operations involving explosion of marine weapons**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y37.00</td>
<td>Military operations involving explosion of unspecified marine weapon</td>
</tr>
<tr>
<td>Y37.000</td>
<td>Military operations involving explosion of unspecified marine weapon, military personnel</td>
</tr>
<tr>
<td>Y37.001</td>
<td>Military operations involving underwater blast NOS</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Y37.001</td>
<td>Military operations involving explosion of unspecified marine weapon, civilian</td>
</tr>
<tr>
<td>Y37.01</td>
<td>Military operations involving explosion of depth-charge</td>
</tr>
<tr>
<td>Y37.010</td>
<td>Military operations involving explosion of depth-charge, military personnel</td>
</tr>
<tr>
<td>Y37.011</td>
<td>Military operations involving explosion of depth-charge, civilian</td>
</tr>
<tr>
<td>Y37.02</td>
<td>Military operations involving explosion of marine mine</td>
</tr>
<tr>
<td></td>
<td>Military operations involving explosion of marine mine, at sea or in harbor</td>
</tr>
<tr>
<td>Y37.020</td>
<td>Military operations involving explosion of marine mine, military personnel</td>
</tr>
<tr>
<td>Y37.021</td>
<td>Military operations involving explosion of marine mine, civilian</td>
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<tr>
<td>Y37.03</td>
<td>Military operations involving explosion of sea-based artillery shell</td>
</tr>
<tr>
<td>Y37.030</td>
<td>Military operations involving explosion of sea-based artillery shell, military personnel</td>
</tr>
<tr>
<td>Y37.031</td>
<td>Military operations involving explosion of sea-based artillery shell, civilian</td>
</tr>
<tr>
<td>Y37.04</td>
<td>Military operations involving explosion of torpedo</td>
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<tr>
<td>Y37.040</td>
<td>Military operations involving explosion of torpedo, military personnel</td>
</tr>
<tr>
<td>Y37.041</td>
<td>Military operations involving explosion of torpedo, civilian</td>
</tr>
<tr>
<td>Y37.05</td>
<td>Military operations involving accidental detonation of onboard marine weapons</td>
</tr>
<tr>
<td>Y37.050</td>
<td>Military operations involving accidental detonation of onboard marine weapons, military personnel</td>
</tr>
<tr>
<td>Y37.051</td>
<td>Military operations involving accidental detonation of onboard marine weapons, civilian</td>
</tr>
<tr>
<td>Y37.09</td>
<td>Military operations involving explosion of other marine weapons</td>
</tr>
<tr>
<td>Y37.090</td>
<td>Military operations involving explosion of other marine weapons, military personnel</td>
</tr>
<tr>
<td>Y37.091</td>
<td>Military operations involving explosion of other marine weapons, civilian</td>
</tr>
</tbody>
</table>

**Y37.1 Military operations involving destruction of aircraft**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Y37.10</td>
<td>Military operations involving unspecified destruction of aircraft</td>
</tr>
<tr>
<td>Y37.100</td>
<td>Military operations involving unspecified destruction of aircraft, military personnel</td>
</tr>
</tbody>
</table>
Y37.101 Military operations involving unspecified destruction of aircraft, civilian

Y37.11 Military operations involving destruction of aircraft due to enemy fire or explosives

Military operations involving destruction of aircraft due to air to air missile

Military operations involving destruction of aircraft due to explosive placed on aircraft

Military operations involving destruction of aircraft due to rocket propelled grenade [RPG]

Military operations involving destruction of aircraft due to small arms fire

Military operations involving destruction of aircraft due to surface to air missile

Y37.110 Military operations involving destruction of aircraft due to enemy fire or explosives, military personnel

Y37.111 Military operations involving destruction of aircraft due to enemy fire or explosives, civilian

Y37.12 Military operations involving destruction of aircraft due to collision with other aircraft

Y37.120 Military operations involving destruction of aircraft due to collision with other aircraft, military personnel

Y37.121 Military operations involving destruction of aircraft due to collision with other aircraft, civilian

Y37.13 Military operations involving destruction of aircraft due to onboard fire

Y37.130 Military operations involving destruction of aircraft due to onboard fire, military personnel

Y37.131 Military operations involving destruction of aircraft due to onboard fire, civilian

Y37.14 Military operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives

Y37.140 Military operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives, military personnel

Y37.141 Military operations involving destruction of aircraft due to accidental detonation of onboard munitions and explosives, civilian
Y37.19 Military operations involving other destruction of aircraft
Y37.190 Military operations involving other destruction of aircraft, military personnel
Y37.191 Military operations involving other destruction of aircraft, civilian

Y37.2 Military operations involving other explosions and fragments
Excludes1: military operations involving explosion of aircraft (Y37.1-)
military operations involving explosion of marine weapons (Y37.0-)
military operations involving explosion of nuclear weapons (Y37.5-)

Y37.20 Military operations involving unspecified explosion and fragments
Military operations involving air blast NOS
Military operations involving blast NOS
Military operations involving blast fragments NOS
Military operations involving blast wave NOS
Military operations involving blast wind NOS
Military operations involving explosion NOS
Military operations involving explosion of bomb NOS

Y37.200 Military operations involving unspecified explosion and fragments, military personnel
Y37.201 Military operations involving unspecified explosion and fragments, civilian

Y37.21 Military operations involving explosion of aerial bomb

Y37.210 Military operations involving explosion of aerial bomb, military personnel
Y37.211 Military operations involving explosion of aerial bomb, civilian

Y37.22 Military operations involving explosion of guided missile

Y37.220 Military operations involving explosion of guided missile, military personnel
Y37.221 Military operations involving explosion of guided missile, civilian

Y37.23 Military operations involving explosion of improvised explosive device [IED]
Military operations involving explosion of person-borne improvised explosive device [IED]
Military operations involving explosion of vehicle-borne improvised explosive device [IED]
Military operations involving explosion of roadside improvised explosive device [IED]
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Y37.230</td>
<td>Military operations involving explosion of improvised explosive device [IED], military personnel</td>
</tr>
<tr>
<td>Y37.231</td>
<td>Military operations involving explosion of improvised explosive device [IED], civilian</td>
</tr>
<tr>
<td>Y37.24</td>
<td>Military operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device</td>
</tr>
<tr>
<td>Y37.240</td>
<td>Military operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device, military personnel</td>
</tr>
<tr>
<td>Y37.241</td>
<td>Military operations involving explosion due to accidental detonation and discharge of own munitions or munitions launch device, civilian</td>
</tr>
<tr>
<td>Y37.25</td>
<td>Military operations involving fragments from munitions</td>
</tr>
<tr>
<td>Y37.250</td>
<td>Military operations involving fragments from munitions, military personnel</td>
</tr>
<tr>
<td>Y37.251</td>
<td>Military operations involving fragments from munitions, civilian</td>
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<tr>
<td>Y37.26</td>
<td>Military operations involving fragments of improvised explosive device [IED]</td>
</tr>
<tr>
<td></td>
<td>Military operations involving fragments of person-borne improvised explosive device [IED]</td>
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<tr>
<td></td>
<td>Military operations involving fragments of vehicle-borne improvised explosive device [IED]</td>
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<td></td>
<td>Military operations involving fragments of roadside improvised explosive device [IED]</td>
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<td>Y37.260</td>
<td>Military operations involving fragments of improvised explosive device [IED], military personnel</td>
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<td>Y37.261</td>
<td>Military operations involving fragments of improvised explosive device [IED], civilian</td>
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<td>Y37.27</td>
<td>Military operations involving fragments from weapons</td>
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<td>Y37.270</td>
<td>Military operations involving fragments from weapons, military personnel</td>
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<td>Y37.271</td>
<td>Military operations involving fragments from weapons, civilian</td>
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<td>Y37.29</td>
<td>Military operations involving other explosions and fragments</td>
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<td>Military operations involving explosion of grenade</td>
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<tr>
<td></td>
<td>Military operations involving explosions of land mine</td>
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<tr>
<td></td>
<td>Military operations involving shrapnel NOS</td>
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</tbody>
</table>
Y37.290  Military operations involving other explosions and fragments, military personnel
Y37.291  Military operations involving other explosions and fragments, civilian

Y37.3 Military operations involving fires, conflagrations and hot substances
Military operations involving smoke, fumes, and heat from fires, conflagrations and hot substances
Excludes1: military operations involving fires and conflagrations aboard military aircraft (Y37.1-)
military operations involving fires and conflagrations aboard military watercraft (Y37.0-)
military operations involving fires and conflagrations caused indirectly by conventional weapons (Y37.2-)
military operations involving fires and thermal effects of nuclear weapons (Y36.53-)

Y37.30  Military operations involving unspecified fire, conflagration and hot substance
Y37.300  Military operations involving unspecified fire, conflagration and hot substance, military personnel
Y37.301  Military operations involving unspecified fire, conflagration and hot substance, civilian

Y37.31  Military operations involving gasoline bomb
Military operations involving incendiary bomb
Military operations involving petrol bomb
Y37.310  Military operations involving gasoline bomb, military personnel
Y37.311  Military operations involving gasoline bomb, civilian

Y37.32  Military operations involving incendiary bullet
Y37.320  Military operations involving incendiary bullet, military personnel
Y37.321  Military operations involving incendiary bullet, civilian

Y37.33  Military operations involving flamethrower
Y37.330  Military operations involving flamethrower, military personnel
Y37.331  Military operations involving flamethrower, civilian

Y37.39  Military operations involving other fires, conflagrations and hot substances
Y37.390 Military operations involving other fires, conflagrations and hot substances, military personnel
Y37.391 Military operations involving other fires, conflagrations and hot substances, civilian

Y37.4 Military operations involving firearm discharge and other forms of conventional warfare

Y37.41 Military operations involving rubber bullets
Y37.410 Military operations involving rubber bullets, military personnel
Y37.411 Military operations involving rubber bullets, civilian
Y37.42 Military operations involving firearms pellets
Y37.420 Military operations involving firearms pellets, military personnel
Y37.421 Military operations involving firearms pellets, civilian
Y37.43 Military operations involving other firearms discharge

Military operations involving bullets NOS
Excludes1: military operations involving munitions fragments (Y37.25-)
military operations involving incendiary bullets (Y37.32-)

Y37.430 Military operations involving other firearms discharge, military personnel
Y37.431 Military operations involving other firearms discharge, civilian

Y37.44 Military operations involving unarmed hand to hand combat
Excludes1: military operations involving combat using blunt or piercing object (Y37.45-)
military operations involving intentional restriction of air and airway (Y37.46-)
military operations involving unintentional restriction of air and airway (Y37.47-)

Y37.440 Military operations involving unarmed hand to hand combat, military personnel
Y37.441 Military operations involving unarmed hand to hand combat, civilian
Y37.45 Military operations involving combat using blunt or piercing object
Y37.450 Military operations involving combat using blunt or piercing object, military personnel
Y37.451 Military operations involving combat using blunt or piercing object, civilian
Military operations involving intentional restriction of air and airway

Military operations involving intentional restriction of air and airway, military personnel

Military operations involving intentional restriction of air and airway, civilian

Military operations involving unintentional restriction of air and airway

Military operations involving unintentional restriction of air and airway, military personnel

Military operations involving unintentional restriction of air and airway, civilian

Military operations involving other forms of conventional warfare

Military operations involving other forms of conventional warfare, military personnel

Military operations involving other forms of conventional warfare, civilian

Military operations involving nuclear weapons

Military operation involving dirty bomb NOS

Military operations involving unspecified effect of nuclear weapon

Military operations involving unspecified effect of nuclear weapon, military personnel

Military operations involving unspecified effect of nuclear weapon, civilian

Military operations involving direct blast effect of nuclear weapon

Military operations involving blast pressure of nuclear weapon

Military operations involving direct blast effect of nuclear weapon, military personnel

Military operations involving direct blast effect of nuclear weapon, civilian

Military operations involving indirect blast effect of nuclear weapon

Military operations involving being thrown by blast of nuclear weapon

Military operations involving being struck or crushed by blast debris of nuclear weapon

Military operations involving indirect blast effect of nuclear weapon, military personnel

Military operations involving indirect blast effect of nuclear weapon, civilian

Military operations involving thermal radiation effect of nuclear weapon
Military operations involving direct heat from nuclear weapon

Military operation involving fireball effects from nuclear weapon

Y37.530 Military operations involving thermal radiation effect of nuclear weapon, military personnel

Y37.531 Military operations involving thermal radiation effect of nuclear weapon, civilian

Y37.54 Military operation involving nuclear radiation effects of nuclear weapon

Military operation involving acute radiation exposure from nuclear weapon

Military operation involving exposure to immediate ionizing radiation from nuclear weapon

Military operation involving fallout exposure from nuclear weapon

Military operation involving secondary effects of nuclear weapon

Y37.540 Military operation involving nuclear radiation effects of nuclear weapon, military personnel

Y37.541 Military operation involving nuclear radiation effects of nuclear weapon, civilian

Y37.59 Military operation involving other effects of nuclear weapons

Y37.590 Military operation involving other effects of nuclear weapons, military personnel

Y37.591 Military operation involving other effects of nuclear weapons, civilian

Y37.6 Military operations involving biological weapons

Y37.6x Military operations involving biological weapons

Y37.6x0 Military operations involving biological weapons, military personnel

Y37.6x1 Military operations involving biological weapons, civilian

Y37.7 Military operations involving chemical weapons and other forms of unconventional warfare

Excludes1: military operations involving incendiary devices (Y36.3-, Y36.5-)

Y37.7x Military operations involving chemical weapons and other forms of unconventional warfare

Y37.7x0 Military operations involving chemical weapons and other forms of unconventional warfare, military personnel
Military operations involving chemical weapons and other forms of unconventional warfare, civilian

Y37.9 Other and unspecified military operations
Y37.90 Military operations, unspecified
Y37.91 Military operations involving unspecified weapon of mass destruction [WMD]
Y37.92 Military operations involving friendly fire

Y38 Terrorism
These codes are for use to identify injuries resulting from the unlawful use of force or violence against persons or property to intimidate or coerce a Government, the civilian population, or any segment thereof, in furtherance of political or social objective

Use additional code for place of occurrence (Y92.-)
The appropriate 7th character is to be added to each code from category Y38
A initial encounter
D subsequent encounter
S sequela

Y38.0 Terrorism involving explosion of marine weapons
Terrorism involving depth-charge
Terrorism involving marine mine
Terrorism involving mine NOS, at sea or in harbor
Terrorism involving sea-based artillery shell
Terrorism involving torpedo
Terrorism involving underwater blast

Y38.0x Terrorism involving explosion of marine weapons
Y38.0x1 Terrorism involving explosion of marine weapons, public safety official injured
Y38.0x2 Terrorism involving explosion of marine weapons, civilian injured
Y38.0x3 Terrorism involving explosion of marine weapons, terrorist injured

Y38.1 Terrorism involving destruction of aircraft
Terrorism involving aircraft burned
Terrorism involving aircraft exploded
Terrorism involving aircraft being shot down
Terrorism involving aircraft used as a weapon

Y38.1x Terrorism involving destruction of aircraft
Y38.1x1 Terrorism involving destruction of aircraft, public safety official injured
Y38.1x2 Terrorism involving destruction of aircraft, civilian injured
Y38.1x3 Terrorism involving destruction of aircraft, terrorist injured
Y38.2 Terrorism involving other explosions and fragments
   Terrorism involving antipersonnel (fragments) bomb
   Terrorism involving blast NOS
   Terrorism involving explosion NOS
   Terrorism involving explosion of breech block
   Terrorism involving explosion of cannon block
   Terrorism involving explosion (fragments) of artillery shell
   Terrorism involving explosion (fragments) of bomb
   Terrorism involving explosion (fragments) of grenade
   Terrorism involving explosion (fragments) of guided missile
   Terrorism involving explosion (fragments) of land mine
   Terrorism involving explosion of mortar bomb
   Terrorism involving explosion of munitions
   Terrorism involving explosion (fragments) of rocket
   Terrorism involving explosion (fragments) of shell
   Terrorism involving shrapnel
   Terrorism involving mine NOS, on land
Excludes1: terrorism involving explosion of nuclear weapon
   (Y38.5)
   terrorism involving suicide bomber (Y38.81)
Y38.2x Terrorism involving other explosions and fragments
   Y38.2x1 Terrorism involving other explosions and fragments, public safety official injured
   Y38.2x2 Terrorism involving other explosions and fragments, civilian injured
   Y38.2x3 Terrorism involving other explosions and fragments, terrorist injured

Y38.3 Terrorism involving fires, conflagration and hot substances
   Terrorism involving conflagration NOS
   Terrorism involving fire NOS
   Terrorism involving petrol bomb
Excludes1: terrorism involving fire or heat of nuclear weapon
   (Y38.5)
   Y38.3x Terrorism involving fires, conflagration and hot substances
   Y38.3x1 Terrorism involving fires, conflagration and hot substances, public safety official injured
   Y38.3x2 Terrorism involving fires, conflagration and hot substances, civilian injured
   Y38.3x3 Terrorism involving fires, conflagration and hot substances, terrorist injured

Y38.4 Terrorism involving firearms
   Terrorism involving carbine bullet
   Terrorism involving machine gun bullet
Terrorism involving pellets (shotgun)
Terrorism involving pistol bullet
Terrorism involving rifle bullet
Terrorism involving rubber (rifle) bullet
  Y38.4x  Terrorism involving firearms
  Y38.4x1  Terrorism involving firearms, public safety official injured
  Y38.4x2  Terrorism involving firearms, civilian injured
  Y38.4x3  Terrorism involving firearms, terrorist injured

Y38.5 Terrorism involving nuclear weapons
  Terrorism involving blast effects of nuclear weapon
  Terrorism involving exposure to ionizing radiation from nuclear weapon
  Terrorism involving fireball effect of nuclear weapon
  Terrorism involving heat from nuclear weapon
  Y38.5x  Terrorism involving nuclear weapons
  Y38.5x1  Terrorism involving nuclear weapons, public safety official injured
  Y38.5x2  Terrorism involving nuclear weapons, civilian injured
  Y38.5x3  Terrorism involving nuclear weapons, terrorist injured

Y38.6 Terrorism involving biological weapons
  Terrorism involving anthrax
  Terrorism involving cholera
  Terrorism involving smallpox
  Y38.6x  Terrorism involving biological weapons
  Y38.6x1  Terrorism involving biological weapons, public safety official injured
  Y38.6x2  Terrorism involving biological weapons, civilian injured
  Y38.6x3  Terrorism involving biological weapons, terrorist injured

Y38.7 Terrorism involving chemical weapons
  Terrorism involving gases, fumes, chemicals
  Terrorism involving hydrogen cyanide
  Terrorism involving phosgene
  Terrorism involving sarin
  Y38.7x  Terrorism involving chemical weapons
  Y38.7x1  Terrorism involving chemical weapons, public safety official injured
  Y38.7x2  Terrorism involving chemical weapons, civilian injured
Y38.7x3  Terrorism involving chemical weapons, terrorist injured

Y38.8  Terrorism involving other and unspecified means
   Y38.80  Terrorism involving unspecified means
      Terrorism NOS
         Y38.81  Terrorism involving suicide bomber
         Y38.811  Terrorism involving suicide bomber, public safety official injured
         Y38.812  Terrorism involving suicide bomber, civilian injured
         Y38.89  Terrorism involving other means
         Terrorism involving drowning and submersion
         Terrorism involving lasers
         Terrorism involving piercing or stabbing instruments
         Y38.891  Terrorism involving other means, public safety official injured
         Y38.892  Terrorism involving other means, civilian injured
         Y38.893  Terrorism involving other means, terrorist injured

Y38.9  Terrorism, secondary effects
   This code is for use to identify injuries occurring subsequent to a terrorist attack, not due to the initial attack itself.
   Y38.9x  Terrorism, secondary effects
      Y38.9x1  Terrorism, secondary effects, public safety official injured
      Y38.9x2  Terrorism, secondary effects, civilian injured

Categories Y40-Y59 deactivated. See T36-T50 with fifth or sixth character 5

Complications of medical and surgical care (Y62-Y84)
   Includes: complications of medical devices
            surgical and medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Misadventures to patients during surgical and medical care (Y62-Y69)
   Excludes2: breakdown or malfunctioning of medical device (during procedure) (after implantation) (ongoing use) (Y70-Y82)
            surgical and medical procedures as the cause of abnormal reaction of the patient, without mention of misadventure at the time of the procedure (Y83-Y84)
Category Y60 deactivated. See complications within body system chapters

Category Y61 deactivated. See subcategory T81.5

Y62 Failure of sterile precautions during surgical and medical care
   Y62.0 Failure of sterile precautions during surgical operation
   Y62.1 Failure of sterile precautions during infusion or transfusion
   Y62.2 Failure of sterile precautions during kidney dialysis and other perfusion
   Y62.3 Failure of sterile precautions during injection or immunization
   Y62.4 Failure of sterile precautions during endoscopic examination
   Y62.5 Failure of sterile precautions during heart catheterization
   Y62.6 Failure of sterile precautions during aspiration, puncture and other catheterization
   Y62.8 Failure of sterile precautions during other surgical and medical care
   Y62.9 Failure of sterile precautions during unspecified surgical and medical care

Y63 Failure in dosage during surgical and medical care
   Excludes2: accidental overdose of drug or wrong drug given in error (T36-T50)
   Y63.0 Excessive amount of blood or other fluid given during transfusion or infusion
   Y63.1 Incorrect dilution of fluid used during infusion
   Y63.2 Overdose of radiation given during therapy
   Y63.3 Inadvertent exposure of patient to radiation during medical care
   Y63.4 Failure in dosage in electroshock or insulin-shock therapy
   Y63.5 Inappropriate temperature in local application and packing
   Y63.6 Underdosing and nonadministration of necessary drug, medicament or biological substance
      Y63.61 Underdosing of necessary drug, medicament or biological substance
      Y63.62 Nonadministration of necessary drug, medicament or biological substance
   Y63.8 Failure in dosage during other surgical and medical care
   Y63.9 Failure in dosage during unspecified surgical and medical care

Y64 Contaminated medical or biological substances
   Y64.0 Contaminated medical or biological substance, transfused or infused
   Y64.1 Contaminated medical or biological substance, injected or used for immunization
   Y64.8 Contaminated medical or biological substance administered by other means
Y64.9 Contaminated medical or biological substance administered by unspecified means
Administered contaminated medical or biological substance NOS

Y65 Other misadventures during surgical and medical care
Y65.0 Mismatched blood in transfusion
Y65.1 Wrong fluid used in infusion
Y65.2 Failure in suture or ligature during surgical operation
Y65.3 Endotracheal tube wrongly placed during anesthetic procedure
Y65.4 Failure to introduce or to remove other tube or instrument
Y65.5 Performance of wrong procedure (operation)
  Y65.51 Performance of wrong procedure (operation) on correct patient
  Wrong device implanted into correct surgical site
  Excludes1: performance of correct procedure (operation) on wrong side or body part (Y65.53)
  Y65.52 Performance of procedure (operation) on patient not scheduled for surgery
  Performance of procedure (operation) intended for another patient
  Performance of procedure (operation) on wrong patient
  Y65.53 Performance of correct procedure (operation) on wrong side or body part
  Performance of correct procedure (operation) on wrong side
  Performance of correct procedure (operation) on wrong site
Y65.8 Other specified misadventures during surgical and medical care

Y66 Nonadministration of surgical and medical care
Includes: premature cessation of surgical and medical care
Excludes1: DNR status (Z66) palliative care (Z51.5)

Y69 Unspecified misadventure during surgical and medical care

Medical devices associated with adverse incidents in diagnostic and therapeutic use (Y70-Y82)
Includes: breakdown or malfunction of medical devices (during use) (after implantation) (ongoing use)
Excludes1: misadventure to patients during surgical and medical care, classifiable to Y60-Y69 (Y60-Y69)
later complications following use of medical devices without breakdown or malfunctioning of device (Y83-Y84)

Y70  Anesthesiology devices associated with adverse incidents
   Y70.0 Diagnostic and monitoring anesthesiology devices associated with adverse incidents
   Y70.1 Therapeutic (nonsurgical) and rehabilitative anesthesiology devices associated with adverse incidents
   Y70.2 Prosthetic and other implants, materials and accessory anesthesiology devices associated with adverse incidents
   Y70.3 Surgical instruments, materials and anesthesiology devices (including sutures) associated with adverse incidents
   Y70.8 Miscellaneous anesthesiology devices associated with adverse incidents, not elsewhere classified

Y71  Cardiovascular devices associated with adverse incidents
   Y71.0 Diagnostic and monitoring cardiovascular devices associated with adverse incidents
   Y71.1 Therapeutic (nonsurgical) and rehabilitative cardiovascular devices associated with adverse incidents
   Y71.2 Prosthetic and other implants, materials and accessory cardiovascular devices associated with adverse incidents
   Y71.3 Surgical instruments, materials and cardiovascular devices (including sutures) associated with adverse incidents
   Y71.8 Miscellaneous cardiovascular devices associated with adverse incidents, not elsewhere classified

Y72  Otorhinolaryngological devices associated with adverse incidents
   Y72.0 Diagnostic and monitoring otorhinolaryngological devices associated with adverse incidents
   Y72.1 Therapeutic (nonsurgical) and rehabilitative otorhinolaryngological devices associated with adverse incidents
   Y72.2 Prosthetic and other implants, materials and accessory otorhinolaryngological devices associated with adverse incidents
   Y72.3 Surgical instruments, materials and otorhinolaryngological devices (including sutures) associated with adverse incidents
   Y72.8 Miscellaneous otorhinolaryngological devices associated with adverse incidents, not elsewhere classified

Y73  Gastroenterology and urology devices associated with adverse incidents
Y73.0 Diagnostic and monitoring gastroenterology and urology
devices associated with adverse incidents
Y73.1 Therapeutic (nonsurgical) and rehabilitative gastroenterology
and urology devices associated with adverse incidents
Y73.2 Prosthetic and other implants, materials and accessory
gastroenterology and urology devices associated with adverse
incidents
Y73.3 Surgical instruments, materials and gastroenterology and
urology devices (including sutures) associated with adverse
incidents
Y73.8 Miscellaneous gastroenterology and urology devices
associated with adverse incidents, not elsewhere classified

Y74 General hospital and personal-use devices associated with
adverse incidents
Y74.0 Diagnostic and monitoring general hospital and personal-use
devices associated with adverse incidents
Y74.1 Therapeutic (nonsurgical) and rehabilitative general hospital
and personal-use devices associated with adverse incidents
Y74.2 Prosthetic and other implants, materials and accessory
general hospital and personal-use devices associated with
adverse incidents
Y74.3 Surgical instruments, materials and general hospital and
personal-use devices (including sutures) associated with
adverse incidents
Y74.8 Miscellaneous general hospital and personal-use devices
associated with adverse incidents, not elsewhere classified

Y75 Neurological devices associated with adverse incidents
Y75.0 Diagnostic and monitoring neurological devices associated
with adverse incidents
Y75.1 Therapeutic (nonsurgical) and rehabilitative neurological
devices associated with adverse incidents
Y75.2 Prosthetic and other implants, materials and neurological
deVICES associated with adverse incidents
Y75.3 Surgical instruments, materials and neurological devices
(including sutures) associated with adverse incidents
Y75.8 Miscellaneous neurological devices associated with adverse
incidents, not elsewhere classified

Y76 Obstetric and gynecological devices associated with
adverse incidents
Y76.0 Diagnostic and monitoring obstetric and gynecological
devices associated with adverse incidents
Y76.1 Therapeutic (nonsurgical) and rehabilitative obstetric and
gynecological devices associated with adverse incidents
Y76.2 Prosthetic and other implants, materials and accessory obstetric and gynecological devices associated with adverse incidents
Y76.3 Surgical instruments, materials and obstetric and gynecological devices (including sutures) associated with adverse incidents
Y76.8 Miscellaneous obstetric and gynecological devices associated with adverse incidents, not elsewhere classified

Y77 Ophthalmic devices associated with adverse incidents
Y77.0 Diagnostic and monitoring ophthalmic devices associated with adverse incidents
Y77.1 Therapeutic (nonsurgical) and rehabilitative ophthalmic devices associated with adverse incidents
Y77.2 Prosthetic and other implants, materials and accessory ophthalmic devices associated with adverse incidents
Y77.3 Surgical instruments, materials and ophthalmic devices (including sutures) associated with adverse incidents
Y77.8 Miscellaneous ophthalmic devices associated with adverse incidents, not elsewhere classified

Y78 Radiological devices associated with adverse incidents
Y78.0 Diagnostic and monitoring radiological devices associated with adverse incidents
Y78.1 Therapeutic (nonsurgical) and rehabilitative radiological devices associated with adverse incidents
Y78.2 Prosthetic and other implants, materials and accessory radiological devices associated with adverse incidents
Y78.3 Surgical instruments, materials and radiological devices (including sutures) associated with adverse incidents
Y78.8 Miscellaneous radiological devices associated with adverse incidents, not elsewhere classified

Y79 Orthopedic devices associated with adverse incidents
Y79.0 Diagnostic and monitoring orthopedic devices associated with adverse incidents
Y79.1 Therapeutic (nonsurgical) and rehabilitative orthopedic devices associated with adverse incidents
Y79.2 Prosthetic and other implants, materials and accessory orthopedic devices associated with adverse incidents
Y79.3 Surgical instruments, materials and orthopedic devices (including sutures) associated with adverse incidents
Y79.8 Miscellaneous orthopedic devices associated with adverse incidents, not elsewhere classified

Y80 Physical medicine devices associated with adverse incidents
Y80.0 Diagnostic and monitoring physical medicine devices associated with adverse incidents
Y80.1 Therapeutic (nonsurgical) and rehabilitative physical medicine devices associated with adverse incidents
Y80.2 Prosthetic and other implants, materials and accessory physical medicine devices associated with adverse incidents
Y80.3 Surgical instruments, materials and physical medicine devices (including sutures) associated with adverse incidents
Y80.8 Miscellaneous physical medicine devices associated with adverse incidents, not elsewhere classified

Y81 General- and plastic-surgery devices associated with adverse incidents
Y81.0 Diagnostic and monitoring general- and plastic-surgery devices associated with adverse incidents
Y81.1 Therapeutic (nonsurgical) and rehabilitative general- and plastic-surgery devices associated with adverse incidents
Y81.2 Prosthetic and other implants, materials and accessory general- and plastic-surgery devices associated with adverse incidents
Y81.3 Surgical instruments, materials and general- and plastic-surgery devices (including sutures) associated with adverse incidents
Y81.8 Miscellaneous general- and plastic-surgery devices associated with adverse incidents, not elsewhere classified

Y82 Other and unspecified medical devices associated with adverse incidents
Y82.0 Other medical devices associated with adverse incidents
Y82.9 Unspecified medical devices associated with adverse incidents

Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure (Y83-Y84)

Excludes1: misadventures to patients during surgical and medical care, classifiable to Y60-Y69 (Y60-Y69)

Y83 Surgical operation and other surgical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y83.0 Surgical operation with transplant of whole organ as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.1 Surgical operation with implant of artificial internal device as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.2 Surgical operation with anastomosis, bypass or graft as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.3 Surgical operation with formation of external stoma as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.4 Other reconstructive surgery as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.5 Amputation of limb(s) as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.6 Removal of other organ (partial) (total) as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.8 Other surgical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y83.9 Surgical procedure, unspecified as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y84 Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y84.0 Cardiac catheterization as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y84.1 Kidney dialysis as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y84.2 Radiological procedure and radiotherapy as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Y84.3 Shock therapy as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.4 Aspiration of fluid as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.5 Insertion of gastric or duodenal sound as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.6 Urinary catheterization as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.7 Blood-sampling as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.8 Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
Y84.9 Medical procedure, unspecified as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure

Categories Y85-Y89 deactivated. Replaced with 7th character S for categories V00-Y38

**Supplementary factors related to causes of morbidity classified elsewhere (Y90-Y99)**

Note: These categories may be used to provide supplementary information concerning causes of morbidity. They are not to be used for single-condition coding.

**Y90—Evidence of alcohol involvement determined by blood alcohol level**

Code first any associated alcohol-related disorders (F10)

- **Y90.0** Blood alcohol level of less than 20 mg/100 ml
- **Y90.1** Blood alcohol level of 20-39 mg/100 ml
- **Y90.2** Blood alcohol level of 40-59 mg/100 ml
- **Y90.3** Blood alcohol level of 60-79 mg/100 ml
- **Y90.4** Blood alcohol level of 80-99 mg/100 ml
- **Y90.5** Blood alcohol level of 100-119 mg/100 ml
- **Y90.6** Blood alcohol level of 120-199 mg/100 ml
- **Y90.7** Blood alcohol level of 200-239 mg/100 ml
- **Y90.8** Blood alcohol level of 240 mg/100 ml or more
- **Y90.9** Presence of alcohol in blood, level not specified

Category Y91 deactivated. See category F10

**Y92—Place of occurrence of the external cause**

The following category is for use, when relevant, to identify the place of occurrence of the external cause. Use in conjunction with an activity code.
External Cause of Injury Activity Codes (Y93)

Y93 Activity codes should be used rarely. Use only when external cause of injury codes (V1-Y84) do not explain the cause of injury.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y93.0</td>
<td>Activities involving walking and running Excludes1: walking an animal (Y93.k1) walking or running on a treadmill (Y93.a1)</td>
</tr>
<tr>
<td>Y93.01</td>
<td>Walking, marching and hiking; Walking, marching and hiking on level or elevated terrain: Excludes1; mountain climbing (Y93.31)</td>
</tr>
<tr>
<td>Y93.02</td>
<td>Running</td>
</tr>
<tr>
<td>Y93.1</td>
<td>Activities involving water and water craft; Excludes1: activities involving ice (Y93.2-)</td>
</tr>
<tr>
<td>Y93.11</td>
<td>Swimming</td>
</tr>
<tr>
<td>Y93.12</td>
<td>Springboard and platform diving</td>
</tr>
<tr>
<td>Y93.13</td>
<td>Water polo</td>
</tr>
<tr>
<td>Y93.14</td>
<td>Water aerobics and water exercise</td>
</tr>
<tr>
<td>Y93.15</td>
<td>Underwater diving and snorkeling; SCUBA diving</td>
</tr>
<tr>
<td>Y93.16</td>
<td>Rowing, canoeing, kayaking, rafting and tubing; Canoeing, kayaking, rafting and tubing in calm and turbulent water</td>
</tr>
<tr>
<td>Y93.17</td>
<td>Water skiing and wake boarding</td>
</tr>
<tr>
<td>Y93.18</td>
<td>Surfing, windsurfing and boogie boarding; Water sliding</td>
</tr>
<tr>
<td>Y93.19</td>
<td>Other activity involving water and watercraft; Activity involving water NOS; Parasailing; Water survival training and testing</td>
</tr>
<tr>
<td>Y93.2</td>
<td>Activities involving ice and snow; Excludes1: shoveling ice and snow (Y93.h1)</td>
</tr>
<tr>
<td>Y93.21</td>
<td>Ice skating; Figure skating (singles) (pairs); Ice dancing; Excludes1: ice hockey (Y93.22)</td>
</tr>
<tr>
<td>Y93.22</td>
<td>Ice hockey</td>
</tr>
<tr>
<td>Y93.24</td>
<td>Cross country skiing; Nordic skiing</td>
</tr>
<tr>
<td>Y93.29</td>
<td>Other activity involving ice and snow; Activity involving ice and snow NOS</td>
</tr>
<tr>
<td>Y93.3</td>
<td>Activities involving climbing, rappelling and jumping off; Excludes1: hiking on level or elevated terrain (Y93.01); jumping rope (Y93.56); trampoline jumping (Y93.44)</td>
</tr>
<tr>
<td>Y93.31</td>
<td>Mountain climbing, rock climbing and wall climbing</td>
</tr>
<tr>
<td>Y93.32</td>
<td>Rappelling</td>
</tr>
<tr>
<td>Y93.33</td>
<td>BASE jumping; Building, Antenna, Span, Earth jumping</td>
</tr>
<tr>
<td>Y93.34</td>
<td>Bungee jumping</td>
</tr>
<tr>
<td>Y93.35</td>
<td>Hang gliding</td>
</tr>
<tr>
<td>Y93.39</td>
<td>Other activity involving climbing, rappelling and jumping off</td>
</tr>
<tr>
<td>Y93.4</td>
<td>Activities involving dancing and other rhythmic movement; Excludes1: martial arts (Y93.75)</td>
</tr>
<tr>
<td>Y93.41</td>
<td>Dancing</td>
</tr>
<tr>
<td>Y93.42</td>
<td>Yoga</td>
</tr>
<tr>
<td>Y93.43</td>
<td>Gymnastics; Rhythmic gymnastics; Excludes1: trampolining (Y93.44)</td>
</tr>
<tr>
<td>Y93.44</td>
<td>Trampolining</td>
</tr>
<tr>
<td>Y93.45</td>
<td>Cheerleading</td>
</tr>
<tr>
<td>Y93.49</td>
<td>Other activity involving dancing and other rhythmic movements</td>
</tr>
<tr>
<td>Y93.5</td>
<td>Activities involving other sports and athletics played individually; Excludes1: dancing (Y93.41); gymnastic (Y93.43); trampolining (Y93.44); yoga (Y93.42)</td>
</tr>
<tr>
<td>Y93.51</td>
<td>Roller skating (inline) and skateboarding</td>
</tr>
<tr>
<td>Y93.52</td>
<td>Horseback riding</td>
</tr>
</tbody>
</table>
### External Cause of Injury Activity Codes (Y93)

Y93 Activity codes should be used rarely.

Use only when external cause of injury codes (V1-Y84) do not explain the cause of injury.

<table>
<thead>
<tr>
<th>Code</th>
<th>Activity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y93.53</td>
<td>Golf</td>
</tr>
<tr>
<td>Y93.54</td>
<td>Bowling</td>
</tr>
<tr>
<td>Y93.55</td>
<td>Bike riding</td>
</tr>
<tr>
<td>Y93.56</td>
<td>Jumping rope</td>
</tr>
<tr>
<td>Y93.57</td>
<td>Non-running track and field events; Excludes1: running (any form) (Y93.02)</td>
</tr>
<tr>
<td>Y93.59</td>
<td>Other activity involving other sports and athletics played individually; Excludes1: activities involving climbing, rappelling, and jumping (Y93.3-); activities involving ice and snow (Y93.2-); activities involving walking and running (Y93.0-); activities involving water and watercraft (Y93.1-)</td>
</tr>
<tr>
<td>Y93.6</td>
<td>Activities involving other sports and athletics played as a team or group; Excludes1: ice hockey (Y93.22); water polo (Y93.13)</td>
</tr>
<tr>
<td>Y93.61</td>
<td>American tackle football; Football NOS</td>
</tr>
<tr>
<td>Y93.62</td>
<td>American flag or touch football</td>
</tr>
<tr>
<td>Y93.63</td>
<td>Rugby</td>
</tr>
<tr>
<td>Y93.64</td>
<td>Baseball; Softball</td>
</tr>
<tr>
<td>Y93.65</td>
<td>Lacrosse and field hockey</td>
</tr>
<tr>
<td>Y93.66</td>
<td>Soccer</td>
</tr>
<tr>
<td>Y93.67</td>
<td>Basketball</td>
</tr>
<tr>
<td>Y93.68</td>
<td>Volleyball (beach) (court)</td>
</tr>
<tr>
<td>Y93.69</td>
<td>Other activity involving other sports and athletics played as a team or group; Cricket</td>
</tr>
<tr>
<td>Y93.7</td>
<td>Activities involving other specified sports and athletics</td>
</tr>
<tr>
<td>Y93.71</td>
<td>Boxing</td>
</tr>
<tr>
<td>Y93.72</td>
<td>Wrestling</td>
</tr>
<tr>
<td>Y93.73</td>
<td>Racquet and hand sports; Handball; Racquetball; Squash; Tennis</td>
</tr>
<tr>
<td>Y93.74</td>
<td>Frisbee; Ultimate frisbee</td>
</tr>
<tr>
<td>Y93.75</td>
<td>Martial arts; Combatives</td>
</tr>
<tr>
<td>Y93.79</td>
<td>Other specified sports and athletics activity; Excludes1: sports and athletics activities specified in categories (Y93.0-Y93.6)</td>
</tr>
<tr>
<td>Y93.a</td>
<td>Activity involving other cardiorespiratory exercise; Activity involving physical training</td>
</tr>
<tr>
<td>Y93.a1</td>
<td>Exercise machines primarily for cardiorespiratory conditioning; Elliptical and stepper machines; Stationary bike; Treadmill</td>
</tr>
<tr>
<td>Y93.a2</td>
<td>Calisthenics; Jumping jacks; Warm up and cool down</td>
</tr>
<tr>
<td>Y93.a3</td>
<td>Aerobic and step exercise</td>
</tr>
<tr>
<td>Y93.a4</td>
<td>Circuit training</td>
</tr>
<tr>
<td>Y93.a5</td>
<td>Obstacle course; Challenge course; Confidence course</td>
</tr>
<tr>
<td>Y93.a6</td>
<td>Grass drills; Guerilla drills</td>
</tr>
<tr>
<td>Y93.a9</td>
<td>Other activity involving other cardiorespiratory exercise; Excludes1: activities involving cardiorespiratory exercise specified in categories (Y93.0-Y93.7)</td>
</tr>
<tr>
<td>Y93.b</td>
<td>Activity involving other muscle strengthening exercises</td>
</tr>
</tbody>
</table>
**External Cause of Injury Activity Codes (Y93)**

Y93 Activity codes should be used rarely.

Use only when external cause of injury codes (V1-Y84) do not explain the cause of injury.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y93.b1</td>
<td>Exercise machines primarily for muscle strengthening</td>
</tr>
<tr>
<td>Y93.b2</td>
<td>Push-ups, pull-ups, sit-ups</td>
</tr>
<tr>
<td>Y93.b3</td>
<td>Free weights; Barbells; Dumbbells</td>
</tr>
<tr>
<td>Y93.b4</td>
<td>Pilates</td>
</tr>
<tr>
<td>Y93.b9</td>
<td>Other activity involving other muscle strengthening exercises; Excludes1: activities involving muscle strengthening specified in categories (Y93.0-Y93.a)</td>
</tr>
<tr>
<td>Y93.c</td>
<td>Activities involving computer technology and electronic devices; Excludes1: electronic musical keyboard or instruments (Y93.j-)</td>
</tr>
<tr>
<td>Y93.c1</td>
<td>Computer keyboarding; Electronic game playing using keyboard or other stationary device</td>
</tr>
<tr>
<td>Y93.c2</td>
<td>Hand held interactive electronic device; Cellular telephone and communication device; Electronic game playing using interactive device; Excludes1: electronic game playing using keyboard or other stationary device (Y93.c1)</td>
</tr>
<tr>
<td>Y93.c9</td>
<td>Other activity involving computer technology and electronic devices</td>
</tr>
<tr>
<td>Y93.d</td>
<td>Activities involving arts and handcrafts; Excludes1: activities involving playing musical instrument (Y93.j-)</td>
</tr>
<tr>
<td>Y93.d1</td>
<td>Knitting and crocheting</td>
</tr>
<tr>
<td>Y93.d2</td>
<td>Sewing</td>
</tr>
<tr>
<td>Y93.d3</td>
<td>Furniture building and finishing; Furniture repair</td>
</tr>
<tr>
<td>Y93.d9</td>
<td>Activity involving other arts and handcrafts</td>
</tr>
<tr>
<td>Y93.e</td>
<td>Activities involving personal hygiene and household maintenance; Excludes1: activities involving cooking and grilling (Y93.g-); activities involving property and land maintenance, building and construction (Y93.h-); activity involving persons providing caregiving (Y93.f-); dishwashing (Y93.g1); food preparation (Y93.g1); gardening (Y93.h2)</td>
</tr>
<tr>
<td>Y93.e1</td>
<td>Personal bathing and showering</td>
</tr>
<tr>
<td>Y93.e2</td>
<td>Laundry</td>
</tr>
<tr>
<td>Y93.e3</td>
<td>Vacuuming</td>
</tr>
<tr>
<td>Y93.e4</td>
<td>Ironing</td>
</tr>
<tr>
<td>Y93.e5</td>
<td>Floor mopping and cleaning</td>
</tr>
<tr>
<td>Y93.e6</td>
<td>Residential relocation; Packing up and unpacking involved in moving to a new residence</td>
</tr>
<tr>
<td>Y93.e8</td>
<td>Other personal hygiene activity</td>
</tr>
<tr>
<td>Y93.e9</td>
<td>Other household maintenance</td>
</tr>
<tr>
<td>Y93.f</td>
<td>Activities involving person providing caregiving</td>
</tr>
<tr>
<td>Y93.f1</td>
<td>Caregiving involving bathing</td>
</tr>
<tr>
<td>Y93.f2</td>
<td>Caregiving involving lifting</td>
</tr>
<tr>
<td>Y93.f9</td>
<td>Other activity involving person providing caregiving</td>
</tr>
<tr>
<td>Y93.g</td>
<td>Activities involving food preparation, cooking and grilling</td>
</tr>
<tr>
<td>Y93.g1</td>
<td>Food preparation and clean up; Dishwashing</td>
</tr>
<tr>
<td>Y93.g2</td>
<td>Grilling and smoking food</td>
</tr>
<tr>
<td>Y93.g3</td>
<td>Cooking and baking; Use of stove, oven and microwave oven</td>
</tr>
<tr>
<td>Y93.g9</td>
<td>Other activity involving cooking and grilling</td>
</tr>
<tr>
<td>Y93.h</td>
<td>Activities involving property and land maintenance, building and construction</td>
</tr>
</tbody>
</table>
**External Cause of Injury Activity Codes (Y93)**

Y93 Activity codes should be used rarely. Use only when external cause of injury codes (V1-Y84) do not explain the cause of injury.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y93.h1</td>
<td>Digging, shoveling and raking; Dirt digging; Raking leaves; Snow shoveling</td>
</tr>
<tr>
<td>Y93.h2</td>
<td>Gardening and landscaping; Pruning, trimming shrubs, weeding</td>
</tr>
<tr>
<td>Y93.h3</td>
<td>Building and construction</td>
</tr>
<tr>
<td>Y93.h9</td>
<td>Other activity involving property and land maintenance, building and construction</td>
</tr>
<tr>
<td>Y93.i</td>
<td>Activities involving roller coasters and other types of external motion</td>
</tr>
<tr>
<td>Y93.i1</td>
<td>Rollercoaster riding</td>
</tr>
<tr>
<td>Y93.i9</td>
<td>Other activity involving external motion</td>
</tr>
<tr>
<td>Y93.j</td>
<td>Activities involving playing musical instrument; Activity involving playing electric musical instrument</td>
</tr>
<tr>
<td>Y93.j1</td>
<td>Piano playing; Musical keyboard (electronic) playing</td>
</tr>
<tr>
<td>Y93.j2</td>
<td>Drum and other percussion instrument playing</td>
</tr>
<tr>
<td>Y93.j3</td>
<td>String instrument playing</td>
</tr>
<tr>
<td>Y93.j4</td>
<td>Winds and brass instrument playing</td>
</tr>
<tr>
<td>Y93.k</td>
<td>Activities involving animal care; Excludes1: horseback riding (Y93.52)</td>
</tr>
<tr>
<td>Y93.k1</td>
<td>Walking an animal</td>
</tr>
<tr>
<td>Y93.k2</td>
<td>Milking an animal</td>
</tr>
<tr>
<td>Y93.k3</td>
<td>Grooming and shearing an animal</td>
</tr>
<tr>
<td>Y93.k9</td>
<td>Other activity involving animal care</td>
</tr>
<tr>
<td>Y93.8</td>
<td>Other activity</td>
</tr>
<tr>
<td>Y93.81</td>
<td>Refereeing a sports activity</td>
</tr>
<tr>
<td>Y93.82</td>
<td>Spectator at an event</td>
</tr>
<tr>
<td>Y93.83</td>
<td>Rough housing and horseplay</td>
</tr>
<tr>
<td>Y93.84</td>
<td>Sleeping</td>
</tr>
<tr>
<td>Y93.89</td>
<td>Other activity</td>
</tr>
<tr>
<td>Y93.9</td>
<td>Unspecified activity</td>
</tr>
<tr>
<td>Y93.89</td>
<td>Other activity</td>
</tr>
<tr>
<td>Y93.9</td>
<td>Unspecified activity</td>
</tr>
</tbody>
</table>