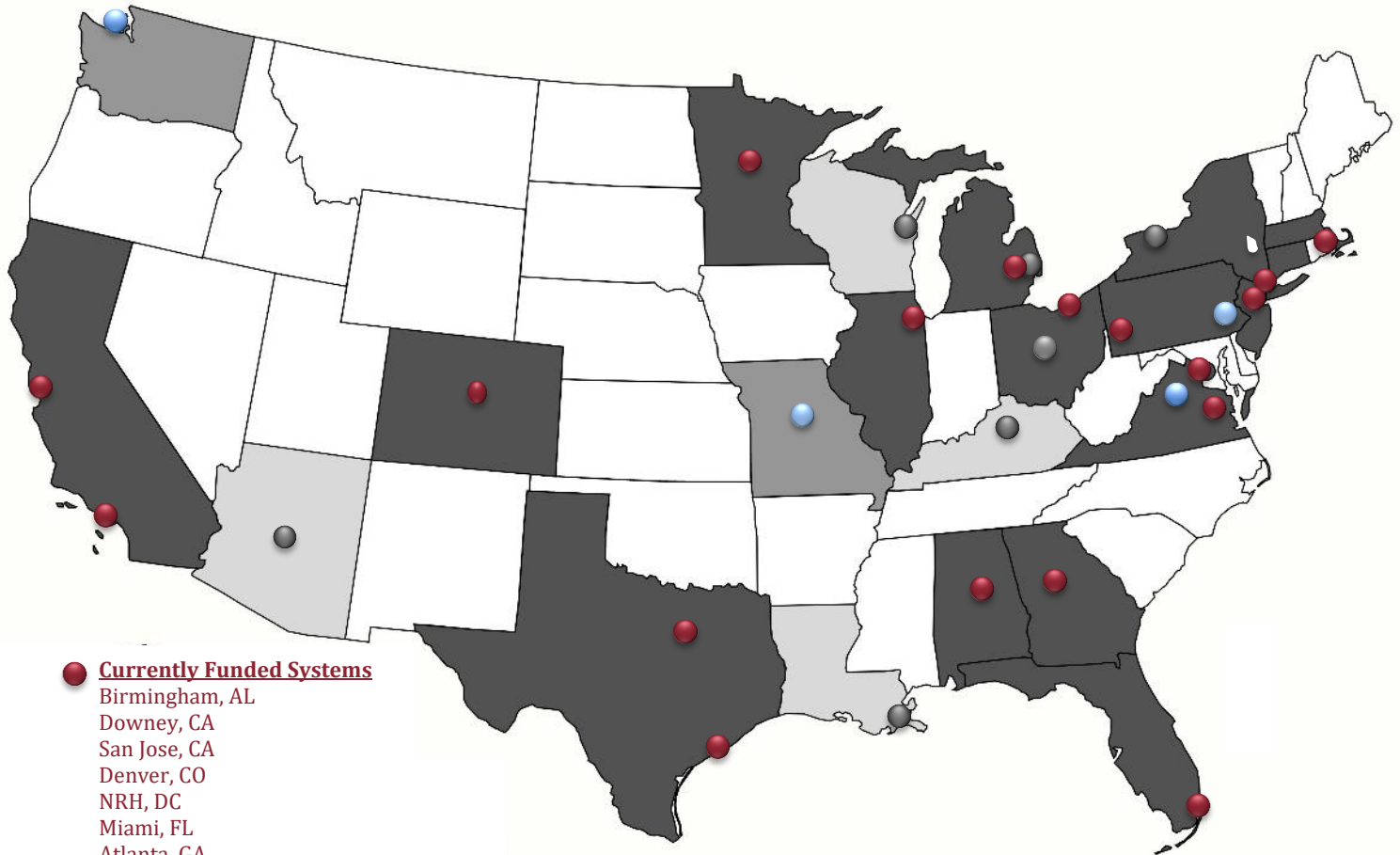


SCIMS 2024 Annual Report - Complete Public Version



Currently Funded Systems

Birmingham, AL
Downey, CA
San Jose, CA
Denver, CO
NRH, DC
Miami, FL
Atlanta, GA
Chicago, IL
Boston, MA
Ann Arbor, MI
Minnesota
West Orange, NJ
Mount Sinai, NY
Cleveland, OH
Pittsburgh, PA
Dallas, TX
Houston, TX
Richmond, VA

Form II Collection

Columbia, MO
Philadelphia, PA
Fishersville, VA
Seattle, WA

Previously Funded Systems

Phoenix, AZ
Louisville, KY
New Orleans, LA
Detroit, MI
NYU, NY
Rochester, NY
Columbus, OH
Milwaukee, WI

THE 2024 ANNUAL STATISTICAL REPORT

COMPLETE PUBLIC VERSION

for the

SPINAL CORD INJURY MODEL SYSTEMS

This is a publication of the National Spinal Cord Injury Statistical Center, Birmingham, Alabama

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Part I

The National Spinal Cord Injury Statistical Center Activities

September 2021 – August 2026

The current grant cycle of the Spinal Cord Injury Model Systems (SCIMS) and the National Spinal Cord Injury Statistical Center (NSCISC) began on September 1, 2021 and ends on August 31, 2026. This report summarizes the activities pertaining to SCIMS data collection as well as database management and utilization that have occurred during the first three years of the grant cycle. Data collection for the new cycle began 1 month before the end of the 2016 – 2021 grant cycle.

National SCI Statistical Center

In 1983, the University of Alabama at Birmingham's Department of Rehabilitation Medicine received federal funds to establish a national SCI data center for the SCIMS. Prior to 1983, the National Spinal Cord Injury Data Research Center (Phoenix AZ) served the SCIMS between 1973 and 1981. Today, UAB's National Spinal Cord Injury Statistical Center (NSCISC) supervises and directs the collection, management and analysis of the world's largest spinal cord injury database for SCIMS throughout the United States. In each SCI Model System, personnel collect and submit acute, rehabilitation and follow-up (long-term post-discharge) data on SCI patients who received care in the "System" following injury.

The National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) funded 14 SCIMS Centers on September 1, 2021 to the end the cycle, August 31, 2026. Beginning September 1, 2022, 4 additional Centers were funded by NIDILRR. Currently, 18 funded centers and 4 follow-up centers submitted data to the NSCISC.

To assure comparability of data acquired by personnel in various centers, rigid scientific criteria have been established for the collection, management and analysis of information entered to the database. Moreover, the NSCISC staff developed quality control procedures that further enhance the reliability and validity of the database.

Current Model Systems

- Alabama
University of Alabama at Birmingham SCI Care System -- UAB Spain Rehab Center
Birmingham, AL 205-934-3283
- California
Southern California Spinal Cord Injury Model System -- Rancho Los Amigos National
Rehabilitation Center, CA 562-385-8111

Northern California Spinal Cord Injury Model System of Care -- Santa Clara Valley Medical
Center, San Jose, CA 800-352-1956
- Colorado
Rocky Mountain Regional Spinal Injury System -- Craig Hospital, Englewood, CO 303-789-
8306
- Washington D.C.
National Capitol SCIMS at MedStar National Rehabilitation Hospital, Washington, DC. 202-
877-1694
- Florida
South Florida Spinal Cord Injury Model System --University of Miami, FL 305-243-3860
- Georgia
Southeastern Regional Spinal Cord Injury Model System -- Shepherd Center, Atlanta, GA
404-353-2020
- Illinois
Midwest Regional Spinal Cord Injury Care System – Shirley Ryan AbilityLab Chicago, IL 312-
238 2802
- Massachusetts & Connecticut
Spaulding New England Regional Spinal Cord Injury Center -- Spaulding Rehabilitation
Hospital, Boston, MA 617-952-6174 and Gaylord Specialty Healthcare, Wallingford, CT 203-
679-3563
- Michigan
University of Michigan Spinal Cord Injury Model System, Ann Arbor, MI 734-763-0971
- Minnesota
Minnesota Regional Spinal Cord Injury Model System, 612-626-5399 (Option 7)

- New Jersey
Northern New Jersey Spinal Cord Injury System -- Kessler Institute for Rehabilitation and Keller Foundation, West Orange, NJ 973-324-3567
- New York
Mount Sinai Hospital Spinal Cord Injury Model System -- Icahn of Medicine at Mount Sinai New York, NY 212-241-3084
- Ohio
Northeast Ohio Regional Spinal Cord Injury System -- Case Western Reserve University Cleveland, OH 216-957-3562
- Pennsylvania
University of Pittsburgh Spinal Cord Injury Model System, Pittsburgh PA 412-232-7949
- Texas
Baylor Scott & White Spinal Cord Injury Model System, Dallas TX 214-820-9988

Texas Model Spinal Cord Injury System – TIRR Memorial Hermann Houston, TX 713-797-5972
- Virginia
Richmond Virginia Spinal Cord Injury Model System – Virginia Commonwealth University, VA 804-828-5232

Follow-up Centers

The following centers are former model systems and submit follow-up data.

- Pennsylvania
Regional Spinal Cord Injury System of the Delaware Valley – Thomas Jefferson University Hospital and Magee Rehabilitation Hospital Philadelphia, PA 215-955-6579
- Washington, Seattle
Northwest Regional SCI System, University of Washington, Seattle, WA (800) 366-5643
- Missouri
Columbia, Missouri (collected by NSCISC 205-934-3283)
- Virginia
Fishersville, Virginia (collected by NSCISC 205-934-3283)

Former and Non-participating SCI Systems:

Data from currently non-participating SCI systems (Phoenix, AZ; Louisville, KY; New Orleans, LA; Detroit, MI; NYU, NY; Rochester, NY; Columbus, OH and Milwaukee WI) have been included.

For more information and resources:

National Spinal Cord Injury Statistical Center

www.nscisc.uab.edu

Spinal Cord Injury Information Network

www.spinalcord.uab.edu

Model System Knowledge Translations Center-Spinal Cord Injury

www.MSKTC.org/sci



Access Spinal Cord
Injury Resources

National Institute on Disability, Independent Living and Rehabilitation Research

<https://www.acl.gov/programs/research-and-development>

NSCISC Web Site

The NSCISC public information web pages include Frequently Asked Questions, National SCI Database information, life expectancy calculator, intercultural resources, publications, and documents available at no cost. An analysis of the NSCISC domain using Google Analytics since December 2024, showed the NSCISC website averaged 3,000 visits per month, 47% of which were first time visitors. The majority (81%) were from the Americas, 10% from Europe, 7% were from Asia, and the rest were from other continents.

In March 2024, there were about 5,000 links on the internet to one or more pages of the NSCISC website. The number of links to the NSCISC site by other sites and the replication of NSCISC data on them reflects the value, usefulness, and clarity of the information offered by the NSCISC.

Facts and Figures at a Glance

The Facts and Figures at a Glance highlights demographic and high interest variables such as cause of injury, injury characteristics, employment status, lifetime costs and life expectancy by categorical level of injury. The Journal of Spinal Cord Medicine publishes this report on a regular basis. The 2025 Facts and Figures is available in English and Spanish, along with historic Facts and Figures at a Glance, and have been archived on the [NSCISC web site](#).

Public versions of the NSCISC Annual Reports

The NSCISC edits Annual Statistical Reports for public use by removing the stratification of the data by SCIMS so that only aggregate information is published. Annual Reports for 2022, 2023 and end of cycle reports for 2021, 2016, 2011 and 2006 are available to the public on the NSCISC web site at [NSCISC Reports](#).

Fact Sheets

The NSCISC is creating a set of informational fact sheets that summarize data and recent trends in spinal cord injury. The first of the set is entitled '[Recent Trends in Causes of Spinal Cord Injuries](#)' and is posted for the public. This fact sheet is updated annually.

Quick Tools: Life Expectancy

To better serve NSCISC consumers, the [Life Expectancy Calculator](#) is a quick search tool to provide an estimate for the life expectancy of a person with spinal cord injury who: is at least 2 years post-spinal cord injury, has access to good quality healthcare, is not on a ventilator and has not regained all normal feeling and movement, in which case life expectancy is considered the same as the general population.

Quick Tools: Leading Cause of Spinal Cord Injury

Another dynamic tool, [Leading Cause of SCI](#), provides cause of spinal cord injury by date range (usually in 5-year time frame), Race/Ethnicity, and Sex. For example, this tool can calculate the leading cause of SCI using data entered into the National SCI Database from 2000 to 2004 for Hispanic males.

Part II

Status of the National SCI Database: Tables 1-10

All data submitted to the NSCISC for this cycle by August 16, 2024 are included in this report. In brief, the Form I dataset includes baseline demographic and clinical information of people who met eligibility criteria and the Form II dataset includes sociodemographic and outcome data of Form I participants obtained at follow-up. In 1987, the Registry dataset was created to store limited baseline information of people who did not fully qualify for enrollment.

As of August 16, 2024, the National SCI Database contained information on 37,866 Form I participants and 134,993 Form II records successfully collected from 31,303 participants by phone, in person, online, by chart review, or by mailed survey. Records with no collected data (those deemed 'Lost to Follow-up') are not included in these tables. The combined total of Registry, Form I, and Form II records in the National SCI Database is 189,034 records. (**Table 1: Total forms entered into the National SCI Database as of August 16, 2024**)

Increase in the Number of Records: Tables 2 – 4

Table 2 reports the number of new records entered into the database since the last Annual Report on August 25, 2023. The number of Registry participants has increased by 387, the number of Form I records has increased by 875, and the number of Form II records has increased by 2,307 (excluding those deemed 'Lost to Follow-up').

Since the beginning of the 2021-2026 funding cycle, the number of Registry records has increased by 1,014, the number of Form I records has increased by 2,195, and the number of Form II records has increased by 5,878 (excluding those 'Lost to Follow-up') (**Table 3**).

Table 4 presents the total number of Form I participants who were admitted since September 1, 2021 and the count and percentage of these participants who were admitted the day of or the day following the injury (classified as Day-1 Admissions). This information is provided because the reporting procedures implemented in November 1995 resulted in a substantial increase in the number of variables collected on participants who enter the System as Day-1 Admissions.

Nationally, 27.1% of participants admitted since September 1, 2021 have been Day-1 Admissions ranges from 71.7% to 0.0%.

Participants by Year of Injury and Year of Data Collection: Tables 5 – 9

The number of participants entered into the National SCI Database by years of injury is depicted in **Tables 5 - 7**. These tables represent Registry, Form I, and Form I Day-1 admission records.

In December 1981, funding was suspended for the National SCI Data Research Center (NSCIDRC) in Phoenix, AZ. Its successor, the UAB-SCI Data Management Service, did not initiate formal operations until March 1, 1983. The decline in participants entered into the database in both 1981 and 1982 is undoubtedly the result of this interruption. The decline in participants enrolled in the National SCI Database since 1984 is the result of fewer Systems being funded by NIDILRR than in previous years.

Table 5 presents the number of Registry participants enrolled by year of injury. The data reflect the historical changes in the SCIMS program. In 1987, criteria for enrollment in the National SCI Database were changed by restricting eligibility to participants admitted to the System within 60 days of injury (the previous criterion was 1 year) and more narrowly defining System catchment areas. Because of this restriction, an additional Registry form was created to collect limited demographic data on those participants who no longer meet eligibility requirements for full data collection.

Variation in Form I participant enrollment is primarily due to three factors: number of funded Systems, eligibility criteria, and size of funded Systems (**Table 6**). The number of funded Systems changed in 1985, 1990, 2000, 2006 and in 2022 four additional Centers were funded (see chart below) as a result of NIDILRR's competitive selection policy. Eligibility criteria were changed in 1987, restricting Form I enrollment, then in 2000, the eligibility criteria were changed to reflect pre-1987 requirements.

Years	1985- 1990	1990- 1995	1995- 2000	2000- 2006	2006- 2011	2016- 2021	2021- 2026
# of Systems	13	13	18	16	14	14	18

'Date of Injury' and 'Date of Admission to System' data have been collected since 1973. **Table 7** reflects the Form I Day-1 admissions since then. New reporting procedures were implemented in 1995, leading to a substantial number of additional variables collected on participants who entered the System the day of or the day following their injury (Day-1 admissions).

Table 8 presents the total number of follow-up records in the database for each post-injury year. Totals do not include the Form II records that are coded 'Lost to Follow-up.'

Table 9 presents the total number of follow-up records in the database for each post-injury year by calendar year of data collection. Prospective Form II follow-up data collection began in 1975, originally on a yearly basis. From 1996 through September 2000, Form II was collected in post-

injury years 1, 2, 5, and 10 and every 5 years thereafter for all participants, except for a sample of 125 participants from each System for whom a reduced set of Form II data was collected every year. To further reduce the workload, beginning in October 2000, Form II data collection was no longer required at year 2, with one exception: if a participant was still hospitalized for his/her initial hospital care during the first anniversary year, the year 2 (but not year 1) follow-up would be required. In addition, the collection of Form II data yearly from 125 participants per System was terminated. The decrease in the number of Form II records for off-years reflects such changes in the frequency of follow-up data collection. The date on which a record is first entered into the database has been documented since October 1986. Data reported to the database between 1975 and 1986 were thus combined as one group in the table.

Participant Status: Tables 10

Table 10 describes the status of Form I participants. The status is listed in hierarchical order. For example, 'Deceased' supersedes all other codes. Of the 37,866 Form I participants reported to the database since 1972, 36.0% were deceased, 6.4% reached neurologic recovery, 3.7% withdrew consent, and the identity of 2.4% was lost due to break in funding; 51.4% are still eligible for Form II follow-up.

Cause of Death: Table 11

All survival analyses in this report use the Collaborative SCI Survival Study database maintained at the NSCISC. This database contains considerably more patients than the National SCI Database contains and has much longer follow-up on individual patients through use of the Social Security Death Index (SSDI), Equifax Nationwide Death Search, on-line obituaries, and the National Death Index (NDI). The Collaborative SCI Survival Study database includes Form I and Registry participants as well as other patients who were treated at an SCI Model System but are not in the National SCI Database. The Collaborative SCI Survival Study database is also the database that was used to produce the chapter on long-term survival and causes of death that was included in the book Spinal Cord Injury: Clinical Outcomes from the Model Systems, published in 1995. Therefore, these data represent an update of the 1992 estimates provided in that book chapter as well as an update of the 2023 Annual Report.

Primary cause of death for the 19,504 deceased participants in the Collaborative SCI Survival Study database appears in **Table 11**. Only people admitted to a System since 1973 and treated at a System within 1 year of injury were included in this analysis. The number of deaths with unknown causes is high because searches of the NDI for causes of death have only been conducted with results for 2022 and preliminary results for 2023. As a result, there are still 2,251 (11.5%) persons whose primary cause of death is unknown, and these were not included in the calculation of any percentages.

In participants for whom cause of death is known, diseases of the respiratory system were the leading cause of death (64.8% of these were cases of pneumonia). The second leading cause of death was infectious and parasitic diseases. These were usually cases of septicemia (86.7%) and

were usually associated with decubitus ulcers, urinary tract infections, or respiratory infections. Also included in this category were 93 cases of AIDS (4.3%) and 100 COVID cases (4.6%). Cancer ranked third, followed by hypertensive and ischemic heart disease. Specific locations of cancer included lung (460 cases, 23.9%), followed by bladder (204 cases, 10.6%); colon/rectum (164 cases, 8.5%); prostate (93 cases, 4.8%); and liver (86 cases, 4.5%). Other heart disease ranked fifth; however, these cases were often unexplained heart attacks (34.4%, ICD10CM code I46.9) that usually do not represent a true underlying cause of death. Rather, such cases reflect the relatively poor quality of cause-of-death data and reporting practices on many death certificates of SCI patients. Hence, mortality from other heart diseases is probably overestimated.

Unintentional injuries were the sixth leading cause of death, followed by diseases of the digestive system, cerebrovascular disease, endocrine, nutritional and metabolic conditions, suicide, urinary system diseases and diseases of pulmonary circulation (91.1% of which were cases of pulmonary emboli). Pulmonary emboli usually occurred prior to first definitive discharge.

It should be noted that the categories of 'Unintentional injuries,' 'Suicides,' and 'Homicides' do not include any persons dying from multiple injuries sustained during the original accident. However, these categories do include people involved in fatal events following discharge. If the 155 cases of subsequent trauma of uncertain nature were divided proportionately between the following three categories, then an additional 100 unintentional injuries, 43 suicides, and 12 homicides would have taken place.

Within the first year after injury, the top five leading causes of death were respiratory diseases (30.4%), other heart diseases (13.5%), infective and parasitic diseases (9.7%), pulmonary circulation diseases (8.7%), and hypertensive and ischemic heart diseases (7.1%). Among people who survived the first year after injury, respiratory diseases were the leading cause of death (19.6%), followed by infective and parasitic diseases (13.1%), cancer (12.1%), hypertensive and ischemic heart diseases (11.0%), and other heart diseases (7.2%).

Long-Term Survival: Tables 12

Table 12 presents cumulative survival for the Collaborative SCI Survival Study database. Only people injured since 1973 and treated at a System within 1 year of injury were included in this analysis. Data from currently non-participating Systems are included in the national table.

Patients were considered 'Withdrawn Alive' if: 1) a follow-up form (Form II) for 2024 or later was submitted, indicating the patient was known to be alive, 2) the patient's follow-up was discontinued due to neurologic recovery or transfer to another System, or 3) searches performed in 2024 did not indicate a reported death. The proportion of patients who died in each post-injury year ranged from 6.11% in year 45 to 1.75% in year 5. Annual death rates for those who survived the first post-injury year averaged 2.92% and increased over time as the population aged.

The cumulative 10-, 20-, 30-, 40-, and 50-year survival rates for patients with an SCI were 80.59%, 65.31%, 50.61%, 36.39%, and 22.67% respectively. Median (50%) survival for the total sample is estimated to occur 30 years after injury. However, because of the high proportion of losses to follow-up, as well as the known under-reporting of SCI fatalities occurring shortly after injury, this information should be interpreted with caution. It is likely some patients were lost to follow-up because they died. Therefore, these annual mortality rates may be underestimated.

Standardized Mortality Ratios: Tables 13 – 14

Standardized mortality ratios (SMRs) for the Collaborative SCI Survival Study database by neurologic level of injury, ASIA Impairment Scale (AIS) grade, and current age appear in **Table 13**. The AIS is used to quantify the degree of residual neurologic function. All people who were admitted within 1 year of injury to a System since 1973 and survived at least 24 hours after injury were included in this analysis. Comparable SMRs for people who survive the first post-injury year appear in **Table 14**. For each neurologic category and age group, the observed number of deaths was compared to an expected number of deaths based on observed length of follow-up and age-sex-race-specific mortality rates for the general U.S. population in 2004 using methods outlined in detail by Smart and Sanders¹. The year 2004 was chosen because it was the mid-year of follow-up for the SCI population. All follow-up data through 2024 were used.

Differences in calculated SMR values between **Tables 13 and 14** increase with increasing injury severity due to the much higher first-year mortality rates among more severely injured persons. The SMR is statistically significant for all neurologic groups in both 24-hour and 1-year survivors. Among 1-year survivors, those who are ventilator-dependent and less than 31 years of age have 47.23 times greater mortality than persons of the same age, sex, race, and length of follow-up who do not have an SCI, while persons who have an AIS D injury and are at least 61 years of age, regardless of injury level, have only 1.60 times greater mortality than their counterparts without an SCI.

Life Expectancy: Tables 15 – 16

Life expectancies for SCI patients who survived at least 24 hours after injury, by age at injury (in 5-year intervals) and neurologic level and extent of lesion, appear in **Table 15**. Comparable estimates for people who survived the first post-injury year, by current age, appear in **Table 16**. These life expectancy estimates were calculated based on applying the SMR values from Tables 13 and 14 to the life table for the U.S. general population in the year 2021.

Prior to 2016, life expectancy estimates contained in NSCISC annual reports were based on applying a constant SMR for each neurologic group to all ages. That was the method used by SCI researchers when the NSCISC began making these calculations. However, as sample sizes and lengths of follow-up increased, it became clear that the SMR decreased significantly as age increased. Therefore, this method (the use of a constant SMR with advancing age) typically results in an overestimation of life expectancy at younger ages and an underestimation of life expectancy at older ages, particularly for more severely impaired people. As a result, more

recent reports of life expectancy based on the SMR method use age-specific SMR values for each neurologic group, such as those appearing in Tables 13 and 14. Until 2016, the NSCISC continued to report life expectancy estimates in its annual reports based on a single SMR for each neurologic group to maintain consistency and facilitate evaluation of trends over time. However, the NSCISC believes the benefits of comparability to recently published studies combined with enhanced precision of life expectancy estimates derived from using age-specific SMRs now outweigh the benefits of maintaining consistency with previous methods of calculation. Therefore, since 2016, life expectancy estimates have been based on age-specific SMRs.

Most life expectancy estimates contained in this annual report are slightly lower than those contained in the 2023 annual report due mainly to lingering effects of the COVID pandemic. Now that COVID mortality rates have subsided, it is anticipated that life expectancies will return to their pre-pandemic levels. Readers interested in more precise estimates are referred to the NSCISC website life expectancy calculator that includes other risk factors such as sex, cause of injury and health insurance status; separates age, injury levels and AIS grades more precisely; and takes any historical trends in life expectancy into account by using the more flexible and statistically powerful method of person-year multiple logistic regression. Methods for estimating life expectancy that are used by the NSCISC website calculator are detailed in two articles by Strauss et al.³ and DeVivo⁴.

Life expectancies for people with SCI remain substantially below normal, particularly for persons with tetraplegia and ventilator dependency. Moreover, although mortality rates during the first post-injury year have decreased steadily since the 1970s, annual mortality rates after the first post-injury year have not changed since the early 1980s. Therefore, although general population life expectancy is increasing, life expectancy for persons with SCI who have survived the first year after injury has remained relatively constant, and the gap in life expectancy between persons with SCI and the general population of comparable age, sex, and race, is increasing.

Values in these tables should be considered rough estimates of life expectancy of individual persons because the neurologic categories are rather broad. At a minimum, important prognostic factors that should be considered in determining an individual life expectancy include age, exact neurologic level of injury (particularly among persons with tetraplegia), AIS grade, length of survival that has already occurred after injury, and to a lesser extent, etiology of injury, gender, race, education, and access to care (availability of good insurance coverage or other financial resources)². Significant co-morbidities (cancer, heart disease, diabetes, etc.) should also be considered when present³.

Form II Follow-up Status: Tables 17-20

Table 17 describes the type of medical care provided to the participant. Out of 208,639 records, 34.5% of participants came into a System for an appointment during the follow-up window (18 months). The variation between Systems in the category of 'System Appointments' was distinct, ranging from 18.1% to 54.4% . This table includes all records (Year Due 1, 2, 3, 4, 5, ...) in the

database. The coding category of 'Future Follow-up Not Required' is for those participants who achieve minimal deficit, defined as no significant motor, bladder or bowel, or neurologic impairment. For these participants, Form II follow-up is not required, but Systems may choose to continue interviews.

Table 18 categorizes the type of follow-up by participants grouped according to post-injury year. Including those 'Lost' due to break in funding, the percentage of eligible participants lost to follow-up ranged from 17.0% for post-injury year 1 participants to 61.9% for post-injury year 20 participants. Prior to coding a Form II as 'Lost,' the following minimal tracking activities are required: 1) SSDI, Genealogy, or other death search sites are checked for record of death; 2) System records are searched for recent activity and updated contact information; 3) at least two free internet searches and a fee-based search are conducted, if available; 4) viable phone numbers are called at least six times at different times of the day and week; and 5) a Form II Survey is mailed to a viable address.

Table 19 documents the reasons why follow-up data are not obtainable for those participants whose category of follow-up care is 'Lost.' This 'Reason for Lost' variable was added to the database in January 1998 with four categories, including the 'Other' category used to determine if expanded coding categories will be needed in the future. In 2007, the 'Refused/Withdrawn' code was separated into two codes to allow participants to refuse this interview (and be contacted in the next cycle) or to withdraw from the study and not be contacted again unless re-consented. The 'Identity Unknown' code was included in 2009 to be used by Systems in identifying participants whose identity is no longer available due to the break in funding. To help specify the reason for 'Unable to Contact,' the following five codes were added to the database in October 2011: 1) 'Contact made but survey not completed,' 2) 'Attempted contact but language barrier prevented collection,' 3) 'Attempted contact but moved out of country,' 4) 'No contact - Apparently valid contact information,' and 5) 'No contact - No valid contact information.' The 'Identity unknown to NSCISC' code was also added in October 2011 for participants enrolled by de-funded Systems, whose identity may still be known at the enrolling System but is not available to the NSCISC for data collection.

Before October 2011, once a Form II was submitted as 'Lost,' future follow-up was still pursued but no additional Form II coded 'Lost' was required at next follow-up if that participant was still 'Lost.' This policy changed in the 2016-2021 grant cycle. The submission of a Form II for previously lost participants is now required for the eligible anniversary year (1, 5, 10, 15, etc.) unless participants died, reached neurologic recovery, or withdrew consent, or their identifying information was lost. To fill gaps in the existing database, approximately 33,846 Form II records were inserted to reflect the 'Lost' status at the beginning of the 2011-2016 cycle, and the reason for lost was either coded as 'Break in funding' for unfunded Systems or 'Unknown' for funded Systems. This explains why a large percentage was reported as 'Unknown.'

Table 20 presents an analysis of how interviews were conducted; this variable has been collected since 1996. Analysis was performed on required follow-up years only (1, 5, 10, etc.). Of the 56,636 records, 71.3% were conducted by phone, with percentages ranging by System from 36.5 to 87.2%. Self-administered (mailed) interviews were conducted 9.1% of the time, with percentages ranging by System from 0.0% to 28.8%. Of all interviews, 8.0% were conducted in person, with percentages ranging by System from 0.0% to 43.4%. Nationally, 7.4% of all interviews used a combination of methods (i.e., in-person, by phone, and/or by mail/email/online), with percentages ranging by System from 0.0% to 37.0%.

Part III

Descriptive Analysis of the National SCI Database: Tables 21-190

Introduction

The tables presented in this report are based on a descriptive analysis of most of the variables in the National SCI Database. The Form II variables are primarily analyzed by anniversary year of follow-up and presented in a national aggregate format. The narrative for each of the following tables is restricted to analysis of national aggregate data and intersystem variability within the database.

Starting in 1995, revised Form II reporting procedures required submission of Form IIs for all participants in post-injury years 1, 2, 5, and 10, and every 5 years thereafter. Beginning in October 2000, Form II data collection was no longer required at year 2, with one exception: if a participant was still hospitalized for his/her initial hospital care during the first anniversary year, the year 2 (but not year 1) follow-up would be required. For this reason, there has been a significant decrease in the number of records in all the other post-injury years. Therefore, most of the Form II analyses are restricted only to post-injury years 1, 5, 10, 15, 20, 25, 30, 35, 40, 45 and 50.

Lost and Unknown Categories

Since differential losses to follow-up may mask time trends within the data, participants who are lost to follow-up are not included in the tables depicting Form II data. The underlying assumption is that participants who are lost to follow-up will be distributed proportionately across categories in the same way as successfully followed participants.

Data classified as 'Unknown' represent those participants who are being followed but for whom that specific information is unavailable. Therefore, a high proportion of 'Unknown' entries indicate unusual data collection difficulties.

Cross-sectional versus Longitudinal Analysis

Changes in percentages or mean scores over post-injury years must be interpreted cautiously. This is a cross-sectional analysis, and the participants at post-injury year 30 are not the same as those at post-injury year 1, for example. Part of the increase or decrease in scores over time could be due to differential survival of people with better health or care as well as due to differential loss to follow-up. A truly accurate assessment of changes over time will require a longitudinal approach and multivariate analysis.

Statistical Measures

Data of a categorical nature are presented as frequency and percentage. For continuous variables, the central tendency is measured by mean or median as appropriate. In some tables, the standard deviation (S.D.) is used to measure the dispersion of the population mean (i.e., how closely individual participant values cluster around the mean). If data are normally distributed, 95% of all observed values will fall within 1.96 S.D.s of the mean.

Age at Injury: Tables 21 – 23

The cumulative frequency distribution of age at injury is depicted in **Table 21**. Five participants were less than 1-year-old, while one was 99 years old. The most common age at injury was 19 years. A quarter (25.5%) of all injuries occurred between the ages of 17 and 23 years, nearly half (49.7%) of all injuries occurred between the ages of 16 and 32, and 13.5% of all injuries occurred at age 60 or older. Some descriptive statistics for the age at injury distribution are shown in **Table 22**. Mean (S.D.) age for all participants was 36.5 (17.6) years, with the mean age for participants in each System ranging from a low of 31.3 years to a high of 54.8 years.

Table 23 reflects a consistent trend toward older age at time of injury. The mean age at injury has increased from 28.7 years in 1972-1979 to 44.5 years in 2020-2024. This trend reflects in large part a similar trend in the average age of the U.S. population. However, underlying changes in age-specific SCI incidence rates, changing locations of Systems, and changing referral patterns to Systems may also be contributing to the trend toward older age at injury for persons in the database.

Sex: Table 24

The number of SCI participants by sex is shown in **Table 24**. This variable specifies the sex of the patient at birth, Male, Female, or if the participant indicates 'Transgender, male at birth', 'Transgender, female at birth' or 'Other'. Overall, 80.2% of all reported SCIs occurred among males. There was very little variability among Systems regarding the composition of the participant populations by sex. Among Systems, the proportion of male participants ranged from a low of 72.4% to a high of 86.8%.

Race: Tables 25 – 29

The number of SCI participants by race is shown in **Table 25**. There was substantial variability among Systems: the proportion of Caucasian participants ranged from 34.5% to 90.6%, while the proportion of African Americans ranged from 4.1% to 51.3%. Across Systems, The highest proportion of Native American Indians was 3.7% and the highest proportion of participants of Asian descent was 6.1%. High percentages of unknowns (4.6%) in the 'Race' variable are due to a database conversion process that occurred in 1995. When the 'Hispanic Origin' variable was added, all persons coded 'Spanish' in the 'Race' variable were converted to 'Yes, Hispanic origin' in this variable, and their race was then changed to 'Unknown.' For those who were not coded 'Spanish' in this variable, the 'No' code was inserted and their original race code was retained.

It should not be inferred from these data that the incidence of SCI was higher among whites than non-whites. On the contrary, most participants are white because whites compose by far the largest segment of the U.S. population. In fact, other studies have demonstrated conclusively that the SCI incidence rate is highest among non-whites⁵.

Overall, 10.4% of respondents endorsed 'Hispanic Origin' (**Table 26**). By System, the percentage ranged from 0.2% to 51.5% out of 37,866 records.

Table 27 depicts Hispanic origin by race: 3.6% reported as Hispanic Caucasian and 0.4% reported as Hispanic African-American out of 37,866 records.

The trends over years in racial groups (**Table 28**) reveal an increase in the percentage of participants who identify as African American (from 14.2% in 1972-1979 to 27.5% in 2020-2024). Also, there has been a slight increase in the percentage of participants who identify as Asian/Pacific Islander (from 0.9% in 1972-1979 to 3.0% in 2020-2024), while the percentage of participants who identify as Caucasian has decreased (from 76.8% in the 1972-1979 to 58.8% in 2020-2024).

Analysis of the trends in participation by those of Hispanic origin by year of injury (**Table 29**) shows a 6.8% increase in Hispanic participation into the 1990s (6.0% in 1972-1979 to 12.8% in 1990-1994). The most current time frame, however, shows that participation by those of Hispanic origin decreased to 8.6% in 2005-2009 then increased to 16.1% in 2020-2024.

This trend is due in small part to trends in the U.S. general population. Periodic changes in the identities of participating Systems, changes in eligibility criteria for inclusion into the National SCI Database, and changes in referral patterns to Systems are also partly responsible for this racial trend. However, changes in underlying race-specific SCI incidence rates are also likely.

Etiology: Tables 30 – 36

Table 30 ranks the national causes of injuries and then separates by sex. For males and females, the three leading causes of SCI were the same: auto accidents, falls, and gunshot wounds.

Among males, motorcycle accidents ranked fourth, followed by diving accidents. However, for females, medical/surgical complications ranked fourth and diving ranked fifth.

Significant sex-specific differences are evident in six etiologies: auto accidents (males 28.0%; females 44.8%); gunshot wounds (males 16.7%; females 9.3%); motorcycle accidents (males 7.2%; females 2.3%); diving accidents (males 6.3%; females 2.4%); hit by falling/flying objects (males 3.1%; females 0.8%) and medical/surgical complications (males 2.3%; females 5.7%).

It should be noted that the all-terrain vehicles/ all-terrain cycles (ATV/ATC) category was created in October 1986; before that time, injuries resulting from these vehicles were coded as either 'Motorcycle' or 'Other Vehicle.' While some Systems have converted pre-1986 data where possible, this conversion was not mandatory. Therefore, the number of injuries resulting from ATV/ATC accidents is most probably underreported.

The group etiology categories reported in **Tables 31 – 36** are as follows:

'Vehicular' includes: Automobiles (includes jeeps, trucks, dune buggies, and buses; Motorcycles (2-wheeled, motorized vehicles, including mopeds and motorized dirt bikes); Boats; Fixed-wing aircraft; Rotating-wing aircraft; Snowmobiles; Bicycles (includes tricycles and unicycles); ATV and ATC (includes both 3-wheeled

and 4-wheeled vehicles); and Other vehicular, unclassified (includes tractors, bulldozers, go-carts, steamrollers, trains, road graders, forklifts).

'Violence' includes: Gunshot wounds; All other penetrating wounds (includes stabbing, impalement); Person-to-person contact (includes being hit with a blunt object, falls as a result of being pushed (as an act of violence); Explosions (includes bomb, grenade, dynamite, or gasoline).

'Sports' includes: Diving; Football; Trampoline; Snow skiing; Water skiing; Wrestling; Baseball/softball; Basketball/volleyball; Surfing (includes body surfing); Horseback riding; Gymnastics (includes all gymnastic activities other than trampoline); Rodeo (includes bronco/bull riding); Track and field (includes pole vault, high jump, etc.); Field sports (includes field hockey, lacrosse, soccer, and rugby); Hang gliding; Air sports (includes parachuting, para-sailing); Winter sports (includes sled, snow tube, toboggan, ice hockey, snow-boarding); Skateboarding; and Unclassified (includes auto racing, glider kite, slide, swimming, bungee jumping, scuba diving, roller-blading, jet-skiing, cheerleading, etc.).

'Falls' also includes jumping and being pushed accidentally (not as an act of violence).

'Medical/surgical Complication' is defined as "Impairment of spinal cord function resulting from adverse effects of medical, surgical or diagnostic procedures and treatment."

'Other' includes: Hit by falling/flying object (includes ditch cave in, avalanche, rockslide); Pedestrian (includes falling/jumping into the path of a vehicle); and all other unclassified injuries.

The percentage of injuries in each etiology group appears in **Table 31**. Overall, 'Vehicular' ranked first in 12 currently funded Systems (41.4% in the National SCI Database). 'Falls' ranked first in 5 Systems and 'Violence' ranked first in the remaining System.

'Falls' ranked second in 13 of the currently funded Systems (23.7% in the National SCI Database); 'Vehicular' ranked second in 5 Systems. 'Violence' ranked third in 8 Systems (16.9% in the National SCI Database) and second in 2 Systems (20.7% and 27.1%)

The percentage of injuries in each etiology group by age at injury is depicted in **Table 32**. Vehicular accidents were the predominant cause of SCI in participants up to 45 years of age. After age 45, falls were the leading cause of SCI. The percentage of SCIs resulting from sports and violence declined with advancing age, while the percentage resulting from falls and medical/surgical complications increased proportionately.

Table 33 depicts the percentage of injuries in each etiology group by sex. The percentage of injuries resulting from vehicular accidents, violence, and sports differed by sex. Females were more likely to be injured by a vehicular accident (females, 49.9%; males, 39.4%), but violence and sports were more likely the cause of male injuries (males, 18.4% and 10.8%, respectively; females, 11.1% and 5.6%, respectively).

Table 34 depicts the percentage of injuries in each etiology group by race. Vehicular accidents were the leading cause of injuries across all races except for African Americans, for whom violence was the leading cause.

Table 35 shows the percentage of injuries in each etiology group by Hispanic origin. Vehicular accidents and violence were the most common causes of injuries for those of Hispanic origin (36.4% and 29.9%, respectively), whereas, vehicular accidents accounted for 42.1% and violence accounted for only 15.4% of injuries among those of non-Hispanic origin.

Although vehicular accidents continue to be the leading cause of SCI (**Table 36**), the percentage declined from 47.0% in the 1970s to 36.1% during 2020-2024. The percentage of injuries due to falls has increased gradually and consistently since the 1970s and falls currently account for 31.8% of SCIs in 2020 - 2024. Injuries due to acts of violence peaked in the 1990-1994 period (28.9%), declined to 14.1% in 2015-2019 and then increased to 17.1% in 2020-2024. Sports-related SCIs declined from 14.4% during the 1970s to 7.5% since 2020. Medical and surgical complications account for a small percentage of all injuries, but this percentage increased gradually from 1.2% in the 1970s to 4.7% during 2005-2014. These trends are mainly due to the aging of the U.S. population but are also in part due to changing locations of the Systems, changing referral patterns to these Systems, changes in underlying incidence rates, or a combination of these factors.

Work Relatedness: Table 37

This variable was added to the database in October 2000, and only records entered after January 1, 2001, are included in **Table 37**. Of the 17,367 available records, 9.4% had a work-related SCI. The percentage of participants at each System with a work-related SCI ranged from 4.3% to 13.7%.

Marital Status: Tables 38 - 40

Table 38 depicts marital status at injury. The code 'Living with significant other' was added to the database in October 2011. It is not surprising, given the young age at which most injuries occur, that half of the participants in the database were single/never married (49.9%) at the time of injury. Substantial intersystem variability was noted in the single/never married category, from 30.9% to 64.1%. While the percentage of divorced participants ranged from 5.5% to 16.2%.

Table 39 shows a steady increase across post-injury year categories in the percentage of participants who endorsed 'Married' (from 32.5% of post-injury year 1 participants to 48.1% of post-injury year 45 participants) and 'Divorced' (from 10.9% of post-injury year 1 participants to 23.5% of post-injury year 30 participants). The percentage of participants in the 'Single, never married' category ranged from 48.5% of those at post-injury year 1 to 21.2% of those at post-injury year 45.

Table 40 reflects all changes since the last Form II with a known marital status code (or since Form I if there is no Form II marital status). If a year 1 Form II has marital status, and the year 5

Form II is lost, then the year 10 Form II reflects any marital change since the year 1 Form II. Separations are ignored. Codes 'Divorced + Married,' 'Widowed + Married,' 'Divorced + Widowed + Married' may be in any order. Marital status was relatively stable over time. 'No Change' was reported for 92.3% of post-injury year 1 participants and for 83.8% of post-injury year 30 participants.

Level of Education: Tables 41 - 42

The highest level of formal education completed at time of injury appears in **Table 41**. More than 65% (excluding 'Other') of the participants were at least high school graduates at the time of injury, whereas more than 84% were at least 19 years of age at injury and would normally be expected to have completed high school. Approximately one tenth (7.6%) of participants had an eighth-grade education or less, whereas only about 2% were less than 15 years of age at injury and would normally be expected to have an eighth-grade education or less.

The proportion of participants with an eighth-grade education or less ranged by System from 1.2% to 21.7%. Overall, 5.2% of the participants had an unknown level of education, suggesting some Systems are having substantial difficulty collecting this information.

In **Table 42**, level of education is shown to be higher in participants at later post-injury years than in those with more recent injuries. Overall, 71.2% of post-injury year 1 participants had completed at least a high school education, compared with 93.8% of post-injury year 45 participants.

Occupational Status & Job Census Code: Tables 43 - 47

The Occupational Status tables review the primary occupational, educational or training status of the participant at the time of injury. Since these sub-categories are not mutually exclusive, the primary occupational, educational or training status is selected based on the injured person's opinion.

Occupational status at the time of injury is shown in **Table 43**. Nationally, 58.7% of participants were reportedly working at the time of injury. Among Systems, this was the most common occupational status reported, ranging from 46.4% to 67.3%.

The national rankings for the other most reported occupational status categories ranked in order as follows: 'Unemployed' (14.8%), 'Student' (13.5%), and 'Retired' (8.4%).

Table 44 shows an increase in the percentage of working respondents over the post-injury years, from 13.0% of post-injury year 1 participants to 33.4% of post-injury year 25 participants, then declining in later years to 23.4% for post-injury year 45 participants. 'Retired' increases across post-injury years' whereas the percentage reporting 'Unemployed' decreased over the post-injury years (from 52.7% of post-injury year 1 participants to 7.5% of post-injury year 45 participants).

Weeks Worked: Table 45

Table 45 identifies the number of weeks worked in the last 12 months (or since injury if less than 12 months after SCI) at the time of the follow-up interview. A year-round job is 52 weeks regardless of vacation or sick leave taken. Work includes any civilian work for pay or profit or work without pay on a family operated farm or business. For those working, the total average weeks worked was 26.7 at post injury year 1, weeks worked increased until post injury year 30 (43.0), then declined to 36.6 weeks worked at post injury year 45.

Job Census Code **Tables 46 and 47** reflect data entered into the database since January 1, 2001. Code conversions occurred in 2016 and 2021 following the U.S. Bureau of Labor Statistics Standard Occupational Classification updates <http://www.bls.gov/soc>. Prior to 2021, job codes were grouped into large categories. The current coding list includes some previous categories that were not convertible, however in 2021, individual job codes were added to the SCIMS coding list to facilitate future conversions.

At injury, over one third of respondents (37.8%) reported 'Not Working' and ranges across centers from 26.0% to 53.4%. The second most reported category was 'Precision, production, craft and repair,' at 7.4%. There was very little variability across Systems for other types of work. **Table 47** shows Job Census Code by post-injury year. 'Not Working' was reported by 82.0% of respondents at post-injury year 1 then decreased to 65.2% for post-injury year 25 participants. The percentage of participants in the 'Management, business and financial' category increased over the post-injury years (from 3.5% of post-injury year 1 participants to 8.4% of post-injury year 35 participants).

Veteran Status & VA Health Care Services Used: Tables 48 - 49

Veteran status analysis includes Form I records entered after January 1, 2001. This variable documents whether or not the participant is a veteran of the U.S. military forces (i.e., Air Force, Army, Coast Guard, Marine Corp or Navy). **Table 48** shows only 7.9% of Form I participants are veterans.

Table 49 identifies the participants' use of Veteran Administration (VA) health care services since last follow-up. VA services data have been collected since October 31, 2000. A small percentage of participants used VA services for health care, ranging from 4.1% of post-injury year 1 participants to 5.4% of post-injury year 40 participants.

Primary Payer: Tables 50 - 51

Table 50 and 51 documents the participants' primary payer of medical costs. This care includes hospitalization, outpatient medical and rehabilitation services, vocational rehabilitation, education, training, equipment, medications and supplies, attendant care and custodial care but does not include income maintenance (unemployment payments). 'Primary' is defined as the organization that pays first.

The high number of records coded as 'Unknown' and 'Declined' and therefore excluded in **Tables 50 and 51** is a result of the historical changes in data collection. Sponsors of care data were

collected from 1973 to September 2006, with up to five entries for sponsors. Beginning in 1987, coding position #1 (position #1 is the first of five entries) was designated for the primary payer with no order for the following 4 positions. For records prior to 1987 that had more than one entry, all codes were moved down one position, and the 'Unknown' code was inserted in coding position #1. In 2006, the 'Sponsor of care' variables were retired. In October 2011, a single primary payer variable was added back to the database and 'Primary Sponsor of Care' was converted to 'Primary Payer.'

During inpatient stay (**Table 50**) 'Private Insurance' ranked first during the period of initial hospitalization, providing support for about half (49.8%) of the participants. Medicaid provided support for more than one fourth (26.6%) of the participants during this same period. The percentage of participants claiming Medicaid ranged from 4.9% to 82.7%.

Primary payers by post-injury year appear in **Table 51**. 'Private Insurance' ranked first among participants at post-injury years 1 and 5 (43.9% and 31.9%, respectively). However, the proportion of participants receiving Medicare benefits increased substantially across post-injury years, from 9.9% of post-injury year 1 participants to 62.7% of post-injury year 45 participants. The proportion of participants receiving Medicaid support decreased steadily through all post-injury years.

Family Household Income Level: Tables 52 – 53

Tables 52 and 53 categorize the income level of the family members living in the same household as the participant. 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 were included.

The 'Family income' variable at inpatient rehabilitation was added October 2001. At Follow-up, Family Income was first added to the database in 1996, as one of the items included in the Craig Handicap Assessment and Reporting Technique (CHART) economic self-sufficiency subscale. Use of the CHART economic self-sufficiency subscale was discontinued after September 2006. The 'Family income' variable, however, was added to the database in October 2011. To a large extent, these historical changes explain the high number of unknown data in this variable.

During inpatient rehabilitation (**Table 52**), about one quarter (20.9%) of participants endorsed income of less than \$25,000, with System variability ranging from 6.2% to 67.0%. About one-fourth (25.1%) of participants had income of \$75,000 or more, ranging from 7.3% to 40.7%. Participant responses of 'Decline to answer' or 'Participant doesn't know' constituted 17.5%, making the total unknown rate of response above 20%.

At follow-up (**Table 53**), the proportion of participants with family incomes of less than \$25,000 ranged from 38.3% to 41.0% for participants in post-injury years 1 - 20 but declined for those in post-injury years 25 through 45 (39.7%, 37.4%, 32.1%, 26.7%, and 18.9%, respectively). Approximately 18% of post-injury years 1 through 15 participants reported Family Income of \$75,000 or more, and increased across the remaining years, to 31.7% of post-injury year 45 participants.

Injuries & Spinal Surgery: Table 54 - 56

Table 54, Vertebral Injury, documents spinal fractures and/or dislocations that occurred at the same time as SCI. A spinal fracture or dislocation is defined as any break, rupture, or crack through or between any parts of the vertebral column from the occiput to coccyx. On average, 79.0% of participants had at least one vertebral injury, with percentages ranging by System from 55.7% to 91.8.

Associated injuries are summarized in **Table 55**. This variable documents at least one of the following conditions: moderate to severe traumatic brain injury (Glasgow Coma Scale score of 12 or below), non-vertebral fractures requiring surgery, severe facial injuries affecting sensory organs, major chest injury requiring chest-tube or mechanical ventilation, traumatic amputations of an arm or leg or injuries severe enough to require surgical amputation, severe hemorrhaging, brachial plexus injury, or damage to any internal organ requiring surgery. This variable excludes associated injuries not listed, negative findings from exploratory surgeries, and injuries that pre-date the SCI. Associated injuries occurred in 36.6% of cases, ranging by System from 16.1% to 56.8%.

The ‘Spinal Surgery’ variable (**Table 56**) documents whether any of the following spinal surgical procedures were performed at any point during the inpatient hospitalization period following the SCI: laminectomy, neural canal restoration, open reduction, spinal fusion, or internal fixation of the spine. On average, 80.7% of participants underwent spinal surgery, with Centers ranging from 66.7% to 86.9%.

Place of Residence: Tables 57 – 59

Table 57 summarizes place of residence at the time of injury. This variable has been collected for System admissions since December 1, 1995. In October 2000, ‘Convent, monastery, or other religious order’ was added to ‘Group Living Situation.’ In October 2011, a new code, ‘Assisted Living,’ was added. At the time of injury, the majority (97.9%) of participants were living in a private residence, which includes house, apartment, or individual residence in a retirement village. There is very little variability between Systems.

Place of residence at discharge is shown in **Table 58**. Most participants (87.4%) discharged to a private residence. The proportion of participants discharged to a private residence ranged by System from 73.3% to 94.3%.

Table 59 shows place of residence across post-injury years. By far, private residence was most common, ranging from 91.5% for post-injury year 1 participants to 100% for post-injury year 50 participants. The percentage of those reporting nursing home residences decreased across years, from 3.9% of post-injury year 1 participants to 0.0% of post-injury year 50 participants.

Days Hospitalized at Acute Unit: Tables 60 – 62

Table 60 depicts median days from injury to System admission and year of injury. Median days from injury to System admission were at the peak (20 days) in 1972-1979 and at the lowest (1 day) in 1990-1999. A change in eligibility criteria implemented in January 1987 resulted in a decrease in median days from injury to System admission. The eligibility criteria allowed only patients admitted to the System within 60 days of injury to be entered into the National SCI Database. In 2000, eligibility criteria resumed the previous standards (allowing injuries within 1 year of admission). For the recent years (2020-2024), one System had the longest median duration from injury to System admission of 20.0 days and 6 systems had a median of 1 day from injury to System admission.

Database revisions in November 1995 resulted in the separation of the single ‘Length of stay’ variable into ‘Acute care length of stay’ and ‘Rehabilitation care length of stay.’ Data on the length of stay were separated based on formulas involving days from injury to rehabilitation and total days hospitalized, with all short-term discharge days applied to rehabilitation. The next two tables (**Tables 61 and 62**) include records for those patients who were admitted to the system within 1 day of their injury (Day-1s Only).

Table 61 reflects the median days spent in acute care by year of injury. Median acute care length of stay has declined from 24 days in 1972-1979 to 11 days in 2010-2019.

Table 62 depicts median days hospitalized in the acute care unit by year of injury and by neurologic level and extent of lesion (neurological category). ‘Neurologic category at discharge’ documents the level and extent of the lesion at discharge. Minimal deficit groups were added in 1987, and retrospective updates were allowed but not required. Participants with complete tetraplegia injuries typically had the longest acute stays (an average of 25 days for all years), while participants with tetraplegia minimal deficits had the shortest stays (an average of 9 days for all years). The decrease in median acute length of stay over the past five decades is noted across various levels of neurological category. Minimal deficit categories (‘Paraplegia, Minimal Deficit’ and ‘Tetraplegia, Minimal Deficit’) were added in October 1987 to better describe participants with minimal or no neurologic deficit. Retrospective updates were allowed but not required for minimal deficit categories.

Days Hospitalized at Rehabilitation: Tables 63 – 66

The next four tables document the median rehabilitation length of stay for people with SCI that were: 1) admitted to system within 1 day of their injury (Day-1s Only, **Tables 63 and 65**) and 2) all people admitted to rehabilitation, regardless of Day-1 status (**Tables 64 and 66**).

Among people with SCI admitted to system within 1 day of their injury, the median rehabilitation length of stay has declined over the last five decades, from 98 days in 1972-1979 to 30 days in 2020-2024 (**Table 63**). Among people admitted to rehabilitation, regardless of Day-1 status, the median rehabilitation length of stay has also decreased from 91 days in 1972-1979 to 39 days in 2020-2024 (**Table 64**).

Table 65 shows that, among people with SCI that were admitted to a System within 1 day of their injury, the median days hospitalized in the rehabilitation unit were greatest for participants with complete tetraplegia (an average of 92 days for all years), ranging from 142 days in 1972-1979 to 37.0 days in 2020-2024. For those with incomplete paraplegia, the rehabilitation length of stay ranged from 68 days in 1972-1979 to 26 days in 2015-2019.

Including all people admitted to rehabilitation, regardless of Day-1 status, the median days hospitalized in the rehabilitation unit were greatest for participants with complete tetraplegia (an average of 91 days for all years), ranging from 122 days in 1972-1979 to 52 days in 2020-2024 (**Table 66**). For those with incomplete paraplegia, the rehabilitation length of stay ranged from 68 days in 1972-1979 to 32 days in 1995-1999 and about 34 days since 2000.

Neurologic Level at Discharge: Tables 67 - 70

The proportion of participants with cervical, thoracic, lumbar, and sacral levels of injury at discharge is presented in the next four tables. To determine a single neurologic level of injury, the most rostral (highest) sensory and motor level on the left and right side at discharge was used. Percentages presented in all four tables were calculated based on the total number of records (cervical, thoracic, lumbar and sacral = 35,250 records).

Overall, 55.1% of participants had cervical lesions at discharge, 34.6% had thoracic lesions, 10.0% had lumbar lesions, and 0.3% had sacral lesions. Close to half (49.0%) of the participants in the database were discharged with cervical lesions at C3 (3.8%) C4 (15.9%), C5 (14.8%), C6 (9.7%), or C7 (4.8%). The next most common levels of lesion at discharge were T12 (5.9%) and L01 (4.6%).

Neurologic Categories: Tables 71 - 74

‘Neurologic category at discharge,’ which documents the level and extent of lesion at discharge, is separated into paraplegia complete, incomplete, or minimal deficit, and tetraplegia complete, incomplete, or minimal deficit. As above, minimal deficit groups were added in 1987, and retrospective updates were allowed but not required.

Table 71 shows that, at the time of discharge, most participants had neurologically incomplete tetraplegia (33.5%), followed by neurologically complete paraplegia (23.2%), neurologically incomplete paraplegia (18.4%), and neurologically complete tetraplegia (17.7%).

Neurologic categories at discharge by etiology group are depicted in **Table 72**. Neurologically incomplete tetraplegia ranked first for etiologies of vehicular accidents (33.7%), sports (48.3%) and falls (44.0%). Neurologically complete paraplegia ranked first (41.2%) for SCIs resulting from violence. Neurologically incomplete paraplegia ranked first (46.2%) in SCIs resulting from medical/surgical complications. Interestingly, 83.4% of all sports-related injuries resulted in tetraplegia, while 66.9% of all violence-related injuries resulted in paraplegia.

The neurologic category at discharge grouped by year of injury is depicted in **Table 73**. Both tetraplegia complete and paraplegia complete injuries have declined since the 1970s (25.3% and 27.7%, respectively) to current levels (10.1% and 16.6%, respectively, in 2020-2024).

Neurologic data in **Table 74** were collected from only those participants who completed a clinical System neurologic exam. This exam may be conducted from 6 months prior to the first anniversary of the injury to 6 months after the first anniversary. At the year 1 exam, neurologically incomplete tetraplegia ranked first (20.3%), followed by neurologically complete paraplegia (17.2%), neurologically incomplete paraplegia (13.1%), and neurologically complete tetraplegia (12.3%).

ASIA Impairment Scale: Tables 75 – 80

As mentioned above, the AIS, formerly known as the Frankel Grade, is used to quantify the degree of residual neurologic function. The next six tables report AIS grades by System, at rehabilitation admission and System discharge, and by cervical, thoracic, lumbar, and sacral levels.

Table 75 depicts the proportion of participants with each AIS grade at discharge. Nationally, Complete (A) injuries at discharge constitute the largest category (40.9%), and 'Functional Motor Incomplete (D)' injuries constitute the second largest category (29.7%). The highest rates of 'Complete (A)' injuries was 56.5%, whereas the highest rate of 'Functional Motor Incomplete (D)' injuries was 48.0%.

AIS grade at admission to acute care, admission to rehabilitation, and discharge from the System appears in **Table 76** (for Day-1 Admissions only). The collection of data regarding neurologic function at admission to rehabilitation began October 31, 2000, and accordingly, the values in the 'Rehabilitation admission' column were generated from a smaller 'known value' sample. Between acute admission and System discharge, the proportion of participants declined in three out of the four categories ('Complete (A)', 'Sensory Incomplete (B)', and 'Non-functional Motor Incomplete (C)'). Conversely, the percentage of participants with injuries in the 'Functional Motor Incomplete (D)' category increased from 18.7% at acute admission to 32.5% at System discharge.

AIS grade by neurologic level of lesion at discharge appears in **Tables 77-79**. Among people with cervical lesions, neurologically complete (A) and functional motor incomplete (D) lesions were similarly common. Thoracic lesions were more likely to be neurologically complete (A). Lumbar lesions were more likely to be functional motor incomplete (D).

Table 80 depicts the proportion of participants with each AIS grade at the first anniversary after the injury. These data require a System exam and can be collected from 6 months prior to the 1-year anniversary to 6 months after the anniversary. Of the participants with completed year 1 follow-ups, 29.5% had neurologically complete (A) injuries and 20.4% had functional motor incomplete (D) injuries.

Motor Scores: Tables 81 - 82

The Motor Score is a measure of motor function, ranging from 0 to 100, used to document neurologic recovery. The 'Motor Score' variable was added in 1986 and data collection at the time of admission to rehabilitation was added in 1993. The analyses for **Tables 81 and 82** used data entered since October 1993.

Mean motor scores at acute admission (Day-1 Admissions only), admission to rehabilitation and first definitive System discharge appear in **Table 81**. Nationally, the mean score increased from 44.5 at System admission to 48.8 at rehabilitation admission and to 56.6 at discharge. A similar trend was observed at each System.

Table 82 shows the mean motor scores (57.5 for all Systems combined) at 1 year post-injury. These data require a System exam and may be collected from 6 months prior to the 1-year anniversary to 6 months after the anniversary.

Sensory Scores: Table 83 – 86

The sensory and summary scores, as described in the International Standards for Neurological Classification of Spinal Cord Injury guidelines, were measured by testing 28 key dermatomes on each side (right and left) from C2 to S4-5, with scores ranging from 0 (no sensation) to 2 (intact). The total maximum score for light touch and pin prick on the left and right is 56 each (total 112 on the right and 112 on the left). The associated table averages excluded records categorized as 'No exam.' These variables were added October 1, 2011, and were collected at three time points: rehabilitation admission, System discharge, and post-injury year 1 exam. Comparison of the averages must be interpreted cautiously as multiple factors impacting System differences.

Table 83 shows the mean total Light Touch score at rehabilitation admission was 66.0. Mean System scores at rehabilitation admission ranged from 54.5 to 78.5. The mean Light Touch Total at System discharge was 71.5, and mean System Light Touch Total scores ranged from 61.9 to 85.8.

Table 84 shows the mean Pin Prick Total score at rehabilitation admission was 57.2. Mean System Pin Prick Total at rehabilitation admission ranged from 45. to 68.9. The mean Pin Prick Total at System discharge was 62.1, and mean System Pin Prick Total scores ranged from 52.4 to 74.0.

Tables 85 and 86 show descriptive statistics for Light Touch and Pin Prick Total Scores at post-injury year 1. The mean Light Touch Total score for all Systems was 69.7, and scores ranged from 32.6 to 86.5. The mean Pin Prick Total Score for all Systems was 64.5, and scores ranged from 34.8 to 77.8.

Respirator Use: Tables 87 - 92

These tables document the use of mechanical ventilation to sustain respiration. In October 2000, data collection of respirator use during System hospitalization was deleted and the data are now collected at the time of System rehabilitation admission and at the time of System discharge.

In October 2016, 'Continuous positive airway pressure (CPAP) for sleep apnea' was added to the coding scheme. CPAP is coded when a mechanical device is used for chronic or obstructive sleep apnea. Mechanical devices include CPAP, Adaptive Servo Ventilation (ASV) or BiPAP when used specifically for sleep apnea.

In 2021, codes were updated to the International SCI Pulmonary Database. Existing records coded as 'Limited, short-term use for pulmonary/respiratory complications' and 'Ventilator-dependent or ventilator use requiring a weaning process' and 'Used mechanical ventilation, length of time and type unknown' were converted to 'Mechanical ventilation hours per day unknown' and pacer unknown'. Two new codes were added, 'Diaphragmatic pacing device only' and 'Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified.'

Mechanical Ventilation is categorized as 'None'; 'Mechanical ventilation less than 24 hours per day with or without a Pacer'; 'Mechanical ventilation 24 hours per day with or without a Pacer'; and 'Mechanical ventilation hours per day unknown with or without a Pacer'; 'Phrenic nerve stimulator only'; 'Diaphragmatic pacing device only'; 'Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified'; and 'Continuous positive airway pressure (CPAP) for sleep apnea'. In Tables 87 – 92, respirator use does not include 'Continuous positive airway pressure (CPAP) for sleep apnea'.

Tables 87-90 separate paraplegia (**Table 87-88**) from tetraplegia (**Table 89-90**) level lesions. Of the participants with paraplegia level lesions admitted to System rehabilitation, 5.0% required respirator assistance. Most people with paraplegia were discharged with no respirator use (only 0.4% required respirator use at discharge). **Table 89-90** shows 18.6% of the persons with tetraplegia required the use of a mechanical respirator at the time of rehabilitation admission, whereas only 5.2% were discharged requiring a respirator. Intersystem variability in the proportion of people with tetraplegia who required the use of a respirator at System rehabilitation admission was substantial, ranging from 0.0% to 33.3%. The proportion of those with tetraplegia who were discharged requiring a respirator also varied considerably, ranging from 0.0% to 16.6%. This variability may be partly attributed to whether Systems provide services for participants requiring mechanical ventilation.

Table 91 and 92 shows the proportion of participants who required the use of a mechanical respirator 1-year post-injury. Only 0.2% of participants in the paraplegia group and 3.3% of participants in the tetraplegia group still required the respirator 1 year post-injury.

Method of Bladder Emptying and Bladder Collection Appliance: Tables 93 - 100

In September 2021, NSCISC updated Bladder Management codes to match the International Lower Urinary Tract Function Dataset version 2.0 and a conversion occurred for existing data that converted Bladder Management into 2 variables: Bladder Emptying and Collecting Appliance for Urinary Incontinence. **Tables 93 - 100** represent the primary method of bladder emptying and bladder collection appliance being used at discharge and by participants grouped according to post-injury year.

Tables 93 and 94 show the method of bladder emptying at System discharge, separated by sex. The most common discharge categories for males were ICP (45.3%), followed by normal micturition (18.2%), indwelling catheter- transurethral (14.0%), and bladder reflex triggering (12.3%). Most females were discharged with ICP (40.4%) as well, followed by indwelling catheterization- transurethral (26.0%) and normal micturition (22.1%). There is intersystem variation in bladder management. For example, suprapubic cystostomy is used more in one System than in the other Systems, regardless of sex.

Table 95 and 96 show the method of bladder collecting appliance for urinary incontinence at System discharge, separated by sex. The majority of participants did not use an appliance (65.4% for males and 77.8% for females). The most common method of bladder collecting appliance was condom catheter (12.2%) for males and padded brief or pad (4.0%) for females.

Tables 97 and 98 show the method of bladder emptying used by participants grouped by year post-injury, separated by sex. Because of increasingly short lengths of stay in rehabilitation, some males have not yet completed the ICP training and graduated to the use of condom catheter drainage before discharge. This trend is reflected by the decline in ICP use by males reported at post-injury year 1 and year 5 participants (34.9% and 30.8%, respectively) as compared to method of bladder emptying at discharge (45.3%). The gradual decrease in normal micturition over time for both males and females may result from aging or individuals being increasingly less likely over time to return for follow-up. The high percentages of male individuals with suprapubic cystostomies after year 20 is the result of a high proportion of records from one System, in which this is a more common method of management.

Table 99 and 100 show the collection appliance for urinary incontinence by year post-injury, separated by sex. The percentage of condom catheter and sheath in males (ranging from 15.8% to 20.5%) and use of padded briefs or pad for females from 1 to 35 years post-injury (ranging from 6.1%-7.4%) was stable and increased after year 35 post-injury. Ostomy bag use increased over time for both male and female participants.

Bladder Incontinence: Tables 101 – 102

Tables 101 and 102 document the average involuntary urine leakage (incontinence) since rehabilitation admission or up to 4 weeks and for the follow-up interviews, over the last 4 weeks. At rehabilitation, over half (55.2%) report no incontinence and one-quarter report (25.0%) report at least weekly incontinence. Across follow-up years, incontinence was stable; approximately 60% of respondents report no incontinence and around 20% report at least weekly incontinence.

Bowel Management: Tables 103 – 110

Tables 103 and 108 document the primary defecation method and bowel care procedures, the average frequency of bowel emptying, and average time required for each defecation since rehabilitation admission and within the last 4 weeks at each required follow-up year. During rehabilitation, most participants (44.3%) used suppositories as the primary method to empty the bowels and the second most used method was normal defecation (22.8%). Across post

injury years, normal defecation declined from year 1 to year 45 post injury (35.9% to 23.9%, respectively). The use of suppositories decreased across post injury years (from 24.9% at year 1 post injury to 16.7% at post injury year 45) whereas digital stimulation increased (from 15.1% at post injury year 1 to 26.6% at post injury year 45). Colostomy increased from 4.9% at post injury year 1 to 15.1% at post injury year 45.

Over two-thirds (69.0%) of participants reported emptying their bowel at least once a day during rehabilitation (**Table 105**). Across years, **Table 106** shows a steady decline of daily defecation, from 48.4% at post injury year 1 to 30.1% at post injury year 40.

In **Table 107**, over half (56.2%) of participants in rehabilitation reported it took less than 30 minutes to empty the bowel. Across Centers, this ranged from 32.1% to 77.2%. At follow-up interview (**Table 108**), the proportion of participants who reported less than 30 minutes decreased from 56.1% at post injury year 1 to 43.8% at post injury year 45.

In addition, **Tables 109 and 110** present the average frequency of incontinence to solid or liquid stools since rehabilitation admission or up to 4 weeks and for the follow-up interview, over the last 4 weeks. Most participants (60.9%) experienced fecal incontinence never or less than monthly at rehabilitation. About three-quarters of respondents report never or less than monthly experiencing fecal incontinence across post injury.

Health Literacy at Injury: Table 111

Table 111 document self-reported health literacy at the time of injury. Participants 18 years old and older reported their need for help reading hospital materials. The responses were scored on a 5-point Likert scale (Never, Rarely, Sometimes, Often or Always). About 65.7% never or rarely needed help reading hospital materials.

Body Mass Index: Table 112-113

Height and weight have been collected since October 2006. Both measurements are taken near rehabilitation admission as well as at each Form II interview. Height may be collected by self-report but weight requires a calibrated scale measurement at a System exam, which results in a large number of missing data points for **Table 113**, as more than 70% of follow-up data were obtained by phone interviews or mail.

Weight and height were used to calculate body mass index (BMI; kg/m^2). Nationally, the mean BMI near the time of System rehabilitation admission is 26.8 (**Table 112**), ranging by System from 25.4 to 29.3. **Table 113** shows the mean BMI for each post-injury year. There was little variability in mean BMI across all post-injury years (range from 25.5 to 26.9).

Pregnancies and Live Birth: Tables 114 – 117

For female participants 15 years old and older, the interviewer asks the number of pregnancies and number of live births. The number of pregnancies and live births prior to injury and at each post-injury year are presented in **Tables 114-115** and **Tables 116-117**, respectively. Since these

variables were added in 2016, follow-up interviewers asked participants who were enrolled prior to 2016 how many pregnancies and live births had occurred prior to injury and these data were added to the National SCI Database retrospectively. Prior to 2023, Annual Report tables 114 and 116 includes data collected after October 1, 2016. Since 2023, Annual Reports include the retrospectively collected data. Among 2,864 respondents, 37.3% reported no pregnancy prior to injury, ranging from 4.8% to 49.1% (**Table 114**). Among 2,874 respondents, 43.6% reported no live birth prior to injury, ranging from 9.5% to 67.6% (**Table 116**). Less than one third of respondents had zero pregnancies across the post injury years and about one third had zero live births across post injury years (**Tables 115 and 117**).

Medical Conditions: Tables 118 – 123

The next set of tables document self-reported hypertension, hyperlipidemia, and arthritis (osteoarthritis, rheumatoid arthritis, gout, lupus or fibromyalgia). During rehabilitation, participants are asked *‘Prior to your spinal cord injury, has a health professional every told you that you have ...’* At Form II follow-up interviews, participants are asked *‘Currently, do you have or do you take medication for ...’*. Again, since these variables were added in 2016, follow-up interviewers asked participants about each condition at the time of injury and these data were added to the National SCI Database retrospectively. The results are presented in **Tables 118-123**. Most respondents endorse no hypertension (71.7%), no hyperlipidemia (79.8%), and no arthritis (81.4%) prior to injury. Respondents report an increase across anniversary years in all three conditions. For example, arthritis increased the most across anniversary years, from 18.8% at post injury year 1 to 42.8% at post injury year 40.

Diabetes Diagnosis: Tables 124 – 125

These variables identify the self-reported presence of diabetes prior to the injury and at each required follow-up year. The interviewer asks *“Prior to your spinal cord injury, had you been told by a health professional that you have diabetes or high blood sugar?”* for Form I collection, and *“Currently, do you have diabetes or high blood sugar?”* for Form II collection. The ‘Diabetes’ variable was added to the database for Form I and Form II in October 2011 and modified in October 2016. A code for ‘Borderline/Impaired Glucose’ was added September 2021, in previously collected data borderline is coded ‘No’.

Prior to injury, 11.2% of participants had diabetes. In post-injury year 1 participants, the prevalence of diabetes is 10.8% and this prevalence rate is steady over the post-injury years.

Urinary Tract Infection: Table 126

This variable identifies the self-reported frequency of a urinary tract infection requiring treatment with an antibiotic in the past 12 months. This variable was added to the Form II database in October 2011 and modified in October 2016 at which time codes were added to indicate frequency of UTI and existing data indicating a UTI occurred were converted to ‘UTI Number Unknown’. Over one half of post-injury year 1 participants (53.6%) reported one or more urinary tract infections with antibiotic treatment. The prevalence of urinary tract infection is stable up to post-injury year 35 then increases in frequency.

Pressure Wound: Table 127

This variable identifies the self-reported occurrence of a pressure wound of grade 2 or higher in the past 12 months. This variable was added to the database for Form II in October 2011. Among post-injury year 1 participants, 25.3% reported the occurrence of pressure wounds since discharge from rehabilitation. The prevalence of pressure wounds increased over the post-injury years to 35.8% for post-injury year 45 participants.

Rehospitalizations: Tables 128 - 130

These variables document all rehospitalizations in all hospitals (i.e., System and non-System) that occurred during the 12 months prior to the date of the interview. Cause of rehospitalization was added in March 2001.

Tables 128 and 129 show the total number of rehospitalizations and mean total days and post-injury year. By far, the majority of participants reported no rehospitalization across all post-injury year categories. Percentages ranged from 63.3% of post-injury year 1 participants to 71.2% of post-injury year 25 participants and slowly declines to 64.5% in post-injury year 45. Among those rehospitalized, the mean total of days hospitalized is stable across post injury years ranging from 19.4 days for post-injury years 5 and 20 participants to 28.4 days for post-injury year 45 participants.

Table 130, Cause of Rehospitalization by Post-Injury Year, counts each episode of rehospitalization (up to 8) per participant. Diseases of the genitourinary system were the leading cause of rehospitalization during most post-injury years, ranging from 23.2% out of 594 rehospitalization episodes for post-injury year 40 to 30.6% out of 6,749 rehospitalization episodes for post-injury year 1. Disease of the skin was the second most common cause of rehospitalization, ranging from 11.5% for post-injury year 1 to 22.6% for post-injury year 45. Other common causes of rehospitalization included respiratory, digestive, circulatory, and musculoskeletal diseases. The relatively high percentages of 'Other, Unclassified' causes suggest that additional categories may need to be identified for this variable.

Depression: Table 131

Table 131 documents a self-reported diagnosis of depression prior to the SCI (Form I). The interviewer asks, *"Prior to your spinal cord injury, had you ever been told by a health professional that you have depression?"* Data are collected primarily by self-report and include major depression and clinical depression but exclude bipolar, adjustment disorder, grief and bereavement. This variable was added to the database for Form I in October 2011.

Overall, 14.8% of participants reported depression diagnosis prior to injury. System percentages ranged from 8.9% to 25.4%.

Patient Health Questionnaire at Injury: Tables 132 – 135

The Patient Health Questionnaire-9 (PHQ-9) consists of nine questions reflecting the frequency of problems associated with possible depression. Each of the nine questions is scored from 0 (no problem) to 3 (nearly every day). Major syndrome is defined as scoring a 2 or 3 on at least one of the first two questions and scoring at least a 2 on a total of at least five of the nine questions. Other depressive syndrome is defined as scoring a 2 or 3 on at least one of the first two questions and scoring a 2 or 3 on two to four of the nine questions. Also, the severity of depression score is calculated as the sum of the scores from the nine PHQ questions. The PHQ-9 was required for Form II collection after March 1, 2001. PHQ questions 3-9 were not required from October 2011 to September 2016, which explains the large percentage of unknown/missing data.

Tables 132-133 depict the PHQ-9 frequency and percentage of people with major or other depressive syndrome and the mean severity of depression score at initial rehabilitation. At injury, over 80% of respondents indicated no depressive syndromes and the total mean severity of depression score was 4.2 out of 27, ranging from 2.6 to 5.6.

Table 134 depicts the frequency and percentage of persons with major or other depressive syndrome by post-injury year. Excluding unknown/missing/declined data, the percentage of persons with major depressive syndrome ranges from 10.9% for post-injury year 1 participants to 5.4% for post-injury year 45 participants. The percentage of people with other depressive syndrome ranges from 10.3% for post-injury year 1 to 9.1% for post-injury year 40 participants.

Table 135 depicts the mean severity of depression score by post-injury year category. This analysis includes records with scores of 0. Overall, mean depression severity scores varied slightly over the years, ranging from 6.7 for post-injury year 1 and 40 participants to 5.3 for post-injury year 25 participants.

Sleep and Falls: Tables 136 and 140

Tables 136 and 140 show the self-reported occurrence of sleep problems (including problems falling asleep and staying asleep) and falls in the past 12 months for each required follow-up year. About one-third of respondents had no problems sleeping or problems less than monthly and this was stable across post injury years. Consistently across post injury years, about one quarter of participants experienced sleep problems daily or almost daily. The percentage of persons reporting ‘no falls’ in the last 12 months rose over the years from 45.1% for post-injury year 1 to 59.9% for post-injury year 45.

Anxiety Diagnosis: Table 137

This variable documents self-reported diagnosis of anxiety prior to injury (Form I). The 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)?”* Data are collected primarily by self-report. When more than one diagnosis is reported,

the first chronologic disorder is entered to the database. This variable was added to the database for Form I in October 2011.

Most participants (86.1%) had no anxiety disorder diagnosis prior to injury (**Table 137**). General anxiety disorder prior to injury was endorsed most often (7.2%), with System percentages ranging from 2.4% to 13.8%.

Pain: Tables 138 - 139

The severity of pain score reflects the participant's self-reported usual level of pain over the past 4 weeks, on a scale of 0 to 10. These data were required after March 1, 2001. **Table 138** depicts the mean severity of pain score. The total mean usual level of pain did not vary across post-injury years through year 45, staying between 3.9 and 4.5. Furthermore, reported severity of pain scores did not vary substantially between Systems.

Table 139 reflects responses to the question of the degree to which pain interfered with work or usual routine. This is a variable from the SF-12 that was added to the NSCISC database in May 1998. It was retained in the National SCI Database along with the self-reported rating of overall health when the remainder of the SF-12 was dropped from the database in September 2000.

Overall, most people who reported that they had pain also reported that the pain either did not interfere with work or that it interfered a little bit. The percentage of participants who reported pain interference as 'Not at all' was lowest (17.7%) for post-injury year 1 participants and highest, at 27.1%, for post-injury year 25 participants and decreasing after post-injury years 30 through 45 (26.6%, 25.4%, 24.4% and 23.4% respectively). Approximately 20% of persons reported that pain interfered with work/routine 'Quite a bit' to 'Extremely' across most post-injury years.

Self-Perceived Health Status: Tables 141 - 142

"In general, would you say that your health is excellent, very good, good, fair or poor?" is question 1 from the Short Form Health Survey (SF-36). It was added to the database in 1995. *"Compared to a year ago, how would you rate your health in general now?"* is question 2 from the SF-36. If the interview is conducted at year 1, then the time frame is 'since rehabilitation discharge' instead of 'compared to a year ago.' This variable was added in May 1998. These questions are not collected from participants less than 18 years old.

Table 141 depicts the participant's perception of their current health by post-injury year. Most post-injury Year 1 participants (32.4%) endorsed 'Good' and the fewest (5.4%) endorsed 'Poor.' Endorsements of 'Excellent' and 'Very good' increased slightly across post-injury years until post-injury year 25.

Table 142 shows the participant's perception of their health compared to a year ago (for post-injury Year 1 participants, since rehabilitation discharge). Over half of post-injury year 1 participants reported their health as 'Much Better' or 'Somewhat Better' (32.8% and 24.4%, respectively). However, reports of 'Somewhat Worse' health increased across post-injury years, from 7.5% for post-injury year 1 participants to 22.0% for post-injury year 45 participants.

Alcohol Use Disorder: Table 143 – 144

The Alcohol Use Disorders Identification Test-Concise (AUDIT-C), a 3-item alcohol screening instrument that helps identify persons who are hazardous drinkers or have an active alcohol use disorder. Generally, the higher the score, the more likely it is that the patient's drinking is affecting his or her safety. The three items are: *How often do you have a drink containing alcohol?* *How many standard drinks containing alcohol do you have on a typical day?* And *How often do you have six or more drinks on one occasion?* Scores for the three items are summed; men who score 4 or greater and women who score 3 or greater are considered as having an alcohol use disorder.

Table 143 depicts the alcohol use disorder in the 12 months prior to injury (Form I). Forty percent of participants met the criteria for alcohol use disorder during the year prior to injury, with percentages ranging from 19.7% to 53.1% .

Table 144 shows the alcohol use disorder in the 12 months prior to the follow-up interview by post-injury year. Percentages ranged from 24.9% of post-injury year 1 participants to 31.6% of post-injury year 35 participants.

Substance Use: Tables 145 – 162

The Alcohol, Smoking and Substance Involvement Screening Test (ASSIST) was developed for the World Health Organization (WHO) as a technical tool to assist with early identification of substance use related health risks and substance use disorders in primary health care, general medical care and other settings. Prescribed substances are included when taken at a higher dose or more frequently than prescribed. Cannabis is included regardless of local legality or prescription. **Tables 145-162** identify up to 9 substances (Tobacco, Cannabis, Cocaine, Amphetamine type stimulants, Inhalants, Sedatives or Sleeping pills, Hallucinogens, Opioids, and Other) used by participants at least 18 years old in the last 3 months prior to the injury and in the last 3 months before the follow-up interview.

- In the 3 months prior to injury, 24.0% of participants used tobacco products daily or almost daily. In the 3 months prior to the follow-up interview, participants used tobacco products daily or almost daily from post anniversary year 1 (13.2%) increased to year 15 (17.7%) then decreased in following post injury years (year 45, 9.4%).
- Participants reported cannabis use at least weekly by about 21.4% of participants 3 months prior to injury (daily or almost daily (15.3%) and weekly (6.1%)). Similarly, at follow-up participants reported cannabis use at least weekly around 20% from post injury years 1 through 10, then decreased slightly in following years (Year 45, 12.9%).
- All other drugs were reportedly used at least weekly by less than 2% of participants prior to the injury and the follow-up interview rates were lower than prior to injury (Form I).
- Use of sedatives and opioids at least weekly prior to the injury was around 1% but at the follow-up interview, rates were higher compared to the rate prior to injury from post injury years 1 through 20 (for opioids) or 1 through 30 (for sedatives), after which use drops slightly.

Satisfaction with Life: Table 163

This table reflects the mean total score measuring the concept of life satisfaction based on the participant's responses to these four 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; and 4. So far I have gotten the important things I want in life."* Response options are: strongly disagree (1), disagree (2), slightly disagree (3), neither agree or disagree (4), slightly agree (5), agree (6), or strongly agree (7). Total score ranges from 4 to 28; higher scores imply more satisfaction with life.

Only records entered into the database after 1995 for participants age 18 or older were used in this analysis. Nationally, mean life satisfaction total score increased across the post-injury years, from 15.8 for post-injury year 1 participants to over 20.1 for post-injury year 40 participants.

SCI-QOL Resilience: Tables 164

Tables 164 describes resilience, as defined by the Spinal Cord Injury Quality of Life measure (SCI-QOL Resilience), by each post-injury year. Participants 18 years old and older were asked to rate the frequency of 8 resilient behaviors: *"I had a positive attitude", "I felt good about how I have coped with my injury", "I used positive ways to cope with my injury", "I felt I can get through difficult times", "I tried to see the positive side of things", "I was confident that I could overcome my limitations", "I took action to improve my life", and "I found new things to enjoy"*. The System auto-calculated T score (ranging from 0 to 100) and Standard Error, though only the T Score is represented in this report.

T-Scores are stable across post injury years with a slight increase ranging from 50.9 at post injury year 1 to 53.2 at post injury year 35.

CHART: Tables 165 - 168

The Craig Handicap Assessment and Reporting Technique (CHART) questionnaire is widely used in measuring societal participation for people with disabilities. CHART data were added to the National SCI Database in November 1995. The questionnaire is administered at follow-up to individuals who are 18 years or older. From 1995 to October 2000, the version of the CHART that was used in the database consisted of 26 questions and five subscales (physical independence, mobility, occupation, social integration, and economic self-sufficiency). In 2000, the version included in the database was changed to the short form that consists of only 20 questions and includes a sixth subscale (cognitive independence). CHART data collected from 1996 through 2000 were converted to the short form by the NSCISC so that all CHART data in the database are in the same format. In 2006, the CHART was further reduced to 15 questions and 4 subscales by removing the economic self-sufficiency questions and subscale and the cognitive independence subscale. The following tables show the mean score of four subscales: physical independence, mobility, occupation, and social integration. Each subscale score is capped at 100, and scores of less than 100 imply the presence of a handicap.

Table 165 depicts the mean CHART physical independence subscale score by post-injury year. The mean physical independence score increased across post-injury years, from 71.9 for post-injury year 1 participants to 86.9 for post-injury year 45 participants. However, there was considerable intersystem variability in physical independence scores. For example, for post-injury year 1 participants, mean physical independence scores by System ranged from 54.4 to 86.1.

Table 166 depicts the mean CHART mobility subscale score by post-injury year. The mean mobility score shows little variability across years, ranging from 72.7 for post-injury year 1 participants to 77.8 for post-injury year 15 participants then scores declined slightly to 69.8 for post-injury year 45 participants.

Table 167 depicts the mean CHART occupation subscale score by post-injury. The mean occupation score increased across years, from 49.0 for post-injury year 1 participants to 63.7 for post-injury year 25 participants, then declined slightly to 53.2 for post-injury year 45 participants. However, there was considerable intersystem variability in occupation scores. For example, mean occupation scores for post-injury year 1 participants by System ranged from 35.2 to 62.8. Although the occupation subscale includes other activities besides competitive employment, the trend over post-injury years in this subscale score is consistent with many previous studies of return to work after SCI that have shown a gradual increase in the employment rate over time.

Table 168 depicts the mean CHART social integration subscale by post-injury year. Social integration scores changed very little across years hover around 86.

SCI-Functional Independence with Assistive Technology: Tables 169-182

SCI-Functional Independence with Assistive Technology (SCI-FI AT) is used among participants at least 18 years old. This measures the functional status in the following domains: basic mobility, self-care, fine motor, ambulation, manual wheelchair, and power wheelchair. The data is primarily collected close to discharge during initial rehabilitation stay or rarely data are collected up to 30 days' post-discharge and at post injury years. **Tables 169-170** document the collection method of the SCI-FI AT items. Three available methods are NSCISC Web Program which is based on Computer Adaptive Testing, Desktop Program which is app-based, and Short Form which is paper and pen method. Almost all (88.3%) interviewers used the Short Form (paper version) during inpatient rehabilitation. The follow-up interviews primarily used the Short Forms as well, ranging between 77.2% at post injury year 15 to 91.7% at post injury year 45.

T-scores for each domain, ranging from 0-100, are presented in **Tables 171-182**. The total mean rehabilitation T Score for each domain was slightly lower than the total mean T Score at follow-up. Basic Mobility and Ambulation domains decreased slightly after post injury year 30. The calculations in this report for tables presenting rehabilitation data were updated from previous reports and modified some Center data.

Ambulation: Tables 183 - 185

Tables 183-185 reflect ambulation ability by post-injury year. These three variables were added May 1, 2004, and reflect the yes/no responses to these three questions: *Are you able to walk (with or without mobility aid) for 150 feet in your home? Are you able to walk (with or without mobility aid) for one street block outside? Are you able to walk (with or without mobility aid) up one flight of steps?*

Among 11,470 participants who were interviewed at 1 year post injury, 38.5% reported the ability to walk for 150 feet at home, 33.1% reported the ability to walk for one street block outside the home, and 32.8% reported being able to walk up one flight of stairs. The gradual decrease in ambulation ability reported over post-injury years may be the result of aging or reduced follow-up as ambulation improves.

Wheelchair Use: Tables 186 - 187

Variables in Tables 186 and 187 were added in May 2004. **Table 186** reflects the participants who use wheelchairs or scooters more than 40 hours per week by post-injury year. The use of wheelchairs tended to increase across the years, from 58.8% of post-injury year 1 participants to 78.6% of post-injury year 30 participants. The increase may be the result of aging. **Table 187** identifies the most common type of wheelchair was 'manual' in all years, but use of power chairs increased across years, from 23.1% of post-injury year 1 participants to 31.5% of post-injury year 45 participants.

Primary Mode of Transportation: Table 188

Table 188 reflects the primary mode of transportation for trips away from home for each post injury year. Most participants reported using a private car, truck or van for transportation (70.8% at post injury year 1 to 85.5% at post injury year 45). The second most frequently used transportation was a special transit for people with disabilities (14.1% at post injury year 1 to 5.4% at post injury years 40 and 45).

CARE Functional Ability: Table 189-190

Table 189-190 CARE functional ability measures the need for assistance with self-care and mobility activities. The data was collected at rehabilitation admission and discharge. The Self-care is based on the participant's performance on 7 items: eating, oral hygiene, toileting hygiene, shower/bathe self, upper body dressing, lower body dressing, and putting on/taking off footwear. The mobility items include: roll left to right, sit to lying, lying to sitting, sit to stand, chair/bed-to-chair transfer, toilet transfer, car transfer, walk 10 feet, walk 50 feet with two turns, walk 150 feet, walk 10 feet on uneven surface, 1 step/curb, 4 steps, 12 steps, picking up object, wheel 50 feet with two turns, and wheel 150 feet. The self-care total score (7 item scores) ranges from 7 (lowest) to 42 (highest) and mobility (15 item scores) ranges from 15 (lowest) to 90 (highest). Table 189 and 199 show the national mean total score of self-care and mobility increased from rehabilitation admission to discharge (14.0 to 28.2, and 23.2 to 52.0, respectively).

Tables

Table 1. Total Forms Entered into the National SCI Database as of August 16, 2024

Form II excludes lost to Follow up

	Registry	Form I	Form II	Total
Total	16,175	37,866	134,993	189,034

Footnote 1: Form II includes 31,303 participants with Follow-up records.

Table 2. Number of New Records Entered into the National SCI Database Since the Last Annual Report in August 2023

Form II excludes lost to Follow up

	Registry	Form I	Form II	Total
Total	387	875	2,307	3,569

Table 3. Number of New Records Entered into the National SCI Database for 2021-2026 Funding Cycle

Form II excludes lost to Follow up

	Registry	Form I	Form II	Total
Total	1,014	2,195	5,878	9,087

Table 4. Percentage of Form I Day-1 Admissions Entered into the National SCI Database for 2021-2026 Funding Cycle

	Total Number of Form Is Entered	% day-1 admissions
Total	2,195	27.1

Table 5. Number of Registry Patients Year of Injury

(Continued)

	Year of Injury													
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	73	488	435	478	521	508	553	563	560	617	568	581	607	570

(Continued)

	Year of Injury													
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	444	506	477	358	373	453	404	386	370	431	444	400	319	340

	Year of Injury											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Total	270	354	308	353	328	267	304	317	360	367	120	16,175

Table 6. Number of Form I Patients by Year of Injury

(Continued)

	Year of Injury														
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	3	220	402	579	684	822	848	1,005	1,130	818	749	1,155	1,097	977	931

(Continued)

	Year of Injury													
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	662	628	645	597	705	649	654	689	638	735	754	729	767	674

(Continued)

	Year of Injury												
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	716	723	694	636	658	686	777	787	697	703	676	757	761

	Year of Injury											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Total	753	752	663	748	770	770	621	602	781	902	287	37,866

Footnote 1: Enrollment criteria changed in 1987 and 2000.

Table 7. Number of Form I Day-1 Admissions by Year of Injury

(Continued)

	Year of Injury													
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	1	72	103	178	196	238	229	293	359	262	221	463	435	331

(Continued)

	Year of Injury													
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	429	378	348	359	382	413	388	394	377	351	409	400	406	397

(Continued)

	Year of Injury													
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	323	356	350	290	267	282	290	277	290	249	269	286	254	274

	Year of Injury											
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Total	258	273	239	252	232	269	226	189	222	247	66	15,342

Footnote 1: Enrollment criteria changed in 1987 and 2000.

Table 8. Number of Form IIs and Post-Injury Year

Excludes Lost to Follow-up

(Continued)

	Post-Injury Year													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Total	28,475	12,972	9,532	8,122	16,528	5,895	5,044	4,163	3,441	10,065	2,120	1,567	1,122	885

(Continued)

	Post-Injury Year															
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Total	6,977	489	345	260	192	5,294	50	24	16	19	4,170	8	5	8	9	3,240

	Post-Injury Year											
	31	32	33	34	35	36	39	40	41	45	50	Total
Total	1	1	1	1	2,276	1	1	1,289	1	372	12	134,993

Footnote 1: Form II data collection frequency changed in 1995 and 2000.

Table 9. Number of Form IIs by Post-Injury Year and Calendar Year of Data Collection

Excludes Lost to Follow-up (Continued on next page)

Post-Injury year	Calendar Year of Data Collection											
	1975- 1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
1	7,512	981	693	451	427	590	521	581	529	485	506	571
2	5,999	808	723	443	381	457	333	555	440	389	407	466
3	4,669	681	624	540	390	399	275	396	445	360	245	199
4	3,635	597	496	445	421	434	263	368	306	350	254	210
5	2,921	408	430	361	328	472	254	328	300	242	335	388
6	2,277	384	254	323	280	381	295	305	295	217	114	220
7	1,713	405	248	205	258	354	257	345	260	204	107	112
8	1,268	305	279	220	141	280	221	289	301	211	92	89
9	935	239	208	228	167	181	210	222	269	234	89	104
10	634	211	147	186	174	202	146	226	216	234	259	231
11	364	176	139	152	121	186	135	140	194	179	21	57
12	148	146	110	132	107	132	129	141	118	160	12	11
13	35	81	100	105	92	107	93	134	124	99	9	5
14	0	35	59	96	71	100	70	115	128	112	7	17
15	0	0	29	57	80	98	112	83	103	140	180	224
16	0	0	0	24	38	83	53	75	69	91	18	6
17	0	0	0	0	14	32	67	57	72	59	13	5
18	0	0	0	0	0	11	25	70	49	64	7	7
19	0	0	0	0	0	0	4	26	63	47	2	20
20	0	0	0	0	0	0	0	7	20	75	111	167
21	0	0	0	0	0	0	0	0	3	20	4	3
22	0	0	0	0	0	0	0	0	0	2	2	4
23	0	0	0	0	0	0	0	0	0	0	0	3
24	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0
Total	32,110	5,457	4,539	3,968	3,490	4,499	3,463	4,463	4,304	3,974	2,794	3,121

Footnote 1: Date of each record first entered into the database (Indate) was added in 1986.

Footnote 2: Form II data collection frequency changed in 1995 and 2000.

Table 9. Number of Form IIs by Post-Injury Year and Calendar Year of Data Collection

Excludes Lost to Follow-up (Continued on next page)

Post-injury year	Calendar Year of Data Collection												
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1	590	548	454	476	434	490	592	472	457	516	615	537	667
2	467	468	389	45	18	30	31	15	10	9	18	13	20
3	87	113	48	26	1	3	8	1	1	2	6	2	2
4	197	64	60	5	2	2	0	1	0	1	5	1	0
5	348	279	296	305	272	243	272	300	338	423	382	322	338
6	230	162	119	14	1	1	2	1	0	0	7	2	3
7	213	174	142	32	1	0	1	1	1	1	3	2	0
8	100	174	160	22	4	0	2	0	0	0	1	0	0
9	82	98	139	20	7	6	0	0	0	0	1	0	0
10	212	192	181	239	212	168	188	196	190	296	311	250	268
11	88	82	57	13	2	4	1	1	0	1	1	1	1
12	62	71	57	7	2	8	3	1	1	0	4	3	0
13	12	42	59	9	3	8	0	0	0	0	3	1	0
14	13	10	35	9	2	3	1	0	0	0	1	0	0
15	263	252	234	237	140	117	143	158	178	238	221	187	202
16	10	4	2	0	0	2	3	0	0	0	9	1	0
17	10	0	1	4	0	0	6	0	0	0	3	0	0
18	12	0	1	2	0	1	8	0	0	0	1	0	0
19	11	8	5	1	0	1	2	0	0	0	1	0	0
20	170	178	160	203	182	163	223	202	215	173	130	111	155
21	8	2	1	0	0	0	3	1	4	0	0	1	0
22	5	2	2	0	1	0	1	2	0	0	1	2	0
23	5	0	0	0	0	2	2	0	0	0	1	0	0
24	2	2	4	0	0	0	9	0	0	0	0	0	0
25	6	55	105	155	131	142	178	196	166	219	209	178	217
26	0	0	0	0	0	0	3	1	0	2	0	0	0
27	0	0	0	0	0	0	5	0	0	0	0	0	0
28	0	0	0	0	0	0	5	2	0	0	0	0	0
29	0	0	0	0	0	0	8	1	0	0	0	0	0
30	0	0	0	0	0	5	53	105	112	205	177	179	214
31	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	6	53	100
36	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,203	2,980	2,711	1,824	1,415	1,399	1,753	1,657	1,673	2,086	2,117	1,846	2,187

Footnote 1: Date of each record first entered into the database (Indate) was added in 1986.

Footnote 2: Form II data collection frequency changed in 1995 and 2000.

Table 9. Number of Form IIs by Post-Injury Year and Calendar Year of Data Collection

Excludes Lost to Follow-up

Post-injury year	Calendar Year of Data Collection														
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
1	539	381	650	671	648	570	595	626	644	584	465	456	540	411	28,475
2	12	8	4	1	4	1	1	0	1	4	0	0	1	1	12,972
3	1	1	2	1	0	1	0	0	1	2	0	0	0	0	9,532
4	1	0	0	1	0	0	0	0	0	2	0	0	1	0	8,122
5	331	367	459	430	487	335	452	420	495	462	370	268	510	257	16,528
6	1	1	2	2	1	0	0	0	0	1	0	0	0	0	5,895
7	0	1	0	2	0	0	0	0	0	2	0	0	0	0	5,044
8	0	0	0	0	1	1	0	0	1	1	0	0	0	0	4,163
9	1	0	0	0	0	0	0	0	0	1	0	0	0	0	3,441
10	241	316	410	312	351	258	339	348	351	329	242	216	355	228	10,065
11	1	0	0	0	0	0	0	0	1	1	0	0	0	1	2,120
12	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1,567
13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1,122
14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	885
15	175	238	253	226	251	216	284	336	282	236	175	161	273	195	6,977
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	489
17	0	0	1	0	0	0	0	0	0	0	0	0	1	0	345
18	0	0	0	0	1	1	0	0	0	0	0	0	0	0	260
19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	192
20	140	222	200	225	249	168	233	180	216	160	165	137	196	158	5,294
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
23	1	0	0	1	0	1	0	0	0	0	0	0	0	0	16
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
25	168	204	157	143	170	156	210	171	175	169	124	115	163	88	4,170
26	0	1	0	0	0	0	0	0	0	1	0	0	0	0	8
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
28	0	0	0	0	0	1	0	0	0	0	0	0	0	0	8
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
30	179	213	190	245	244	180	192	124	105	102	83	119	131	83	3,240
31	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
32	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
33	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
34	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
35	105	183	185	154	241	166	176	159	220	159	125	104	83	57	2,276
36	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
39	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
40	0	1	9	38	113	101	138	109	174	153	110	104	127	112	1,289
41	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
45	0	0	0	0	0	0	1	11	40	44	63	69	79	65	372
50	0	0	0	0	0	0	0	0	0	0	0	0	1	11	12
Total	1,896	2,137	2,522	2,452	2,763	2,162	2,622	2,485	2,706	2,415	1,922	1,749	2,461	1,668	134,993

Footnote 1: Date of each record first entered into the database (Indate) was added in 1986.

Footnote 2: Form II data collection frequency changed in 1995 and 2000.

Table 10. Form I Participant Status

	Participant Status						
n (%)	Deceased	Neuro-recovery	Withdrawn	ID Unknown	Eligible	Eligible Lost	Unknown
Total	13,637 (36.0)	2,441 (6.4)	1,408 (3.7)	927 (2.4)	11,728 (31.0)	7,725 (20.4)	37,866

Footnote 1: Eligible/Lost: Eligible for follow up, but last Form II coded lost (Category of Care=5).

Table 11. Primary Cause of Death

ICD10 Codes	Primary Cause of Death	Overall	≤ 1 year	>1 year
J00-J99	Diseases of the respiratory system	3,595 (20.8)	619 (30.4)	2,976 (19.6)
A00-B99	Infective and parasitic diseases	2,188 (12.7)	198 (9.7)	1,990 (13.1)
C00-D48	Neoplasms	1,927 (11.2)	89 (4.4)	1,838 (12.1)
I10-I25	Hypertensive and ischemic heart disease	1,824 (10.6)	145 (7.1)	1,679 (11.0)
I00-I09, I30-I52	Other heart disease	1,369 (7.9)	275 (13.5)	1,094 (7.2)
S00-X59	Unintentional injuries	1,138 (6.6)	58 (2.9)	1,080 (7.1)
K00-K93	Diseases of the digestive system	826 (4.8)	69 (3.4)	757 (5.0)
I60-I69	Cerebrovascular disease	610 (3.5)	66 (3.2)	544 (3.6)
X60-X84	Suicide	486 (2.8)	30 (1.5)	456 (3.0)
I26-I28	Disease of pulmonary circulation	471 (2.7)	177 (8.7)	294 (1.9)
N00-N99	Diseases of the genitourinary system	473 (2.7)	50 (2.5)	423 (2.8)
E00-E90	Endocrine, nutritional, metabolic and immunity disorders	527 (3.1)	36 (1.8)	491 (3.2)
R00-R99	Symptoms and ill-defined conditions	444 (2.6)	65 (3.2)	379 (2.5)
G00-H95	Diseases of the nervous system and sense organs	373 (2.2)	68 (3.3)	305 (2.0)
I70-I79	Diseases of the arteries, arterioles, and capillaries	188 (1.1)	27 (1.3)	161 (1.1)
M00-M99	Diseases of the musculoskeletal system and connective tissue	243 (1.4)	10 (0.5)	233 (1.5)
F00-F99	Mental disorders	179 (1.0)	16 (0.8)	163 (1.1)
Y10-Y34	Subsequent trauma of uncertain nature (unintentional/suicide/homicide)	155 (0.9)	13 (0.6)	142 (0.9)
X85-Y09	Homicides	131 (0.8)	8 (0.4)	123 (0.8)
D50-D89	Diseases of blood and blood-forming organs	54 (0.3)	5 (0.3)	49 (0.3)
I80-I89	Diseases of veins, lymphatics, and other diseases of the circulatory system	26 (0.2)	10 (0.5)	16 (0.1)
Q00-Q99	Congenital anomalies	22 (0.1)	2 (0.1)	20 (0.1)
Y35	Legal intervention	3 (<0.1)	0(0.0)	3 (<0.1)
	Other	1 (<0.1)	0(0.0)	1 (<0.1)
	Total known causes of death	17,253	2,036	15,217
	Total unknown causes of death	2,251	277	1,974
	Total deaths	19,504	2,313	17,191

Table 12. Cumulative Survival – National

Years Post Injury	Patients Entered	Dead	Censored	Effective Number Exposed	Proportion Dead	Proportion Surviving	Cumulative Survival at Beginning of Interval
0 - 1	57,907	2,313	11,098	52358.0	0.0442	0.9558	1.0000
1 - 2	44,496	1,048	2,676	43158.0	0.0243	0.9757	0.9558
2 - 3	40,772	722	1,072	40236.0	0.0179	0.9821	0.9326
3 - 4	38,978	711	342	38807.0	0.0183	0.9817	0.9159
4 - 5	37,925	657	688	37581.0	0.0175	0.9825	0.8991
5 - 6	36,580	634	1,988	35586.0	0.0178	0.9822	0.8834
6 - 7	33,958	612	1,256	33330.0	0.0184	0.9816	0.8676
7 - 8	32,090	577	393	31893.5	0.0181	0.9819	0.8517
8 - 9	31,120	578	263	30988.5	0.0187	0.9813	0.8363
9 - 10	30,279	543	488	30035.0	0.0181	0.9819	0.8207
10 - 11	29,248	593	1,458	28519.0	0.0208	0.9792	0.8059
11 - 12	27,197	485	951	26721.5	0.0182	0.9818	0.7891
12 - 13	25,761	510	166	25678.0	0.0199	0.9801	0.7748
13 - 14	25,085	480	115	25027.5	0.0192	0.9808	0.7594
14 - 15	24,490	544	228	24376.0	0.0223	0.9777	0.7448
15 - 16	23,718	464	899	23268.5	0.0199	0.9801	0.7282
16 - 17	22,355	475	737	21986.5	0.0216	0.9784	0.7137
17 - 18	21,143	446	170	21058.0	0.0212	0.9788	0.6983
18 - 19	20,527	429	246	20404.0	0.0210	0.9790	0.6835
19 - 20	19,852	470	428	19638.0	0.0239	0.9761	0.6691
20 - 21	18,954	415	735	18586.5	0.0223	0.9777	0.6531
21 - 22	17,804	372	702	17453.0	0.0213	0.9787	0.6385
22 - 23	16,730	418	253	16603.5	0.0252	0.9748	0.6249
23 - 24	16,059	399	222	15948.0	0.0250	0.9750	0.6092
24 - 25	15,438	337	479	15198.5	0.0222	0.9778	0.5939
25 - 26	14,622	382	693	14275.5	0.0268	0.9732	0.5808
26 - 27	13,547	330	789	13152.5	0.0251	0.9749	0.5652
27 - 28	12,428	352	501	12177.5	0.0289	0.9711	0.5510
28 - 29	11,575	313	478	11336.0	0.0276	0.9724	0.5351
29 - 30	10,784	288	568	10500.0	0.0274	0.9726	0.5203
30 - 31	9,928	297	699	9578.5	0.0310	0.9690	0.5061
31 - 32	8,932	247	625	8619.5	0.0287	0.9713	0.4904
32 - 33	8,060	200	422	7849.0	0.0255	0.9745	0.4763
33 - 34	7,438	241	434	7221.0	0.0334	0.9666	0.4642
34 - 35	6,763	233	456	6535.0	0.0357	0.9643	0.4487
35 - 36	6,074	202	493	5827.5	0.0347	0.9653	0.4327
36 - 37	5,379	184	471	5143.5	0.0358	0.9642	0.4177
37 - 38	4,724	126	297	4575.5	0.0275	0.9725	0.4028
38 - 39	4,301	145	295	4153.5	0.0349	0.9651	0.3917
39 - 40	3,861	136	428	3647.0	0.0373	0.9627	0.3780
40 - 41	3,297	133	507	3043.5	0.0437	0.9563	0.3639
41 - 42	2,657	107	328	2493.0	0.0429	0.9571	0.3480
42 - 43	2,222	81	247	2098.5	0.0386	0.9614	0.3331
43 - 44	1,894	69	317	1735.5	0.0398	0.9602	0.3202
44 - 45	1,508	84	267	1374.5	0.0611	0.9389	0.3075
45 - 46	1,157	46	256	1029.0	0.0447	0.9553	0.2887
46 - 47	855	30	275	717.5	0.0418	0.9582	0.2758
47 - 48	550	21	173	463.5	0.0453	0.9547	0.2642
48 - 49	356	15	133	289.5	0.0518	0.9482	0.2523
49 - 50	208	8	110	153.0	0.0523	0.9477	0.2392
50 - 51	90	2	85	47.5	0.0421	0.9579	0.2267
Total	57,907	19,50	38,400				

Footnote 1: Patients entered = Number of individuals alive at start of interval.

Footnote 2: Dead = Number of individuals who died during the interval.

Footnote 3: Censored = Number of individuals alive at start of interval ineligible for further follow-up due to study termination or lost to follow-up (survival status was unknown) during the interval.

Footnote 4: Effective Number Exposed = Number of individuals exposed to risk of dying in interval (patients entered - 0.5 * censored).

Footnote 5: Proportion Dead = Conditional probability of death during the interval (dead / effective number exposed).

Footnote 6: Proportion Surviving = Conditional probability of surviving the interval (1- proportion dead).

Footnote 7: Cumulative Survival at Beginning of Interval = previous cumulative survival * proportion surviving previous interval.

Table 13. SMRs for Persons with SCI Surviving at Least 24 Hours Post-Injury

Neurologic Group	Age Group	Actual Deaths	Expected Deaths	SMR	95% Confidence Limits
Vent Dependent	0-30	249	2.80	88.93	78.39 – 100.50
	31-45	229	5.34	42.88	37.59 – 48.72
	46-60	269	11.39	23.62	20.92 – 26.57
	61+	451	25.48	17.70	16.12 – 19.39
C1-4 AIS A,B,C	0-30	295	24.87	11.86	10.57 – 13.27
	31-45	814	67.06	12.14	11.33 – 12.99
	46-60	1,075	147.35	7.30	6.87 – 7.74
	61+	1,117	245.33	4.55	4.29 – 4.83
C5-8 AIS A,B,C	0-30	337	50.41	6.69	6.00 – 7.43
	31-45	1,037	147.09	7.05	6.63 – 7.49
	46-60	1,671	317.60	5.26	5.01 – 5.52
	61+	1,399	383.27	3.62	3.46 – 3.85
T1-S3 AIS A,B,C	0-30	451	82.98	5.44	4.95 – 5.96
	31-45	1,261	254.52	4.95	4.69 – 5.23
	46-60	1,835	550.52	3.33	3.18 – 3.49
	61+	1,919	777.23	2.47	2.36 – 2.58
All Level AIS D	0-30	120	44.16	2.72	2.26 – 3.24
	31-45	397	155.15	2.56	2.32 – 2.82
	46-60	1,029	509.28	2.02	1.90 – 2.15
	61+	2,523	1536.41	1.64	1.58 – 1.71

Footnote 1: SMR= Standardized mortality ratio (Actual deaths/Expected deaths).

Table 14. SMRs for Persons with SCI Surviving at Least 1 Year Post-Injury

Neurologic Group	Age Group	Actual Deaths	Expected Deaths	SMR	95% Confidence Limits
Vent Dependent	0-30	111	2.35	47.23	39.042 – 6.66
	31-45	122	4.83	25.26	21.07 – 30.05
	46-60	145	9.68	14.98	12.69 – 17.57
	61+	116	16.79	6.91	5.74 – 8.26
C1-4 AIS A,B,C	0-30	246	21.68	11.35	9.99 – 12.83
	31-45	756	63.74	11.86	11.04 – 12.73
	46-60	963	138.26	6.97	6.54 – 7.42
	61+	865	221.89	3.90	3.65 – 4.17
C5-8 AIS A,B,C	0-30	276	44.58	6.19	5.50– 7.37
	31-45	987	142.57	6.92	6.55 – 7.43
	46-60	1,574	309.64	5.08	4.84– 5.34
	61+	1,241	365.00	3.40	3.22 – 3.59
T1-S3 AIS A,B,C	0-30	386	72.72	5.31	4.80 – 5.86
	31-45	1,197	246.04	4.87	4.60 – 5.15
	46-60	1,767	538.76	3.28	3.13 – 3.44
	61+	1,793	756.92	2.37	2.26 – 2.48
All Level AIS D	0-30	96	38.77	2.48	2.02 – 3.01
	31-45	383	148.77	2.57	2.33 – 2.84
	46-60	966	487.98	1.98	1.86 – 2.11
	61+	2,345	1463.79	1.60	1.54 – 1.67

Footnote 1: SMR= Standardized mortality ratio (Actual deaths/Expected deaths).

Table 15. Life Expectancy for Persons with SCI Surviving at Least 24 Hours Post-Injury

		AIS D	AIS ABC			Vent Dependent
Age at Injury	No SCI	Any Level	T1-S3	C5-C8	C1-C4	Any Level
10 years	66.9	57.8	49.4	43.9	36.6	14.7
15 years	62.0	52.9	44.6	39.1	31.9	10.6
20 years	57.1	48.4	40.3	34.9	28.0	8.2
25 years	52.5	44.1	36.5	31.1	24.8	7.4
30 years	47.8	40.0	33.0	27.7	22.0	8.1
35 years	43.2	36.0	29.6	24.5	19.6	7.6
40 years	38.8	32.1	26.4	21.6	17.5	6.7
45 years	34.4	28.4	23.4	19.0	15.8	6.5
50 years	30.1	24.6	20.1	16.1	13.5	5.4
55 years	26.0	21.0	17.1	13.5	11.3	4.0
60 years	22.1	17.8	14.5	11.6	10.0	3.3
65 years	18.4	14.6	11.8	9.4	8.1	2.7
70 years	14.9	11.6	9.1	7.1	6.1	1.8
75 years	11.6	8.7	6.7	5.1	4.2	1.1
80 years	8.7	6.3	4.7	3.4	2.8	0.5

Footnote 1: Values for persons with no SCI are from the 2021 life tables for the U.S. general population.

Table 16. Life Expectancy for Persons with SCI Surviving at Least 1 Year Post-Injury

		AIS D	AIS ABC			Vent Dependent
Current Age	No SCI	Any Level	T1-S3	C5-C8	C1-C4	Any Level
10 years	66.9	58.2	49.8	44.6	37.3	21.2
15 years	62.0	53.3	45.0	39.8	32.7	16.9
20 years	57.1	48.7	40.7	35.5	28.7	14.2
25 years	52.5	44.4	36.9	31.7	25.5	13.0
30 years	47.8	40.2	33.4	28.2	22.7	13.0
35 years	43.2	36.2	30.0	25.0	20.3	11.8
40 years	38.8	32.3	26.7	22.1	18.2	10.5
45 years	34.4	28.6	23.7	19.4	16.6	9.8
50 years	30.1	24.8	20.4	16.6	14.3	8.3
55 years	26.0	21.2	17.4	14.0	12.2	7.0
60 years	22.1	18.0	14.8	12.0	10.9	7.0
65 years	18.4	14.8	12.1	9.8	9.0	6.0
70 years	14.9	11.7	9.4	7.5	6.8	4.4
75 years	11.6	8.9	6.9	5.3	4.8	3.0
80 years	8.7	6.4	4.8	3.6	3.2	1.9

Footnote 1: Values for persons with no SCI are from the 2021 life tables for the U.S. general population.

Table 17. Category of Follow-up

	Category of Follow-up					
n (%)	System Appt	Interview Only	Lost	Future Follow-up Not Required	Unkn	Total
Total	71,961 (34.5)	60,421 (29.0)	73,646 (35.3)	2,252 (1.1)	359 (0.2)	208,639

Footnote 1: 'Future Follow-up Not Required'=Form IIs coded 8 (Minimal Deficit).

Footnote 2: 'Lost' includes Lost to Follow-up due to breaks in funding.

Table 18. Category of Follow-up Care by Post-Injury Year

	Post-Injury Year											
Category of Follow-up Care n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
System Appt	19,620 (57.2)	7,321 (26.7)	3,613 (16.5)	2,049 (11.7)	1,260 (9.1)	867 (8.0)	489 (6.3)	273 (5.2)	153 (5.5)	30 (3.1)	2 (8.0)	35,677
Interview Only	7,626 (22.2)	8,886 (32.4)	6,333 (28.9)	4,865 (27.8)	3,997 (28.8)	3,273 (30.4)	2,727 (35.2)	1,983 (38.0)	1,136 (41.0)	342 (35.8)	10 (40.0)	41,178
Lost	5,848 (17.0)	10,892 (39.7)	11,816 (54.0)	10,503 (60.1)	8,593 (61.9)	6,604 (61.3)	4,500 (58.1)	2,937 (56.3)	1,484 (53.5)	582 (61.0)	13 (52.0)	63,772
Future Follow-up Not Required	1,140 (3.3)	281 (1.0)	111 (0.5)	55 (0.3)	33 (0.2)	28 (0.3)	24 (0.3)	18 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	1,690
Unkn	89 (0.3)	40 (0.1)	8 (0.0)	8 (0.0)	4 (0.0)	2 (0.0)	0 (0.0)	2 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	153
Total	34,323	27,420	21,881	17,480	13,887	10,774	7,740	5,213	2,773	954	25	142,470

Footnote 1: 'Lost' includes Lost to Follow-up due to breaks in funding.

Table 19. Reasons for Lost by Post-Injury Year: Lost to Follow-up Records Only

Reason for Lost n (%)	Post-Injury Year											
	1	5	10	15	20	25	30	35	40	45	50	Total
Patient refused/withdrew consent	97 (2.5)	89 (0.9)	60 (0.5)	48 (0.5)	53 (0.6)	35 (0.5)	5 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	387
Incarcerated and not available	74 (1.9)	96 (1.0)	77 (0.7)	75 (0.7)	48 (0.6)	31 (0.5)	17 (0.4)	11 (0.4)	6 (0.4)	1 (0.2)	0 (0.0)	436
Unable to contact	848 (21.7)	1,122 (11.6)	993 (8.8)	663 (6.4)	606 (7.1)	572 (8.7)	301 (6.7)	53 (1.8)	0 (0.0)	0 (0.0)	0 (0.0)	5,158
Patient interview	92 (2.4)	89 (0.9)	106 (0.9)	78 (0.8)	68 (0.8)	91 (1.4)	64 (1.4)	56 (1.9)	25 (1.7)	5 (0.9)	0 (0.0)	674
Withdrew consent	248 (6.3)	227 (2.3)	217 (1.9)	190 (1.8)	151 (1.8)	160 (2.4)	181 (4.0)	105 (3.6)	49 (3.3)	13 (2.2)	1 (7.7)	1,542
ID Unkn Due to break in Funding	2 (0.1)	21 (0.2)	22 (0.2)	28 (0.3)	145 (1.7)	404 (6.1)	798 (17.7)	434 (14.8)	95 (6.4)	20 (3.4)	0 (0.0)	1,969
Contact made but survey not completed*	208 (5.3)	248 (2.6)	193 (1.7)	192 (1.9)	187 (2.2)	166 (2.5)	135 (3.0)	118 (4.0)	79 (5.3)	21 (3.6)	0 (0.0)	1,547
Language barrier*	2 (0.1)	6 (0.1)	10 (0.1)	4 (0.0)	4 (0.0)	1 (0.0)	2 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	30
Moved out of country*	15 (0.4)	41 (0.4)	52 (0.5)	31 (0.3)	19 (0.2)	14 (0.2)	12 (0.3)	16 (0.5)	9 (0.6)	4 (0.7)	0 (0.0)	213
No contact, but valid information*	233 (6.0)	348 (3.6)	427 (3.8)	378 (3.7)	391 (4.6)	333 (5.0)	281 (6.2)	282 (9.6)	156 (10.5)	69 (11.9)	3 (23.1)	2,901
No contact, no valid information*	257 (6.6)	530 (5.5)	649 (5.7)	681 (6.6)	701 (8.2)	653 (9.9)	587 (13.0)	465 (15.8)	319 (21.5)	116 (19.9)	4 (30.8)	4,962
Identity unknown to NSCISC	0 (0.0)	18 (0.2)	43 (0.4)	1 (0.0)	1 (0.0)	146 (2.2)	32 (0.7)	2 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	244
Break in Funding	376 (9.6)	2,477 (25.6)	3,050 (27.0)	3,299 (31.9)	2,832 (33.1)	2,253 (34.1)	1,461 (32.5)	1,238 (42.2)	718 (48.4)	317 (54.5)	0 (0.0)	18,021
Other	159 (4.1)	161 (1.7)	159 (1.4)	140 (1.4)	166 (1.9)	83 (1.3)	66 (1.5)	42 (1.4)	21 (1.4)	14 (2.4)	5 (38.5)	1,016
Unkn	1,300 (33.2)	4,189 (43.4)	5,245 (46.4)	4,542 (43.9)	3,185 (37.2)	1,662 (25.2)	558 (12.4)	115 (3.9)	5 (0.3)	2 (0.3)	0 (0.0)	20,803
Total	3,911 (6.5)	9,662 (16.1)	11,303 (18.9)	10,350 (17.3)	8,557 (14.3)	6,604 (11.0)	4,500 (7.5)	2,937 (4.9)	1,484 (2.5)	582 (1.0)	13 (0.0)	59,903

Footnote 1: Form IIs entered into the database since January 1, 1998 for required years only.

Footnote 2: In February 2007, 'Refusal/Withdrawn Consent' code is invalid and replaced with new codes: 'Withdrew Consent' and 'Patient Refusal'

Footnote 3: In February 2009, 'Identity Unknown' code added for participants with no personal identifiers due to break in funding.

Footnote 4: In October 2011, 'Unable to contact' is invalid; *codes were added.

Table 20. How was the Interview Conducted

	How was interview conducted								
n (%)	In Person	By Phone	Self Admin Mailed	Combo	Self Admin REDCap	Chart Review	N/A, no interview data	Unkn	Total
Total	4,506 (8.0)	40,375 (71.3)	5,181 (9.1)	4,164 (7.4)	558 (1.0)	210 (0.4)	1,305 (2.3)	337 (0.6)	56,636

Footnote 1: Form IIs entered into the database since March 1, 1996 and only required interview years (1, 5, 10...).

Footnote 2: Code 4 (combo) added in 1998.

Footnote 3: Code 3 (Self-Admin-Mailed), Code 5 (Self-Admin-REDCap), and Code 6 (Chart Review Only) added in 2021.

Table 21. Age at Injury: Frequency Distribution

Age	Freq- uency	Percent	Cumulative Percent
<1	5	0.01	0.01
1	13	0.03	0.05
2	10	0.03	0.07
3	22	0.06	0.13
4	22	0.06	0.19
5	18	0.05	0.24
6	20	0.05	0.29
7	15	0.04	0.33
8	19	0.05	0.38
9	21	0.06	0.44
10	33	0.09	0.52
11	16	0.04	0.57
12	37	0.10	0.66
13	109	0.29	0.95
14	217	0.57	1.52
15	434	1.15	2.67
16	836	2.21	4.88
17	1210	3.20	8.07
18	1532	4.05	12.12
19	1575	4.16	16.28
20	1423	3.76	20.04
21	1395	3.68	23.72
22	1313	3.47	27.19
23	1211	3.20	30.39
24	1174	3.10	33.49
25	1080	2.85	36.34
26	994	2.63	38.96
27	950	2.51	41.47
28	905	2.39	43.86
29	883	2.33	46.20
30	813	2.15	48.34
31	764	2.02	50.36
32	746	1.97	52.33

Age	Freq- uency	Percent	Cumulative Percent
33	617	1.63	53.96
34	579	1.53	55.49
35	632	1.67	57.16
36	593	1.57	58.72
37	568	1.50	60.22
38	612	1.62	61.84
39	516	1.36	63.20
40	499	1.32	64.52
41	516	1.36	65.88
42	494	1.30	67.19
43	479	1.27	68.45
44	488	1.29	69.74
45	468	1.24	70.98
46	445	1.18	72.15
47	459	1.21	73.37
48	455	1.20	74.57
49	435	1.15	75.72
50	455	1.20	76.92
51	399	1.05	77.97
52	426	1.13	79.10
53	423	1.12	80.21
54	406	1.07	81.29
55	412	1.09	82.37
56	423	1.12	83.49
57	397	1.05	84.54
58	386	1.02	85.56
59	362	0.96	86.52
60	396	1.05	87.56
61	366	0.97	88.53
62	337	0.89	89.42
63	297	0.78	90.20
64	297	0.78	90.99
65	286	0.76	91.74

Age	Freq- uency	Percent	Cumulative Percent
66	303	0.80	92.54
67	270	0.71	93.25
68	265	0.70	93.95
69	230	0.61	94.56
70	199	0.53	95.09
71	205	0.54	95.63
72	159	0.42	96.05
73	174	0.46	96.51
74	158	0.42	96.93
75	156	0.41	97.34
76	134	0.35	97.69
77	148	0.39	98.08
78	107	0.28	98.37
79	121	0.32	98.68
80	80	0.21	98.90
81	60	0.16	99.05
82	61	0.16	99.22
83	60	0.16	99.37
84	50	0.13	99.51
85	42	0.11	99.62
86	42	0.11	99.73
87	24	0.06	99.79
88	23	0.06	99.85
89	18	0.05	99.90
90	11	0.03	99.93
91	9	0.02	99.95
92	8	0.02	99.97
93	1	< 0.01	99.98
94	3	0.01	99.98
95	3	0.01	99.99
97	1	< 0.01	99.99
98	1	< 0.01	100.00
99	1	< 0.01	100.00

Footnote 1: Excludes 1 record reporting unknown age.

Table 22. Age at Injury

	Age at Injury				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	37,865	36.5	17.6	0	99

Footnote 1: Excludes 1 record reporting unknown age

Table 23. Trend in Age by Year of Injury

	Age at Injury				
Year of Injury	N	Mean	Standard Deviation	Minimum	Maximum
1972-1979	4,563	28.7	14.1	1	88
1980-1984	4,949	30.5	14.7	1	90
1985-1989	3,843	32.3	15.8	0	92
1990-1994	3,294	33.7	16.0	1	97
1995-1999	3,623	36.4	17.0	0	98
2000-2004	3,443	37.6	16.7	3	90
2005-2009	3,605	40.5	18.0	1	94
2010-2014	3,650	42.2	18.4	0	95
2015-2019	3,703	43.4	18.4	0	92
2020-2024	3,192	44.5	19.1	13	99
Total	37,865	36.5	17.6	0	99

Footnote 1: September 2021: Trend data for 2010-2014 & 2015-2020 was updated.

Table 24. Sex/Gender

Sex/Gender						
n (%)	Male	Female	Transgender, male at birth	Transgender, female at birth	Unkn	Total
Total	30,360 (80.2)	7,491 (19.8)	8 (0.0)	3 (0.0)	4 (0.0)	37,866

Footnote 1: September 2021, added codes for 'Transgender, male at birth' and 'Transgender female at birth'. Records previously coded as '3. Other, Transgender' were updated to sex at birth.

Table 25. Racial Group

	Racial Group							
n (%)	Caucasian	African American	Native American	Asian	Other	Declined	Unkn	Total
Total	25,277 (66.8)	8,788 (23.2)	359 (0.9)	707 (1.9)	954 (2.5)	58 (0.2)	1,723 (4.6)	37,866

Footnote 1: High percentages of unknowns are mainly due to database conversion process in 1995.

Footnote 2: 'Decline' code was added in October 2011.

Table 26. Hispanic Origin

	Hispanic Origin				
n (%)	No	Yes	Declined	Unkn	Total
Total	33,600 (88.7)	3,923 (10.4)	26 (0.1)	317 (0.8)	37,866

Footnote 1: 'Decline' code was added in October 2011.

Table 27. Hispanic Origin by Race

	Racial Group							
Hispanic Origin n (%)	Caucasian	African American	Native American	Asian/Pacific Islander	Other, Unclassified	Declined	Unkn	Total
Not Hispanic Origin	23,784 (62.8)	8,551 (22.6)	299 (0.8)	681 (1.8)	265 (0.7)	10 (0.0)	10 (0.0)	33,600
Hispanic Origin	1,374 (3.6)	150 (0.4)	59 (0.2)	25 (0.1)	679 (1.8)	41 (0.1)	1,595 (4.2)	3,923
Declined	10 (0.0)	4 (0.0)	0 (0.0)	0 (0.0)	5 (0.0)	7 (0.0)	0 (0.0)	26
Unkn	109 (0.3)	83 (0.2)	1 (0.0)	1 (0.0)	5 (0.0)	0 (0.0)	118 (0.3)	317
Total	25,277	8,788	359	707	954	58	1,723	37,866

Footnote 1: High percentage of unknowns are mainly due to a database conversion process in 1995.

Footnote 2: 'Declined' code was added in October 2011.

Table 28. Trend in Race by Year of Injury

	Year of Injury										
Racial Group n (%)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Caucasian	3,503 (76.8)	3,523 (71.2)	2,487 (64.8)	1,802 (54.8)	2,248 (62.1)	2,414 (70.2)	2,387 (66.3)	2,567 (70.5)	2,434 (65.9)	1,700 (58.8)	25,065
African American	648 (14.2)	873 (17.7)	956 (24.9)	958 (29.1)	981 (27.1)	813 (23.6)	961 (26.7)	813 (22.3)	909 (24.6)	796 (27.5)	8,708
Native American	88 (1.9)	65 (1.3)	29 (0.8)	15 (0.5)	17 (0.5)	11 (0.3)	31 (0.9)	35 (1.0)	30 (0.8)	33 (1.1)	354
Asian	42 (0.9)	61 (1.2)	55 (1.4)	62 (1.9)	83 (2.3)	70 (2.0)	74 (2.1)	65 (1.8)	94 (2.5)	87 (3.0)	693
Other	16 (0.4)	17 (0.3)	10 (0.3)	47 (1.4)	110 (3.0)	98 (2.9)	114 (3.2)	110 (3.0)	171 (4.6)	232 (8.0)	925
Declined	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	7 (0.2)	22 (0.6)	27 (0.9)	56
Unkn	263 (5.8)	407 (8.2)	303 (7.9)	407 (12.4)	180 (5.0)	32 (0.9)	34 (0.9)	45 (1.2)	31 (0.8)	15 (0.5)	1,717
Total	4,560	4,946	3,840	3,291	3,619	3,438	3,601	3,642	3,691	2,890	37,518

Footnote 1: High percentage of unknowns are mainly due to a database conversion process in 1995.

Footnote 2: 'Declined' code was added in October 2011.

Footnote 3: September 2021: Trend data for 2010-2014 & 2015-2020 was updated.

Table 29. Trend in Hispanic Origin by Year of Injury

	Year of Injury										
Hispanic Origin n (%)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
No	4,285 (94.0)	4,538 (91.8)	3,532 (92.0)	2,853 (86.7)	3,119 (86.2)	2,988 (86.9)	3,247 (90.2)	3,181 (87.3)	3,165 (85.7)	2,405 (83.2)	33,313
Yes	272 (6.0)	406 (8.2)	307 (8.0)	420 (12.8)	398 (11.0)	429 (12.5)	309 (8.6)	380 (10.4)	484 (13.1)	465 (16.1)	3,870
Declined	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.0)	7 (0.2)	7 (0.2)	10 (0.3)	25
Unkn	3 (0.1)	2 (0.0)	1 (0.0)	18 (0.5)	102 (2.8)	21 (0.6)	44 (1.2)	74 (2.0)	35 (0.9)	10 (0.3)	310
Total	4,560	4,946	3,840	3,291	3,619	3,438	3,601	3,642	3,691	2,890	37,518

Footnote 1: 'Declined' code was added in October 2011.

Footnote 2: September 2021: Trend data for 2010-2014 & 2015-2020 was updated.

Table 30. Etiology of Spinal Cord Injury by Sex

Rank	Etiology n(%)	Males	Females	Total
1	Auto accident	8,500 (28.0)	3,354 (44.8)	11,854 (31.4)
2	Fall	7,159 (23.6)	1,826 (24.4)	8,985 (23.8)
3	Gunshot wound	5,065 (16.7)	695 (9.3)	5,760 (15.2)
4	Motorcycle accident	2,174 (7.2)	173 (2.3)	2,347 (6.2)
5	Diving	1,905 (6.3)	179 (2.4)	2,084 (5.5)
6	Medical/surgical complication	688 (2.3)	424 (5.7)	1,112 (2.9)
7	Hit by falling/flying object	946 (3.1)	60 (0.8)	1,006 (2.7)
8	Bicycle	605 (2.0)	83 (1.1)	688 (1.8)
9	Pedestrian	418 (1.4)	146 (2.0)	564 (1.5)
10	Person-to-person contact	276 (0.9)	76 (1.0)	352 (0.9)
11	Other unclassified	294 (1.0)	34 (0.5)	328 (0.9)
12	All-terrain vehicle (ATV) and all-terrain cycle (ATC)	269 (0.9)	51 (0.7)	320 (0.8)
13	All other penetrating wounds	222 (0.7)	62 (0.8)	284 (0.8)
14	Other vehicular	209 (0.7)	22 (0.3)	231 (0.6)
15	Snow skiing	205 (0.7)	24 (0.3)	229 (0.6)
16	Other sport	155 (0.5)	41 (0.5)	196 (0.5)
17	Winter sports	158 (0.5)	33 (0.4)	191 (0.5)
18	Horseback riding	83 (0.3)	90 (1.2)	173 (0.5)
19	Football	162 (0.5)	0 (0.0)	162 (0.4)
20	Surfing: includes body surfing	155 (0.5)	7 (0.1)	162 (0.4)
21	Fixed-wing aircraft	76 (0.3)	31 (0.4)	107 (0.3)
22	Wrestling	99 (0.3)	2 (0.0)	101 (0.3)
23	Trampoline	75 (0.2)	9 (0.1)	84 (0.2)
24	Snowmobile	56 (0.2)	10 (0.1)	66 (0.2)
25	Gymnastics	40 (0.1)	21 (0.3)	61 (0.2)
26	Air sports	47 (0.2)	3 (0.0)	50 (0.1)
27	Field sports	45 (0.1)	2 (0.0)	47 (0.1)
28	Boat	28 (0.1)	14 (0.2)	42 (0.1)
29	Hang gliding	39 (0.1)	2 (<0.1)	41 (0.1)
30	Rotating wing aircraft	35 (0.1)	2 (<0.1)	37 (0.1)
31	Water skiing	33 (0.1)	3 (<0.1)	36 (0.1)
32	Baseball/softball	25 (0.1)	1 (<0.1)	26 (0.1)
33	Rodeo	24 (0.1)	1 (<0.1)	25 (0.1)
34	Explosion	14 (<0.1)	2 (<0.1)	16 (<0.1)
35	Basketball/volleyball	15 (<0.1)	0 (0.0)	15 (<0.1)
36	Skateboard	10 (<0.1)	1 (<0.1)	11 (<0.1)
37	Track and field	6 (<0.1)	0 (0.0)	6 (<0.1)
	Total	30,315 (80.2)	7,484 (19.8)	37,799 (100)

Footnote 1: Excludes 3 records reporting unknown etiology.

Footnote 2: Males include 8 transgender, male at birth. Females include 3 transgender, female at birth.

Table 31. Grouped Etiology

	Etiology							
n (%)	Vehicular	Violence	Sports	Falls	Med/Surg	Other	Unkn	Total
Total	15,692 (41.4)	6,413 (16.9)	3,700 (9.8)	8,986 (23.7)	1,112 (2.9)	1,898 (5.0)	65 (0.2)	37,866

Footnote 1: 'Other' denotes all centers that are not funded for the 2021-2026 funding cycle.

Table 32. Grouped Etiology by Age at Injury

	Age at Injury						
Etiology n (%)	<15	16-30	31-45	46-60	61-75	76-98	Total
Vehicular	374 (37.0)	7,953 (46.0)	3,799 (44.3)	2,390 (38.1)	994 (26.9)	182 (18.0)	15,692
Violence	233 (23.0)	4,275 (24.7)	1,430 (16.7)	390 (6.2)	75 (2.0)	10 (1.0)	6,413
Sports	243 (24.0)	2,414 (14.0)	637 (7.4)	285 (4.5)	112 (3.0)	9 (0.9)	3,700
Falls	79 (7.8)	1,817 (10.5)	1,945 (22.7)	2,437 (38.8)	2,013 (54.4)	695 (68.9)	8,986
Med/Surg	27 (2.7)	114 (0.7)	146 (1.7)	373 (5.9)	370 (10.0)	82 (8.1)	1,112
Other	52 (5.1)	702 (4.1)	599 (7.0)	388 (6.2)	131 (3.5)	26 (2.6)	1,898
Unkn	3 (0.3)	19 (0.1)	15 (0.2)	16 (0.3)	7 (0.2)	5 (0.5)	65
Total	1,011	17,294	8,571	6,279	3,702	1,009	37,866

Footnote 1: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78; Falls=code 30; Medical/surgical complication=code 50.

Table 33. Grouped Etiology by Sex

	Sex		
Etiology n (%)	Male	Female	Total
Vehicular	11,952 (39.4)	3,740 (49.9)	15,692
Violence	5,577 (18.4)	835 (11.1)	6,412
Sports	3,281 (10.8)	419 (5.6)	3,700
Falls	7,159 (23.6)	1,826 (24.4)	8,985
Med/Surg	688 (2.3)	424 (5.7)	1,112
Other	1,658 (5.5)	240 (3.2)	1,898
Unkn	53 (0.2)	10 (0.1)	63
Total	30,368	7,494	37,862

Footnote 1: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78; Falls=code 30; Medical/surgical complication=code 50.

Footnote 2: Males include 8 transgender, male at birth. Females include 3 transgender, female at birth.

Footnote 3: Excludes 4 records reporting unknown Biological Sex.

Table 34. Grouped Etiology by Racial Group

	Racial Group							
Etiology n (%)	Caucasian	African American	Native American	Asian Pacific Islander	Other, Unclassified	Declined	Unkn	Total
Vehicular	11,743 (46.5)	2,533 (28.8)	195 (54.3)	290 (41.0)	382 (40.0)	24 (41.4)	525 (30.5)	15,692
Violence	1,619 (6.4)	3,725 (42.4)	52 (14.5)	99 (14.0)	207 (21.7)	11 (19.0)	700 (40.6)	6,413
Sports	3,221 (12.7)	239 (2.7)	16 (4.5)	60 (8.5)	53 (5.6)	6 (10.3)	105 (6.1)	3,700
Falls	6,482 (25.6)	1,716 (19.5)	71 (19.8)	192 (27.2)	237 (24.8)	15 (25.9)	273 (15.8)	8,986
Med/Surg	832 (3.3)	197 (2.2)	5 (1.4)	27 (3.8)	27 (2.8)	1 (1.7)	23 (1.3)	1,112
Other	1,338 (5.3)	366 (4.2)	20 (5.6)	36 (5.1)	46 (4.8)	1 (1.7)	91 (5.3)	1,898
Unkn	42 (0.2)	12 (0.1)	0 (0.0)	3 (0.4)	2 (0.2)	0 (0.0)	6 (0.3)	65
Total	25,277	8,788	359	707	954	58	1,723	37,866

Footnote 1: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78; Falls=code 30; Medical/surgical complication=code 50.

Table 35. Grouped Etiology by Hispanic Origin

	Hispanic Origin				
Etiology n (%)	No	Yes	Declined	Unkn	Total
Vehicular	14,151 (42.1)	1,429 (36.4)	8 (30.8)	104 (32.8)	15,692
Violence	5,168 (15.4)	1,173 (29.9)	5 (19.2)	67 (21.1)	6,413
Sports	3,437 (10.2)	244 (6.2)	1 (3.8)	18 (5.7)	3,700
Falls	8,087 (24.1)	792 (20.2)	8 (30.8)	99 (31.2)	8,986
Med/Surg	1,014 (3.0)	91 (2.3)	1 (3.8)	6 (1.9)	1,112
Other	1,693 (5.0)	184 (4.7)	3 (11.5)	18 (5.7)	1,898
Unkn	50 (0.1)	10 (0.3)	0 (0.0)	5 (1.6)	65
Total	33,600	3,923	26	317	37,866

Footnote 1: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78; Falls=code 30; Medical/surgical complication=code 50.

Table 36. Trend in Grouped Etiology by Year of Injury

Etiology n (%)	Year of Injury										Total
	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	
Vehicular	2,142 (47.0)	2,236 (45.2)	1,620 (42.2)	1,197 (36.4)	1,449 (40.0)	1,634 (47.5)	1,459 (40.5)	1,395 (38.3)	1,415 (38.3)	1,145 (36.1)	15,692
Violence	605 (13.3)	792 (16.0)	723 (18.8)	952 (28.9)	764 (21.1)	478 (13.9)	544 (15.1)	493 (13.5)	520 (14.1)	542 (17.1)	6,413
Sports	655 (14.4)	705 (14.3)	390 (10.2)	248 (7.5)	254 (7.0)	302 (8.8)	289 (8.0)	329 (9.0)	295 (8.0)	233 (7.3)	3,700
Falls	752 (16.5)	836 (16.9)	796 (20.7)	659 (20.0)	847 (23.4)	792 (23.0)	998 (27.7)	1,109 (30.5)	1,187 (32.2)	1,010 (31.8)	8,986
Med/Surg	53 (1.2)	83 (1.7)	80 (2.1)	76 (2.3)	131 (3.6)	87 (2.5)	170 (4.7)	171 (4.7)	146 (4.0)	115 (3.6)	1,112
Other	353 (7.7)	294 (5.9)	231 (6.0)	159 (4.8)	174 (4.8)	145 (4.2)	141 (3.9)	145 (4.0)	128 (3.5)	128 (4.0)	1,898
Total	4,560	4,946	3,840	3,291	3,619	3,438	3,601	3,642	3,691	3,173	37,801

Footnote 1: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78; Falls=code 30;

Medical/surgical complication=code 50.

Footnote 2: September 2021: Trend data for 2010-2014 & 2015-2020 was updated.

Table 37. Work Relatedness

n (%)	Injury Related to Work			
	No	Yes	Unkn	Total
Total	15,526 (89.4)	1,639 (9.4)	202 (1.2)	17,367

Footnote 1: Form Is entered to the database since January 1, 2001.

Table 38. Marital Status at Time of Spinal Cord Injury

	Marital Status at Injury								
n (%)	Single	Married	Divorced	Separated	Widowed	Significant other	Other	Unkn	Total
Total	18,899 (49.9)	12,608 (33.3)	3,522 (9.3)	1,199 (3.2)	1,011 (2.7)	45 (0.1)	345 (0.9)	237 (0.6)	37,866

Footnote 1: 'Living with significant other' was added in October 2011.

Table 39. Marital Status by Post-Injury Year

	Post-Injury Year											
Marital Status n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
Single	13,805 (48.5)	7,351 (44.5)	4,036 (40.1)	2,573 (36.9)	1,860 (35.1)	1,421 (34.1)	1,016 (31.4)	647 (28.4)	318 (24.7)	79 (21.2)	2 (16.7)	33,108
Married	9,253 (32.5)	5,343 (32.3)	3,356 (33.3)	2,356 (33.8)	1,869 (35.3)	1,491 (35.8)	1,209 (37.3)	918 (40.3)	557 (43.2)	179 (48.1)	5 (41.7)	26,536
Divorced	3,108 (10.9)	2,525 (15.3)	1,875 (18.6)	1,483 (21.3)	1,168 (22.1)	934 (22.4)	761 (23.5)	501 (22.0)	277 (21.5)	73 (19.6)	3 (25.0)	12,708
Separated	901 (3.2)	439 (2.7)	248 (2.5)	165 (2.4)	118 (2.2)	88 (2.1)	70 (2.2)	40 (1.8)	16 (1.2)	6 (1.6)	0 (0.0)	2,091
Widowed	710 (2.5)	425 (2.6)	267 (2.7)	173 (2.5)	135 (2.6)	135 (3.2)	112 (3.5)	78 (3.4)	62 (4.8)	20 (5.4)	0 (0.0)	2,117
Significant other	306 (1.1)	191 (1.2)	150 (1.5)	123 (1.8)	83 (1.6)	60 (1.4)	53 (1.6)	66 (2.9)	45 (3.5)	11 (3.0)	2 (16.7)	1,090
Other	29 (0.1)	20 (0.1)	10 (0.1)	8 (0.1)	5 (0.1)	6 (0.1)	3 (0.1)	2 (0.1)	1 (0.1)	1 (0.3)	0 (0.0)	85
Unkn	363 (1.3)	234 (1.4)	123 (1.2)	96 (1.4)	56 (1.1)	35 (0.8)	16 (0.5)	24 (1.1)	13 (1.0)	3 (0.8)	0 (0.0)	963
Total	28,475	16,528	10,065	6,977	5,294	4,170	3,240	2,276	1,289	372	12	78,698

Footnote 1: 'Living with significant other' was added in October 2011.

Table 40. Change in Marital Status by Post-Injury Year

Change in Marital Status n (%)	Post-Injury Year											
	1	5	10	15	20	25	30	35	40	45	50	Total
No Change	12,029 (92.3)	7,526 (85.2)	5,597 (84.6)	4,293 (83.8)	3,735 (84.8)	3,364 (84.0)	2,716 (83.8)	1,943 (85.4)	1,131 (87.7)	328 (88.2)	12 (100.0)	42,674
Divorce	253 (1.9)	469 (5.3)	293 (4.4)	221 (4.3)	190 (4.3)	159 (4.0)	137 (4.2)	78 (3.4)	36 (2.8)	6 (1.6)	0 (0.0)	1,842
Marriage	233 (1.8)	350 (4.0)	357 (5.4)	268 (5.2)	237 (5.4)	225 (5.6)	166 (5.1)	102 (4.5)	40 (3.1)	7 (1.9)	0 (0.0)	1,985
Widowed	55 (0.4)	75 (0.8)	56 (0.8)	44 (0.9)	34 (0.8)	49 (1.2)	39 (1.2)	32 (1.4)	21 (1.6)	10 (2.7)	0 (0.0)	415
Divorce + Marriage	29 (0.2)	57 (0.6)	58 (0.9)	71 (1.4)	70 (1.6)	90 (2.2)	79 (2.4)	41 (1.8)	14 (1.1)	4 (1.1)	0 (0.0)	513
Widowed + Marriage	4 (0.0)	11 (0.1)	7 (0.1)	6 (0.1)	4 (0.1)	10 (0.2)	11 (0.3)	7 (0.3)	7 (0.5)	2 (0.5)	0 (0.0)	69
Divorce, Marriage + Widowed	6 (0.0)	4 (0.0)	2 (0.0)	3 (0.1)	4 (0.1)	4 (0.1)	8 (0.2)	2 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)	36
Significant other	183 (1.4)	158 (1.8)	115 (1.7)	105 (2.0)	52 (1.2)	41 (1.0)	47 (1.5)	40 (1.8)	20 (1.6)	10 (2.7)	0 (0.0)	771
Other	71 (0.5)	52 (0.6)	43 (0.7)	21 (0.4)	23 (0.5)	20 (0.5)	18 (0.6)	5 (0.2)	3 (0.2)	2 (0.5)	0 (0.0)	258
Unkn	173 (1.3)	136 (1.5)	86 (1.3)	90 (1.8)	57 (1.3)	42 (1.0)	19 (0.6)	26 (1.1)	14 (1.1)	3 (0.8)	0 (0.0)	646
Total	13,036	8,838	6,614	5,122	4,406	4,004	3,240	2,276	1,289	372	12	49,209

Footnote 1: Form IIs entered into the database since January 1, 2001.

Footnote 2: Significant other or partner was added in October 2011.

Table 41. Highest Level of Education at Time of Injury

	Education Level									
n (%)	8th Grade or Less	9th-11th Grade	High School or GED	Assoc	Bachs	Masters	Doctorate	Other	Unkn	Total
Total	2,886 (7.6)	7,964 (21.0)	18,549 (49.0)	1,412 (3.7)	3,238 (8.6)	976 (2.6)	516 (1.4)	362 (1.0)	1,963 (5.2)	37,866

Table 42. Highest Level of Education by Post-Injury Year

	Post-Injury Year											
Education Level n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
8th Grade or Less	1,779 (6.2)	768 (4.6)	392 (3.9)	191 (2.7)	129 (2.4)	85 (2.0)	76 (2.3)	52 (2.3)	25 (1.9)	4 (1.1)	1 (8.3)	3,502
9th through 11th Grade	5,422 (19.0)	2,083 (12.6)	1,104 (11.0)	672 (9.6)	500 (9.4)	339 (8.1)	214 (6.6)	124 (5.4)	58 (4.5)	10 (2.7)	0 (0.0)	10,526
High School/GED	14,974 (52.6)	9,045 (54.7)	5,004 (49.7)	3,352 (48.0)	2,411 (45.5)	1,884 (45.2)	1,392 (43.0)	896 (39.4)	453 (35.1)	114 (30.6)	2 (16.7)	39,527
Associate Degree	1,256 (4.4)	1,054 (6.4)	864 (8.6)	661 (9.5)	550 (10.4)	432 (10.4)	353 (10.9)	272 (12.0)	161 (12.5)	55 (14.8)	4 (33.3)	5,662
Bachelor's Degree	2,774 (9.7)	2,115 (12.8)	1,626 (16.2)	1,221 (17.5)	982 (18.5)	848 (20.3)	719 (22.2)	542 (23.8)	338 (26.2)	97 (26.1)	3 (25.0)	11,265
Master's Degree	843 (3.0)	606 (3.7)	522 (5.2)	441 (6.3)	379 (7.2)	340 (8.2)	287 (8.9)	228 (10.0)	158 (12.3)	62 (16.7)	2 (16.7)	3,868
Doctorate Degree	424 (1.5)	276 (1.7)	202 (2.0)	162 (2.3)	138 (2.6)	116 (2.8)	112 (3.5)	92 (4.0)	61 (4.7)	21 (5.6)	0 (0.0)	1,604
Other	318 (1.1)	221 (1.3)	179 (1.8)	129 (1.8)	109 (2.1)	65 (1.6)	48 (1.5)	38 (1.7)	13 (1.0)	4 (1.1)	0 (0.0)	1,124
Unkn	685 (2.4)	360 (2.2)	172 (1.7)	148 (2.1)	96 (1.8)	61 (1.5)	39 (1.2)	32 (1.4)	22 (1.7)	5 (1.3)	0 (0.0)	1,620
Total	28,475	16,528	10,065	6,977	5,294	4,170	3,240	2,276	1,289	372	12	78,698

Table 43. Occupational Status at Time of Injury

	Occupational Status at Injury									
n (%)	Work	Home maker	OJT	Work shop	Retired	Student	Unemployed	Other	Unkn	Total
Total	22,220 (58.7)	653 (1.7)	91 (0.2)	21 (0.1)	3,168 (8.4)	5,096 (13.5)	5,613 (14.8)	550 (1.5)	454 (1.2)	37,866

Footnote 1: OJT = on the job training.

Table 44. Occupational Status by Post-Injury Year

	Post-Injury Year											
Occupational Status n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
Work	3,709 (13.0)	3,487 (21.1)	2,682 (26.6)	2,099 (30.1)	1,696 (32.0)	1,391 (33.4)	1,016 (31.4)	688 (30.2)	337 (26.1)	87 (23.4)	2 (16.7)	17,194
Homemaker	428 (1.5)	299 (1.8)	209 (2.1)	153 (2.2)	95 (1.8)	80 (1.9)	78 (2.4)	46 (2.0)	23 (1.8)	5 (1.3)	0 (0.0)	1,416
OJT	33 (0.1)	20 (0.1)	8 (0.1)	6 (0.1)	8 (0.2)	2 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.3)	0 (0.0)	78
Workshop	14 (0.0)	6 (0.0)	8 (0.1)	2 (0.0)	1 (0.0)	3 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	34
Retired	2,599 (9.1)	1,864 (11.3)	1,276 (12.7)	924 (13.2)	676 (12.8)	594 (14.2)	651 (20.1)	695 (30.5)	594 (46.1)	230 (61.8)	8 (66.7)	10,111
Student	3,869 (13.6)	2,162 (13.1)	564 (5.6)	192 (2.8)	103 (1.9)	48 (1.2)	17 (0.5)	12 (0.5)	1 (0.1)	0 (0.0)	0 (0.0)	6,968
Unemployed	15,012 (52.7)	7,364 (44.6)	4,511 (44.8)	2,965 (42.5)	2,247 (42.4)	1,644 (39.4)	1,140 (35.2)	679 (29.8)	259 (20.1)	28 (7.5)	2 (16.7)	35,851
Other	2,068 (7.3)	938 (5.7)	600 (6.0)	476 (6.8)	376 (7.1)	346 (8.3)	301 (9.3)	127 (5.6)	53 (4.1)	15 (4.0)	0 (0.0)	5,300
Unkn	743 (2.6)	388 (2.3)	207 (2.1)	160 (2.3)	92 (1.7)	62 (1.5)	37 (1.1)	29 (1.3)	22 (1.7)	6 (1.6)	0 (0.0)	1,746
Total	28,475 (36.2)	16,528 (21.0)	10,065 (12.8)	6,977 (8.9)	5,294 (6.7)	4,170 (5.3)	3,240 (4.1)	2,276 (2.9)	1,289 (1.6)	372 (0.5)	12 (0.0)	78,698

Footnote 1: 'Other' denotes all Systems that are not funded for the 2021-2026 funding cycle.

Footnote 2: OJT = on the job training.

Table 45. The Number of Weeks Employed in the Last 12 Months by Post-Injury Year

	Post Injury Year										
mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	26.7 (993)	35.0 (992)	36.2 (776)	39.6 (635)	38.5 (497)	40.3 (406)	43.0 (293)	42.5 (346)	40.6 (314)	36.6 (113)	52.0 (2)

Footnote 1: Form IIs entered to the database since January 1, 2017.

Footnote 2: Work includes civilian work for pay or work without pay on a family-operated farm or business, valid range 1 to 52 weeks.

Table 46. Job Census Code at Time of Injury

(Continued)

	Job Census Code								
n (%)	Management Occupations	Business and Financial Operations Occupations	Computer and Mathematical Occupations	Architecture and Engineering Occupations	Life, Physical, and Social Science Occupations	Community and Social Service Occupations	Legal Occupations	Educational Instruction and Library Occupations	Arts, Design, Entertainment, Sports, and Media Occupations
Total	173 (1.0)	52 (0.3)	19 (0.1)	40 (0.2)	4 (0.0)	19 (0.1)	18 (0.1)	30 (0.2)	34 (0.2)

(Continued)

	Job Census Code								
n (%)	Healthcare Practitioners and Technical Occupations	Healthcare Support Occupations	Protective Service Occupations	Food Preparation and Serving Related Occupations	Building and Grounds Cleaning and Maintenance Occupations	Personal Care and Service Occupations	Sales and Related Occupations	Office and Administrative Support Occupations	Farming, Fishing, and Forestry Occupations
Total	203 (1.2)	34 (0.2)	47 (0.3)	69 (0.4)	61 (0.4)	25 (0.1)	636 (3.7)	516 (3.0)	299 (1.7)

(Continued on next page)

	Job Census Code								
n (%)	Construction and Extraction Occupations	Installation, Maintenance, and Repair Occupations	Production Occupations	Transportation and Material Moving Occupations	Military Specific Occupations	Management, Business, Financial Occupations	Computer, Engineer, Science Occupations	Education, Legal, Communication Services, Arts/Media Occupations	Services Occupations
Total	521 (3.0)	627 (3.6)	191 (1.1)	834 (4.8)	53 (0.3)	1,032 (5.9)	118 (0.7)	168 (1.0)	1,250 (7.2)

Footnote 1: Form Is entered to the database since January 1, 2001.

Footnote 2: In September 2021, coding was updated to the 2018 Standard Occupational Classification; some categories were not convertible.

Footnote 3: 4 records excluded with invalid codes

Table 46. Job Census Code at Time of Injury

	Job Census Code						
n (%)	Professional Specialty, not valid after 10/1/2016	Technicians and related support, not valid after 10/1/2016	Precision production, craft, and repair, not valid after 10/1/2016	Handlers, equip cleaners, helpers/laborers, not valid after 10/1/2016	Not working	Unknown	Total
Total	984 (5.7)	338 (1.9)	1,289 (7.4)	680 (3.9)	6,564 (37.8)	434 (2.5)	17,362

Footnote 1: Form Is entered to the database since January 1, 2001.

Footnote 2: In September 2021, coding was updated to the 2018 Standard Occupational Classification; some categories were not convertible.

Footnote 3: 4 records excluded with invalid codes

Table 47. Job Census Code by Post-Injury Year*(Continued on next page)*

Job Census Code n (%)	Post-Injury Year											
	1	5	10	15	20	25	30	35	40	45	50	Total
Management Occupations	42 (0.3)	39 (0.4)	41 (0.6)	22 (0.4)	24 (0.5)	22 (0.5)	12 (0.4)	12 (0.5)	16 (1.2)	11 (3.0)	1 (8.3)	242
Business and Financial Operations Occupations	20 (0.2)	19 (0.2)	15 (0.2)	10 (0.2)	10 (0.2)	7 (0.2)	8 (0.2)	6 (0.3)	6 (0.5)	7 (1.9)	0 (0.0)	108
Computer and Mathematical Occupations	10 (0.1)	8 (0.1)	12 (0.2)	2 (0.0)	8 (0.2)	7 (0.2)	6 (0.2)	4 (0.2)	5 (0.4)	1 (0.3)	0 (0.0)	63
Architecture and Engineering Occupations	12 (0.1)	10 (0.1)	7 (0.1)	3 (0.1)	9 (0.2)	1 (0.0)	2 (0.1)	3 (0.1)	5 (0.4)	1 (0.3)	0 (0.0)	53
Life, Physical, and Social Science Occupations	2 (0.0)	3 (0.0)	6 (0.1)	2 (0.0)	5 (0.1)	0 (0.0)	1 (0.0)	0 (0.0)	2 (0.2)	0 (0.0)	0 (0.0)	21
Community and Social Service Occupations	3 (0.0)	7 (0.1)	7 (0.1)	6 (0.1)	5 (0.1)	3 (0.1)	7 (0.2)	8 (0.4)	7 (0.5)	3 (0.8)	1 (8.3)	57
Legal Occupations	7 (0.1)	7 (0.1)	1 (0.0)	4 (0.1)	3 (0.1)	1 (0.0)	1 (0.0)	2 (0.1)	3 (0.2)	4 (1.1)	0 (0.0)	33
Educational Instruction and Library Occupations	10 (0.1)	8 (0.1)	13 (0.2)	6 (0.1)	8 (0.2)	2 (0.0)	9 (0.3)	1 (0.0)	6 (0.5)	3 (0.8)	0 (0.0)	66
Arts, Design, Entertainment, Sports, and Media Occupations	6 (0.0)	10 (0.1)	7 (0.1)	6 (0.1)	4 (0.1)	5 (0.1)	3 (0.1)	1 (0.0)	4 (0.3)	2 (0.5)	0 (0.0)	48
Healthcare Practitioners and Technical Occupations	42 (0.3)	62 (0.7)	41 (0.6)	38 (0.7)	18 (0.4)	17 (0.4)	13 (0.4)	12 (0.5)	6 (0.5)	3 (0.8)	0 (0.0)	252
Healthcare Support Occupations	6 (0.0)	5 (0.1)	3 (0.0)	3 (0.1)	2 (0.0)	3 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	22
Protective Service Occupations	4 (0.0)	4 (0.0)	5 (0.1)	1 (0.0)	0 (0.0)	0 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	2 (0.5)	0 (0.0)	17
Food Preparation and Serving Related Occupations	6 (0.0)	4 (0.0)	2 (0.0)	1 (0.0)	3 (0.1)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.3)	0 (0.0)	18
Building and Grounds Cleaning and Maintenance Occupations	3 (0.0)	6 (0.1)	2 (0.0)	1 (0.0)	2 (0.0)	3 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	17
Personal Care and Service Occupations	1 (0.0)	4 (0.0)	2 (0.0)	7 (0.1)	4 (0.1)	0 (0.0)	1 (0.0)	2 (0.1)	0 (0.0)	1 (0.3)	0 (0.0)	22
Sales and Related Occupations	167 (1.3)	209 (2.4)	180 (2.7)	127 (2.5)	103 (2.3)	101 (2.5)	69 (2.1)	39 (1.7)	17 (1.3)	5 (1.3)	0 (0.0)	1,017
Office and Administrative Support Occupations	151 (1.2)	200 (2.3)	172 (2.6)	177 (3.5)	140 (3.2)	156 (3.9)	98 (3.0)	53 (2.3)	25 (1.9)	3 (0.8)	0 (0.0)	1,175
Farming, Fishing, and Forestry Occupations	42 (0.3)	35 (0.4)	26 (0.4)	21 (0.4)	15 (0.3)	21 (0.5)	17 (0.5)	7 (0.3)	5 (0.4)	3 (0.8)	0 (0.0)	192

Footnote 1: Form is entered to the database since January 1, 2001.

Table 47. Job Census Code by Post-Injury Year

	Post-Injury Year											
Job Census Code n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
Construction and Extraction Occupations	28 (0.2)	21 (0.2)	16 (0.2)	11 (0.2)	8 (0.2)	8 (0.2)	5 (0.2)	6 (0.3)	4 (0.3)	1 (0.3)	0 (0.0)	108
Installation, Maintenance, and Repair Occupations	43 (0.3)	44 (0.5)	33 (0.5)	24 (0.5)	30 (0.7)	11 (0.3)	9 (0.3)	10 (0.4)	4 (0.3)	3 (0.8)	0 (0.0)	211
Production Occupations	17 (0.1)	16 (0.2)	12 (0.2)	8 (0.2)	6 (0.1)	3 (0.1)	3 (0.1)	5 (0.2)	3 (0.2)	0 (0.0)	0 (0.0)	73
Transportation and Material Moving Occupations	41 (0.3)	37 (0.4)	32 (0.5)	22 (0.4)	21 (0.5)	19 (0.5)	17 (0.5)	6 (0.3)	10 (0.8)	4 (1.1)	0 (0.0)	209
Military Specific Occupations	7 (0.1)	5 (0.1)	1 (0.0)	1 (0.0)	0 (0.0)	2 (0.0)	2 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	18
Management, Business, Financial Occupations *	462 (3.5)	380 (4.3)	326 (4.9)	302 (5.9)	320 (7.3)	297 (7.4)	246 (7.6)	190 (8.4)	93 (7.2)	17 (4.6)	0 (0.0)	2,633
Computer, Engineer, Science Occupations *	76 (0.6)	58 (0.7)	39 (0.6)	50 (1.0)	32 (0.7)	30 (0.7)	29 (0.9)	48 (2.1)	25 (1.9)	4 (1.1)	0 (0.0)	391
Education, Legal, Communication Services, Arts/Media Occupations*	69 (0.5)	65 (0.7)	49 (0.7)	51 (1.0)	41 (0.9)	45 (1.1)	26 (0.8)	44 (1.9)	33 (2.6)	5 (1.3)	0 (0.0)	428
Services Occupations *	142 (1.1)	137 (1.6)	94 (1.4)	75 (1.5)	71 (1.6)	55 (1.4)	30 (0.9)	18 (0.8)	12 (0.9)	2 (0.5)	0 (0.0)	636
Professional Specialty *	367 (2.8)	316 (3.6)	352 (5.3)	322 (6.3)	347 (7.9)	369 (9.2)	297 (9.2)	164 (7.2)	32 (2.5)	0 (0.0)	0 (0.0)	2,566
Technicians and related support *	70 (0.5)	75 (0.8)	72 (1.1)	57 (1.1)	54 (1.2)	60 (1.5)	46 (1.4)	24 (1.1)	2 (0.2)	0 (0.0)	0 (0.0)	460
Precision production, craft, and repair *	75 (0.6)	67 (0.8)	67 (1.0)	56 (1.1)	36 (0.8)	40 (1.0)	29 (0.9)	13 (0.6)	3 (0.2)	0 (0.0)	0 (0.0)	386
Handlers, equip cleaners, helpers/laborers *	27 (0.2)	22 (0.2)	19 (0.3)	14 (0.3)	6 (0.1)	12 (0.3)	10 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	110
Not working	10,689 (82.0)	6,699 (75.8)	4,777 (72.2)	3,501 (68.4)	2,945 (66.9)	2,610 (65.2)	2,187 (67.5)	1,559 (68.5)	930 (72.1)	278 (74.7)	10 (83.3)	36,185
Unknown	387 (3.0)	253 (2.9)	181 (2.7)	186 (3.6)	124 (2.8)	91 (2.3)	55 (1.7)	38 (1.7)	31 (2.4)	7 (1.9)	0 (0.0)	1,353
Total	13,034 (26.5)	8,835 (18.0)	6,612 (13.4)	5,121 (10.4)	4,405 (9.0)	4,003 (8.1)	3,239 (6.6)	2,275 (4.6)	1,289 (2.6)	372 (0.8)	12 (0.0)	49,197

Footnote 1: Form Is entered to the database since January 1, 2001.

Footnote 2: In September 2021, coding was updated to the 2018 Standard Occupational Classification; some categories were not convertible (*)

Table 48. Veteran Status at Time of Injury

	Veteran Status			
n (%)	No	Yes	Unkn	Total
Total	15,759 (90.7)	1,378 (7.9)	230 (1.3)	17,367

Footnote 1: Form Is entered to the database since January 1, 2001.

Table 49. VA Healthcare System Services used by Post-Injury Year

	Post-Injury Year											
VA Healthcare Services Used n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
No services, but participant is a Veteran	1,367 (10.5)	597 (6.8)	488 (7.4)	367 (7.2)	303 (6.9)	309 (7.7)	250 (7.7)	137 (6.0)	54 (4.2)	18 (4.8)	0 (0.0)	3,890
Yes	536 (4.1)	385 (4.4)	274 (4.1)	185 (3.6)	169 (3.8)	161 (4.0)	152 (4.7)	101 (4.4)	70 (5.4)	16 (4.3)	0 (0.0)	2,049
N/A, Not a Veteran	10,876 (83.3)	7,642 (86.5)	5,706 (86.3)	4,458 (87.0)	3,845 (87.2)	3,469 (86.6)	2,803 (86.5)	2,001 (87.9)	1,142 (88.6)	332 (89.2)	12 (100.0)	42,286
Unkn	276 (2.1)	214 (2.4)	147 (2.2)	114 (2.2)	90 (2.0)	65 (1.6)	35 (1.1)	37 (1.6)	23 (1.8)	6 (1.6)	0 (0.0)	1,007
Total	13,055 (26.5)	8,838 (18.0)	6,615 (13.4)	5,124 (10.4)	4,407 (9.0)	4,004 (8.1)	3,240 (6.6)	2,276 (4.6)	1,289 (2.6)	372 (0.8)	12 (0.0)	49,232

Footnote 1: Form IIs entered into the database since October 31, 2000.

Table 50. Primary Payer of Medical Costs during Initial Hospital Stay

n (%)	Primary Payer									
	Private Insurance	Medicare	Medicaid	Worker's Compensation	Vet Admin	Other Government	No Pay	Private funds	Other	Total
Total	12,369 (49.8)	2,325 (9.4)	6,617 (26.6)	1,631 (6.6)	79 (0.3)	300 (1.2)	895 (3.6)	386 (1.6)	252 (1.0)	24,854

Footnote 1: This variable was not collected between 2006 and 2011. Exclude 13,012 records coded as unknown/decline

Table 51. Primary Payer of Medical Costs by Post-Injury Year

Primary Payer n (%)	Post-Injury Year											
	1	5	10	15	20	25	30	35	40	45	50	Total
Private Insurance	8,246 (43.9)	3,799 (31.9)	2,381 (30.0)	1,815 (31.3)	1,432 (31.7)	997 (31.8)	711 (31.5)	640 (32.4)	404 (31.9)	99 (27.1)	5 (41.7)	20,529
Medicare	1,867 (9.9)	3,864 (32.4)	3,084 (38.9)	2,364 (40.7)	1,919 (42.5)	1,340 (42.8)	1,029 (45.6)	969 (49.0)	683 (53.9)	229 (62.7)	6 (50.0)	17,354
Medicaid	6,062 (32.2)	2,929 (24.6)	1,639 (20.6)	977 (16.8)	677 (15.0)	456 (14.6)	315 (14.0)	198 (10.0)	92 (7.3)	14 (3.8)	0 (0.0)	13,359
Worker's Compensation	1,337 (7.1)	719 (6.0)	466 (5.9)	346 (6.0)	270 (6.0)	172 (5.5)	106 (4.7)	90 (4.6)	48 (3.8)	10 (2.7)	1 (8.3)	3,565
Veterans Administration	188 (1.0)	144 (1.2)	114 (1.4)	90 (1.6)	69 (1.5)	52 (1.7)	47 (2.1)	36 (1.8)	19 (1.5)	8 (2.2)	0 (0.0)	767
Other Government	334 (1.8)	124 (1.0)	41 (0.5)	40 (0.7)	24 (0.5)	16 (0.5)	9 (0.4)	9 (0.5)	3 (0.2)	1 (0.3)	0 (0.0)	601
No Pay	267 (1.4)	64 (0.5)	40 (0.5)	41 (0.7)	34 (0.8)	20 (0.6)	17 (0.8)	9 (0.5)	10 (0.8)	1 (0.3)	0 (0.0)	503
Private funds	362 (1.9)	230 (1.9)	127 (1.6)	98 (1.7)	64 (1.4)	63 (2.0)	16 (0.7)	19 (1.0)	5 (0.4)	1 (0.3)	0 (0.0)	985
Other	137 (0.7)	50 (0.4)	46 (0.6)	33 (0.6)	22 (0.5)	15 (0.5)	8 (0.4)	8 (0.4)	3 (0.2)	2 (0.5)	0 (0.0)	324
Total	18,800	11,923	7,938	5,804	4,511	3,131	2,258	1,978	1,267	365	12	57,987

Footnote 1: This variable was not collected between 2006 and 2011. Exclude 39,533 records coded as "unknown/decline".

Table 52. Family Household Income Level at Time of Injury

	Family Household Income							
n (%)	<\$25,000	\$25,000- \$49,999	\$50,000- \$74,999	\$75,000 or more	Participant doesn't know	Declined	Unkn	Total
Total	1,952 (20.9)	1,816 (19.4)	1,306 (14.0)	2,349 (25.1)	934 (10.0)	700 (7.5)	292 (3.1)	9,349

Footnote 1: Data was required for all Admissions to System since October 1, 2011.

Table 53. Family Household Income by Post-Injury Year

	Post-Injury Year											
Family Household Income n (%)	1	5	10	15	20	25	30	35	40	45	50	Total
<\$25,000	3,813 (38.3)	2,872 (40.1)	2,146 (39.6)	1,782 (39.2)	1,624 (41.0)	1,159 (39.7)	821 (37.4)	633 (32.1)	335 (26.7)	68 (18.9)	1 (8.3)	15,254
\$25,000-\$49,999	1,977 (19.8)	1,390 (19.4)	1,176 (21.7)	979 (21.5)	797 (20.1)	559 (19.1)	412 (18.8)	423 (21.4)	269 (21.5)	85 (23.6)	2 (16.7)	8,069
\$50,000-\$74,999	1,168 (11.7)	794 (11.1)	633 (11.7)	561 (12.3)	462 (11.7)	371 (12.7)	260 (11.9)	235 (11.9)	182 (14.5)	49 (13.6)	2 (16.7)	4,717
\$75,000 or more	1,809 (18.2)	1,314 (18.3)	937 (17.3)	846 (18.6)	793 (20.0)	624 (21.3)	523 (23.8)	504 (25.5)	340 (27.1)	114 (31.7)	5 (41.7)	7,809
Participant doesn't know	754 (7.6)	414 (5.8)	227 (4.2)	175 (3.8)	88 (2.2)	71 (2.4)	44 (2.0)	44 (2.2)	27 (2.2)	13 (3.6)	0 (0.0)	1,857
Declined	442 (4.4)	378 (5.3)	306 (5.6)	208 (4.6)	197 (5.0)	139 (4.8)	134 (6.1)	136 (6.9)	101 (8.1)	31 (8.6)	2 (16.7)	2,074
Total	9,963	7,162	5,425	4,551	3,961	2,923	2,194	1,975	1,254	360	12	39,780

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: This variable was not collected between 2006 and 2011. Exclude 16,768 unknown records.

Footnote 3: Participant doesn't know/Declined was added in October 2011.

Table 54. Vertebral Injury

	Vertebral Injury			
n (%)	No	Yes	Unkn	Total
Total	2,691 (20.7)	10,279 (79.0)	43 (0.3)	13,013

Footnote 1: Data were required for all Admissions to System since October 1, 2006.

Table 55. Associated Injury

	Associated Injury			
n (%)	No	Yes	Unkn	Total
Total	8,188 (62.9)	4,757 (36.6)	68 (0.5)	13,013

Footnote 1: Data were required for all Admissions to System since October 1, 2006.

Table 56. Spinal Surgery

	Spinal Surgery			
n (%)	No	Yes	Unkn	Total
Total	2,463 (18.9)	10,505 (80.7)	45 (0.3)	13,013

Footnote 1: Data were required for all Admissions to System since October 1, 2006.

Table 57. Place of Residence at Time of Injury

	Residence at Time of Injury										
n (%)	Private	Hospital	Nursing Home	Group Living	Correction Institute	Hotel Motel	Other	Homeless	Assisted Living	Unkn	Total
Total	20,207 (97.9)	65 (0.3)	44 (0.2)	117 (0.6)	12 (0.1)	34 (0.2)	14 (0.1)	105 (0.5)	8 (0.0)	35 (0.2)	20,641

Footnote 1: Data required for all admissions to system since December 1, 1995.

Footnote 2: 'Assisted Living' was added in October 2011.

Table 58. Place of Residence at Discharge

	Place of Residence at Discharge											
n (%)	Private	Hospital	Nursing Home	Group Living	Correction Institute	Hotel Motel	Deceased	Other	Homeless	Assisted Living	Unkn	Total
Total	33,093 (87.4)	619 (1.6)	2,634 (7.0)	421 (1.1)	51 (0.1)	106 (0.3)	712 (1.9)	33 (0.1)	19 (0.1)	58 (0.2)	120 (0.3)	37,866

Footnote 1: 'Assisted Living' was added in October 2011.

Table 59. Place of Residence by Post-Injury Year

Residence n (%)	Post-Injury Year											
	1	5	10	15	20	25	30	35	40	45	50	Total
Private Residence	26,062 (91.5)	15,442 (93.4)	9,583 (95.2)	6,679 (95.7)	5,086 (96.1)	4,025 (96.5)	3,128 (96.5)	2,206 (96.9)	1,239 (96.1)	354 (95.2)	12 (100.0)	73,816
Hospital	132 (0.5)	28 (0.2)	8 (0.1)	7 (0.1)	2 (0.0)	5 (0.1)	1 (0.0)	2 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	185
Nursing Home	1,112 (3.9)	495 (3.0)	265 (2.6)	143 (2.0)	102 (1.9)	61 (1.5)	58 (1.8)	31 (1.4)	18 (1.4)	6 (1.6)	0 (0.0)	2,291
Group Living Situation	332 (1.2)	194 (1.2)	51 (0.5)	27 (0.4)	15 (0.3)	11 (0.3)	6 (0.2)	3 (0.1)	1 (0.1)	1 (0.3)	0 (0.0)	641
Correctional Institution	34 (0.1)	17 (0.1)	9 (0.1)	6 (0.1)	4 (0.1)	2 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	72
Hotel/Motel	64 (0.2)	9 (0.1)	6 (0.1)	2 (0.0)	5 (0.1)	0 (0.0)	2 (0.1)	3 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	91
Homeless	25 (0.1)	11 (0.1)	5 (0.0)	5 (0.1)	2 (0.0)	2 (0.0)	1 (0.0)	2 (0.1)	4 (0.3)	1 (0.3)	0 (0.0)	58
Assisted Living	76 (0.3)	52 (0.3)	19 (0.2)	19 (0.3)	13 (0.2)	11 (0.3)	13 (0.4)	8 (0.4)	8 (0.6)	5 (1.3)	0 (0.0)	224
Other	50 (0.2)	14 (0.1)	9 (0.1)	9 (0.1)	7 (0.1)	5 (0.1)	4 (0.1)	8 (0.4)	8 (0.6)	2 (0.5)	0 (0.0)	116
Unkn	588 (2.1)	266 (1.6)	110 (1.1)	80 (1.1)	58 (1.1)	48 (1.2)	27 (0.8)	13 (0.6)	11 (0.9)	3 (0.8)	0 (0.0)	1,204
Total	28,475	16,528	10,065	6,977	5,294	4,170	3,240	2,276	1,289	372	12	78,698

Footnote 1: Assisted Living was added in October 2011.

Table 60. Median Days from Injury to Admission by Year of Injury

	Year of Injury										
median (n)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Total	20.0 (4,563)	15.0 (4,949)	2.0 (3,843)	1.0 (3,294)	1.0 (3,623)	5.0 (3,443)	8.0 (3,605)	8.0 (3,650)	9.0 (3,703)	11.0 (3,193)	8.0 (37,866)

Footnote 1: Eligibility criteria changed in 1987 & 2000.

Footnote 2: September 2021: Trend data for 2010-2014 & 2015-2020 was updated.

Table 61. Median Days Hospitalized in the System's Acute Care Unit by Year of Injury (Day-1s Only)

	Year of Injury										
median (n)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Total	24.0 (1,224)	23.0 (1,627)	19.0 (1,747)	15.0 (1,877)	13.0 (1,900)	13.0 (1,577)	12.0 (1,351)	11.0 (1,283)	11.0 (1,197)	13.0 (818)	15.0 (14,601)

Footnote 1: In 1995, variable 'Length of Stay' was separated.

Table 62. Median Days Hospitalized in the System's Acute Care Unit by Year of Injury and Neurologic Category (Day-1s Only)

Neurologic Category median (n)	Year of Injury										Total
	1972- 1979	1980- 1984	1985- 1989	1990- 1994	1995- 1999	2000- 2004	2005- 2009	2010- 2014	2015- 2019	2020- 2024	
Tetraplegia, complete	27.0 (313)	30.0 (348)	24.0 (315)	26.0 (323)	24.0 (313)	24.5 (264)	23.0 (176)	19.0 (137)	21.0 (117)	27.0 (64)	25.0 (2,370)
Tetraplegia, incomplete	24.0 (323)	22.0 (509)	18.0 (542)	15.0 (483)	10.0 (545)	11.0 (482)	10.0 (487)	10.0 (533)	10.0 (514)	12.0 (324)	13.0 (4,742)
Tetraplegia, minimal deficit	23.0 (3)	11.0 (5)	11.5 (42)	9.0 (76)	7.0 (59)	8.0 (37)	8.0 (12)	8.5 (12)	7.5 (4)	8.5 (4)	9.0 (254)
Paraplegia, complete	23.0 (327)	22.0 (402)	19.0 (408)	16.0 (513)	13.0 (482)	15.0 (354)	14.0 (287)	13.0 (241)	14.0 (191)	14.0 (130)	16.0 (3,335)
Paraplegia, incomplete	21.5 (218)	22.0 (325)	18.0 (381)	13.0 (378)	12.0 (363)	11.0 (271)	10.0 (291)	10.5 (286)	10.0 (230)	12.0 (156)	13.0 (2,899)
Paraplegia, minimal deficit	0.0 (0)	10.0 (7)	13.0 (29)	10.0 (71)	12.0 (39)	10.5 (26)	11.0 (12)	10.0 (9)	6.0 (2)	10.5 (4)	11.0 (199)
Normal, minimal deficit	19.0 (36)	18.0 (24)	12.0 (13)	10.0 (8)	10.0 (8)	9.0 (18)	13.0 (6)	9.0 (7)	6.0 (14)	8.5 (4)	12.5 (138)
Unkn	16.0 (4)	23.0 (7)	24.0 (17)	18.0 (25)	18.0 (91)	16.0 (125)	12.0 (80)	11.0 (58)	13.0 (125)	14.0 (132)	14.0 (664)
Total	24.0 (1,224)	23.0 (1,627)	19.0 (1,747)	15.0 (1,877)	13.0 (1,900)	13.0 (1,577)	12.0 (1,351)	11.0 (1,283)	11.0 (1,197)	13.0 (818)	15.0 (14,601)

Footnote1: Para & Tetra minimal deficit categories were added in 1987. Some records have been updated.

Footnote2: Neurologic impairment at discharge was used as the basis of comparison.

Table 63. Median Days Hospitalized in the System's Rehab Unit by Year of Injury (Day-1s Only)

	Year of Injury										
median (n)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Total	98.0 (1,198)	86.0 (1,646)	73.0 (1,743)	58.0 (1,842)	44.0 (1,903)	42.0 (1,449)	38.0 (1,325)	35.0 (1,327)	31.0 (1,254)	30.0 (925)	50.0 (14,612)

Table 64. Median Days Hospitalized in the System's Rehab Unit by Year of Injury (All Rehab Admissions)

	Year of Injury										
median (n)	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Total	91.0 (4,420)	86.0 (4,812)	77.0 (3,723)	59.0 (3,158)	45.0 (3,553)	46.0 (3,228)	44.0 (3,473)	44.0 (3,613)	42.0 (3,655)	39.0 (3,129)	56.0 (36,764)

Table 65. Median Days Hospitalized in the System's Rehab Unit by Year of Injury and Neurologic Category (Day-1s Only)

Neurologic Category median (n)	Year of Injury										
	1972- 1979	1980- 1984	1985- 1989	1990- 1994	1995- 1999	2000- 2004	2005- 2009	2010- 2014	2015- 2019	2020- 2024	Total
Tetraplegia, complete	142.0 (293)	121.0 (349)	111.0 (289)	99.0 (309)	71.0 (327)	65.5 (244)	62.0 (165)	51.0 (139)	49.0 (120)	37.0 (69)	92.0 (2,304)
Tetraplegia, incomplete	104.0 (333)	95.0 (526)	85.0 (549)	75.0 (465)	51.0 (544)	44.0 (471)	36.0 (489)	36.0 (549)	33.0 (540)	33.0 (364)	50.0 (4,830)
Tetraplegia, minimal deficit	0.0 (0)	41.0 (5)	22.0 (41)	25.5 (78)	14.0 (59)	23.0 (29)	17.0 (8)	13.0 (14)	9.0 (3)	14.0 (3)	22.0 (240)
Paraplegia, complete	84.0 (347)	72.5 (424)	63.0 (429)	52.0 (523)	39.0 (492)	42.0 (338)	40.0 (293)	35.0 (249)	34.0 (204)	29.0 (150)	50.0 (3,449)
Paraplegia, incomplete	68.0 (218)	63.0 (322)	57.0 (394)	43.0 (378)	31.0 (364)	30.0 (267)	29.0 (296)	30.0 (291)	26.0 (239)	27.0 (179)	37.5 (2,948)
Paraplegia, minimal deficit	0.0 (0)	19.0 (7)	33.0 (28)	27.0 (66)	19.0 (41)	19.0 (23)	14.0 (12)	11.5 (8)	17.0 (1)	23.5 (4)	21.0 (190)
Normal, minimal deficit	38.5 (6)	43.0 (9)	10.0 (5)	12.5 (8)	10.0 (9)	15.0 (11)	19.0 (3)	8.5 (8)	11.5 (14)	18.0 (4)	14.0 (77)
Unkn	132.0 (1)	88.0 (4)	115.0 (8)	36.0 (15)	31.0 (67)	35.5 (66)	44.0 (59)	31.0 (69)	30.0 (133)	28.0 (152)	31.0 (574)
Total	98.0 (1,198)	86.0 (1,646)	73.0 (1,743)	58.0 (1,842)	44.0 (1,903)	42.0 (1,449)	38.0 (1,325)	35.0 (1,327)	31.0 (1,254)	30.0 (925)	50.0 (14,612)

Footnote1: Para & Tetra minimal deficit categories were added in 1987. Some records have been updated.

Footnote2: Neurologic impairment at discharge was used as the basis of comparison.

Table 66. Median Days Hospitalized in the System's Rehab Unit by Year of Injury and Neurologic Category (All Rehab Admissions)

Neurologic Category median (n)	Year of Injury										Total
	1972- 1979	1980- 1984	1985- 1989	1990- 1994	1995- 1999	2000- 2004	2005- 2009	2010- 2014	2015- 2019	2020- 2024	
Tetraplegia, complete	122.0 (1,097)	114.0 (1,038)	113.0 (683)	98.0 (578)	73.0 (671)	66.0 (609)	64.0 (541)	68.0 (465)	59.0 (404)	52.0 (319)	91.0 (6,405)
Tetraplegia, incomplete	96.0 (1,261)	94.0 (1,571)	87.0 (1,170)	77.0 (792)	51.0 (1,003)	50.0 (1,071)	45.5 (1,252)	47.0 (1,478)	45.0 (1,531)	42.0 (1,277)	59.0 (12,406)
Tetraplegia, minimal deficit	7.0 (1)	57.5 (12)	29.0 (60)	28.0 (110)	19.0 (89)	23.5 (50)	26.0 (42)	16.0 (23)	18.0 (29)	20.0 (6)	24.0 (422)
Paraplegia, complete	80.5 (1,252)	71.0 (1,221)	64.0 (948)	52.0 (929)	39.0 (968)	44.0 (772)	42.0 (744)	42.0 (659)	42.0 (656)	37.0 (523)	53.0 (8,672)
Paraplegia, incomplete	68.0 (794)	63.0 (922)	57.0 (792)	44.0 (627)	32.0 (627)	34.0 (540)	34.0 (692)	35.0 (681)	34.0 (632)	35.0 (571)	43.0 (6,878)
Paraplegia, minimal deficit	0.0 (0)	19.0 (17)	33.5 (48)	28.0 (87)	19.5 (54)	17.0 (49)	21.0 (37)	14.5 (16)	24.0 (12)	15.0 (7)	22.0 (327)
Normal, minimal deficit	36.0 (11)	34.0 (17)	10.0 (7)	14.0 (11)	15.5 (18)	17.0 (17)	12.0 (9)	9.0 (13)	12.0 (19)	16.0 (9)	15.0 (131)
Unkn	100.0 (4)	89.5 (14)	67.0 (15)	30.0 (24)	37.0 (123)	38.5 (120)	47.5 (156)	36.5 (278)	37.5 (372)	32.0 (417)	36.0 (1,523)
Total	91.0 (4,420)	86.0 (4,812)	77.0 (3,723)	59.0 (3,158)	45.0 (3,553)	46.0 (3,228)	44.0 (3,473)	44.0 (3,613)	42.0 (3,655)	39.0 (3,129)	56.0 (36,764)

Footnote1: Para & Tetra minimal deficit categories were added in 1987. Some records have been updated.

Footnote2: Neurologic impairment at discharge was used as the basis of comparison.

Table 67. Neurologic Level of Injury at Discharge - Cervical Lesions

	Cervical Neurologic Level									
n (% of all lesions)	C01	C02	C03	C04	C05	C06	C07	C08	C Unkn	Sub-Total
Total	510 (1.4)	844 (2.4)	1,341 (3.8)	5,607 (15.9)	5,223 (14.8)	3,434 (9.7)	1,687 (4.8)	661 (1.9)	104 (0.3)	19,411 (55.1)

Footnote 1: The neurologic level of injury is the most rostral (highest) sensory and motor level, left and right at discharge.

Footnote 2: (%) are calculated on Total of all levels (Cervical, Thoracic, Lumbar, Sacral) for each center.

Table 68. Neurologic Level of Injury at Discharge - Thoracic Lesions

	Thoracic Neurologic Level													
n (% of all lesions)	T01	T02	T03	T04	T05	T06	T07	T08	T09	T10	T11	T12	T Unkn	Sub-Total
Total	552 (1.6)	450 (1.3)	752 (2.1)	1,366 (3.9)	920 (2.6)	967 (2.7)	724 (2.1)	906 (2.6)	706 (2.0)	1,496 (4.2)	1,269 (3.6)	2,065 (5.9)	36 (0.1)	12,209 (34.6)

Footnote 1: The neurologic level of injury is the most rostral (highest) sensory and motor level, left and right at discharge.

Footnote 2: (%) are calculated on Total of all levels (Cervical, Thoracic, Lumbar, Sacral) for each center.

Table 69. Neurologic Level of Injury at Discharge - Lumbar Lesions

	Lumbar Neurologic Level						
n (% of all lesions)	L01	L02	L03	L04	L05	L Unkn	Sub-Total
Total	1,624 (4.6)	913 (2.6)	584 (1.7)	266 (0.8)	112 (0.3)	10 (0.0)	3,509 (10.0)

Footnote 1: The neurologic level of injury is the most rostral (highest) sensory and motor level, left and right at discharge.

Footnote 2: (%) are calculated on Total of all levels (Cervical, Thoracic, Lumbar, Sacral) for each center.

Table 70. Neurologic Level of Injury at Discharge - Sacral Lesions

	Sacral Neurologic Level						
n (% of all lesions)	S01	S02	S03	S04	S05	S Unkn	Sub-Total
Total	56 (0.2)	35 (0.1)	7 (0.0)	12 (0.0)	10 (0.0)	1 (0.0)	121 (0.3)

Footnote 1: The neurologic level of injury is the most rostral (highest) sensory and motor level, left and right at discharge.

Footnote 2: (%) are calculated on Total of all levels (Cervical, Thoracic, Lumbar, Sacral) for each center.

Table 71. Neurologic Category at Discharge

	Neurologic Category at Discharge								
n (%)	Tetra Comp	Tetra Incomp	Tetra MinDef	Para Comp	Para Incomp	Para MinDef	Norm, MinDef	Unkn	Total
Total	6,696 (17.7)	12,674 (33.5)	452 (1.2)	8,790 (23.2)	6,985 (18.4)	345 (0.9)	208 (0.5)	1,716 (4.5)	37,866

Footnote 1: Paraplegia and tetraplegia minimal deficit categories were added in 1987. Some records have been updated.

Table 72. Neurologic Category at Discharge by Grouped Etiology

	Neurologic Category at Discharge								
Etiology n (%)	Tetra Comp	Tetra Incomp	Tetra MinDef	Para Comp	Para Incomp	Para MinDef	Norm, MinDef	Unkn	Total
Vehicular	3,070 (19.6)	5,296 (33.7)	195 (1.2)	3,742 (23.8)	2,575 (16.4)	115 (0.7)	85 (0.5)	614 (3.9)	15,692
Violence	952 (14.8)	837 (13.1)	37 (0.6)	2,642 (41.2)	1,570 (24.5)	80 (1.2)	11 (0.2)	284 (4.4)	6,413
Sports	1,257 (34.0)	1,786 (48.3)	42 (1.1)	219 (5.9)	260 (7.0)	16 (0.4)	20 (0.5)	100 (2.7)	3,700
Falls	1,084 (12.1)	3,955 (44.0)	154 (1.7)	1,468 (16.3)	1,609 (17.9)	100 (1.1)	73 (0.8)	543 (6.0)	8,986
Med/Surg	43 (3.9)	262 (23.6)	7 (0.6)	179 (16.1)	514 (46.2)	12 (1.1)	9 (0.8)	86 (7.7)	1,112
Other	278 (14.6)	507 (26.7)	17 (0.9)	535 (28.2)	450 (23.7)	22 (1.2)	10 (0.5)	79 (4.2)	1,898
Unkn	12 (18.5)	31 (47.7)	0 (0.0)	5 (7.7)	7 (10.8)	0 (0.0)	0 (0.0)	10 (15.4)	65
Total	6,696 (17.7)	12,674 (33.5)	452 (1.2)	8,790 (23.2)	6,985 (18.4)	345 (0.9)	208 (0.5)	1,716 (4.5)	37,866

Footnote 1: Paraplegia and tetraplegia minimal deficit categories were added in 1987. Some records have been updated.

Footnote 2: Vehicular=codes 1-9; Violence=codes 10-15; Sports=codes 20-29, 70-78;

Falls=code 30; Medical/surgical complication=code 50.

Table 73. Trend in Neurologic Category at Discharge by Year of Injury

Neurologic Category n (%)	Year of Injury										
	1972-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000-2004	2005-2009	2010-2014	2015-2019	2020-2024	Total
Tetraplegia, complete	1,155 (25.3)	1,085 (21.9)	729 (19.0)	623 (18.9)	684 (18.9)	642 (18.6)	573 (15.9)	470 (12.9)	414 (11.2)	321 (10.1)	6,696
Tetraplegia, incomplete	1,282 (28.1)	1,598 (32.3)	1,198 (31.2)	821 (24.9)	1,020 (28.2)	1,119 (32.5)	1,279 (35.5)	1,493 (40.9)	1,550 (41.9)	1,314 (41.2)	12,674
Tetraplegia, minimal deficit	4 (0.1)	13 (0.3)	62 (1.6)	115 (3.5)	89 (2.5)	61 (1.8)	48 (1.3)	23 (0.6)	30 (0.8)	7 (0.2)	452
Paraplegia, complete	1,265 (27.7)	1,231 (24.9)	960 (25.0)	946 (28.7)	972 (26.8)	800 (23.2)	758 (21.0)	666 (18.2)	662 (17.9)	530 (16.6)	8,790
Paraplegia, incomplete	804 (17.6)	948 (19.2)	802 (20.9)	640 (19.4)	636 (17.6)	551 (16.0)	702 (19.5)	684 (18.7)	639 (17.3)	579 (18.1)	6,985
Paraplegia, minimal deficit	0 (0.0)	19 (0.4)	50 (1.3)	95 (2.9)	54 (1.5)	52 (1.5)	38 (1.1)	17 (0.5)	13 (0.4)	7 (0.2)	345
Normal, minimal deficit	45 (1.0)	38 (0.8)	16 (0.4)	13 (0.4)	19 (0.5)	24 (0.7)	12 (0.3)	13 (0.4)	19 (0.5)	9 (0.3)	208
Unkn	8 (0.2)	17 (0.3)	26 (0.7)	41 (1.2)	149 (4.1)	194 (5.6)	195 (5.4)	284 (7.8)	376 (10.2)	426 (13.3)	1,716
Total	4,563	4,949	3,843	3,294	3,623	3,443	3,605	3,650	3,703	3,193	37,866

Footnote 1: Paraplegia and tetraplegia minimal deficit categories were added in 1987. Some records have been updated.

Table 74. Neurologic Category at 1 Year Post-Injury

n (%)	Neurologic Category								
	Tetra Comp	Tetra Incomp	Tetra MinDef	Para Comp	Para Incomp	Para MinDef	Norm, MinDef	Unkn	Total
Total	3,509 (12.3)	5,780 (20.3)	363 (1.3)	4,900 (17.2)	3,738 (13.1)	295 (1.0)	293 (1.0)	9,597 (33.7)	28,475

Footnote 1: Paraplegia and tetraplegia minimal deficit categories were added in 1987. Some records have been updated.

Table 75. ASIA Impairment Scale at Discharge

	ASIA Impairment Scale						
n (%)	Complete (A)	Sensory Only (B)	Non-functional Motor (C)	Functional Motor(D)	Recovered (E)	Unkn	Total
Total	15,486 (40.9)	4,040 (10.7)	4,793 (12.7)	11,253 (29.7)	208 (0.5)	2,086 (5.5)	37,866

Table 76. ASIA Impairment Scale at Acute Admission, Rehabilitation Admission, and System Discharge (Day-1s Only)

AIS n (%)	Acute Admit	Rehab Admit	System Discharge
Complete (A)	6,529 (42.6)	2,351 (16.0)	6,032 (39.3)
Sensory Incomplete (B)	1,781 (11.6)	726 (4.9)	1,491 (9.7)
Non-functional Motor (C)	2,098 (13.7)	1,123 (7.6)	1,824 (11.9)
Functional Motor (D)	2,864 (18.7)	1,877 (12.8)	4,981 (32.5)
Recovered (E)	0 (0.0)	3 (0.02)	142 (0.9)
Unknown	2,070 (13.5)	8,614 (58.6)	872 (5.7)
Total	15,342	14,694	15,342

Footnote 1: Rehabilitation admission data were required after October 31, 2000.

Table 77. ASIA Impairment Scale by Neurologic Level at Discharge - Cervical

AIS n (%)	Neurologic Level at Discharge									
	C01	C02	C03	C04	C05	C06	C07	C08	C Unkn	Total
Complete (A)	166 (32.5)	264 (31.3)	401 (29.9)	2,071 (36.9)	1,643 (31.5)	1,242 (36.2)	571 (33.8)	197 (29.8)	26 (25.0)	6,581 (33.9)
Sensory only (B)	15 (2.9)	50 (5.9)	100 (7.5)	709 (12.6)	658 (12.6)	583 (17.0)	270 (16.0)	114 (17.2)	9 (8.7)	2,508 (12.9)
Non-functional Motor (C)	71 (13.9)	111 (13.2)	231 (17.2)	884 (15.8)	660 (12.6)	440 (12.8)	212 (12.6)	76 (11.5)	10 (9.6)	2,695 (13.9)
Functional Motor (D)	257 (50.4)	407 (48.2)	588 (43.8)	1,887 (33.7)	2,199 (42.1)	1,138 (33.1)	611 (36.2)	267 (40.4)	34 (32.7)	7,388 (38.1)
Unkn	1 (0.2)	12 (1.4)	21 (1.6)	56 (1.0)	63 (1.2)	31 (0.9)	23 (1.4)	7 (1.1)	25 (24.0)	239 (1.2)
Total	510	844	1,341	5,607	5,223	3,434	1,687	661	104	19,411

Table 78. ASIA Impairment Scale by Neurologic Level at Discharge - Thoracic

	Neurologic Level at Discharge													
AIS n (%)	T01	T02	T03	T04	T05	T06	T07	T08	T09	T10	T11	T12	T Unkn	Total
Complete (A)	288 (52.2)	314 (69.8)	575 (76.5)	1,010 (73.9)	705 (76.6)	707 (73.1)	507 (70.0)	658 (72.6)	521 (73.8)	1,066 (71.3)	815 (64.2)	863 (41.8)	14 (38.9)	8,043 (65.9)
Sensory only (B)	70 (12.7)	42 (9.3)	67 (8.9)	128 (9.4)	69 (7.5)	92 (9.5)	68 (9.4)	69 (7.6)	41 (5.8)	74 (4.9)	114 (9.0)	232 (11.2)	3 (8.3)	1,069 (8.8)
Non-functional Motor (C)	54 (9.8)	35 (7.8)	50 (6.6)	95 (7.0)	61 (6.6)	66 (6.8)	51 (7.0)	69 (7.6)	56 (7.9)	148 (9.9)	157 (12.4)	372 (18.0)	2 (5.6)	1,216 (10.0)
Functional Motor (D)	136 (24.6)	58 (12.9)	56 (7.4)	126 (9.2)	80 (8.7)	97 (10.0)	95 (13.1)	106 (11.7)	85 (12.0)	198 (13.2)	171 (13.5)	577 (27.9)	5 (13.9)	1,790 (14.7)
Unkn	4 (0.7)	1 (0.2)	4 (0.5)	7 (0.5)	5 (0.5)	5 (0.5)	3 (0.4)	4 (0.4)	3 (0.4)	10 (0.7)	12 (0.9)	21 (1.0)	12 (33.3)	91 (0.7)
Total	552	450	752	1,366	920	967	724	906	706	1,496	1,269	2,065	36	12,209

Table 79. ASIA Impairment Scale by Neurologic Level at Discharge - Lumbar

	Neurologic Level at Discharge						
AIS n (%)	L01	L02	L03	L04	L05	L Unkn	Total
Complete (A)	377 (23.2)	111 (12.2)	87 (14.9)	18 (6.8)	10 (8.9)	1 (10.0)	604 (17.2)
Sensory only (B)	193 (11.9)	107 (11.7)	70 (12.0)	20 (7.5)	8 (7.1)	0 (0.0)	398 (11.3)
Non-functional Motor (C)	426 (26.2)	176 (19.3)	137 (23.5)	29 (10.9)	8 (7.1)	0 (0.0)	776 (22.1)
Functional Motor (D)	612 (37.7)	504 (55.2)	276 (47.3)	194 (72.9)	86 (76.8)	6 (60.0)	1,678 (47.8)
Unkn	16 (1.0)	15 (1.6)	14 (2.4)	5 (1.9)	0 (0.0)	3 (30.0)	53 (1.5)
Total	1,624	913	584	266	112	10	3,509

Table 80. ASIA Impairment Scale at 1 Year Post-Injury

	AIS						
n (%)	Complete (A)	Sensory only (B)	Non-functional Motor (C)	Functional Motor (D)	Recovered (E)	Unkn	Total
Total	8,409 (29.5)	1,940 (6.8)	1,912 (6.7)	5,818 (20.4)	293 (1.0)	10,103 (35.5)	28,475

Table 81. Motor Score Total (Mean) at Acute Admission, Rehabilitation Admission and System Discharge (Day-1s Only)

	Motor Score Totals		
Mean (n)	Acute Admit	Rehab Admit	System Discharge
Total	44.5 (7,022)	48.8 (8,099)	56.6 (8,145)

Footnote 1: Form I Day-1s entered to the database since October 1, 1993.

Footnote 2: Motor Index Scores Totals range from 0 to 100.

Table 82. Motor Score Total at 1 Year Post-Injury

	Motor Score Total				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	7,199	57.5	28.0	0	100

Footnote 1: Form IIs entered to the database since October 1, 1993.

Footnote 2: Motor Index Scores range from 0 to 100.

Table 83. Sensory Score for Light Touch Total (Mean) at Rehabilitation Admission and System Discharge

	Sensory Score for Light Touch Total	
Mean (n)	Rehab Admit	System Discharge
Total	66.0 (8,360)	71.5 (7,996)

Footnote 1: Data were required for all admissions to System since October 1, 2011.

Footnote 2: Sensory Score Light Touch Total ranges from 0 to 112

Table 84. Sensory Score for Pin Prick Total (Mean) at Rehabilitation Admission and System Discharge

	Sensory Score for Pin Prick Total	
Mean (n)	Rehab Admit	System Discharge
Total	57.2 (8,347)	62.1 (7,994)

Footnote 1: Data were required for all admissions to System since October 1, 2011.

Footnote 2: Sensory Score Light Touch Total ranges from 0 to 112

Table 85. Sensory Score for Light Touch Total at 1 Year Post-Injury

	Sensory Score for Light Touch Total				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	2,135	69.7	32.8	0	112

Footnote 1: Form IIs entered into the database since January 1, 2012.

Footnote 2: Sensory Score Light Touch Total ranges from 0 to 112

Table 86. Sensory Score for Pin Prick Total at 1 Year Post-Injury

	Sensory Score for Pin Prick Total				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	2,064	64.5	32.2	0	112

Footnote 1: Form IIs entered into the database since January 1, 2012.

Footnote 2: Sensory Score Light Touch Total ranges from 0 to 112.

Table 87. Respirator Use (Para) at Rehabilitation Admission

(Continued)

	Respirator Use at Rehab Admit						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	14,242 (89.2)	0 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

	Respirator Use at Rehab Admit						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	795 (5.0)	1 (0.0)	0 (0.0)	6 (0.0)	16 (0.1)	914 (5.7)	15,975

Footnote 1: To determine paraplegia level, Neuro Category at Discharge was used.

Footnote 2: Paraplegia group includes complete, incomplete and minimal deficit categories.

Footnote 3: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 88. Respirator Use (Para) at System Discharge

(Continued)

	Respirator Use at System Discharge						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	15,978 (99.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

	Respirator Use at System Discharge						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	66 (0.4)	0 (0.0)	0 (0.0)	5 (0.0)	22 (0.1)	49 (0.3)	16,120

Footnote 1: To determine paraplegia level, Neuro Category at Discharge was used.

Footnote 2: Paraplegia group includes complete, incomplete and minimal deficit categories.

Footnote 3: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 89. Respirator Use (Tetra) at Rehabilitation Admission

(Continued)

	Respirator Use at Rehab Admit						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	14,652 (75.5)	22 (0.1)	20 (0.1)	2 (0.0)	1 (0.0)	7 (0.0)	1 (0.0)

	Respirator Use at Rehab Admit						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	3,547 (18.3)	5 (0.0)	2 (0.0)	9 (0.0)	47 (0.2)	1,101 (5.7)	19,416

Footnote 1: To determine tetraplegia level, Neuro Category at Discharge was used.

Footnote 2: Tetraplegia group includes complete, incomplete and minimal deficit categories.

Footnote 3: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 90. Respirator Use (Tetra) at System Discharge

(Continued)

	Respirator Use at System Discharge						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	18,565 (93.7)	4 (0.0)	3 (0.0)	0 (0.0)	1 (0.0)	4 (0.0)	0 (0.0)

	Respirator Use at System Discharge						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	1,010 (5.1)	11 (0.1)	1 (0.0)	8 (0.0)	75 (0.4)	140 (0.7)	19,822

Footnote 1: To determine paraplegia level, Neuro Category at Discharge was used.

Footnote 2: Tetraplegia group includes complete, incomplete and minimal deficit categories.

Footnote 3: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 91. Respirator Use (Paraplegia) at 1 Year Post-Injury

(Continued)

	Respirator Use - Paraplegia						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	8,683 (97.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

	Respirator Use - Paraplegia						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	19 (0.2)	0 (0.0)	0 (0.0)	1 (0.0)	5 (0.1)	225 (2.5)	8,933

Footnote 1: Paraplegia groups include complete, incomplete and minimal deficit categories.

Footnote 2: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 92. Respirator Use (Tetraplegia) at 1 Year Post-Injury

(Continued)

	Respirator Use - Tetraplegia						
n (%)	None	Yes, Mechanical vent less than 24 hours per day (no Pacer)	Yes, Mechanical vent 24 hours per day (no Pacer)	Yes, Mechanical vent hours per day unknown (no Pacer)	Yes, Mechanical vent less than 24 hours per day with Pacer	Yes, Mechanical vent 24 hours per day with Pacer	Yes, Mechanical vent hours per day unknown, with Pacer
Total	9,054 (93.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

	Respirator Use - Tetraplegia						
n (%)	Yes, Mechanical vent hours per day unknown (Pacer unknown)	Phrenic nerve stimulator only	Diaphragmatic pacing device only	Bi-level Positive Airway Pressure (BiPAP), external negative pressure devices, and other unclassified	Continuous Positive Airway Pressure (CPAP) for sleep apnea	Unkn	Total
Total	316 (3.3)	10 (0.1)	0 (0.0)	2 (0.0)	17 (0.2)	253 (2.6)	9,652

Footnote 1: 'Other' denotes all centers that are not funded for the 2021-2026 funding cycle.

Footnote 2: Tetraplegia groups include complete, incomplete and minimal deficit categories.

Footnote 3: In September 2021, updated codes to match International SCI Pulmonary Dataset.

Table 93. Method of Bladder Emptying at Discharge - Male

	Bladder Emptying at Discharge								
n (%)	Normal voiding	Bladder reflex triggering	Intermittent catheterization (ICP)	Indwelling catheter - Transurethral	Indwelling catheter - Suprapubic	Non-continent urinary diversion/ostomy	Other	Unkn	Total
Total	5,516 (18.2)	3,742 (12.3)	13,768 (45.3)	4,264 (14.0)	2,007 (6.6)	24 (0.1)	96 (0.3)	951 (3.1)	30,368

Footnote 1: In September 2021, updated codes and name to match International Lower Urinary Tract Function Dataset version 2.0. Existing Bladder Management data converted into 2 variables: Bladder Emptying and Collecting Appliance for Urinary Incontinence.

Table 94. Method of Bladder Emptying at Discharge – Female

	Bladder Emptying at Discharge								
n (%)	Normal voiding	Bladder reflex triggering	Intermittent catheterization (ICP)	Indwelling catheter - Transurethral	Indwelling catheter - Suprapubic	Non-continent urinary diversion/ostomy	Other	Unkn	Total
Total	1,655 (22.1)	163 (2.2)	3,027 (40.4)	1,952 (26.0)	343 (4.6)	4 (0.1)	16 (0.2)	334 (4.5)	7,494

Footnote 1: In September 2021, updated codes and name to match International Lower Urinary Tract Function Dataset version 2.0. Existing Bladder Management data converted into 2 variables: Bladder Emptying and Collecting Appliance for Urinary Incontinence.

Table 95. Method of Bladder Collecting Appliance for Urinary Incontinence at Discharge - Male

	Bladder Collection Appliance at Discharge						
n (%)	No	Yes, condom catheter/sheath	Yes, padded brief/pad	Yes, ostomy bag	Other	Unkn	Total
Total	19,874 (65.4)	3,715 (12.2)	779 (2.6)	29 (0.1)	15 (0.0)	5,956 (19.6)	30,368

Footnote 1: In September 2021, this variable was added to the database.

Table 96. Method of Bladder Collecting Appliance for Urinary Incontinence at Discharge - Female

	Bladder Collection Appliance at Discharge						
n (%)	No	Yes, condom cath/sheath/Pure Wick for female	Yes, padded brief/pad	Yes, ostomy bag	Other	Unkn	Total
Total	5,829 (77.8)	15 (0.2)	301 (4.0)	9 (0.1)	5 (0.1)	1,335 (17.8)	7,494

Footnote 1: In September 2021, this variable was added to the database.

Table 97. Method of Bladder Emptying by Post-Injury Year – Male

	Post Injury Year/n(%)										
Bladder Emptying n (%)	1	5	10	15	20	25	30	35	40	45	50
Normal voiding	5,536 (24.2)	2,838 (21.5)	1,587 (19.9)	1,015 (18.3)	745 (17.7)	553 (16.7)	449 (17.4)	303 (16.8)	170 (16.9)	52 (17.9)	2 (22.2)
Bladder reflex triggering	3,924 (17.2)	2,581 (19.6)	1,347 (16.9)	791 (14.3)	598 (14.2)	538 (16.2)	381 (14.8)	239 (13.2)	119 (11.8)	29 (10.0)	0 (0.0)
Intermittent catheterization (ICP)	7,983 (34.9)	4,067 (30.8)	2,577 (32.3)	1,817 (32.8)	1,325 (31.4)	1,026 (31.0)	765 (29.6)	528 (29.3)	286 (28.5)	69 (23.7)	2 (22.2)
Indwelling catheter - Transurethral	2,114 (9.2)	1,062 (8.1)	735 (9.2)	540 (9.8)	398 (9.4)	299 (9.0)	282 (10.9)	212 (11.7)	125 (12.4)	34 (11.7)	2 (22.2)
Indwelling catheter - Suprapubic	2,085 (9.1)	1,917 (14.5)	1,324 (16.6)	1,067 (19.3)	946 (22.4)	742 (22.4)	593 (23.0)	435 (24.1)	247 (24.6)	84 (28.9)	1 (11.1)
Non-continent urinary diversion/ostomy	14 (0.1)	48 (0.4)	53 (0.7)	37 (0.7)	42 (1.0)	48 (1.4)	34 (1.3)	27 (1.5)	19 (1.9)	13 (4.5)	2 (22.2)
Other	83 (0.4)	61 (0.5)	46 (0.6)	32 (0.6)	26 (0.6)	25 (0.8)	28 (1.1)	15 (0.8)	7 (0.7)	1 (0.3)	0 (0.0)
Unkn	1,136 (5.0)	614 (4.7)	318 (4.0)	233 (4.2)	135 (3.2)	81 (2.4)	50 (1.9)	46 (2.5)	32 (3.2)	9 (3.1)	0 (0.0)
Total	22,875	13,188	7,987	5,532	4,215	3,312	2,582	1,805	1,005	291	9

*Footnote: In September 2021, the variable name changed from Bladder Management to Bladder Emptying.
The bladder management variable data were split into 2 variables: Bladder Emptying and Collecting
Appliance for Urinary Incontinence.*

Table 98. Method of Bladder Emptying by Post-Injury Year - Female

	Post Injury Year/n(%)										
Bladder Emptying n (%)	1	5	10	15	20	25	30	35	40	45	50
Normal voiding	1,647 (29.4)	927 (27.8)	534 (25.7)	355 (24.6)	240 (22.2)	177 (20.6)	128 (19.5)	85 (18.0)	49 (17.3)	12 (14.8)	0 (0.0)
Bladder reflex triggering	132 (2.4)	85 (2.5)	39 (1.9)	26 (1.8)	27 (2.5)	17 (2.0)	17 (2.6)	21 (4.5)	12 (4.2)	4 (4.9)	1 (33.3)
Intermittent catheterization (ICP)	1,796 (32.1)	972 (29.1)	669 (32.2)	488 (33.8)	386 (35.8)	321 (37.4)	245 (37.2)	167 (35.5)	96 (33.8)	29 (35.8)	1 (33.3)
Indwelling catheter - Transurethral	1,173 (21.0)	680 (20.4)	398 (19.2)	272 (18.8)	214 (19.8)	174 (20.3)	149 (22.6)	111 (23.6)	63 (22.2)	17 (21.0)	0 (0.0)
Indwelling catheter - Suprapubic	429 (7.7)	392 (11.7)	272 (13.1)	192 (13.3)	135 (12.5)	110 (12.8)	71 (10.8)	50 (10.6)	36 (12.7)	11 (13.6)	1 (33.3)
Non-continent urinary diversion/ostomy	14 (0.3)	35 (1.0)	31 (1.5)	25 (1.7)	20 (1.9)	17 (2.0)	12 (1.8)	12 (2.5)	13 (4.6)	4 (4.9)	0 (0.0)
Other	15 (0.3)	23 (0.7)	15 (0.7)	20 (1.4)	11 (1.0)	5 (0.6)	11 (1.7)	5 (1.1)	3 (1.1)	0 (0.0)	0 (0.0)
Unkn	393 (7.0)	226 (6.8)	120 (5.8)	67 (4.6)	46 (4.3)	37 (4.3)	25 (3.8)	20 (4.2)	12 (4.2)	4 (4.9)	0 (0.0)
Total	5,599	3,340	2,078	1,445	1,079	858	658	471	284	81	3

Footnote: In September 2021, the variable name changed from Bladder Management to Bladder Emptying. The bladder management variable data were split into 2 variables: Bladder Emptying and Collecting Appliance for Urinary Incontinence.

Table 99. Method of Bladder Collection Appliance by Post-Injury Year – Male

	Post Injury Year/n(%)										
Bladder Management n (%)	1	5	10	15	20	25	30	35	40	45	50
No	14,493 (63.4)	8,718 (66.1)	5,643 (70.7)	4,095 (74.0)	3,188 (75.6)	2,442 (73.7)	1,917 (74.2)	1,334 (73.9)	721 (71.7)	188 (64.6)	8 (88.9)
Yes, condom catheter/sheath	4,034 (17.6)	2,698 (20.5)	1,513 (18.9)	941 (17.0)	724 (17.2)	647 (19.5)	489 (18.9)	327 (18.1)	162 (16.1)	46 (15.8)	1 (11.1)
Yes, padded brief/pad	712 (3.1)	397 (3.0)	222 (2.8)	154 (2.8)	101 (2.4)	58 (1.8)	42 (1.6)	36 (2.0)	51 (5.1)	32 (11.0)	0 (0.0)
Yes, ostomy bag	43 (0.2)	79 (0.6)	73 (0.9)	46 (0.8)	47 (1.1)	57 (1.7)	43 (1.7)	38 (2.1)	41 (4.1)	14 (4.8)	0 (0.0)
Other	12 (0.1)	10 (0.1)	10 (0.1)	9 (0.2)	7 (0.2)	9 (0.3)	5 (0.2)	6 (0.3)	4 (0.4)	1 (0.3)	0 (0.0)
Unkn	3,581 (15.7)	1,286 (9.8)	526 (6.6)	287 (5.2)	148 (3.5)	99 (3.0)	86 (3.3)	64 (3.5)	26 (2.6)	10 (3.4)	0 (0.0)
Total	22,875	13,188	7,987	5,532	4,215	3,312	2,582	1,805	1,005	291	9

Footnote: In September 2021, this variable was added to the database. Appropriate Bladder Management data were inserted to existing records.

Table 100. Method of Bladder Collection Appliance by Post-Injury Year - Female

	Post Injury Year/n(%)										
Bladder Management n (%)	1	5	10	15	20	25	30	35	40	45	50
No	4,269 (76.2)	2,667 (79.9)	1,716 (82.6)	1,231 (85.2)	951 (88.1)	762 (88.8)	573 (87.1)	410 (87.0)	220 (77.5)	55 (67.9)	1 (33.3)
Yes, condom cath/sheath/ PureWick for female	5 (0.1)	2 (0.1)	2 (0.1)	3 (0.2)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	1 (0.4)	1 (1.2)	0 (0.0)
Yes, padded brief/pad	340 (6.1)	217 (6.5)	126 (6.1)	92 (6.4)	67 (6.2)	48 (5.6)	46 (7.0)	35 (7.4)	37 (13.0)	18 (22.2)	2 (66.7)
Yes, ostomy bag	27 (0.5)	42 (1.3)	32 (1.5)	26 (1.8)	23 (2.1)	16 (1.9)	13 (2.0)	12 (2.5)	17 (6.0)	2 (2.5)	0 (0.0)
Other	9 (0.2)	3 (0.1)	6 (0.3)	1 (0.1)	1 (0.1)	0 (0.0)	1 (0.2)	1 (0.2)	0 (0.0)	1 (1.2)	0 (0.0)
Unkn	949 (16.9)	409 (12.2)	196 (9.4)	92 (6.4)	37 (3.4)	31 (3.6)	25 (3.8)	13 (2.8)	9 (3.2)	4 (4.9)	0 (0.0)
Total	5,599	3,340	2,078	1,445	1,079	858	658	471	284	81	3

Footnote: In September 2021, this variable was added to the database. Appropriate Bladder Management data were inserted to existing records.

Table 101. Frequency of Bladder Incontinence at Initial Rehabilitation

	Frequency of Bladder Incontinence						
n (%)	None	Daily	Weekly	Monthly	NA	Unkn	Total
Total	3,127 (55.2)	664 (11.7)	756 (13.3)	843 (14.9)	139 (2.5)	140 (2.5)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 102. Frequency of Bladder Incontinence in the Last 4 Weeks by Post-Injury Year

	Post-Injury Year										
n (%)	1	5	10	15	20	25	30	35	40	45	50
None	2,443 (57.8)	1,880 (58.5)	1,408 (58.7)	1,108 (57.4)	821 (56.8)	717 (59.4)	568 (60.6)	666 (61.5)	589 (57.6)	207 (55.6)	7 (58.3)
Yes, daily	468 (11.1)	338 (10.5)	278 (11.6)	230 (11.9)	169 (11.7)	148 (12.3)	103 (11.0)	125 (11.5)	127 (12.4)	49 (13.2)	2 (16.7)
Yes, weekly	446 (10.6)	332 (10.3)	259 (10.8)	186 (9.6)	180 (12.4)	116 (9.6)	99 (10.6)	97 (9.0)	97 (9.5)	47 (12.6)	1 (8.3)
Yes, monthly	548 (13.0)	406 (12.6)	272 (11.3)	244 (12.6)	179 (12.4)	136 (11.3)	107 (11.4)	124 (11.4)	136 (13.3)	42 (11.3)	0 (0.0)
NA	57 (1.3)	44 (1.4)	41 (1.7)	27 (1.4)	14 (1.0)	27 (2.2)	18 (1.9)	22 (2.0)	37 (3.6)	16 (4.3)	2 (16.7)
Unkn	264 (6.2)	213 (6.6)	139 (5.8)	135 (7.0)	83 (5.7)	64 (5.3)	43 (4.6)	49 (4.5)	37 (3.6)	11 (3.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 103. Method of Bowel Management at Initial Rehabilitation

(Continued)

	Method of Bowel Management						
n (%)	No defecation since rehab admit	Normal defecation	Straining/ bearing down to empty	Digital ano-rectal stimulation	Suppositories	Digital evacuation	Mini enema (Clysm, <150 mL)
Total	30 (0.5)	1,291 (22.8)	59 (1.0)	942 (16.6)	2,509 (44.3)	137 (2.4)	184 (3.2)

	Method of Bowel Management						
n (%)	Enema (>150 mL), including transanal irrigation	Colostomy (ileostomy)	Sacral anterior root stimulation	Other (pad, brief, disposable underwear, etc)	NA	Unkn	Total
Total	188 (3.3)	204 (3.6)	4 (0.1)	33 (0.6)	2 (0.0)	86 (1.5)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 104. Method of Bowel Management in the Last 4 Weeks by Post-Injury Year

Bowel Management n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
No defecation in last 4 weeks	42 (1.0)	22 (0.7)	23 (1.0)	11 (0.6)	20 (1.4)	13 (1.1)	8 (0.9)	8 (0.7)	6 (0.6)	0 (0.0)	0 (0.0)
Normal defecation	1,517 (35.9)	1,097 (34.1)	765 (31.9)	599 (31.0)	422 (29.2)	320 (26.5)	244 (26.0)	242 (22.3)	263 (25.7)	89 (23.9)	2 (16.7)
Straining/bearing down to empty	91 (2.2)	106 (3.3)	78 (3.3)	63 (3.3)	50 (3.5)	34 (2.8)	29 (3.1)	32 (3.0)	42 (4.1)	11 (3.0)	0 (0.0)
Digital ano-rectal stimulation	637 (15.1)	553 (17.2)	473 (19.7)	383 (19.8)	282 (19.5)	259 (21.4)	218 (23.2)	269 (24.8)	254 (24.8)	99 (26.6)	1 (8.3)
Suppositories	1,053 (24.9)	733 (22.8)	475 (19.8)	372 (19.3)	280 (19.4)	245 (20.3)	171 (18.2)	213 (19.7)	192 (18.8)	62 (16.7)	5 (41.7)
Digital evacuation	194 (4.6)	142 (4.4)	87 (3.6)	90 (4.7)	72 (5.0)	63 (5.2)	58 (6.2)	82 (7.6)	74 (7.2)	26 (7.0)	1 (8.3)
Mini enema (Clysm, < 150 mL)	133 (3.1)	102 (3.2)	83 (3.5)	75 (3.9)	50 (3.5)	55 (4.6)	25 (2.7)	17 (1.6)	18 (1.8)	6 (1.6)	0 (0.0)
Enema (>150 mL), including transanal irrigation	108 (2.6)	56 (1.7)	65 (2.7)	46 (2.4)	35 (2.4)	41 (3.4)	27 (2.9)	25 (2.3)	14 (1.4)	8 (2.2)	1 (8.3)
Colostomy (ileostomy)	208 (4.9)	204 (6.3)	198 (8.3)	147 (7.6)	133 (9.2)	118 (9.8)	109 (11.6)	147 (13.6)	115 (11.2)	56 (15.1)	2 (16.7)
Sacral anterior root stimulation	5 (0.1)	6 (0.2)	3 (0.1)	4 (0.2)	1 (0.1)	0 (0.0)	1 (0.1)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
Other (pad, brief, disposable underwear, etc)	99 (2.3)	47 (1.5)	40 (1.7)	29 (1.5)	31 (2.1)	13 (1.1)	10 (1.1)	8 (0.7)	13 (1.3)	2 (0.5)	0 (0.0)
NA	3 (0.1)	2 (0.1)	1 (0.0)	4 (0.2)	1 (0.1)	1 (0.1)	4 (0.4)	2 (0.2)	1 (0.1)	0 (0.0)	0 (0.0)
Unkn	136 (3.2)	143 (4.5)	106 (4.4)	107 (5.5)	69 (4.8)	46 (3.8)	34 (3.6)	38 (3.5)	30 (2.9)	13 (3.5)	0 (0.0)
Total	4,226 (23.7)	3,213 (18.0)	2,397 (13.4)	1,930 (10.8)	1,446 (8.1)	1,208 (6.8)	938 (5.3)	1,083 (6.1)	1,023 (5.7)	372 (2.1)	12 (0.1)

Footnote 1: Form IIs obtained since October 1, 2016.

Table 105. Frequency of Emptying Bowel at Initial Rehabilitation

	Frequency of Emptying Bowel							
n (%)	No defecation since rehab admit	Less than once a week	1 to 6 times a week	Daily	Declined	NA	Unkn	Total
Total	17 (0.3)	138 (2.4)	1,279 (22.6)	3,911 (69.0)	8 (0.1)	207 (3.7)	109 (1.9)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: In September 2021, wording of the codes changed slightly to match updates in the International SCI Bowel Function Dataset: 'Once or more per day' changed to 'Daily'; '2-6 times per week' changed to '1-6 times per week'; and 'Once per week or less' changed to 'Less than once per week'.

Table 106. Frequency of Emptying Bowel in the Last 4 Weeks by Post-Injury Year

	Post-Injury Year										
Frequency of Emptying Bowel n (%)	1	5	10	15	20	25	30	35	40	45	50
No defecation since rehab admit	10 (0.2)	9 (0.3)	9 (0.4)	2 (0.1)	2 (0.1)	2 (0.2)	5 (0.5)	2 (0.2)	2 (0.2)	1 (0.3)	0 (0.0)
Less than once a week	120 (2.8)	100 (3.1)	95 (4.0)	88 (4.6)	54 (3.7)	47 (3.9)	28 (3.0)	34 (3.1)	33 (3.2)	7 (1.9)	0 (0.0)
1 to 6 times a week	1,607 (38.0)	1,335 (41.5)	1,047 (43.7)	893 (46.3)	670 (46.3)	591 (48.9)	455 (48.5)	526 (48.6)	532 (52.0)	182 (48.9)	5 (41.7)
Daily	2,046 (48.4)	1,368 (42.6)	910 (38.0)	671 (34.8)	507 (35.1)	390 (32.3)	294 (31.3)	328 (30.3)	308 (30.1)	114 (30.6)	5 (41.7)
Declined	9 (0.2)	17 (0.5)	15 (0.6)	8 (0.4)	10 (0.7)	4 (0.3)	3 (0.3)	4 (0.4)	1 (0.1)	2 (0.5)	0 (0.0)
NA	213 (5.0)	207 (6.4)	200 (8.3)	152 (7.9)	137 (9.5)	119 (9.9)	114 (12.2)	152 (14.0)	115 (11.2)	56 (15.1)	2 (16.7)
Unkn	221 (5.2)	177 (5.5)	121 (5.0)	116 (6.0)	66 (4.6)	55 (4.6)	39 (4.2)	37 (3.4)	32 (3.1)	10 (2.7)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: In September 2021, wording of the codes changed slightly to match updates in the International SCI Bowel Function Dataset: 'Once or more per day' changed to 'Daily'; '2-6 times per week' changed to '1-6 times per week'; and 'Once per week or less' changed to 'Less than once per week'.

Table 107. Average Time to Empty Bowel at Initial Rehabilitation

	Average Time to Empty Bowel							
n (%)	No defecation since rehab admit	0 to 30 minutes	31 to 60 minutes	≥ 60 minutes	Declined	NA	Unkn	Total
Total	57 (1.0)	3,184 (56.2)	1,427 (25.2)	563 (9.9)	42 (0.7)	210 (3.7)	186 (3.3)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 108. Average Time to Empty Bowel in the Last 4 Weeks by Post-Injury Year

	Post-Injury Year										
Average Time to Empty Bowel n (%)	1	5	10	15	20	25	30	35	40	45	50
No defecation in the last 4 weeks	56 (1.3)	44 (1.4)	34 (1.4)	23 (1.2)	24 (1.7)	13 (1.1)	15 (1.6)	20 (1.8)	16 (1.6)	2 (0.5)	0 (0.0)
0 to 30 minutes	2,370 (56.1)	1,700 (52.9)	1,217 (50.8)	964 (49.9)	712 (49.2)	596 (49.3)	464 (49.5)	520 (48.0)	497 (48.6)	163 (43.8)	4 (33.3)
31 to 60 minutes	921 (21.8)	715 (22.3)	528 (22.0)	386 (20.0)	287 (19.8)	239 (19.8)	182 (19.4)	190 (17.5)	202 (19.7)	78 (21.0)	3 (25.0)
More than 60 minutes	340 (8.0)	315 (9.8)	240 (10.0)	254 (13.2)	186 (12.9)	173 (14.3)	113 (12.0)	157 (14.5)	152 (14.9)	59 (15.9)	2 (16.7)
Declined	49 (1.2)	30 (0.9)	27 (1.1)	16 (0.8)	18 (1.2)	8 (0.7)	7 (0.7)	7 (0.6)	5 (0.5)	3 (0.8)	0 (0.0)
NA	217 (5.1)	209 (6.5)	202 (8.4)	153 (7.9)	140 (9.7)	119 (9.9)	114 (12.2)	152 (14.0)	116 (11.3)	56 (15.1)	2 (16.7)
Unkn	273 (6.5)	200 (6.2)	149 (6.2)	134 (6.9)	79 (5.5)	60 (5.0)	43 (4.6)	37 (3.4)	35 (3.4)	11 (3.0)	1 (8.3)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 109. Frequency of Bowel Incontinence at Initial Rehabilitation

	Frequency of Bowel Incontinence						
n (%)	Less than once a month or Never	1 to 4 times a month	1 to 6 times a week	Daily	NA	Unkn	Total
Total	3,451 (60.9)	1,081 (19.1)	621 (11.0)	294 (5.2)	63 (1.1)	159 (2.8)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 110. Frequency of Bowel Incontinence in the Last 4 Weeks by Post-Injury Year

	Post-Injury Year										
Frequency of Bowel Incontinence n (%)	1	5	10	15	20	25	30	35	40	45	50
Less than once a month or Never	3,176 (75.2)	2,466 (76.8)	1,803 (75.2)	1,464 (75.9)	1,088 (75.2)	899 (74.4)	711 (75.8)	822 (75.9)	783 (76.5)	267 (71.8)	10 (83.3)
1 to 4 times a month	425 (10.1)	310 (9.6)	261 (10.9)	195 (10.1)	146 (10.1)	145 (12.0)	105 (11.2)	127 (11.7)	129 (12.6)	49 (13.2)	0 (0.0)
1 to 6 times a week	140 (3.3)	85 (2.6)	54 (2.3)	37 (1.9)	44 (3.0)	39 (3.2)	27 (2.9)	37 (3.4)	40 (3.9)	16 (4.3)	1 (8.3)
Daily	76 (1.8)	42 (1.3)	42 (1.8)	23 (1.2)	25 (1.7)	12 (1.0)	10 (1.1)	12 (1.1)	7 (0.7)	11 (3.0)	0 (0.0)
Declined, Participant doesn't know	37 (0.9)	28 (0.9)	19 (0.8)	19 (1.0)	18 (1.2)	13 (1.1)	9 (1.0)	9 (0.8)	4 (0.4)	5 (1.3)	0 (0.0)
NA	104 (2.5)	79 (2.5)	73 (3.0)	55 (2.8)	39 (2.7)	42 (3.5)	27 (2.9)	33 (3.0)	20 (2.0)	14 (3.8)	1 (8.3)
Unkn	268 (6.3)	203 (6.3)	145 (6.0)	137 (7.1)	86 (5.9)	58 (4.8)	49 (5.2)	43 (4.0)	40 (3.9)	10 (2.7)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 111. Health Literacy at the Time of Injury – help reading hospital materials

	Help reading hospital materials							
n (%)	Never	Rarely	Sometimes	Often	Always	Patient unable to respond	Unkn, age < 18	Total
Total	2,874 (50.7)	850 (15.0)	895 (15.8)	394 (7.0)	328 (5.8)	24 (0.4)	304 (5.4)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 112. Body Mass Index (Mean) during Rehabilitation

	BMI (kg/m2)				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	12,629	26.8	6.5	10	94

Footnote 1: Data required for all admissions to System since October 1, 2006.

Table 113. Body Mass Index (mean) by Post-Injury Year

	Post Injury Year										
mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	26.2 (3,843)	26.9 (1,268)	26.5 (750)	26.6 (573)	26.1 (457)	26.6 (393)	25.9 (263)	25.5 (166)	26.1 (91)	25.7 (11)	26.6 (2)

Footnote1: Form II entered to the data base since January, 2007

Table 114. Number of Pregnancies Prior to Injury

n (%)	Number of Pregnancies													Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	
Total	1,069 (37.3)	450 (15.7)	548 (19.1)	380 (13.3)	211 (7.4)	112 (3.9)	46 (1.6)	18 (0.6)	13 (0.5)	6 (0.2)	4 (0.1)	4 (0.1)	3 (0.1)	2,864

Footnote 1: Form Is admitted to the System since January 1, 2016; includes retrospective data collected at follow-up for participants who were enrolled prior to 2016.

Footnote 2: Include those who are female, age 15 or older

Footnote3: Exclude those reported declined or unknown

Table 115. Number of Pregnancies by Post-Injury Year

Number Pregnancy n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
0	265 (29.5)	184 (28.3)	144 (27.9)	109 (25.5)	86 (25.5)	71 (27.1)	64 (31.8)	66 (31.9)	68 (31.6)	27 (33.8)	0 (0.0)
1	139 (15.5)	104 (16.0)	90 (17.4)	74 (17.3)	48 (14.2)	41 (15.6)	30 (14.9)	36 (17.4)	24 (11.2)	11 (13.8)	0 (0.0)
2	168 (18.7)	128 (19.7)	98 (19.0)	93 (21.7)	74 (22.0)	53 (20.2)	41 (20.4)	35 (16.9)	47 (21.9)	19 (23.8)	1 (33.3)
3	137 (15.2)	82 (12.6)	67 (13.0)	50 (11.7)	45 (13.4)	32 (12.2)	25 (12.4)	36 (17.4)	29 (13.5)	10 (12.5)	1 (33.3)
4	74 (8.2)	56 (8.6)	37 (7.2)	35 (8.2)	29 (8.6)	23 (8.8)	12 (6.0)	15 (7.2)	15 (7.0)	6 (7.5)	1 (33.3)
5	35 (3.9)	13 (2.0)	19 (3.7)	15 (3.5)	23 (6.8)	11 (4.2)	12 (6.0)	8 (3.9)	13 (6.0)	2 (2.5)	0 (0.0)
6	16 (1.8)	16 (2.5)	14 (2.7)	8 (1.9)	5 (1.5)	4 (1.5)	2 (1.0)	2 (1.0)	7 (3.3)	0 (0.0)	0 (0.0)
7	8 (0.9)	9 (1.4)	3 (0.6)	3 (0.7)	2 (0.6)	1 (0.4)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.3)	0 (0.0)
8	3 (0.3)	4 (0.6)	3 (0.6)	2 (0.5)	1 (0.3)	2 (0.8)	1 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
9	1 (0.1)	3 (0.5)	2 (0.4)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
10	3 (0.3)	1 (0.2)	2 (0.4)	1 (0.2)	1 (0.3)	1 (0.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
11	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
12	0 (0.0)	0 (0.0)	1 (0.2)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
15	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Declined	7 (0.8)	5 (0.8)	5 (1.0)	4 (0.9)	5 (1.5)	2 (0.8)	2 (1.0)	4 (1.9)	4 (1.9)	0 (0.0)	0 (0.0)
Unknown	42 (4.7)	46 (7.1)	32 (6.2)	31 (7.2)	17 (5.0)	21 (8.0)	12 (6.0)	5 (2.4)	8 (3.7)	4 (5.0)	0 (0.0)
Total	899	651	517	428	337	262	201	207	215	80	3

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Woman ≥ 15 years old.

Table 116. Number of Live Births Prior to Injury

n (%)	Number of Alive Birth													Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	
Total	1,253 (43.6)	461 (16.0)	635 (22.1)	320 (11.1)	123 (4.3)	45 (1.6)	21 (0.7)	7 (0.2)	4 (0.1)	2 (0.1)	1 (0.0)	1 (0.0)	1 (0.0)	2,874

Footnote 1: Form Is admitted to the System since January 1, 2016; includes retrospective data collected at follow-up for participants who were enrolled prior to 2016.

Footnote 2: Include those who are female, age 15 or older.

Footnote3: Exclude those reported declined or unknown

Table 117. Number of Live Births by Post-Injury Years

Number of Live Births n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
0	307 (34.1)	215 (33.0)	178 (34.4)	134 (31.3)	107 (31.8)	88 (33.7)	78 (38.8)	85 (41.5)	83 (38.6)	32 (40.0)	0 (0.0)
1	165 (18.4)	122 (18.7)	97 (18.8)	80 (18.7)	52 (15.4)	41 (15.7)	26 (12.9)	39 (19.0)	37 (17.2)	15 (18.8)	0 (0.0)
2	194 (21.6)	138 (21.2)	110 (21.3)	100 (23.4)	90 (26.7)	64 (24.5)	59 (29.4)	36 (17.6)	48 (22.3)	19 (23.8)	2 (66.7)
3	116 (12.9)	80 (12.3)	51 (9.9)	47 (11.0)	42 (12.5)	32 (12.3)	15 (7.5)	26 (12.7)	22 (10.2)	7 (8.8)	1 (33.3)
4	50 (5.6)	34 (5.2)	22 (4.3)	21 (4.9)	20 (5.9)	8 (3.1)	5 (2.5)	8 (3.9)	8 (3.7)	2 (2.5)	0 (0.0)
5	12 (1.3)	4 (0.6)	13 (2.5)	8 (1.9)	6 (1.8)	3 (1.1)	5 (2.5)	2 (1.0)	5 (2.3)	1 (1.3)	0 (0.0)
6	4 (0.4)	7 (1.1)	8 (1.5)	4 (0.9)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.5)	0 (0.0)	0 (0.0)
7	2 (0.2)	3 (0.5)	3 (0.6)	0 (0.0)	0 (0.0)	2 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
8	1 (0.1)	1 (0.2)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
9	1 (0.1)	0 (0.0)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
10	1 (0.1)	1 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Declined	5 (0.6)	5 (0.8)	4 (0.8)	4 (0.9)	4 (1.2)	2 (0.8)	2 (1.0)	4 (2.0)	4 (1.9)	0 (0.0)	0 (0.0)
Unknown	41 (4.6)	41 (6.3)	29 (5.6)	30 (7.0)	16 (4.7)	21 (8.0)	11 (5.5)	5 (2.4)	7 (3.3)	4 (5.0)	0 (0.0)
Total	899	651	517	428	337	261	201	205	215	80	3

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Woman ≥ 15 years old.

Table 118. Hypertension Diagnosis Prior to Injury

	Hypertension Diagnosis					
n (%)	No	Yes	Borderline/Pre-Hypertensive	Declined, Participant does not know	Unkn	Total
Total	4,064 (71.7)	1,520 (26.8)	35 (0.6)	11 (0.2)	39 (0.7)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: In September 2021, added code for 2 Borderline/Pre-Hypertensive.

Table 119. Hypertension Diagnosis by Post-Injury Year

	Post-Injury Year										
Hypertension n (%)	1	5	10	15	20	25	30	35	40	45	50
No	3,107 (73.5)	2,438 (75.9)	1,844 (76.9)	1,460 (75.6)	1,088 (75.2)	905 (74.9)	637 (67.9)	741 (68.4)	695 (67.9)	223 (59.9)	7 (58.3)
Yes	937 (22.2)	608 (18.9)	437 (18.2)	356 (18.4)	282 (19.5)	257 (21.3)	272 (29.0)	301 (27.8)	296 (28.9)	136 (36.6)	5 (41.7)
Borderline/Pre-Hypertensive	8 (0.2)	6 (0.2)	5 (0.2)	6 (0.3)	4 (0.3)	4 (0.3)	2 (0.2)	2 (0.2)	5 (0.5)	4 (1.1)	0 (0.0)
Declined, Participant does not know	13 (0.3)	22 (0.7)	13 (0.5)	18 (0.9)	14 (1.0)	4 (0.3)	3 (0.3)	7 (0.6)	4 (0.4)	1 (0.3)	0 (0.0)
Unknown	161 (3.8)	139 (4.3)	98 (4.1)	90 (4.7)	58 (4.0)	38 (3.1)	24 (2.6)	32 (3.0)	23 (2.2)	8 (2.2)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: In September 2021, added code for 2 Borderline/Pre-Hypertensive.

Table 120. Hyperlipidemia Diagnosis Prior to Injury

	Hyperlipidemia Diagnosis				
n (%)	No	Yes	Declined, Participant not know	Unknown	Total
Total	4,524 (79.8)	1,089 (19.2)	15 (0.3)	41 (0.7)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 121. Hyperlipidemia Diagnosis by Post-Injury Year

	Post-Injury Year										
Hyperlipidemia n (%)	1	5	10	15	20	25	30	35	40	45	50
No	3,334 (78.9)	2,534 (78.9)	1,882 (78.5)	1,513 (78.4)	1,130 (78.1)	967 (80.0)	718 (76.5)	790 (72.9)	771 (75.4)	258 (69.4)	5 (41.7)
Yes	689 (16.3)	492 (15.3)	396 (16.5)	302 (15.6)	230 (15.9)	188 (15.6)	183 (19.5)	243 (22.4)	216 (21.1)	102 (27.4)	7 (58.3)
Declined, Participant not know	35 (0.8)	44 (1.4)	17 (0.7)	25 (1.3)	23 (1.6)	15 (1.2)	9 (1.0)	16 (1.5)	13 (1.3)	2 (0.5)	0 (0.0)
Unknown	168 (4.0)	143 (4.5)	102 (4.3)	90 (4.7)	63 (4.4)	38 (3.1)	28 (3.0)	34 (3.1)	23 (2.2)	10 (2.7)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 122. Arthritis Diagnosis Prior to Injury

	Arthritis Diagnosis				
n (%)	No	Yes	Declined, Participant not know	Unkn	Total
Total	4,616 (81.4)	991 (17.5)	15 (0.3)	47 (0.8)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 123. Arthritis Diagnosis by Post-Injury Year

	Post-Injury Year										
Arthritis n (%)	1	5	10	15	20	25	30	35	40	45	50
No	3,234 (76.5)	2,358 (73.4)	1,762 (73.5)	1,376 (71.3)	989 (68.4)	855 (70.8)	609 (64.9)	633 (58.4)	556 (54.3)	231 (62.1)	7 (58.3)
Yes	795 (18.8)	671 (20.9)	512 (21.4)	429 (22.2)	369 (25.5)	305 (25.2)	299 (31.9)	407 (37.6)	438 (42.8)	131 (35.2)	5 (41.7)
Declined/Participant does not know	21 (0.5)	33 (1.0)	18 (0.8)	29 (1.5)	23 (1.6)	7 (0.6)	5 (0.5)	9 (0.8)	5 (0.5)	2 (0.5)	0 (0.0)
Unknown	176 (4.2)	151 (4.7)	105 (4.4)	96 (5.0)	65 (4.5)	41 (3.4)	25 (2.7)	34 (3.1)	24 (2.3)	8 (2.2)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 124. Diabetes Diagnosis Prior to Injury

n (%)	Diabetes Diagnosis					
	No	Yes	Borderline/Im-paired glucose tolerance	Declined	Unkn	Total
Total	8,183 (87.5)	1,047 (11.2)	43 (0.5)	12 (0.1)	64 (0.7)	9,349

Footnote 1: Data was required for all Admissions to System since October 1, 2011.

Footnote 2: In September 2021, added code for Borderline.

Table 125. Diabetes Diagnosis by Post-Injury Year

Diabetes n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
No	6,232 (86.1)	4,512 (84.9)	3,465 (85.5)	2,661 (85.1)	2,145 (85.5)	1,730 (84.6)	1,698 (84.4)	1,717 (85.3)	1,112 (86.3)	301 (80.9)	5 (41.7)
Yes	780 (10.8)	596 (11.2)	455 (11.2)	327 (10.5)	269 (10.7)	250 (12.2)	263 (13.1)	250 (12.4)	145 (11.2)	58 (15.6)	6 (50.0)
Borderline/Impaired glucose tolerance	18 (0.2)	8 (0.2)	12 (0.3)	8 (0.3)	8 (0.3)	7 (0.3)	4 (0.2)	0 (0.0)	7 (0.5)	3 (0.8)	1 (8.3)
Declined	18 (0.2)	28 (0.5)	13 (0.3)	19 (0.6)	16 (0.6)	7 (0.3)	7 (0.3)	7 (0.3)	2 (0.2)	1 (0.3)	0 (0.0)
Unkn	193 (2.7)	168 (3.2)	110 (2.7)	111 (3.6)	71 (2.8)	51 (2.5)	39 (1.9)	38 (1.9)	23 (1.8)	9 (2.4)	0 (0.0)
Total	7,241	5,312	4,055	3,126	2,509	2,045	2,011	2,012	1,289	372	12

Footnote 1: Form IIs entered into the database since January 1, 2012.

Footnote 2: In September 2021, added code for Borderline.

Table 126. Urinary Tract Infection Requiring Antibiotics Treatment in Past 12 Months by Post-Injury Year

	Post-Injury Year										
UTI n (%)	1	5	10	15	20	25	30	35	40	45	50
No	3,064 (42.3)	2,615 (49.2)	1,952 (48.1)	1,468 (47.0)	1,172 (46.7)	902 (44.1)	919 (45.7)	867 (43.1)	548 (42.5)	173 (46.5)	4 (33.3)
1 to 2 times*	1,186 (16.4)	813 (15.3)	621 (15.3)	488 (15.6)	384 (15.3)	366 (17.9)	268 (13.3)	341 (16.9)	339 (26.3)	111 (29.8)	2 (16.7)
3 to 5 times*	651 (9.0)	390 (7.3)	303 (7.5)	246 (7.9)	167 (6.7)	164 (8.0)	132 (6.6)	141 (7.0)	130 (10.1)	43 (11.6)	2 (16.7)
>5 times*	431 (6.0)	298 (5.6)	227 (5.6)	165 (5.3)	144 (5.7)	112 (5.5)	85 (4.2)	107 (5.3)	90 (7.0)	32 (8.6)	4 (33.3)
UTI number unkn	1,605 (22.2)	951 (17.9)	792 (19.5)	584 (18.7)	537 (21.4)	416 (20.3)	553 (27.5)	499 (24.8)	140 (10.9)	0 (0.0)	0 (0.0)
Declined	28 (0.4)	36 (0.7)	17 (0.4)	24 (0.8)	15 (0.6)	11 (0.5)	6 (0.3)	9 (0.4)	5 (0.4)	4 (1.1)	0 (0.0)
Unkn	276 (3.8)	209 (3.9)	143 (3.5)	151 (4.8)	90 (3.6)	74 (3.6)	48 (2.4)	48 (2.4)	37 (2.9)	9 (2.4)	0 (0.0)
Total	7,241	5,312	4,055	3,126	2,509	2,045	2,011	2,012	1,289	372	12

Footnote 1: Form IIs entered into the database since January 1, 2012.

Footnote 2: * codes were added in October 2016.

Table 127. Pressure Ulcer Occurrence in Past 12 Months by Post-Injury Year

	Post-Injury Year										
Pressure Ulcer n (%)	1	5	10	15	20	25	30	35	40	45	50
No	5,136 (70.9)	3,748 (70.6)	2,785 (68.7)	2,142 (68.5)	1,670 (66.6)	1,324 (64.7)	1,333 (66.3)	1,295 (64.4)	805 (62.5)	227 (61.0)	8 (66.7)
Yes	1,835 (25.3)	1,339 (25.2)	1,108 (27.3)	832 (26.6)	739 (29.5)	650 (31.8)	626 (31.1)	667 (33.2)	454 (35.2)	133 (35.8)	4 (33.3)
Declined	25 (0.3)	28 (0.5)	17 (0.4)	15 (0.5)	12 (0.5)	6 (0.3)	6 (0.3)	5 (0.2)	1 (0.1)	2 (0.5)	0 (0.0)
Unkn	245 (3.4)	197 (3.7)	145 (3.6)	137 (4.4)	88 (3.5)	65 (3.2)	46 (2.3)	45 (2.2)	29 (2.2)	10 (2.7)	0 (0.0)
Total	7,241	5,312	4,055	3,126	2,509	2,045	2,011	2,012	1,289	372	12

Footnote 1: Form IIs entered into the database since January 1, 2012.

Table 128. Patients Re-hospitalized by Post Injury Year

	Post Injury Year										
Total Number of Rehospitalizations n (%)	1	5	10	15	20	25	30	35	40	45	50
0	7,263 (63.3)	5,344 (67.6)	4,118 (69.5)	3,212 (70.2)	2,639 (69.8)	2,508 (71.2)	2,282 (70.7)	1,554 (68.3)	856 (66.4)	240 (64.5)	11 (91.7)
1	2,389 (20.8)	1,508 (19.1)	1,062 (17.9)	794 (17.3)	681 (18.0)	610 (17.3)	584 (18.1)	435 (19.1)	256 (19.9)	77 (20.7)	0 (0.0)
2	765 (6.7)	417 (5.3)	327 (5.5)	230 (5.0)	209 (5.5)	165 (4.7)	172 (5.3)	130 (5.7)	83 (6.4)	23 (6.2)	0 (0.0)
3	305 (2.7)	163 (2.1)	113 (1.9)	78 (1.7)	67 (1.8)	79 (2.2)	70 (2.2)	55 (2.4)	35 (2.7)	6 (1.6)	0 (0.0)
4	128 (1.1)	69 (0.9)	53 (0.9)	30 (0.7)	32 (0.8)	31 (0.9)	29 (0.9)	20 (0.9)	13 (1.0)	5 (1.3)	0 (0.0)
5	65 (0.6)	40 (0.5)	11 (0.2)	11 (0.2)	13 (0.3)	9 (0.3)	8 (0.2)	9 (0.4)	4 (0.3)	2 (0.5)	0 (0.0)
6	37 (0.3)	17 (0.2)	12 (0.2)	5 (0.1)	7 (0.2)	4 (0.1)	8 (0.2)	2 (0.1)	1 (0.1)	0 (0.0)	1 (8.3)
>6	34 (0.3)	15 (0.2)	12 (0.2)	10 (0.2)	4 (0.1)	6 (0.2)	7 (0.2)	7 (0.3)	1 (0.1)	1 (0.3)	0 (0.0)
Yes, Unkn # of rehospitalizations	2 (0.0)	0 (0.0)	0 (0.0)	1 (0.0)	0 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Unkn	482 (4.2)	330 (4.2)	220 (3.7)	207 (4.5)	131 (3.5)	109 (3.1)	69 (2.1)	64 (2.8)	40 (3.1)	18 (4.8)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Table 129. Total Days Re-hospitalized (Mean) by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	22.6 (8,844)	19.4 (4,240)	19.6 (2,427)	19.9 (1,596)	19.4 (1,291)	20.5 (1,021)	20.1 (861)	23.1 (644)	20.2 (386)	28.4 (113)	271.0 (1)

Footnote 1: Exclude those with unknown number of days rehospitalized or with no/unknown rehospitalizations.

Table 130. Cause of Rehospitalization by Post Injury Year

Cause of Rehospitalization n (% of episodes)	Post Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
Infectious and Parasitic Diseases	299 (4.4)	162 (4.3)	139 (5.1)	92 (4.7)	90 (5.1)	67 (4.2)	33 (2.4)	35 (3.4)	24 (4.0)	13 (7.3)	0 (0.0)
Cancer	40 (0.6)	24 (0.6)	20 (0.7)	22 (1.1)	16 (0.9)	17 (1.1)	11 (0.8)	8 (0.8)	9 (1.5)	1 (0.6)	0 (0.0)
Endocrine/Nutrition Diseases	46 (0.7)	45 (1.2)	20 (0.7)	8 (0.4)	11 (0.6)	20 (1.3)	19 (1.4)	13 (1.3)	5 (0.8)	6 (3.4)	0 (0.0)
Diseases of the Blood	131 (1.9)	69 (1.8)	51 (1.9)	42 (2.1)	28 (1.6)	29 (1.8)	24 (1.7)	21 (2.0)	15 (2.5)	3 (1.7)	0 (0.0)
Mental Disorders	118 (1.7)	67 (1.8)	36 (1.3)	21 (1.1)	12 (0.7)	23 (1.5)	13 (0.9)	8 (0.8)	2 (0.3)	0 (0.0)	0 (0.0)
Diseases of the Nervous System	172 (2.5)	79 (2.1)	53 (1.9)	20 (1.0)	37 (2.1)	15 (1.0)	25 (1.8)	8 (0.8)	16 (2.7)	1 (0.6)	0 (0.0)
Diseases of the Circulatory System	443 (6.6)	196 (5.2)	130 (4.8)	100 (5.1)	79 (4.5)	75 (4.8)	80 (5.7)	66 (6.4)	44 (7.4)	13 (7.3)	0 (0.0)
Diseases of the Respiratory System	534 (7.9)	244 (6.4)	195 (7.2)	108 (5.5)	127 (7.2)	123 (7.8)	105 (7.5)	67 (6.5)	67 (11.3)	10 (5.6)	0 (0.0)
Diseases of the Digestive System	332 (4.9)	289 (7.6)	184 (6.8)	114 (5.8)	143 (8.1)	121 (7.7)	113 (8.1)	88 (8.5)	40 (6.7)	6 (3.4)	0 (0.0)
Diseases of the Genitourinary System	2,066 (30.6)	1,141 (30.0)	719 (26.4)	563 (28.8)	461 (26.1)	428 (27.1)	350 (25.1)	246 (23.9)	138 (23.2)	53 (29.9)	0 (0.0)
Childbirth and/or Complications of Childbirth	25 (0.4)	43 (1.1)	43 (1.6)	33 (1.7)	18 (1.0)	6 (0.4)	3 (0.2)	1 (0.1)	1 (0.2)	0 (0.0)	0 (0.0)
Diseases of the Skin	773 (11.5)	529 (13.9)	448 (16.5)	368 (18.8)	352 (19.9)	306 (19.4)	271 (19.5)	199 (19.3)	106 (17.8)	40 (22.6)	6 (100.0)
Disease of the Musculoskeletal System	338 (5.0)	206 (5.4)	166 (6.1)	112 (5.7)	82 (4.6)	100 (6.3)	108 (7.8)	99 (9.6)	52 (8.8)	11 (6.2)	0 (0.0)
Congenital anomalies	3 (0.0)	1 (0.0)	1 (0.0)	1 (0.1)	3 (0.2)	4 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Symptoms and Ill-defined conditions	177 (2.6)	86 (2.3)	52 (1.9)	35 (1.8)	29 (1.6)	28 (1.8)	23 (1.7)	17 (1.6)	7 (1.2)	2 (1.1)	0 (0.0)
Injuries and Poisonings	258 (3.8)	182 (4.8)	152 (5.6)	85 (4.3)	87 (4.9)	88 (5.6)	89 (6.4)	66 (6.4)	37 (6.2)	9 (5.1)	0 (0.0)
Other, Unclassified	683 (10.1)	355 (9.3)	279 (10.3)	205 (10.5)	168 (9.5)	100 (6.3)	93 (6.7)	56 (5.4)	20 (3.4)	5 (2.8)	0 (0.0)
Inpatient Rehab Services	311 (4.6)	81 (2.1)	31 (1.1)	28 (1.4)	24 (1.4)	27 (1.7)	33 (2.4)	33 (3.2)	11 (1.9)	4 (2.3)	0 (0.0)
Total rehospitalization episodes	6,749	3,799	2,719	1,957	1,767	1,577	1,393	1,031	594	177	6
Total participants	4,099	2,409	1,737	1,264	1,136	1,012	872	644	384	111	1

Footnote 1: Total rehospitalization episodes include each episode of rehospitalization (up to 8) per participant.

Footnote 2: Form IIs entered into the database since March 1, 2001.

Footnote 3: Those with no/unknown rehospitalizations are excluded.

Table 131. Depression Diagnosis Prior to Injury

	Depression Diagnosis				
n (%)	No	Yes	Declined	Unkn	Total
Total	7,810 (83.5)	1,381 (14.8)	29 (0.3)	129 (1.4)	9,349

Footnote 1: Data was required for all Admissions to System since October 1, 2011.

Footnote 2: Participants must be at least 18 years old.

Table 132. PHQ at Initial Rehabilitation – Major Depressive Syndrome

	Major Depressive Syndrome					
n (%)	No depressive syndrome	Major depressive syndrome	Other depressive syndrome	Declined	Unkn/not done/under 18	Total
Total	4,648 (82.0)	230 (4.1)	394 (7.0)	101 (1.8)	296 (5.2)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 133. PHQ at Initial Rehabilitation – Severity of Depression Score

	Severity of Depression Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	5,260	4.2	4.2	0	27

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: PHQ score ranges from 0 to 27.

Footnote 3: Participants must be at least 18 years old.

Table 134. Major Depressive Syndrome by Post-Injury Year

	Post Injury Year										
Depressive Syndrome n (%)	1	5	10	15	20	25	30	35	40	45	50
No Depressive Syndrome	6,766 (51.9)	4,988 (56.4)	3,675 (55.6)	2,973 (58.0)	2,591 (58.8)	2,525 (63.1)	1,697 (52.4)	1,073 (47.1)	797 (61.8)	304 (81.7)	10 (83.3)
Major Depressive Syndrome	952 (7.3)	517 (5.8)	377 (5.7)	258 (5.0)	201 (4.6)	192 (4.8)	128 (4.0)	78 (3.4)	68 (5.3)	19 (5.1)	0 (0.0)
Other Depressive Syndrome	900 (6.9)	531 (6.0)	378 (5.7)	267 (5.2)	219 (5.0)	230 (5.7)	205 (6.3)	111 (4.9)	89 (6.9)	22 (5.9)	2 (16.7)
Decline	143 (1.1)	118 (1.3)	88 (1.3)	81 (1.6)	55 (1.2)	39 (1.0)	28 (0.9)	36 (1.6)	27 (2.1)	8 (2.2)	0 (0.0)
Unknown/Interview Not Done/Under18	4,274 (32.8)	2,684 (30.4)	2,096 (31.7)	1,543 (30.1)	1,340 (30.4)	1,018 (25.4)	1,182 (36.5)	978 (43.0)	308 (23.9)	19 (5.1)	0 (0.0)
Total	13,035	8,838	6,614	5,122	4,406	4,004	3,240	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since March 1, 2001.

Footnote 2: PHQ-9 was not collected between 2011 and 2016.

Table 135. PHQ-9 Severity of Depression Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	6.7 (8,741)	6.4 (6,139)	6.3 (4,505)	6.2 (3,575)	5.6 (3,059)	5.3 (2,978)	5.6 (2,055)	6.6 (1,296)	6.7 (978)	6.3 (352)	3.2 (12)

Footnote 1: Form IIs entered into the database since March 1, 2001.

Footnote 2: Total ranges from 0 to 27.

Footnote 3: PHQ-9 was not collected between 2011 and 2016.

Table 136. Sleep Problems Occurrence in the Last 12 Months by Post-Injury Year

Sleep problems n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
Never or less than monthly	1,594 (37.7)	1,149 (35.8)	844 (35.2)	735 (38.1)	523 (36.2)	473 (39.2)	355 (37.8)	418 (38.6)	371 (36.3)	135 (36.3)	3 (25.0)
Monthly (3 days a month or less)	577 (13.7)	463 (14.4)	345 (14.4)	248 (12.8)	238 (16.5)	158 (13.1)	122 (13.0)	121 (11.2)	150 (14.7)	58 (15.6)	2 (16.7)
Weekly (1 to 4 days a week)	734 (17.4)	590 (18.4)	474 (19.8)	340 (17.6)	254 (17.6)	214 (17.7)	183 (19.5)	218 (20.1)	207 (20.2)	72 (19.4)	4 (33.3)
Daily or almost daily (5 to 7 days a week)	997 (23.6)	773 (24.1)	576 (24.0)	458 (23.7)	339 (23.4)	296 (24.5)	236 (25.2)	279 (25.8)	255 (24.9)	96 (25.8)	3 (25.0)
Unknown, Interview not done	324 (7.7)	238 (7.4)	158 (6.6)	149 (7.7)	92 (6.4)	67 (5.5)	42 (4.5)	47 (4.3)	40 (3.9)	11 (3.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 137. Anxiety Diagnosis Prior to Injury

n (%)	Anxiety Diagnosis							
	No	Post-traumatic stress disorder	Panic disorder	Generalized anxiety disorder	Multiple diagnoses, first diagnosis unk	Declined	Unkn	Total
Total	8,047 (86.1)	318 (3.4)	46 (0.5)	670 (7.2)	110 (1.2)	28 (0.3)	130 (1.4)	9,349

Footnote 1: Data were required for all Admissions to System since October 1, 2011.

Footnote 2: If more than 1 disorder, the first diagnosis was coded.

Table 138. Severity of Pain Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	4.3 (11,821)	4.4 (8,230)	4.5 (6,194)	4.5 (4,772)	4.3 (4,141)	4.3 (3,819)	4.3 (3,137)	4.3 (2,201)	4.2 (1,224)	3.9 (348)	4.4 (12)

Footnote 1: Form IIs entered into the database since March 1, 2001.

Footnote 2: Total ranges from 0 to 10.

Table 139. Pain Interfering with Work by Post Injury Year

	Post Injury Year										
Pain Interference n (%)	1	5	10	15	20	25	30	35	40	45	50
Not at All	2,592 (17.7)	1,848 (18.9)	1,538 (21.4)	1,372 (23.4)	1,235 (25.1)	1,129 (27.1)	863 (26.6)	578 (25.4)	314 (24.4)	87 (23.4)	4 (33.3)
A little bit	3,152 (21.5)	2,147 (22.0)	1,552 (21.6)	1,251 (21.3)	1,053 (21.4)	842 (20.2)	656 (20.2)	494 (21.7)	277 (21.5)	100 (26.9)	2 (16.7)
Moderately	2,179 (14.9)	1,573 (16.1)	1,108 (15.4)	872 (14.9)	726 (14.8)	646 (15.5)	537 (16.6)	384 (16.9)	216 (16.8)	65 (17.5)	2 (16.7)
Quite a bit	1,890 (12.9)	1,275 (13.1)	979 (13.6)	750 (12.8)	562 (11.4)	492 (11.8)	408 (12.6)	296 (13.0)	154 (11.9)	35 (9.4)	1 (8.3)
Extremely	990 (6.8)	714 (7.3)	482 (6.7)	365 (6.2)	299 (6.1)	234 (5.6)	162 (5.0)	124 (5.4)	75 (5.8)	16 (4.3)	1 (8.3)
Don't Know	27 (0.2)	14 (0.1)	8 (0.1)	11 (0.2)	9 (0.2)	3 (0.1)	4 (0.1)	1 (0.0)	3 (0.2)	0 (0.0)	0 (0.0)
Refuses	114 (0.8)	61 (0.6)	53 (0.7)	65 (1.1)	31 (0.6)	21 (0.5)	5 (0.2)	7 (0.3)	4 (0.3)	1 (0.3)	0 (0.0)
N/A, No Pain	1,941 (13.3)	1,260 (12.9)	905 (12.6)	720 (12.3)	676 (13.8)	632 (15.2)	504 (15.6)	327 (14.4)	192 (14.9)	51 (13.7)	2 (16.7)
Unknown/Not Done/Under 18	1,743 (11.9)	869 (8.9)	574 (8.0)	465 (7.9)	323 (6.6)	171 (4.1)	101 (3.1)	65 (2.9)	54 (4.2)	17 (4.6)	0 (0.0)
Total	14,628	9,761	7,199	5,871	4,914	4,170	3,240	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 1998.

Table 140. Falls in the Last 12 Months by Post-Injury Year

	Post-Injury Year										
Fall n (%)	1	5	10	15	20	25	30	35	40	45	50
None	1,908 (45.1)	1,656 (51.5)	1,257 (52.4)	1,016 (52.6)	772 (53.4)	671 (55.5)	530 (56.5)	640 (59.1)	590 (57.7)	223 (59.9)	9 (75.0)
1 to 2 times	1,093 (25.9)	714 (22.2)	528 (22.0)	423 (21.9)	321 (22.2)	292 (24.2)	197 (21.0)	224 (20.7)	219 (21.4)	73 (19.6)	2 (16.7)
3 to 5 times	581 (13.7)	344 (10.7)	239 (10.0)	177 (9.2)	135 (9.3)	90 (7.5)	86 (9.2)	90 (8.3)	87 (8.5)	29 (7.8)	1 (8.3)
More than 5 times	359 (8.5)	286 (8.9)	216 (9.0)	171 (8.9)	127 (8.8)	91 (7.5)	81 (8.6)	82 (7.6)	90 (8.8)	35 (9.4)	0 (0.0)
Unknown, Interview not done	285 (6.7)	213 (6.6)	157 (6.5)	143 (7.4)	91 (6.3)	64 (5.3)	44 (4.7)	47 (4.3)	37 (3.6)	12 (3.2)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 141. Self-Perceived Health Status by Post-Injury Year

Self-Perceived Health n (%)	Post Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
Excellent	1,511 (9.6)	1,236 (11.8)	858 (11.2)	727 (11.6)	645 (12.4)	522 (12.5)	396 (12.2)	241 (10.6)	123 (9.5)	26 (7.0)	1 (8.3)
Very Good	3,518 (22.4)	2,553 (24.4)	1,961 (25.5)	1,657 (26.4)	1,402 (27.0)	1,163 (27.9)	896 (27.7)	587 (25.8)	350 (27.2)	101 (27.2)	6 (50.0)
Good	5,092 (32.4)	3,504 (33.4)	2,584 (33.6)	2,180 (34.7)	1,788 (34.4)	1,474 (35.3)	1,121 (34.6)	812 (35.7)	449 (34.8)	135 (36.3)	4 (33.3)
Fair	2,748 (17.5)	1,799 (17.2)	1,344 (17.5)	1,011 (16.1)	873 (16.8)	690 (16.5)	554 (17.1)	448 (19.7)	247 (19.2)	79 (21.2)	1 (8.3)
Poor	852 (5.4)	479 (4.6)	343 (4.5)	225 (3.6)	194 (3.7)	147 (3.5)	170 (5.2)	131 (5.8)	71 (5.5)	18 (4.8)	0 (0.0)
Don't Know	39 (0.2)	28 (0.3)	14 (0.2)	13 (0.2)	8 (0.2)	4 (0.1)	6 (0.2)	0 (0.0)	6 (0.5)	0 (0.0)	0 (0.0)
Refuses	120 (0.8)	68 (0.6)	51 (0.7)	67 (1.1)	28 (0.5)	22 (0.5)	3 (0.1)	5 (0.2)	1 (0.1)	1 (0.3)	0 (0.0)
Unknown/Not Done/Under 18	1,825 (11.6)	817 (7.8)	534 (6.9)	395 (6.3)	254 (4.9)	148 (3.5)	94 (2.9)	52 (2.3)	42 (3.3)	12 (3.2)	0 (0.0)
Total	15,705	10,484	7,689	6,275	5,192	4,170	3,240	2,276	1,289	372	12

Footnote 1: Form IIs entered to the database since January 1, 1996.

Table 142. 'Compared to one year ago, how would you rate your Health?' by Post Injury Year

Self-Perceived Health n (%)	Post Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
Much Better	4,794 (32.8)	1,210 (12.4)	659 (9.2)	543 (9.2)	462 (9.4)	390 (9.4)	337 (10.4)	242 (10.6)	151 (11.7)	40 (10.8)	0 (0.0)
Somewhat Better	3,567 (24.4)	1,827 (18.7)	1,041 (14.5)	708 (12.1)	603 (12.3)	509 (12.2)	415 (12.8)	274 (12.0)	179 (13.9)	58 (15.6)	3 (25.0)
About the Same	2,764 (18.9)	4,593 (47.1)	3,806 (52.9)	3,220 (54.8)	2,670 (54.3)	2,325 (55.8)	1,736 (53.6)	1,135 (49.9)	599 (46.5)	164 (44.1)	8 (66.7)
Somewhat Worse	1,091 (7.5)	1,017 (10.4)	942 (13.1)	736 (12.5)	695 (14.1)	639 (15.3)	537 (16.6)	458 (20.1)	251 (19.5)	82 (22.0)	1 (8.3)
Much Worse	544 (3.7)	214 (2.2)	170 (2.4)	158 (2.7)	149 (3.0)	117 (2.8)	110 (3.4)	97 (4.3)	53 (4.1)	12 (3.2)	0 (0.0)
Don't Know	20 (0.1)	20 (0.2)	12 (0.2)	9 (0.2)	8 (0.2)	5 (0.1)	4 (0.1)	4 (0.2)	3 (0.2)	2 (0.5)	0 (0.0)
Refuses	126 (0.9)	72 (0.7)	59 (0.8)	73 (1.2)	39 (0.8)	28 (0.7)	4 (0.1)	8 (0.4)	3 (0.2)	1 (0.3)	0 (0.0)
Unknown/Not Done/Under 18	1,722 (11.8)	808 (8.3)	510 (7.1)	424 (7.2)	288 (5.9)	157 (3.8)	97 (3.0)	58 (2.5)	50 (3.9)	13 (3.5)	0 (0.0)
Total	14,628	9,761	7,199	5,871	4,914	4,170	3,240	2,276	1,289	372	12

Footnote 1: Form IIs entered to the database since January 1, 1998.

Table 143. Alcohol Use Disorder by Prior to Injury

	Alcohol Use Disorder		
n (%)	Yes	No	Total
Total	3,535 (40.1)	5,281 (59.9)	8,816

Footnote 1: Data was required for all Admissions to System since October 1, 2011.

Footnote 2: The Alcohol Use Disorders Identification Test-Concise, (3-item alcohol screening instrument; scale of 0 to 12). Alcohol use disorder threshold is met for men with scores of 4+ and women with scores 3+.

Table 144. Alcohol Use Disorder by Post-Injury Year

	Post-Injury Year										
Alcohol Use n (%)	1	5	10	15	20	25	30	35	40	45	50
Yes	1,313 (24.9)	1,180 (30.2)	877 (29.7)	667 (29.8)	543 (29.5)	466 (30.3)	443 (28.7)	486 (31.6)	277 (28.7)	75 (27.2)	3 (33.3)
No	3,958 (75.1)	2,729 (69.8)	2,080 (70.3)	1,569 (70.2)	1,300 (70.5)	1,074 (69.7)	1,102 (71.3)	1,051 (68.4)	688 (71.3)	201 (72.8)	6 (66.7)
Total	5,271	3,909	2,957	2,236	1,843	1,540	1,545	1,537	965	276	9

Footnote 1: Data was required for all Admissions to System since October 1, 2011.

Footnote 2: The Alcohol Use Disorders Identification Test-Concise, (3-item alcohol screening instrument; scale of 0 to 12). Alcohol use disorder threshold is met for men with scores of 4+ and women with scores 3+.

Table 145. Substance Abuse in the 3 Months Prior to Injury – Tobacco

	Tobacco							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	3,602 (63.5)	168 (3.0)	103 (1.8)	175 (3.1)	1,362 (24.0)	26 (0.5)	233 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 146. Substance Abuse in the Last 3 Months by Post-Injury Year –Tobacco

	Post-Injury Year										
Tobacco n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,096 (73.3)	2,301 (71.6)	1,661 (69.3)	1,331 (69.0)	1,031 (71.3)	878 (72.7)	693 (73.9)	852 (78.7)	843 (82.4)	311 (83.6)	11 (91.7)
Once or twice in last 3 months	97 (2.3)	75 (2.3)	67 (2.8)	42 (2.2)	36 (2.5)	27 (2.2)	21 (2.2)	23 (2.1)	20 (2.0)	4 (1.1)	1 (8.3)
Monthly	45 (1.1)	42 (1.3)	28 (1.2)	22 (1.1)	15 (1.0)	13 (1.1)	5 (0.5)	11 (1.0)	5 (0.5)	0 (0.0)	0 (0.0)
Weekly	98 (2.3)	63 (2.0)	54 (2.3)	46 (2.4)	30 (2.1)	21 (1.7)	16 (1.7)	10 (0.9)	12 (1.2)	4 (1.1)	0 (0.0)
Daily or almost daily	558 (13.2)	515 (16.0)	412 (17.2)	341 (17.7)	230 (15.9)	197 (16.3)	152 (16.2)	136 (12.6)	108 (10.6)	35 (9.4)	0 (0.0)
Declined	33 (0.8)	20 (0.6)	26 (1.1)	21 (1.1)	20 (1.4)	4 (0.3)	1 (0.1)	5 (0.5)	0 (0.0)	3 (0.8)	0 (0.0)
Unkn	299 (7.1)	197 (6.1)	149 (6.2)	127 (6.6)	84 (5.8)	68 (5.6)	50 (5.3)	46 (4.2)	35 (3.4)	15 (4.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 147. Substance Abuse in the 3 Months Prior to Injury – Cannabis

	Cannabis							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	3,774 (66.6)	253 (4.5)	170 (3.0)	343 (6.1)	866 (15.3)	31 (0.5)	232 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 148. Substance Abuse in the Last 3 Months by Post-Injury Year – Cannabis

	Post-Injury Year										
Cannabis n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	2,710 (64.1)	2,007 (62.5)	1,576 (65.7)	1,302 (67.5)	976 (67.5)	838 (69.4)	679 (72.4)	848 (78.3)	757 (74.0)	281 (75.5)	11 (91.7)
Once or twice in last 3 months	168 (4.0)	134 (4.2)	89 (3.7)	87 (4.5)	64 (4.4)	39 (3.2)	47 (5.0)	30 (2.8)	40 (3.9)	18 (4.8)	0 (0.0)
Monthly	125 (3.0)	102 (3.2)	48 (2.0)	46 (2.4)	37 (2.6)	27 (2.2)	14 (1.5)	14 (1.3)	17 (1.7)	6 (1.6)	1 (8.3)
Weekly	230 (5.4)	164 (5.1)	126 (5.3)	100 (5.2)	63 (4.4)	73 (6.0)	36 (3.8)	40 (3.7)	48 (4.7)	13 (3.5)	0 (0.0)
Daily or almost daily	623 (14.7)	559 (17.4)	361 (15.1)	234 (12.1)	193 (13.3)	152 (12.6)	106 (11.3)	97 (9.0)	119 (11.6)	35 (9.4)	0 (0.0)
Declined	39 (0.9)	25 (0.8)	29 (1.2)	28 (1.5)	21 (1.5)	6 (0.5)	2 (0.2)	7 (0.6)	5 (0.5)	4 (1.1)	0 (0.0)
Unkn	331 (7.8)	222 (6.9)	168 (7.0)	133 (6.9)	92 (6.4)	73 (6.0)	54 (5.8)	47 (4.3)	37 (3.6)	15 (4.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 149. Substance Abuse in the 3 Months Prior to Injury – Cocaine

	Cocaine							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,214 (92.0)	75 (1.3)	65 (1.1)	38 (0.7)	20 (0.4)	25 (0.4)	232 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 150. Substance Abuse in the Last 3 Months by Post-Injury Year – Cocaine

	Post-Injury Year										
Cocaine n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,815 (90.3)	2,929 (91.2)	2,181 (91.0)	1,752 (90.8)	1,323 (91.5)	1,124 (93.0)	878 (93.6)	1,028 (94.9)	981 (95.9)	353 (94.9)	12 (100.0)
Once or twice in last 3 months	18 (0.4)	22 (0.7)	19 (0.8)	16 (0.8)	8 (0.6)	4 (0.3)	3 (0.3)	1 (0.1)	2 (0.2)	1 (0.3)	0 (0.0)
Monthly	10 (0.2)	11 (0.3)	2 (0.1)	3 (0.2)	4 (0.3)	1 (0.1)	1 (0.1)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)
Weekly	4 (0.1)	2 (0.1)	1 (0.0)	1 (0.1)	0 (0.0)	1 (0.1)	3 (0.3)	1 (0.1)	2 (0.2)	0 (0.0)	0 (0.0)
Daily or almost daily	2 (0.0)	1 (0.0)	1 (0.0)	1 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Declined	36 (0.9)	22 (0.7)	23 (1.0)	22 (1.1)	19 (1.3)	4 (0.3)	0 (0.0)	5 (0.5)	1 (0.1)	3 (0.8)	0 (0.0)
Unkn	341 (8.1)	226 (7.0)	170 (7.1)	135 (7.0)	91 (6.3)	74 (6.1)	53 (5.7)	46 (4.2)	37 (3.6)	15 (4.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 151. Substance Abuse in the 3 Months Prior to Injury – Amphetamine-type

	Amphetamine-type							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,279 (93.1)	48 (0.8)	18 (0.3)	26 (0.5)	40 (0.7)	25 (0.4)	233 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 152. Substance Abuse in the Last 3 Months by Post-Injury Year – Amphetamine-type

	Post-Injury Year										
Amphetamine-type n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,828 (90.6)	2,942 (91.6)	2,188 (91.3)	1,761 (91.2)	1,321 (91.4)	1,120 (92.7)	880 (93.8)	1,029 (95.0)	981 (95.9)	351 (94.4)	12 (100.0)
Once or twice in last 3 months	8 (0.2)	9 (0.3)	9 (0.4)	6 (0.3)	9 (0.6)	3 (0.2)	1 (0.1)	2 (0.2)	3 (0.3)	0 (0.0)	0 (0.0)
Monthly	5 (0.1)	7 (0.2)	2 (0.1)	2 (0.1)	1 (0.1)	2 (0.2)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Weekly	1 (0.0)	2 (0.1)	1 (0.0)	3 (0.2)	1 (0.1)	3 (0.2)	0 (0.0)	1 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)
Daily or almost daily	5 (0.1)	5 (0.2)	4 (0.2)	0 (0.0)	3 (0.2)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.5)	0 (0.0)
Declined	36 (0.9)	22 (0.7)	24 (1.0)	22 (1.1)	20 (1.4)	4 (0.3)	1 (0.1)	5 (0.5)	2 (0.2)	3 (0.8)	0 (0.0)
Unkn	343 (8.1)	226 (7.0)	169 (7.1)	136 (7.0)	91 (6.3)	74 (6.1)	54 (5.8)	46 (4.2)	36 (3.5)	16 (4.3)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 153. Substance Abuse in the 3 Months Prior to Injury – Inhalants

	Inhalants							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,393 (95.1)	10 (0.2)	2 (0.0)	3 (0.1)	3 (0.1)	24 (0.4)	234 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 154. Substance Abuse in the Last 3 Months by Post-Injury Year – Inhalants

	Post-Injury Year										
Inhalants n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,842 (90.9)	2,959 (92.1)	2,201 (91.8)	1,768 (91.6)	1,332 (92.1)	1,127 (93.3)	881 (93.9)	1,031 (95.2)	985 (96.3)	353 (94.9)	12 (100.0)
Once or twice in last 3 months	4 (0.1)	4 (0.1)	1 (0.0)	3 (0.2)	3 (0.2)	1 (0.1)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
Monthly	1 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Weekly	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Daily or almost daily	3 (0.1)	1 (0.0)	0 (0.0)	0 (0.0)	2 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Declined	34 (0.8)	22 (0.7)	23 (1.0)	22 (1.1)	19 (1.3)	4 (0.3)	0 (0.0)	5 (0.5)	0 (0.0)	3 (0.8)	0 (0.0)
Unkn	342 (8.1)	226 (7.0)	171 (7.1)	137 (7.1)	90 (6.2)	76 (6.3)	55 (5.9)	47 (4.3)	37 (3.6)	16 (4.3)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 155. Substance Abuse in the 3 Months Prior to Injury – Sedatives/Sleeping

	Sedatives/Sleeping							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,334 (94.1)	24 (0.4)	19 (0.3)	19 (0.3)	18 (0.3)	24 (0.4)	231 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 156. Substance Abuse in the Last 3 Months by Post-Injury Year – Sedatives/Sleeping

	Post-Injury Year										
Sedatives/Sleeping n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,642 (86.2)	2,754 (85.7)	2,081 (86.8)	1,675 (86.8)	1,251 (86.5)	1,056 (87.4)	832 (88.7)	975 (90.0)	952 (93.1)	336 (90.3)	12 (100.0)
Once or twice in last 3 months	21 (0.5)	36 (1.1)	19 (0.8)	21 (1.1)	10 (0.7)	11 (0.9)	4 (0.4)	11 (1.0)	10 (1.0)	5 (1.3)	0 (0.0)
Monthly	13 (0.3)	15 (0.5)	6 (0.3)	7 (0.4)	8 (0.6)	4 (0.3)	5 (0.5)	5 (0.5)	3 (0.3)	2 (0.5)	0 (0.0)
Weekly	41 (1.0)	34 (1.1)	15 (0.6)	17 (0.9)	12 (0.8)	17 (1.4)	6 (0.6)	13 (1.2)	4 (0.4)	1 (0.3)	0 (0.0)
Daily or almost daily	129 (3.1)	126 (3.9)	84 (3.5)	52 (2.7)	53 (3.7)	42 (3.5)	37 (3.9)	26 (2.4)	14 (1.4)	9 (2.4)	0 (0.0)
Declined	35 (0.8)	21 (0.7)	23 (1.0)	22 (1.1)	20 (1.4)	4 (0.3)	0 (0.0)	6 (0.6)	1 (0.1)	3 (0.8)	0 (0.0)
Unkn	345 (8.2)	227 (7.1)	169 (7.1)	136 (7.0)	92 (6.4)	74 (6.1)	54 (5.8)	47 (4.3)	39 (3.8)	16 (4.3)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 157. Substance Abuse in the 3 Months Prior to Injury– Hallucinogens

	Hallucinogens							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,292 (93.3)	75 (1.3)	30 (0.5)	8 (0.1)	5 (0.1)	24 (0.4)	235 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 158. Substance Abuse in the Last 3 Months by Post-Injury Year – Hallucinogens

	Post-Injury Year										
Hallucinogens n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,804 (90.0)	2,924 (91.0)	2,172 (90.6)	1,750 (90.7)	1,326 (91.7)	1,124 (93.0)	882 (94.0)	1,030 (95.1)	978 (95.6)	352 (94.6)	12 (100.0)
Once or twice in last 3 months	33 (0.8)	30 (0.9)	25 (1.0)	11 (0.6)	4 (0.3)	4 (0.3)	2 (0.2)	1 (0.1)	6 (0.6)	0 (0.0)	0 (0.0)
Monthly	6 (0.1)	5 (0.2)	4 (0.2)	8 (0.4)	4 (0.3)	3 (0.2)	1 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)
Weekly	3 (0.1)	5 (0.2)	2 (0.1)	3 (0.2)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	1 (0.3)	0 (0.0)
Daily or almost daily	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Declined	34 (0.8)	23 (0.7)	23 (1.0)	22 (1.1)	19 (1.3)	4 (0.3)	0 (0.0)	5 (0.5)	0 (0.0)	3 (0.8)	0 (0.0)
Unkn	345 (8.2)	226 (7.0)	171 (7.1)	136 (7.0)	91 (6.3)	73 (6.0)	53 (5.7)	46 (4.2)	38 (3.7)	16 (4.3)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 159. Substance Abuse in the 3 Months Prior to Injury – Opioids

	Opioids							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,319 (93.8)	20 (0.4)	13 (0.2)	16 (0.3)	43 (0.8)	25 (0.4)	233 (4.1)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 160. Substance Abuse in the Last 3 Months by Post-Injury Year – Opioids

	Post-Injury Year										
Opioids n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,745 (88.6)	2,843 (88.5)	2,116 (88.3)	1,699 (88.0)	1,264 (87.4)	1,091 (90.3)	858 (91.5)	1,018 (94.0)	968 (94.6)	346 (93.0)	12 (100.0)
Once or twice in last 3 months	13 (0.3)	29 (0.9)	14 (0.6)	9 (0.5)	11 (0.8)	9 (0.7)	4 (0.4)	1 (0.1)	4 (0.4)	1 (0.3)	0 (0.0)
Monthly	7 (0.2)	3 (0.1)	6 (0.3)	2 (0.1)	4 (0.3)	0 (0.0)	2 (0.2)	0 (0.0)	2 (0.2)	1 (0.3)	0 (0.0)
Weekly	4 (0.1)	7 (0.2)	6 (0.3)	6 (0.3)	6 (0.4)	1 (0.1)	2 (0.2)	0 (0.0)	2 (0.2)	0 (0.0)	0 (0.0)
Daily or almost daily	80 (1.9)	85 (2.6)	60 (2.5)	54 (2.8)	46 (3.2)	30 (2.5)	19 (2.0)	12 (1.1)	8 (0.8)	6 (1.6)	0 (0.0)
Declined	35 (0.8)	22 (0.7)	25 (1.0)	23 (1.2)	21 (1.5)	4 (0.3)	0 (0.0)	5 (0.5)	2 (0.2)	3 (0.8)	0 (0.0)
Unkn	342 (8.1)	224 (7.0)	170 (7.1)	137 (7.1)	94 (6.5)	73 (6.0)	53 (5.7)	47 (4.3)	37 (3.6)	15 (4.0)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Participants must be at least 18 years old.

Table 161. Substance Abuse in the 3 Months Prior to Injury – Other

	Other							
n (%)	Never	Once or twice	Monthly	Weekly	Daily or almost daily	Declined	Unkn	Total
Total	5,363 (94.6)	9 (0.2)	4 (0.1)	4 (0.1)	10 (0.2)	25 (0.4)	254 (4.5)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Other (GHB, bath salts, etc. Exclude Alcohol).

Footnote 3: Participants must be at least 18 years old.

Table 162. Substance Abuse in the Last 3 Months by Post-Injury Year – Other

	Post-Injury Year										
Other n (%)	1	5	10	15	20	25	30	35	40	45	50
Never	3,823 (90.5)	2,911 (90.6)	2,174 (90.7)	1,744 (90.4)	1,308 (90.5)	1,110 (91.9)	868 (92.5)	1,013 (93.5)	952 (93.1)	336 (90.3)	12 (100.0)
Once or twice in last 3 months	2 (0.0)	2 (0.1)	0 (0.0)	3 (0.2)	2 (0.1)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Monthly	0 (0.0)	2 (0.1)	1 (0.0)	1 (0.1)	1 (0.1)	0 (0.0)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Weekly	1 (0.0)	3 (0.1)	2 (0.1)	2 (0.1)	1 (0.1)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Daily or almost daily	4 (0.1)	11 (0.3)	6 (0.3)	3 (0.2)	2 (0.1)	1 (0.1)	2 (0.2)	2 (0.2)	4 (0.4)	1 (0.3)	0 (0.0)
Declined	35 (0.8)	30 (0.9)	27 (1.1)	25 (1.3)	21 (1.5)	6 (0.5)	1 (0.1)	7 (0.6)	5 (0.5)	5 (1.3)	0 (0.0)
Unkn	361 (8.5)	254 (7.9)	187 (7.8)	152 (7.9)	111 (7.7)	87 (7.2)	65 (6.9)	61 (5.6)	62 (6.1)	30 (8.1)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Other (GHB, bath salts, etc. Excludes Alcohol).

Footnote 3: Participants must be at least 18 years old.

Table 163. Satisfaction With Life Scale - Total Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	15.8 (13,437)	17.3 (9,391)	17.9 (6,962)	18.5 (5,707)	18.9 (4,796)	19.2 (3,958)	19.4 (3,114)	19.6 (2,185)	20.1 (1,225)	20.0 (351)	24.2 (12)

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: Total score is based on 4 items, ranging from 4 to 28.

Table 164. SCI QoL Resilience T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	50.9 (3,777)	51.6 (2,905)	51.5 (2,157)	52.4 (1,740)	52.6 (1,303)	52.6 (1,109)	52.8 (866)	53.2 (1,008)	52.6 (950)	51.9 (350)	56.3 (12)

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old

Table 165. CHART Physical Independence Subscale Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	71.9 (13,932)	77.1 (9,656)	78.3 (7,126)	81.1 (5,809)	83.0 (4,910)	82.7 (3,997)	84.2 (3,146)	85.8 (2,194)	86.3 (1,229)	86.9 (345)	93.7 (12)

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: Total ranges from 0 to 100.

Table 166. CHART Mobility Subscale Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	72.7 (13,821)	76.7 (9,590)	77.0 (7,087)	77.8 (5,793)	77.7 (4,897)	77.4 (3,976)	75.5 (3,136)	74.5 (2,186)	73.1 (1,206)	69.8 (350)	73.3 (12)

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: Total ranges from 0 to 100.

Table 167. CHART Occupational Status Subscale Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	49.0 (13,698)	57.8 (9,528)	59.0 (7,071)	61.3 (5,756)	62.3 (4,864)	63.7 (3,968)	62.1 (3,111)	59.3 (2,186)	56.5 (1,226)	53.2 (352)	70.1 (12)

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: Total ranges from 0 to 100.

Table 168. CHART Social Integration Subscale Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	86.5 (13,615)	86.2 (9,459)	85.7 (7,056)	86.3 (5,749)	86.3 (4,846)	86.4 (3,941)	85.7 (3,106)	85.9 (2,181)	85.0 (1,220)	86.6 (347)	95.2 (12)

Footnote 1: Form IIs entered into the database since January 1, 1996.

Footnote 2: Total ranges from 0 to 100.

Table 169. SCI– FI AT Interview Method at Initial Rehabilitation

	Interview Method				
n (%)	NSCISC Web	Desktop	Short Forms	Interview Not Done, Age < 18, No System rehab admit	Total
Total	10 (0.2)	314 (5.5)	5,003 (88.3)	342 (6.0)	5,669

Footnote 1: Form Is admitted to the System since January 1, 2016.

Table 170. SCI– FI AT Interview Method by Post-Injury Year

	Post-Injury Year										
Interview Method n (%)	1	5	10	15	20	25	30	35	40	45	50
NSCISC Web	118 (2.8)	61 (1.9)	86 (3.6)	46 (2.4)	38 (2.6)	27 (2.2)	12 (1.3)	10 (0.9)	11 (1.1)	3 (0.8)	0 (0.0)
Desktop	314 (7.4)	318 (9.9)	234 (9.8)	220 (11.4)	138 (9.5)	83 (6.9)	58 (6.2)	70 (6.5)	63 (6.2)	12 (3.2)	0 (0.0)
Short Forms	3,352 (79.3)	2,527 (78.6)	1,863 (77.7)	1,489 (77.2)	1,148 (79.4)	1,009 (83.5)	817 (87.1)	945 (87.3)	900 (88.0)	341 (91.7)	12 (100.0)
Interview not done, age < 18	442 (10.5)	307 (9.6)	214 (8.9)	175 (9.1)	122 (8.4)	89 (7.4)	51 (5.4)	58 (5.4)	49 (4.8)	16 (4.3)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 171. SCI–FI Basic Mobility T Score at Initial Rehabilitation

	Basic Mobility T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	5,185	48.9	9.8	21	75

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 172. SCI–FI Basic Mobility T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	52.6 (3,718)	53.8 (2,867)	53.2 (2,152)	53.2 (1,725)	53.2 (1,305)	52.7 (1,108)	52.8 (873)	51.2 (1,016)	50.7 (968)	50.4 (351)	52.5 (12)

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 173. SCI–FI Self-Care T Score at Initial Rehabilitation

	Self-Care T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	5,121	49.3	11.5	6	70

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 174. SCI–FI Self-Care T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	54.2 (3,704)	56.0 (2,856)	56.1 (2,135)	56.7 (1,712)	57.1 (1,292)	56.9 (1,104)	57.7 (869)	56.3 (1,012)	56.1 (962)	55.8 (352)	58.7 (12)

Footnote 1: Form Is obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old.

Table 175. SCI–FI Fine Motor T Score at Initial Rehabilitation

	Fine Motor T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	5,167	47.9	12.1	18	70

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 176. SCI–FI Fine Motor T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	51.2 (3,701)	52.8 (2,858)	52.9 (2,139)	52.9 (1,710)	53.4 (1,289)	53.5 (1,102)	54.0 (870)	52.9 (1,008)	52.7 (962)	52.8 (352)	59.3 (12)

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old.

Table 177. SCI–FI Ambulation T Score at Initial Rehabilitation

	Ambulation T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	1,643	58.9	5.9	42	81

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 178. SCI–FI Ambulation T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	61.3 (1,663)	61.8 (1,242)	61.2 (826)	61.2 (604)	60.9 (416)	60.5 (277)	60.8 (195)	60.6 (191)	59.4 (193)	59.9 (62)	60.4 (4)

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old.

Table 179. SCI–FI Manual Wheelchair Mobility T Score at Initial Rehabilitation

	Manual Wheelchair Mobility T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	2,682	52.7	8.5	27	100

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 180. SCI–FI Manual Wheelchair Mobility T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	54.8 (1,588)	57.0 (1,182)	57.2 (933)	57.1 (794)	57.1 (665)	57.7 (598)	57.4 (505)	56.4 (565)	55.8 (525)	55.8 (170)	57.1 (7)

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old.

Table 181. SCI–FI Power Wheelchair Mobility T Score at Initial Rehabilitation

	Power Wheelchair Mobility T Score				
	N	Mean	Standard Deviation	Minimum	Maximum
Total	2,098	43.3	10.0	0	65

Footnote 1: Form Is admitted to the System since January 1, 2016.

Footnote 2: Score ranges from 0 to 100

Footnote 3: Participants must be at least 18 years old

Table 182. SCI–FI Power Wheelchair Mobility T Score by Post-Injury Year

	Post Injury Year										
Mean (n)	1	5	10	15	20	25	30	35	40	45	50
Total	48.7 (1,110)	49.4 (876)	50.5 (732)	46.7 (577)	50.0 (419)	46.6 (367)	54.0 (268)	46.5 (352)	47.1 (352)	48.7 (150)	50.2 (5)

Footnote 1: Form IIs obtained since October 1, 2016.

Footnote 2: Score ranges from 0 to 100.

Footnote 3: Participants must be at least 18 years old.

Table 183. Ambulation Ability-Walk for 150 Feet by Post Injury Year

	Post Injury Year										
Walk 150 Feet n (%)	1	5	10	15	20	25	30	35	40	45	50
No	6,385 (55.7)	4,681 (59.2)	3,866 (65.2)	3,138 (68.5)	2,748 (72.6)	2,737 (77.7)	2,562 (79.3)	1,823 (80.1)	1,029 (79.8)	304 (81.7)	9 (75.0)
Yes	4,420 (38.5)	2,867 (36.3)	1,837 (31.0)	1,217 (26.6)	863 (22.8)	664 (18.9)	595 (18.4)	409 (18.0)	231 (17.9)	58 (15.6)	3 (25.0)
Unknown/Not Done	665 (5.8)	355 (4.5)	225 (3.8)	223 (4.9)	172 (4.5)	121 (3.4)	73 (2.3)	44 (1.9)	29 (2.2)	10 (2.7)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 2004.

Table 184. Ambulation Ability-Walk for 1 Street Block by Post Injury Year

	Post Injury Year										
Walk 1 Street Block n (%)	1	5	10	15	20	25	30	35	40	45	50
No	6,990 (60.9)	5,055 (64.0)	4,121 (69.5)	3,304 (72.2)	2,865 (75.7)	2,810 (79.8)	2,632 (81.5)	1,882 (82.7)	1,085 (84.2)	314 (84.4)	9 (75.0)
Yes	3,800 (33.1)	2,487 (31.5)	1,580 (26.7)	1,043 (22.8)	745 (19.7)	589 (16.7)	523 (16.2)	349 (15.3)	173 (13.4)	48 (12.9)	3 (25.0)
Unknown/Not Done	680 (5.9)	361 (4.6)	227 (3.8)	231 (5.0)	173 (4.6)	123 (3.5)	75 (2.3)	45 (2.0)	31 (2.4)	10 (2.7)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 2004.

Table 185. Ambulation Ability-Walk up 1 Flight of Stairs by Post Injury Year

	Post Injury Year										
Walk 1 Flight n (%)	1	5	10	15	20	25	30	35	40	45	50
No	7,022 (61.2)	5,016 (63.5)	4,042 (68.2)	3,237 (70.7)	2,804 (74.1)	2,768 (78.6)	2,595 (80.3)	1,869 (82.1)	1,062 (82.4)	305 (82.0)	9 (75.0)
Yes	3,760 (32.8)	2,518 (31.9)	1,658 (28.0)	1,105 (24.1)	804 (21.3)	631 (17.9)	559 (17.3)	362 (15.9)	195 (15.1)	57 (15.3)	3 (25.0)
Unknown/Not Done	688 (6.0)	369 (4.7)	228 (3.8)	236 (5.2)	175 (4.6)	123 (3.5)	76 (2.4)	45 (2.0)	32 (2.5)	10 (2.7)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 2004.

Table 186. Wheelchair or Scooter Use by Post Injury Year

	Post Injury Year										
Wheelchair or Scooter Use n (%)	1	5	10	15	20	25	30	35	40	45	50
No	4,080 (35.6)	2,629 (33.3)	1,754 (29.6)	1,203 (26.3)	892 (23.6)	697 (19.8)	622 (19.3)	492 (21.6)	297 (23.0)	79 (21.2)	2 (16.7)
Yes	6,742 (58.8)	4,957 (62.7)	3,961 (66.8)	3,161 (69.0)	2,720 (71.9)	2,711 (77.0)	2,540 (78.6)	1,741 (76.5)	964 (74.8)	282 (75.8)	10 (83.3)
Unknown/Not Done	648 (5.6)	317 (4.0)	213 (3.6)	214 (4.7)	171 (4.5)	114 (3.2)	68 (2.1)	43 (1.9)	28 (2.2)	11 (3.0)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 2004.

Table 187. Type of Wheelchair or Scooter Used Most Often by Post Injury Year

Type Wheelchair Used Most n (%)	Post Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
Manual Wheelchair	3,909 (34.1)	2,718 (34.4)	2,207 (37.2)	1,855 (40.5)	1,641 (43.4)	1,652 (46.9)	1,511 (46.8)	1,023 (44.9)	535 (41.5)	150 (40.3)	7 (58.3)
Power Wheelchair	2,649 (23.1)	2,073 (26.2)	1,620 (27.3)	1,219 (26.6)	998 (26.4)	997 (28.3)	947 (29.3)	657 (28.9)	382 (29.6)	117 (31.5)	3 (25.0)
Power-Assist Wheelchair	126 (1.1)	114 (1.4)	79 (1.3)	56 (1.2)	46 (1.2)	40 (1.1)	49 (1.5)	44 (1.9)	39 (3.0)	11 (3.0)	0 (0.0)
Scooter	21 (0.2)	26 (0.3)	33 (0.6)	22 (0.5)	23 (0.6)	18 (0.5)	26 (0.8)	12 (0.5)	7 (0.5)	4 (1.1)	0 (0.0)
Hoveround*	0 (0.0)	1 (0.0)	0 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Other	5 (0.0)	7 (0.1)	3 (0.1)	1 (0.0)	2 (0.1)	0 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Non-user	4,080 (35.6)	2,629 (33.3)	1,754 (29.6)	1,203 (26.3)	892 (23.6)	697 (19.8)	622 (19.3)	492 (21.6)	297 (23.0)	79 (21.2)	2 (16.7)
Unknown/Not Done	680 (5.9)	335 (4.2)	232 (3.9)	221 (4.8)	180 (4.8)	118 (3.4)	74 (2.3)	47 (2.1)	29 (2.2)	11 (3.0)	0 (0.0)
Total	11,470	7,903	5,928	4,578	3,783	3,522	3,230	2,276	1,289	372	12

Footnote 1: Form IIs entered into the database since May 1, 2004.

Footnote 2: code was added in October 2016.*

Table 188. Primary Mode of Transportation by Post-Injury Year

Primary Mode of Transportation n (%)	Post-Injury Year										
	1	5	10	15	20	25	30	35	40	45	50
None	62 (1.5)	32 (1.0)	24 (1.0)	11 (0.6)	15 (1.0)	9 (0.7)	6 (0.6)	8 (0.7)	6 (0.6)	2 (0.5)	0 (0.0)
Private car, truck, or van	2,992 (70.8)	2,440 (75.9)	1,857 (77.5)	1,507 (78.1)	1,115 (77.1)	934 (77.3)	752 (80.2)	882 (81.4)	863 (84.4)	318 (85.5)	11 (91.7)
Public transportation	165 (3.9)	143 (4.5)	117 (4.9)	105 (5.4)	78 (5.4)	76 (6.3)	50 (5.3)	47 (4.3)	37 (3.6)	5 (1.3)	1 (8.3)
Taxicab	85 (2.0)	34 (1.1)	22 (0.9)	21 (1.1)	10 (0.7)	9 (0.7)	6 (0.6)	5 (0.5)	10 (1.0)	2 (0.5)	0 (0.0)
Special transit for people with disabilities	596 (14.1)	314 (9.8)	202 (8.4)	135 (7.0)	104 (7.2)	91 (7.5)	71 (7.6)	75 (6.9)	55 (5.4)	20 (5.4)	0 (0.0)
Personal mobility device	28 (0.7)	29 (0.9)	25 (1.0)	17 (0.9)	19 (1.3)	17 (1.4)	8 (0.9)	13 (1.2)	10 (1.0)	8 (2.2)	0 (0.0)
Other	41 (1.0)	20 (0.6)	11 (0.5)	14 (0.7)	11 (0.8)	3 (0.2)	7 (0.7)	11 (1.0)	6 (0.6)	3 (0.8)	0 (0.0)
Walk	13 (0.3)	8 (0.2)	7 (0.3)	1 (0.1)	6 (0.4)	3 (0.2)	0 (0.0)	0 (0.0)	1 (0.1)	1 (0.3)	0 (0.0)
Unknown, Interview not done	244 (5.8)	193 (6.0)	132 (5.5)	119 (6.2)	88 (6.1)	66 (5.5)	38 (4.1)	42 (3.9)	35 (3.4)	13 (3.5)	0 (0.0)
Total	4,226	3,213	2,397	1,930	1,446	1,208	938	1,083	1,023	372	12

Footnote 1: Form IIs obtained since October 1, 2016.

Table 189. CARE Self-Care Total (Mean) at Rehabilitation Admission and Discharge

	CARE Self-Care Total	
Mean (n)	Rehab Admit	Rehab Discharge
Total	14.0 (5,184)	28.2 (5,129)

Footnote 1: Form Is admitted to the System since October 1, 2016.

Footnote 2: The total score is calculated based on CMS guidelines.

Table 190. CARE Mobility Total (Mean) at Rehabilitation Admission and Discharge

	CARE Mobility Total	
Mean (n)	Rehab Admit	Rehab Discharge
Total	23.2 (5,098)	52.0 (5,063)

Footnote 2: The total score is calculated based on CMS guideline.

Footnote 3: Form Is admitted to the System since October 1, 2016.

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