

Data dictionary for spinal cord injury database

4th ed

Date July 2023

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We bring consumers, clinicians and healthcare managers together to support the design, assessment and implementation of clinical innovations across the NSW (New South Wales) public health system to change the way that care is delivered.

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Background

Purpose of data dictionary

A data dictionary provides detailed information about the contents of a dataset or database, such as the names of measured variables, their data types or formats, and text descriptions. It provides a concise guide to understanding and using the data.

Introduction

The NSW State Spinal Cord Injury Service (SSCIS) was created in 2003 to coordinate and provide clinical leadership in spinal cord medicine in NSW. A key objective of the SSCIS is the development and implementation of Spinal Cord Injury Database (SCID).

SCID is a centralised and integrated single sequel server system. It currently contains surveillance information on approximately 4,000-4,500 patients. This information provides the foundation for a statewide system of data collection for spinal cord injuries.

SCID is a modular system with an acute, rehabilitation and readmission episode registration for each patient. SCID is compatible with the following known and projected international standards:

- International Classification of External Causes of Injury (ICECI) – World Health Organization (collaborating centre on injury surveillance) and US Centers for Disease Control and Prevention)
- International Classification of Diseases (ICD) 10 code
- National Injury Surveillance Unit (NISU) – Australian Institute of Health and Welfare

The SSCIS is responsible for the management of people who have sustained a spinal cord injury, **with evidence of damage to the neural tissues**, as a result of trauma or from a non-progressive disease process (e.g., transverse myelitis, vascular occlusion, compression by infective process or haemorrhage). For patients who have traumatic spinal fractures **without neural damage** the transfer and referral process defaults to the NSW State Trauma Plan. Progressive conditions such as demyelinating and degenerative conditions of the spinal cord as well as metastatic lesions or congenital disorders **are not** the province of the SSCIS.

Patients who are admitted with some neurological losses and discharged with no neurological loss should be entered into SCID.

SCID collects a minimum data set, including socio-demographics, injury-related details, neurological impairment classification, co-morbidities, complications and so on.

Parts of the SCID

Registration

All minimum demographic data, including NISU data. It has two parts: initial registration and subsequent episodes.

Initial registration (data entry)

- All demographic data is recorded for a patient with new spinal cord injury (SCI). Allocation of number with medical record number (MRN) of registered SSCIS hospital.

Subsequent episodes (data entry)

- Demographic data for a readmission episode.

Diagnoses and managements

All data on diagnoses and their managements. It has three parts: acute, rehabilitation and readmission.

Acute (data entry)

Record hospital and spinal cord injury unit (SCIU) admission date and time with referral sources and discharge destination. It has the following parts:

- **Traumatic spinal column injuries** – record all traumatic spinal column injuries for this episode of care.
- **Non-traumatic spinal column injuries** – record all non-traumatic spinal column injuries for this episode of care.
- **Acute associated injuries** – record all injuries and conditions that occurred at the time of injury.
- **Acute co-morbidities** – record all pre-existing active or non-active conditions at the time of admission for acute episode of care.
- **Acute complications** – record all conditions that arise during the acute episode of care.

Rehabilitation (data entry)

Record admission and discharged date to rehabilitation SCIU with referral source, discharge destination and all conditions that arise during the rehabilitation episode of care.

Readmission (data entry)

Record admission and discharge date to admitted SSCIS hospital with referral source and discharge destination. Allow to record many episodes. It has the following parts:

- **Readmission principal diagnosis** – record a condition that has been the main focus of treatment, investigation and resource use, including bed days. This is determined at the time of discharge and confirmed with the admitting medical officer.
- **Readmission chronic co-morbidities** – record conditions that are pre-existing at the time of admission for the current episode but are active or inactive in terms of resource use at the time of admission. The purpose of collecting co-morbid condition in SCID is twofold. First, to indicate the complexity of the current episode; and second to document an individual patient's and SCI population health status that coexists and is **not** active in terms of resource use at the time of admission for the principal diagnosis.
- **Readmission active co-morbidities** – record all conditions that co-exist and are active in terms of resource use at the time of admission (secondary).
- **Readmission complications** – record all conditions that arise during the current episode of care.

American Spinal Injury Association (ASIA) Impairment Scale

Allows to collect four ASIA records:

- **Acute admission ASIA** – it should be collected within 72 hours after the patient's admission to the hospital or as soon as possible.
- **Acute discharge ASIA** – it should be collected within one week before of the patient discharge from acute spinal unit other than local rehabilitation centre (Royal Rehab (RR) SCIU or Prince of Wales Hospital (POWH) rehabilitation SCIU).

If the patient is transferred to the local rehabilitation centres this ASIA is **not** required.

- **Rehabilitation admission ASIA** – it should be collected within 72 hours after the patient's admission to the rehabilitation hospital or as soon as possible. It should be collected for all patients who are transferred from an acute spinal unit to the local rehabilitation centre (RR SCIU or POWH rehab SCIU) or admitted directly.
- **Rehabilitation discharge ASIA** – it should be collected within one week before the patient discharge from rehabilitation unit.

Functional independent mobility (FIM)

Allows to record four FIM scores. Two acute admission and discharge FIM are for Royal North Shore Hospital (RNSH) only:

- **Acute admission FIM (RNSH only)** – a FIM assessment is conducted within 72 hours from the time of commencement of rehabilitation or as soon as possible. This date should be similar to the acute category change date.
- **Acute discharge FIM (RNSH only)** – a FIM assessment should be done within one week before the patient discharge from rehabilitation unit.
- **Rehabilitation admission FIM** – a FIM assessment is conducted within 72 hours from the time of commencement of rehabilitation or as soon as possible. This date should be similar to the Acute Category change date.
- **Rehabilitation discharge FIM** – a FIM assessment should be done within one week before the patient discharge from rehabilitation unit.

Initial registration items – summary (data entry)

Register item	Field name	Comments
1	Registered hospital MRN	
2	Secondary hospital MRN	
3	RR MRN	
4	Medicare	Not in use
5	NISU	
6	Family name	
7	Given name	
8	Date of Birth	
9	Street	
10	City/Town	
11	Postcode	
12	State	
13	Country	
14	Phone(s)	
15	Height (cm)	
16	Weight (kg)	
17	Sex	
18	Highest education	
19	Occupation	Table 1: List of occupations
20	Employment	
21	Marital status	
22	Language	Table 2: List of languages
23	Ethnicity	
24	Country of birth	
25	External cause of injury	Table 3: List of causes of injury
26	Injury intent	
27	Type of activity when injured	
28	Type of place of injury occurrence	Table 4: List of places
29	Accident compensation	Table 5: List of accident compensations
30	Injury mechanism	
31	Methylprednisolone	
32	Injury date/time	
33	Hospital/spinal unit	
34	Admission registered as	

Register item	Field name	Comments
35	Acute hospital location	
36	Hospital/ward details	
37	Prior admissions	
38	Traumatic/Non-traumatic	
39	Brain injury	
40	Ventilator dependent quadriplegic (VDQ)	
41	Primary admission reason	NISU requirement
42	Spinal diagnosis on acute admission	NISU requirement
43	Activity at time of incident	NISU requirement
44	Describe what went wrong	NISU requirement
45	Next of kin name	
46	Next of kin street	
47	Next of kin phone	
48	Local Medical Officer (LMO) name	
49	LMO street	
50	LMO town	
51	LMO phone	
52	LMO email	
53	Alcohol use	
54	Drug use	
55	Allergies	
56	Deceased	
57	Not to be contacted	
58	NISU privacy consent	
59	Data management notes	
60	Consent to contact for research	Record whether the patient has consented to be contacted for research
61	Current street	Address at time of readmission
62	Current suburb	Address at time of readmission
63	Current state	Address at time of readmission
64	Current postcode	Address at time of readmission
65	Current contact	Contact at time of readmission
66	Incorrect address	Record whether the address is incorrect
67	Nursing home	Record whether the patient lives in a nursing home

Initial registration items – details

Register item 1: Registered hospital MRN

Definition:	Person identifier unique within establishment or agency first registered RNSH, POWH or RR.
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	10
Guide for use:	
Justification:	This item could be used for identifying the person within the first registered establishment only (Related to item 33).
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Initially was used as primary key for SCID. This item is unique for each SSCIS hospital (RNSH, POWH and RR) where the patient initially registered.

Register item 2: Secondary hospital MRN

Definition:	Person identifier unique within establishment or agency as readmitted (RNSH or POWH)
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	10
Guide for use:	
Justification:	This item could be used for identifying the person within the hospitals. (RNSH or POWH).
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	A person with SCI might move between the SSCIS hospitals. If a person is first registered with RNSH admitted to POWH. This item can be used to record POWH MRN which is a unique identifier for that hospital.

Register item 3: Royal Rehab MRN

Definition:	Person identifier unique for RR
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	10
Guide for use:	
Justification:	This item could be used for identifying the person within RR for further links
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 4: Medicare

Definition:	Medicare number
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	20
Guide for use:	
Justification:	
Effective from:	Not in use
Effective to:	
Used with:	
Source:	
Comment:	

Register item 5: National Injury Surveillance Unit (NSIU)

Definition:	Person identifier unique for the NISU database (Australian Spinal Cord Injury Register (ASCIR)) and for the SCID.
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	10
Guide for use:	Used as primary key for SCID to identify each individual.
Justification:	This item could be used for identifying the person within the ASCIR.
Effective from:	Since establishment of ASCIR
Effective to:	
Used with:	
Source:	
Comment:	<p>Previously, this unique number was issued by NISU, after receiving the case registration from each hospital. Currently it is allocated automatically by the application (SCID). For POWH the number started from 25000 and for RNSH is from 15000. This was done by the programmer after discussing with NISU. This speeds up the registration process.</p> <p>It should be allocated for all newly registered patients (for acute, rehabilitation and readmission).</p>

Register items 6: Family name and 7: Given name

Definition:	Person's name who has sustained a spinal cord injury.
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	50 each
Guide for use:	Surname is displayed in upper case.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 8: Date of birth

Definition:	Date of birth of the person. National Health Data Dictionary (NHDD) item P5 and ASCIR item 5
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	After entering this date, current age is calculated and filled in the Age field.
Justification:	Required to derive age for analysis by age at admission or separation and for use to derive a diagnosis related group (DRG), as needed.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register items 9: Street

10: City/Town and

11: Postcode

Definition:	Residence of patient at time of injury ASCIR item 12
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	50 each
Guide for use:	City/town is displayed in upper case.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's address is used as part of patient identification and may be used in linkage and/or other follow up studies.

Register item 12: State

Definition:	State name where the patient lives at time of injury ASCIR Item 12
Classification/coding:	Numeric Select from a dropdown menu as follows: New South Wales..... 1 Victoria 2 Queensland 3 South Australia 4 Western Australia 5 Tasmania 6 Northern Territory 7 Australian Capital Territory 8 Cocos Island 9 Christmas Island 10 Australian Antarctic Territory 11 Norfolk Island 12 Non-Australian state..... 13 Other Australian territory 14 N/A 15
Data type	Integer
Length	4
Guide for use:	The codes are not visible on screen, but the options are chosen from a dropdown menu.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's address is used as part of patient identification and may be used in linkage and/or other follow up studies.

Register item 13: Country of residence

Definition:	Country of usual residence of the person at the time of injury. ASCIR Item 12
Classification/coding:	There is a drop-down menu with the names of the countries and the correct choice is selected and shown on screen. Using the Australian Standard Classification of Countries for Social Statistics (ASCCSS) 4-digit (individual country) level.
Data type	Integer
Length	4
Guide for use:	To be used with other related fields such as Street, City/Town, and State.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 14: Phone(s)

Definition:	Phone contact of the patient ASCIR Item 12
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	40
Guide for use:	The phone number may be either a mobile phone number or a landline.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's phone is used as part of patient identification and may be used in linkage and/or other follow up studies.

Register items 15: Height (cm) and 16: Weight (kg)

Definition:	Height and weight to be record at acute admission to the hospital
Classification/coding:	Numeric, alpha or alphanumeric
Data type	Nvarchar
Length	3 each
Guide for use:	They are used for body mass index (BMI) calculation.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 17: Sex

Definition:	The sex of the person. NHDD item P4 and ASCIR item 4
Classification/coding:	M as Male F as Female U as Unknown
Data type	Nvarchar
Length	1
Guide for use:	
Justification:	Required for analyses of service use and epidemiological studies.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 18: Highest educational level attained

Definition:	Highest level of education attained by the patient. ASCIR item 9
Classification/coding:	Numeric Select from a dropdown menu as follows: Still at school or university.....51 Left school aged 15 or less52 Left school aged 16 or over.....53 Highest available school level54 Tertiary / postgraduate55 Trade qualification/ apprentice56 Diploma or certificate57 Other58 Not entered59 No data.....999 Never attended school 1000 Not entered0
Data type	Integer
Length	4
Guide for use:	
Justification:	To facilitate analysis of the association of risk taking with socioeconomic status and for epidemiological purposes.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	There is no difference between 59 Not entered, 0 Not entered and 999 No data. They were created by previous programmer.

Register item 19: Occupation

Definition:	The current occupation of the person is the current job or duties which the person is principally engaged in prior to the spinal cord injury or admission to the hospital. NHDD item P15 and ASCIR item 11
Classification/coding:	Numeric (See Table 1 for the list of occupations)
Data type	Integer
Length	4
Guide for use:	The current occupation should be entered. The occupations are shown as a series of dropdown menus on screen.
Justification:	<p>There is considerable user demand for data on occupation-related injury and illness, including from Work safe and from industry, where unnecessary production costs are known in some areas and suspected to be related to others in work-related illness, injury, and disability. The report <i>Health for All Australians</i> also identifies occupational related ill health as a focus for health promotion and illness prevention activities. Lack of morbidity data is severely hampering the development of preventive interventions in this area. User demand can be expected to grow.</p> <p>There is an increasing commitment by governments to reducing inequalities in health status between population sub-groups. There is already some evidence of higher incidence of morbidity and mortality in particular occupations, but greater knowledge in this area is required.</p> <p>The Australian Institute of Health and Welfare included occupation in the National health data dictionary, based on evidence and the National Occupational Health and Safety Commission a minimum data set for the national monitoring of workplace injuries.¹</p>
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Table 1: List of occupations

Occupation name	Occupation ID
Legislators and government appointed officials	8011
General managers	8012
Specialist managers	8013
Farmers and farm managers	8014
Managing supervisors (sales and service)	8015
Managing supervisors (other business)	8016
Natural scientists	8021
Building professionals and engineers	8022
Health diagnosis and treatment practitioners	8023
School teachers	8024
Other teachers and instructors	8025
Social professionals	8026
Business professionals	8027
Artist and related professionals	8028
Miscellaneous professionals	8029
Medical and science technical officers and technicians	8031
Engineering and building associates and tradespersons	8032
Air and sea transport technical workers	8033
Registered Nurses	8034
Police	8035
Miscellaneous paraprofessionals	8036
Metal fitting and machining technicians	8041
Other metal tradespersons	8042
Electrical and electronics tradespersons	8043
Building tradespersons	8044
Printing tradespersons	8045
Vehicle tradespersons	8046
Food tradespersons	8047
Amenity horticultural tradespersons	8048
Miscellaneous tradespersons	8049

Occupation name	Occupation ID
Stenographers and typists	8051
Data processing and business machine operators	8052
Numerical clerks	8053
Filing, sorting, and copying clerks	8054
Material recording and despatching clerks	8055
Receptionists, telephonists, and messengers	8056
Salespersons	8061
Sales representatives	8062
Sales assistants	8063
tellers, cashiers, and ticket salespersons	8064
Miscellaneous salespersons	8065
Personal service workers	8066
Childcare aide, assistant	660113
Childcare attendant, minder	660115
Home companion, home helper	660711
Family aide	660713
Plant and machine operators and drivers	8067
Road and rail transport drivers	8071
Trades assistants and factory hands	8081
Agricultural labourers and related workers	8082
Cleaners	8083
Construction and mining labourers	8084
Miscellaneous workers	8089
Domestic housekeeper	891513
Not entered	80101
Student	89998
Not applicable	89999
Tourist	8090
No data	999
Retired	89997

Register item 20: Employment

Definition:	Self-reported employment status, as defined by the categories given below, immediately prior to admission. NHDD item P14 and ASCIR item 10
Classification/coding:	Numeric Select from a dropdown menu as follows: <ul style="list-style-type: none"> Not entered..... 6 Employed full time 100 Employed part time 101 Employed (sheltered/supported) 102 Employed casual 103 Self-employed 104 Retired age pension 110 Pensioner on full invalid pension 111 Pensioner on part invalid pension 112 Pensioner other 113 Unemployed – Social Security Benefits 200 Unemployed – Other 201 Not available for employment – infant 300 Not available for employment – domestic duties 301 Not available for employment – other 302 Not available for employment – job placement train 303 Full time student 305 Part time student 306 No data 399 No data 999
Data type	Integer
Length	4
Guide for use:	Options are shown as a series of dropdown menus on screen.
Justification:	The Australian Health Ministers' Advisory Council Health Targets and Implementation Committee (1988) identified socioeconomic status as the most principal factor explaining health differentials in the Australian population. The committee recommended that national health statistics routinely identify the various groups of concern. This requires routine recording in all collections of indicators of socioeconomic status. In order of priority, these would be employment status, income, occupation, and education.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	There is no difference between 399 No data and 999 No data. They were created by the programmer and hard coded.

Register item 21: Marital status

Definition:	Current marital status of the person. NHDD item P8 and ASCIR item 8
Classification/coding:	Numeric Select from a dropdown menu as follows: Married 1 Single 2 Widowed..... 3 Divorced 4 Separated..... 5 Unknown..... 6 Not entered 7 No data 8 Never married..... 9 Defacto 10
Data type	Integer
Maximum character length	4
Guide for use:	Options are shown as a series of dropdown menus on screen.
Justification:	To facilitate analysis of the association of marital status with use of services and for epidemiological purposes. Marital status is a principal factor in determining the amount of support for the elderly within the home environment.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is slightly different from ASCIR. Marital status is a core variable in a wide range of social, labour, and demographic statistics. Its main purpose is to establish the living arrangements of individuals. The Australian Bureau of Statistics has defined Registered Marital Status based on a legal concept and Social Marital Status, a social, marriage-like arrangement (i.e., Defacto marriage).

Register item 22: Language

Definition:	Patient's spoken language at admission to hospital
Classification/coding:	Numeric See Table – 2 for list of language
Data type	Integer
Maximum character length	4
Guide for use:	Options are shown as a dropdown menu on screen
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Table 2: List of languages

Language	ID
Not given	0
Pidgin English	5
Other unclassified Asian language	72
Other unclassified European language	79
Central American Indian language	80
South American Indian language	81
North American Indian language	82
Torres Strait Island	84
Australian Aborigine - west	85
Other unspecified African language	91
Chinese dialect specified but unclassified	92
Chinese dialect unspecified	93
Papuan languages	95
Invented languages	96
Other language not classified elsewhere	97

Language	ID
Inadequately described	98
Not known	99
Aboriginal dialects	100
Australian Aborigine	870
Scots Gaelic	1101
Irish	1102
Welsh	1103
English	1201
German	1301
Yiddish	1303
Dutch/Flemish	1402
Danish	1501
Icelandic	1502
Norwegian	1503
Swedish	1504
Faeroese	1599
French	2101
Greek	2201
Catalan	2301
Portuguese	2302
Spanish	2303
Italian	2401
Maltese	2501
Basque	2901
Latin	2902
Friulian, Romansch, Ladin	2999
Latvian	3101
Lithuanian	3102
Estonian	3201
Finnish	3202
Karelia, Lapp, Ludic	3299

Language	ID
Hungarian	3301
Belorussian	3401
Russian	3402
Ukrainian	3403
Bosnian	3501
Bulgarian	3502
Croatian	3503
Macedonian	3504
Serbian	3505
Slovenian	3506
Czech	3601
Polish	3602
Slovak	3603
Albanian	3901
Armenian	3902
Romanian	3904
Georgian, Ingush, Romany	3999
Kurdish	4101
Pashto	4102
Iranian/Persian/Farsi	4103
Balochi, Tajik, Ossetic	4199
Amharic	4201
Arabic	4202
Assyrian	4203
Hebrew	4204
Tigrinya	4205
Kabyle, Riff, Shluh	4299
Thai	4301
Mongolian, Azeri, Tatar	4399
Kannada	5101
Malayalam	5102

Language	ID
Tamil	5103
Telegu	5104
Dravidian	5199
Bengali	5201
Gujarati	5202
Hindi	5203
Konkani	5204
Marathi	5205
Nepali	5206
Punjabi	5207
Sindhi	5208
Sinhalese	5211
Urdu	5212
Assamese, Kashmiri, Rajasthani	5299
Baltic, Burushaski, Nuristani	5999
Burmese	6101
Lisu, Pho, Rawang	6199
Hmong	6201
Khmer	6301
Vietnamese	6302
Mon-Khmer (Muong, Khmu, Khasi)	6399
Lao	6401
Thai	6402
Tai (Buyi, Jui, Tho)	6499
Bisaya	6501
Cebuano	6502
Ilokano	6503
Indonesian	6504
Malay	6505
Tagalog (Phillipino)	6506
Tetum	6507

Language	ID
Timorese	6508
Balinese, Bicol, Kapampangan	6599
Chavacano	6999
Cantonese	7101
Hakka	7102
Hokkien	7103
Mandarin	7104
Teochew	7105
Wu	7106
Chinese (Chang Chow, Hunan, Kan)	7199
Japanese	7201
Korean	7301
Other East Asian (Ainu, Tibetan, Bhotia)	7999
Australian Aborigine - northern	8101
Australian Aborigine - central	8201
Australian Aborigine - Cape York Pen.	8301
Australian Aborigine - Kalaw Lagaw Ya	8401
Australian Aborigine - Meryam Mir	8402
Australian Aborigine - eastern	8699
American languages	9101
Acholi	9201
Afrikaans	9202
Akan	9203
Asante	9204
Mauritian creole	9205
Oromo	9206
Shona	9207
Somali	9208
Swahili	9211
Yoruba	9212
Zulu	9213

Language	ID
Malagasy, Fante, Bemba	9299
Fijian	9301
Gilbertese	9302
Maori (Cook Island)	9303
Maori (NZ)	9304
Motu	9305
Nauruan	9306
Niue	9307
Samoan	9308
Tongan	9311
Hawaiian, Rotuman, Tuvaluan	9399
Tok Pisin	9401
Pitcairnese, Solomon Island. Pidgin	9499
Sign language - Auslan	9701
Sign language - Makaton	9702
Sign language - not specified	9799

Register item 23: Ethnicity

Definition:	Patient's ethnicity
Classification/coding:	<p>Numeric as follows:</p> <p>Aboriginal or Torres Strait Islander1</p> <p>Caucasian.....2</p> <p>Asian.....3</p> <p>Mediterranean4</p> <p>Polynesian5</p> <p>African6</p> <p>Other.....7</p> <p>Not entered.....8</p> <p>Indian.....9</p> <p>Middle Eastern.....10</p> <p>Unknown.....11</p> <p>No data999</p>
Data type	Integer
Maximum character length	4
Guide for use:	<p>Ethnicity shall be determined by patient self-identification. Aboriginality of person is determined according to the following Australian Bureau of Statistics: a person of Aboriginal or Torres Strait Islander descent who identifies themselves, or was identified by another household member as an Aboriginal or Torres Strait Islander.²</p> <p>Options are shown as a dropdown menu on screen.</p>
Justification:	<p>Ethnicity is an important concept, both in the study of disease patterns and in the provision of services.</p> <p>Given the gross inequalities in health status between Aborigine people and non-Aborigine people in Australia, the size of the Aboriginal population and their historical and political context, there is a convincing case for ensuring that information on Aboriginality is collected for planning and service delivery purposes and for monitoring Aboriginal health.</p>
Comment:	<p>There is no difference between 11 Unknown and 999 No data.</p> <p>This item is different from ASCIR.</p> <p>In ASCIR they use only Aboriginality Yes/No.</p>

Register item 24: Country of birth

Definition:	The country in which the person was born. NHDD item P6 and ASCIR item 6
Classification/coding:	ASCCSS 4-digit (individual country) level.
Data type	Integer
Length	4
Guide for use:	Options are shown as a dropdown menu on screen
Justification:	Country of birth is the most easily collected and consistently reported of ethnicity data items. Uses of this data item included: <ul style="list-style-type: none">• investigating the differences in health status between different population groups in Australia and providing a basis for planning, resource, and service delivery to reduce inequalities cost effectively• enabling healthcare authorities and organisations to monitor the health status of migrants• assisting healthcare workers to provide socio-culturally acceptable and non-discriminatory services to all migrant and ethnic groups.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 25: External cause of injury

Definition:	Event, circumstance, or condition associated with the occurrence of injury or poisoning. Not applicable if cause of injury is non-traumatic
Classification/coding:	Numeric, alpha, or alphanumeric See table 3 for list of external cause of injury.
Data type	Nvarchar
Length	10
Guide for use:	Select the item which best characterises the circumstances of the injury, based on the information available at the time it is recorded. If two or more categories are judged to be equally appropriate, select the one that comes first in the code list. Must always be accompanied by an <i>intent</i> code
Justification:	Enables categorisation of injury and poisoning according to factors important for injury control. Necessary for defining and monitoring injury control targets, injury costing, and identifying cases for in-depth research.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Table 3: List of external causes of injury

External cause of injury	Code
Vehicle - M/cycle driver - wearing approved helmet	2A3a
Vehicle - M/cycle driver - wearing non-approved helmet	2A3b
Vehicle - M/cycle driver - not wearing helmet	2A3c
Vehicle - M/cycle driver - not known whether wearing helmet or not	2A3d
Vehicle - M/cycle passenger - wearing approved helmet	2A4a
Vehicle - M/cycle passenger - wearing non-approved helmet	2A4b
Vehicle - M/cycle passenger - not wearing helmet	2A4c
Vehicle - M/cycle passenger - not known whether wearing helmet or not	2A4d
Vehicle - bicycle driver - wearing approved helmet	2A51a

External cause of injury	Code
Vehicle - bicycle driver - wearing non-approved helmet	2A51b
Vehicle - bicycle driver - not wearing helmet	2A51c
Vehicle - bicycle driver - not known whether wearing helmet or not	2A51d
Vehicle - bicycle passenger - wearing approved helmet	2A52a
Vehicle - bicycle passenger - wearing non-approved helmet	2A52b
Vehicle - bicycle passenger - not wearing helmet	2A52c
Vehicle - bicycle passenger - not known whether wearing helmet or not	2A52d
Vehicle - Pedestrian - collision with car/truck	2A6a
Vehicle - Pedestrian - collision with m/cycle, bicycle	2A6b
Vehicle - Pedestrian - collision with another pedestrian	2A6c
Vehicle - Pedestrian - other collision	2A6d
Aircraft - Fixed wing - commercial flight	2A8z
Aircraft - Fixed wing - light aircraft	2A8y
Aircraft - Rotating wing - helicopter	2A8w
Aircraft - Rotating wing - gyrocopter	2A8x
Sport - water related - diving (not surf)	2A28a
Sport - water related - surf related	2A28b
Sport - water related - water skiing	2A28c
Sport - water related - boating	2A28d
Sport - water related - water slide	2A28e
Sport - water related - windsurfing	2A28f
Sport - water related - drowning in swimming pool	2A12a
Sport - water related - drowning (not in swimming pool)	2A12b
Sport - football - Rugby League	2A13a
Sport - football - Rugby Union	2A13b
Sport - football - Aussie Rules	2A13c
Sport - football - Grid Iron	2A13e
Sport - football - Soccer	2A13f
Sport - football - Other	2A13g
Sport - horse related	2A8
Sport - snow related - snow skiing	2A28g

External cause of injury	Code
Sport - snow related - snowboarding	2A28h
Sport - aerial sports - hangliding	2A8a
Sport - aerial sports - parachuting	2A8b
Sport - aerial sports - ultralight	2A8c
Sport - aerial sports - glider	2A8d
Sport - aerial sports - light aircraft (non-commercial)	2A8e
Sport - aerial sports - rotating wing aircraft (non-commercial)	2A8f
Sport - aerial sports - ballooning	2A8g
Sport - aerial sports - other	2A8h
Sport - field sports - cricket	2A9a
Sport - field sports - hockey	2A9b
Sport - field sports - baseball	2A9c
Sport - field sports - lacrosse	2A9d
Sport - field sports - other	2A9e
Sport - other - climbing	2A10a
Sport - other - abseiling	2A10b
Sport - other - skate boarding	2A28d
Sport - other - rollerblading	2A10d
Sport - other - rodeo (excl. horse related)	2A10e
Sport - other - Gymnastics	2A23
Sport - martial arts - boxing	2A23a
Sport - martial arts - judo	2A23b
Sport - martial arts - karate	2A23c
Sport - martial arts - TKDO	2A23d
Sport - martial arts - wrestling	2A23e
Sport - martial arts - other **	2A23f
Playground - low fall	2A9f
Playground - high fall	2A9g
Playground - Blunt trauma	2A9h
Falls - low fall < 1 m	2A9z
Falls - high fall > 1 m	2A10z

External cause of injury	Code
Other - machinery in operation	2A24
Other - electricity	2A25
Other - struck by blunt object or person	2A23k
Other - specified ext. cause	2A28z
Other - unspecified external cause	2A29z
Other - bullet wound	2A29y
Other - miscellaneous - threat to breathing	2A13
Other - poisoning - medication	2A17
Other - poisoning - other causes	2A18
Other - ambient temperature - heat	2A26
Other - ambient temperature - cold	2A27
Other - miscellaneous - heat related - flames, fire, smoke	2A14
Other - miscellaneous - heat related - hot gas or liquid	2A15
Other - miscellaneous - heat related - hot object	2A16
Boat related	2A7a
Railway related - train	2A7b
Firearms	2A19
Cutting or piercing object	2A20
Struck by blunt object or person	2A21
Automobile driver - restrained and airbag present	2A1a
Automobile driver - restrained and airbag absent	2A1b
Automobile driver - restrained and airbag unknown	2A1c
Automobile driver - unrestrained	2A1d
Automobile driver - not known if restrained	2A1f
Automobile passenger - restrained and airbag present	2A2a
Automobile passenger - restrained and airbag absent	2A2b
Automobile passenger - restrained and airbag unknown	2A2c
Automobile passenger - unrestrained	2A2d
Automobile passenger - not known if restrained	2A2e
Truck driver - restrained and airbag present	2A1g
Truck driver - restrained and airbag absent	2A1h

External cause of injury	Code
Truck driver - restrained and airbag unknown	2A1i
Truck driver - unrestrained	2A1j
Truck driver - not known if restrained	2A1k
Truck passenger - restrained and airbag present	2A2f
Truck passenger - restrained and airbag absent	2A2g
Truck passenger - restrained and airbag unknown	2A2h
Truck passenger - unrestrained	2A2i
Truck passenger - not known if restrained	2A2j
Bus driver - restrained and airbag present	2A1l
Bus driver - restrained and airbag absent	2A1m
Bus driver - restrained and airbag unknown	2A1n
Bus driver - unrestrained	2A1o
Bus driver - not known if restrained	2A1p
Bus passenger - restrained and airbag present	2A2k
Bus passenger - restrained and airbag absent	2A2l
Bus passenger - restrained and airbag unknown	2A2m
Bus passenger - unrestrained	2A2n
Bus passenger - not known if restrained	2A2o
Sport - horse related - equestrian event	2A77a
Sport - horse related - recreational horse riding	2A77b
Sport - other - skateboarding	2A10c
Not entered	999
Lifting	2A31
Not relevant for non-traumatic injury	9999
Twisted body	2A32
Jumping	2A33
Post procedure	2A34
Sport – horse related – other	2A77c
Quad bike driver – wearing approved helmet	2A3a1
Quad bike driver – wearing non-approved helmet	2A3b1
Quad bike driver – not wearing helmet	2A3c1

External cause of injury	Code
Quad bike driver – not known whether wearing helmet or not	2A3d1
Quad bike passenger – not known whether wearing helmet or not	2A4d1
Quad bike passenger – not wearing helmet	2A4c1
Quad bike passenger – wearing non-approved helmet	2A4b1
Quad bike passenger – wearing approved helmet	2A4a1

Register item 26: Injury intent

Definition:	The role of human intent in the occurrence of the injury. Not applicable if cause of injury is non-traumatic ASCIR item 21
Classification/coding:	Numeric, alpha, or alphanumeric Select from below list: <ul style="list-style-type: none"> Accident; injury was not intended..... 2B.1 Other specified intent 2B.10 Intent not known2B.11/2B7 Not entered 2B.12 Intentional self-harm..... 2B.2 Sexual assault (by bodily force) 2B.3 Assault by parent (physical) 2B.4 Assault by parent (sexual)2B.4/2B.3 Assault by spouse or partner (physical) 2B.5 Assault by spouse or partner (sexual) –2B.5/2B.3 Other or unspecified assault (physical) 2B.6 Other or unspecified assault (sexual)2B.6/2B.3 Event of undetermined inten 2B.7 Legal intervention (Inc. police) or operations of war..... 2B.8 Adverse effect or complication of medical or surgical care . 2B.9 No data.....999 Not relevant for non-traumatic injury9999
Data type	Nvarchar
Length	10
Guide for use:	Select the item which best characterises the role of human intent in the occurrence of the injury, based on the information available at the time it is recorded. If two or more categories are judged to be equally appropriate, select the one that comes first in the code list. Must always be accompanied by an external cause group code.
Justification:	Enables categorisation of injury and poisoning according to factors important for injury control. Necessary for defining and monitoring injury control targets, injury costing and identifying cases for in-depth research.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 27: Type of activity when injured

Definition:	The type of activity being undertaken by the person when injured. Not applicable if cause of injury is non-traumatic. ASCIR item 23
Classification/coding:	Numeric Select from below list: Sports activity 4001 Leisure activity 4002 Working for income (incl. travel to and from work) 4003 Other type of work (incl. unpaid work) 4004 Resting, sleeping, eating, other personal activity 4005 Being nursed, cared for 4006 Engaged in formal educational activity (as a student) 4007 Other specified activity 4008 Unspecified activity 4009 Not entered 4010 No data 999 Not relevant for non-traumatic injury 9999
Data type	Integer
Length	4
Guide for use:	Select the item which best characterises the type of activity being undertaken by the person when injured, based on the information available at the time it is recorded. If two or more categories are judged to be equally appropriate, select the one that comes first in the code list.
Justification:	Enables categorisation of injury and poisoning according to factors important for injury control. Necessary for defining and monitoring injury control targets, injury costing, and identifying cases for in-depth research. This item is the basis for identifying work-related and sport-related injuries.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 28: Type of place of injury occurrence

Definition:	The specific type of place at which the person was situated when injured. Not applicable if cause of injury is non-traumatic
Classification/coding:	Numeric, alpha, or alphanumeric See table – 4 for the list of places.
Data type	Nvarchar
Length	50
Guide for use:	Select the category that best describes the specific type of place at which the person was situated when injured. If two or more categories are judged to be equally appropriate, select the one that comes first in the code list. Unless otherwise stated, places include attached grounds, outbuildings, etc. (e.g., 'Home' includes dwelling and associated garden, garage, shed, etc.)
Justification:	Enables categorisation of injury and poisoning according to factors important for injury control. Necessary for defining and monitoring injury control targets, injury costing and identifying cases for in-depth research.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Table 4: List of places

Name of place	Place ID
Home	1.0
Farmhouse	1.1
Free-standing house	1.2
Flat, apartment, terrace house	1.3
Boarding house, hostel	1.4
Caravan, mobile home	1.5
Other or unspecified home	1.9
Mine or quarry	10.0

Name of place	Place ID
Underground mine	10.1
Open mine or quarry	10.2
Oil or gas extraction facility	10.3
Other or unspecified mine or quarry	10.9
Farm (excludes farmhouse)	11.0
Farm	11.1
Timber plantation	11.4
Other or unspecified farm	11.9
Bush, remote, or undeveloped place	12.1
Railway (excluding station)	12.2
Camping ground, caravan park (excluding caravan)	12.3
On board a vehicle	12.4
Other specified place (incl. Forest, beach, abandoned building)	12.9
Other specified remote or undeveloped place	12.91
Unspecified place	13.9
Residential institution (excludes hospital)	2.0
Institutional home	2.1
Home for elderly, frail or sick	2.2
Prison	2.3
School, other institution, public administrative area	3.0
Childcare centre	3.1
Pre-school, kindergarten	3.2
Primary tertiary and adult education institutions	3.3
Secondary school	3.4
Public administration place	3.6
Place for the arts	3.7
Other or unspecified school, other institution, or public administration	3.9
Hospital or other health service	4.0
Community health centre	4.2
Medical surgery or clinic	4.3
Dental surgery or clinic	4.4

Name of place	Place ID
Other or unspecified hospital or health service	4.9
Recreation area (place for informal recreational activity)	5.0
Amusement Park	5.1
Holiday resort	5.2
Public Park	5.3
Aquatic recreation centre	5.4
Aquatic recreation - surf	5.5
Aquatic recreation - river	5.6
Aquatic recreation - lake	5.7
Aquatic recreation - swimming pool	5.8
Other or unspecified recreational area	5.9
Sports or athletics area (place for formal sports, etc.)	6.0
Oval, field, pitch	6.1
Stadium, arena	6.2
Racetrack (horse, motorcycle, car, etc.)	6.3
Other: land-based sport	6.4
Other: water-based sport	6.5
Other: snow or ice-based sport	6.6
Other or unspecified sports or athletics area	6.9
Street or highway (public road) ¹	7.0
Non-urban road	7.3
Other or unspecified street or highway	7.9
Trade or service area	8.0
Shop	8.1
Commercial eating place	8.2
Entertainment/drinking place	8.3
Airport	8.4
Bus or railway station	8.5
Service station	8.6
Warehouse	8.7
Office building	8.8

Name of place	Place ID
Other or unspecified trade or service area	8.9
Industrial or construction area	9.0
Construction site	9.1
Demolition site	9.2
Factory	9.3
Other or unspecified industrial or construction area	9.9
Not entered	998
No data	999
Not relevant for non-traumatic injury	9999

Register item 29: Accident compensation

Definition:	Any person who is entitled to the payment of, or who has been paid compensation for, damages or other benefits (including a payment in settlement of a claim for compensation, damages, or other benefits) in respect of the injury, illness, or disease for which he or she is receiving care and treatment, is classified as a compensable patient. Compensable status to be recorded on the person's separation from hospital. NHDD item P18 and ASCIR item 14
Classification/coding:	Numeric as follows: See Table 5 for list of accident compensation
Data type	Integer
Length	4
Guide for use:	
Justification:	
Effective from:	
Effective to:	
NMDS from:	
NMDS to:	
Used with:	
Source:	
Comment:	It is recognised that the compensable status of a patient may change during the hospital stay. It is therefore recommended that this data item reflect the status of the patient at separation. Recently Lifetime care and support (LTCS) is added to the list with all different options.

Table 5: List of accident compensation

Accident compensation list	AccidCompo1ID
Worker's compensation	10
3rd party insurance	20
Lifetime Care and Support (LTCS)	30
LTCS + worker's compensation	31
LTCS + 3rd party insurance	32
LTCS + victim compensation	33
LTCS + other	34
Victim's compensation	50
Income protection insurance	40
Sporting Injury Commission compensation	60
Travel insurance	7230
Military insurance scheme	8230
Private insurance	70
National Disability Insurance Scheme (NDIS)	80
My Aged Care	81
Other insurance	6230
No insurance at all	333
No data	999

Register item 30: Injury mechanism

Definition:	Mechanism which caused the spinal cord injury.
Classification/coding:	Numeric
Guide for use:	Select from list below: Extension750 Flexion.....755 Lateral flexion760 Crushing.....765 Other770 No data.....999 Not relevant for non-traumatic.....9999
Data type	Integer
Length	4
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register Item 31:  **Methylprednisolone**

Definition:	Administration of methylprednisolone when a patient admitted to a hospital.
Classification/coding:	Yes/No DD MM YYYY hh:mm AM/PM
Data type	Bit Date/Time
Length	1 8
Guide for use:	If yes, a date and time of administration is required.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Not in use

Register item 32: Injury date/time

Definition:	Date and time on which injury occurred. If injury had gradual onset, then the date on which it was first noticed. NDS-IS level 2, item 9 and ASCIR item 24
Classification/coding:	DD MM YYYY and hh:mm am/pm
Data type	Date/time
Length	8
Guide for use:	If only year, or month and year, is known, record this. Missing day or month should be coded "99" If time is unknown just enter the date.
Justification:	Date of injury is important for prevention (temporal patterns of occurrence), retrieval (assessment of time to treatment) and health service use (assessment of repeat visits following a single injury).
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Time shows on screen as 24-hour clock. It is important to collect time of injury for all traumatic spinal cord injury. For non-traumatic time of injury is difficult to collect.

Register item 33: Hospital/spinal unit

Definition:	Name of hospital where initially the patient is registered.
Classification/coding:	Numeric Select from list below: Royal North Shore Hospital..... 1 Prince of Wales Hospital Acute Spinal Unit..... 2 Prince of Wales Hospital Rehab Spinal Unit 3 Royal Rehab Spinal Unit 4
Data type	Integer
Length	4
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	To be able to register a patient with SCI into SCID we must register them with one of the above hospitals. If a patient with a pre-existing SCI has not been registered into SCID, and is readmitted to any of the above hospitals, they should be registered with that hospital. Geographically NSW is divided between Royal North Shore Hospital (injuries north of the harbour) and Prince of Wales Hospital (injuries south of the harbour). However, when one unit is unable to take patients, the other unit will. This item is used with item 1 (registered hospital MRN).

Register item 34: Admission registered as

Definition:	Type of admission to the initial hospital.
Classification/coding:	Numeric Select from the below list: Acute 2 (Patient with new SCI registered for the first time into the SCID and has never been registered with any of the SSCIS hospitals) Readmission 3 (A patient who has had a previous SCI and has not been registered in SCID. It should be noted that not all old RNSH SCI patients have been registered with SCID, if they have not had recent readmissions). Rehab 5 (A patient's acute episode of care occurred in another hospital (Not in SSCIS Hospitals) and admitted to any of the SSCIS hospitals for rehabilitation OPD (Outpatient department) (No in use) 4 SOS (Spinal outreach service) (Not in use)..... 9 Other hospitals (Not in use) 11 Rural (Not in use) 13
Data type	Integer
Length	4
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to differentiate whether a patient is registered with SCID as acute, readmission or rehabilitation.

Register item 35: Acute hospital location

Definition:	Records the location of acute episode of care.
Classification/coding:	Numeric
Data type	Integer
Length	4
Guide for use:	<p>There are two options:</p> <p>5000 = Same as registered hospital: When the acute episode of care occurred in the hospital where the patient was registered as an acute patient. It should be noted that sometimes patients may start their acute care at another hospital and continue their acute episode at the SSCIS hospital and therefore be registered as acute patient at the SSCIS hospital.</p> <p>5005 = Other hospital: When the acute episode of care of the admitted patient has occurred in another hospital and the patient is admitted for rehabilitation or as a readmission.</p>
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used with items 33 hospital/spinal unit and 34 admissions registered as.

Register item 36: Hospital/ward details

Definition:	Records details of the hospital and ward where the acute episode of care has occurred.
Classification/coding:	Text
Data type	char
Length	50
Guide for use:	For example – RNSH spinal intensive care unit (ICU), POWH acute spinal injury unit, orthopaedic, Gosford Hospital or Westmead Hospital, etc.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used with items 34 admission registered as and 35 acute hospital location.

Register item 37: Prior admissions

Definition:	Records the names of the hospitals that an SCI patient is admitted prior to the patient's admission to an SSCIS hospital.
Classification/coding:	Text
Data type	Button
Length	
Guide for use:	Allows recording of multiple admissions.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 38: Traumatic or non-traumatic

Definition:	Record if the cause of spinal cord injury is traumatic or non-traumatic.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	<p>If Traumatic is ticked, the user should complete other related items (items 25, 26, 27, 28, 44 and 45).</p> <p>If Non-Traumatic is ticked, the above-mentioned items are automatically filled by 'Not relevant for non-traumatic.'</p>
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	<p>These items are used to differentiate between traumatic and non-traumatic and one of them can be used. Complication of surgery is currently defined as non-traumatic.</p> <p>Post spinal surgery should be recorded as traumatic.</p> <p>NISU proposal:</p> <p>“The classification of SCI as traumatic or non-traumatic is determined by the cause. In both instances, traumatic and non-traumatic, laminectomies and decompressions are recorded in the ASCIR.</p> <p>If the SCI is due to an external cause and a laminectomy or decompression procedure occurred, the SCI would be a traumatic one. If the SCI were due to a bacterial infection/abscess, or birth defect, for example, and the above procedures were done as part of their treatment, the SCI would be non-traumatic.</p> <p>If a non-traumatic case were admitted and there was a surgical complication during a laminectomy which resulted in permanent SCI (iatrogenic cause), the SCI would be classified as a traumatic SCI (my preference). At the present time, there is a debate going on about classifying iatrogenic causes as traumatic or non-traumatic (particularly when the underlying medical problem leading to intervention is not a traumatic cause). The main issue here I think is legal liability rather than a clinical one. A decision by [International Spinal Cord Society] ISCoS has not been made yet, but from a classification point of view based on ICD-10 and ICECI, it would be classified as a traumatic case.”</p>

Register item 39: Brain injury

Definition:	Record if the patient had head or brain injury while having spinal cord injury or later diagnosed while inpatient at SSCIS hospitals.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	If a patient had head injury and confirmed. It should be ticked.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to quickly differentiate a patient with head injury. Brain injury as detail will be recorded in diagnoses and management section of the database.

Register item 40: Ventilator dependent quadriplegic (VDQ)

Definition:	Record if the patient with spinal cord injury is VDQ for the rest of their life.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	
Justification:	.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to quickly differentiate a patient who is VDQ.

Register item 41: Primary admission reason

Definition:	Brief description of patient's traumatic or non-traumatic spinal injury, cause of injury and transfer information if transferred from another health facility.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	350
Guide for use:	
Justification:	This item allows getting brief description of the initial admission to the hospital.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Required by NISU.

Register item 42: Spinal diagnoses on acute admission

Definition:	Brief description of patient's spinal injuries and neurological level with ASIA impairment at admission.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	350
Guide for use:	
Justification:	This item allows getting brief description of the spinal injuries at admission to the hospital.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Required by NISU.

Register item 43: Activity at time of incident

Definition:	Structured description of the injury event. Not applicable if cause of injury is non-traumatic. ASCIR item 26
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	350
Guide for use:	Write a brief description of how the injury came about. It must specify: <ul style="list-style-type: none">• activity at the time of injury (driving a car with seat belt)• the mechanism by which this led to injury (high speed)• the place of occurrence.
Justification:	Narrative is rated as of remarkably high importance by injury control workers to identify features of cases not revealed by the coded data.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Required by NISU.

Register item 44: Describe what went wrong

Definition:	Structured description of the injury event continues. Not applicable if cause of injury is non-traumatic. ASCIR item 26
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	350
Guide for use:	Write a brief description of how the injury came about. It must specify: <ul style="list-style-type: none"> • what went wrong (the 'breakdown event') • the objects or substances most important in the event • any other prominent or unusual features.
Justification:	Narrative is rated as of remarkably high importance by injury control workers to identify features of cases not revealed by the coded data.
Effective from:	
Effective to:	
Used with:	
Source:	NISU
Comment:	Required by NISU.

Register items 45: Next of kin name
46: Next of kin Street
47: Next of kin phone

Definition:	Most appropriate contact person other than the patient (name, address, and contact).
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	50 each
Guide for use:	Surname first and then given name.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	To be used if we cannot find the patient.

Register items 48: Local medical officer (LMO) name**49: LMO street****50: LMO town****51: LMO contact phones****52: LMO email**

Definition:	Name, address and contact of local medical officer or general practitioner who is looking after the patient in the community.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	100 each
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 53: Alcohol use

Definition:	Record whether a patient with SCI was intoxicated with alcohol while having the accident
Classification/coding:	Yes/No Numeric, alpha, or alphanumeric
Data type	Bit (Alcohol use) Nvarchar (Amount of alcohol)
Length	1 50
Guide for use:	Whether alcohol was involved in the current incident. If yes, then the tick box should be ticked.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	As it is difficult to get the amount of alcohol, by ticking the alcohol box, a zero is added in the amount.

Register item 54: Drug use

Definition:	Record whether a patient with spinal cord injury intoxicated with drug while having the accident
Classification/coding:	Yes/No Yes/No Numeric, alpha, or alphanumeric
Data type	Bit (Drug use) Bit (Prescribed drug) Nvarchar (List of drugs)
Length	1 1 50
Guide for use:	Whether drug was involved in the current incident. If yes, then the tick box should be ticked. If it is a prescribed drug, the tick box should be ticked. Also, name of drug and whether the drug was prescribed or not should be recorded in the corresponding fields.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 55: Allergies

Definition:	Record list of all allergens at admission to the hospital.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	100
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 56: Deceased

Definition:	Record whether the patient died at any time
Classification/coding:	Yes/ No (for deceased) DD MM YYYY (for date of death) Numeric, alpha, or alphanumeric (for death reason)
Data type	Bit Date/Time Nvarchar
Length	1 8 50
Guide for use:	If a patient died or we have been informed about it, the tick box should be ticked. After ticking the box, the application required a valid date and cause of death. For cause of death there is a pop-up list (table 6) from which the reason for the death can be selected.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	It is important to record if a patient is deceased, as they should be excluded for further study or research.

Table 6: Cause of death look-up table

Cause of death list	Mortality code
Unknown	999
Septicaemia	A30
Neoplasm	C00
Nervous system diseases	G00
Cardiovascular diseases	I20
Cerebrovascular diseases	I60
Respiratory diseases	J00
Digestive system diseases	K00
Urinary system diseases	N17
Spinal injury	S00
All other causes	W20
Suicide or self-harm	Z91

Register item 57: Not to be contacted

Definition:	Record whether the patient has refused to be contacted at all in the future or is deceased.
Classification/coding:	Yes/ No
Data type	Bit
Length	1
Guide for use:	If a patient refused to be contacted or died, the tick box should be ticked.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	It is important to record if a patient does not want to be contacted.

Register item 58: NISU privacy consent

Definition:	Record whether a patient signed the NISU privacy consent form and allows us to send their details only to NISU in Adelaide.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	If the patient signed the consent, the user should tick the box. If the patient does not sign the consent, the tick box should not be ticked. Obviously, their details cannot be sent to NISU. Some de-identified data is sent to NISU (see comments).
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	As per agreement with NISU at the end of each year we send only total number patients who did not sign the consent (Total number Traumatic vs non-traumatic, cause of injury and neurological level with ASIA impairment).

Register item 59: Data management notes

Definition:	Record any extra information for the patient.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	2500
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 60: Consent to contact for research

Definition:	Record whether a patient signed to be contacted for research and follow up (SCID only).
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	If the patient signed the consent, the user should tick the box. If the patient does not sign the consent, the tick box should not be ticked. Therefore, the patient should NOT be contacted.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register items 61: Current street 62: Current suburb 64: Current postcode

Definition:	Current residence of the patient (at time of readmission)
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar / nvarchar / numeric
Length	50 /50/9
Guide for use:	City or town is displayed in upper case.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's address is used as part of patient identification and may be used in links and/or other follow up studies.

Register item 63: Current state

Definition:	Current state where the patient lives (at time of readmission).
Classification/coding:	Numeric Select from a dropdown menu as follows: New South Wales..... 1 Victoria 2 Queensland 3 South Australia 4 Western Australia 5 Tasmania 6 Northern Territory 7 Australian Capital Territory 8 Cocos Island 9 Christmas Island 10 Australian Antarctic Territory 11 Norfolk Island 12 Non-Australian State 13 Other Australian territory 14 N/A 15
Data type	Integer
Length	4
Guide for use:	The codes are not visible on screen, but the options are chosen from a dropdown menu.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's address is used as part of patient identification and may be used in links and/or other follow up studies.

Register item 65: Current contact

Definition:	Current contact of the patient (at time of readmission)
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	50
Guide for use:	The phone number may be either a mobile phone number or a landline.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	In the ASCIR, the patient's phone is used as part of patient identification and may be used in links and/or other follow up studies.

Subsequent episodes registration items – summary (data entry)

Register item	Field name	Comments
69	Admitted hospital MRN	
70	Family name	See register item 6
71	Given name	See register item 7
72	DOB	See register item 8
73	Street	See register item 9 (at current admission)
74	City/Town	See register item 10 (at current admission)
75	Postcode	See register item 11 (at current admission)
76	State	See register item 12 (at current admission)
77	Country of residence	See register item 13 (at current admission)
78	Phone(s)	See register item 14 (at current admission)
79	Nursing home	Record whether the patient lives in a nursing home
80	Highest education	See register item 18 (at current admission)
81	Occupation	See register item 19 (at current admission)
82	Employment	See register item 20 (at current admission)
83	Marital status	See register item 21 (at current admission)
84	Readmission date	
85	Admission registered as	
86	Current admission reason	
87	Accident compensation	See register item 29 (at current admission) Not updated
88	Hospital/spinal unit	See register item 33 (at current admission)
89	Next of kin name	See register item 45 (at current admission)
90	Next of kin street	See register item 46 (at current admission)
91	Next of phone	See register item 47 (at current admission)
92	LMO name	See register item 48 (at current admission)
93	LMO street	See register item 49 (at current admission)
94	LMO town	See register item 50 (at current admission)
95	LMO phone	See register item 51 (at current admission)
96	Allergies	See register item 55 (at current admission)

Register item	Field name	Comments
97	Readmissions to acute SCIU (tab)	Shows all readmissions to RNSH and POWH
98	Readmissions to rehab SCIU (tab)	Shows all readmissions to RR spinal injury unit and POWH rehabilitation unit.
99	Data Management notes	See register item 59 (at current admission)

Subsequent episodes registration items – details

Register item 69: Admitted hospital MRN

Definition:	Person identifier unique within establishment or agency admitted (RNSH, POWH or RR)
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	10
Guide for use:	
Justification:	This item could be used for identifying the person within the admitted establishment only (related to item 78).
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 84: Readmission date

Definition:	Date when an established SCI patient is admitted to the SSCIS hospitals.
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	This date is the initial date of admission to the hospital only. (Does not matter whether the patient is admitted to another ward and later transferred to SCIU or vice versa).
Justification:	Required deriving length of stay for analysis. It calculates only hospital length of stay (not SCIU).
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 85: Admission registered as

Definition:	Type of admission to the hospital
Classification/coding:	Numeric Select from the below list: 33 – Readmission to SCIU (An established SCI patient admitted to the SCIU in the hospital at any stage of the admission. It means <ul style="list-style-type: none"> • A patient is admitted to SCIU and stay in the unit until discharged. • A patient initially admitted to SCIU later transferred to another ward and discharged. • A patient initially admitted to another ward and later transferred to SCIU. 37 – Readmission to another ward in the hospital (An established SCI patient is admitted to another ward of the hospital for management and never admitted to the spinal injury unit). 35 – Readmission to rehab (An established SCI patient is admitted to the hospital for rehabilitation. It is used mostly for patients who admitted to RR spinal injury unit for rehab readmission.)
Data type	Integer
Length	4
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to differentiate whether a patient is admitted to SCIU or another ward in the hospital or rehabilitation.

Register item 86: Current admission reason

Definition:	Brief description of the patient's current problems.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	255
Guide for use:	
Justification:	This item allows getting brief description of admission to the hospital.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Acute diagnosis and management registration items – summary (data entry)

Register item	Field name	Definition
100	Hospital admission date/time	
101	From (referral source)	
102	Specific source	Record name of the facility
103	Discharge date/time	
104	To (discharge destination)	
105	Specific destination	Record name of the facility
106	SCIU admission. Date/time	
107	Spinal medical officer	
108	Non spinal medical officer	
109	Intensive Care Unit (ICU)	
110	Spinal Outreach Service (SOS)	
111	Overall acute admission neurological level	Data is derived from ASIA
112	Overall acute discharge neurological level	Data is derived from ASIA
113	Acute category change	
114	Traumatic spinal column injuries (tab)	<p>Record all traumatic spinal column injuries for this episode of care.</p> <p>Allows recording of only 6 diagnoses.</p> <p>Allows editing and deleting existing diagnosis.</p> <p>Allows selecting details on spinal surgery and whether that occurred in the SSCIS hospitals or elsewhere.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>

Register item	Field name	Definition
115	Non-traumatic spinal column injuries (tab)	<p>Record all non-traumatic spinal column injuries for this episode of care.</p> <p>Allows recording of only 3 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows selecting details on spinal surgery and whether that occurred in the SSCIS hospitals or elsewhere.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>
116	Data management note (tab)	
117	Acute associated injuries (tab)	<p>Record all injuries and conditions that occurred at the time of injury.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed (e.g., ICU). It shows a green box in the application.</p> <p>Allows recording of a patient is transferred to ICU or another ward for management.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>
118	Acute co-morbidities (tab)	<p>Record all pre-existing active or non-active conditions at the time of admission for acute episode of care.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>

Register item	Field name	Definition
119	Acute complications (tab)	<p>Record all conditions that arise during the acute episode of care</p> <p>All complications acquired at another hospital or ward prior to transfer to the SCIU are considered to have occurred in a single episode and recorded as complications not co-morbidities.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed (e.g., ICU). It shows a green box in the application.</p> <p>Allows recording of a patient transferred to ICU or another ward for management.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>

Register item 100: Hospital admission date and time

Definition:	Date and time when a SCI patient is admitted to the hospital for acute episode of care.
Classification/coding:	DD MM YYYY HH: mm AM/PM
Data type	Date/Time
Length	8
Guide for use:	<p>If acute episode of care occurred in the SSCIS hospitals then, this date is the acute admission date to the hospitals. (It does not matter if a patient was transferred from another hospital).</p> <p>If acute episode of care occurred in another hospital and the patient is admitted to the SSCIS hospitals for rehabilitation (direct rehab admission) then this date is admission date for that hospital.</p> <p>Also, for a patient who admitted for rehab to the SSCIS hospitals, this date/time is admission date for the last hospital from where the patient was transferred. (Date and name of other hospitals should be recorded in register item 37 prior admission).</p> <p>It is important to record time of admission to the hospital for further analysis. If time is unknown just fill the date only.</p>
Justification:	Required deriving length of stay for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 101: From (referral source)

Definition:	Referral sources.
Classification/coding:	Numeric Select from below table 6.
Data type	Integer
Length	4
Guide for use:	<p>All patients who are admitted directly to the hospital should be classified as 'Emergency department.'</p> <p>RR and POWH Rehab should be recorded as 'Rehab centre.'</p> <p>CARS/Corabel, brain injury unit RR should be recorded as 'Rehab facility other.'</p> <p>Boundaries for metro and rural public hospitals depend on the area health services. (They might change.) Hospital in Hunter and Illawarra areas are now classified as 'Metro public hospital.'</p> <p>Canberra Hospital is classified as 'Interstate hospital.'</p> <p>Ferguson Lodge, Weemala should be classified as 'Other health accommodation.'</p> <p>Any patient using a hospital as their residential facility should be classified as 'Metro' or 'rural' hospital depending on the location.</p> <p>Group home should be classified as 'Home.'</p> <p>Correctional centres and other should be classified as 'Other facility or accommodation.'</p> <p>'Split rehab – Xfer from rehab centre' should be used if a patient transferred from RNSH to POWH rehab unit or from POWH acute spinal unit to RR SCIU.</p>
Justification:	Required for outcome analysis
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to classify all referral sources under below sub-group. It is used for reporting purposes. There is no difference between 299 and 999. Both are coded as No data.

Table 7: Referral source look-up table

Source location	Location code
	0
Emergency department	225
Home	230
Rehab centre	235
Rehab facility other	277
Metro public hospital	240
Rural public hospital	242
Private hospital	245
Private rehab hospital	246
Interstate hospital	275
Overseas hospital	300
Other health accommodation	255
Other accommodation	280
Nursing home	250
OPD	262
Another ward	260
Split rehab - Xfer from rehab centre	99
Split acute – Xfer from acute to acute	88
Split private – Xfer to RRP	77
No data	299
No data	999

Register item 103: Discharge date/time

Definition:	Date on which a SCI patient completes the acute episode of care by formal separation, which is the administrative process by which a hospital records the completion of treatment and/or care accommodation of a patient (discharge, transfer, death).
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	<p>If acute episode of care occurred in the SSCIS hospitals, then this date is the acute discharge date from the hospitals.</p> <p>If acute episode of care occurred in another hospital and the patient is admitted to the SSCIS hospitals for rehabilitation (direct rehab admission) then this date is discharging date for that hospital.</p>
Justification:	Required deriving length of stay for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 104: To (discharge destination)

Definition:	Mode of separation of the patient (discharge, transfer, or death) and place to which the patient is released (where applicable).
Classification/coding:	Numeric Select from table 8.
Data type	Integer
Length	4
Guide for use:	<p>RR and POWH rehab should be recorded as 'Rehab centre.'</p> <p>RR or POWH rehab via other facility or home should be recorded as 'Rehab centre via other facility'</p> <p>CARS/Corabel, brain injury unit RR should be recorded as 'Rehab facility other.'</p> <p>All acute or rehab private hospitals are classified as 'Private hospital.'</p> <p>Boundaries for metro and rural public hospitals depend on the Area Health Services. (They might change). Hospitals in the Hunter and Illawarra areas are now classified as 'Metro public hospital.'</p> <p>Canberra Hospital is classified as 'Interstate hospital.'</p> <p>Ferguson Lodge, Weemala should be classified as 'Other health accommodation.'</p> <p>Any patient using a hospital as their residential facility should be classified as 'Metro' or 'Rural hospital' depending on the location.</p> <p>Group home should be classified as 'Home.'</p> <p>Correctional centres and other should be classified as 'Other facility or accommodation.'</p> <p>If a patient is still in the unit, 'Still in the unit' should be selected otherwise discharge date is required.</p>
Justification:	Required for outcome analysis
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to classify all referral sources under below sub-group. It is used for reporting purposes.

Table 8: Discharge destination look-up table

Destination	Code
	0
Discharged by the hospital	1
Discharged at patient's own risk	2
Nursing home	3
Metro public hospital	4
Rural public hospital	5
Died	6
Interstate hospital	7
Other health accommodation	8
Rehab centre	9
Overseas hospital	10
Private hospital	11
Rehab facility other	12
Other accommodation	13
Other ward within hospital	14
Private Royal Rehab	77
Split acute – Xfer from acute to acute	88
Rehab via home	90
Rehab via hospital	91
Rehab via other	92
Rehab via interstate hospital	93
Rehab via overseas	94
Rehab via nursing home	95
Split rehab - Xfer to rehab centre	99
No data	999
Not discharged yet	1000
Still in the unit	9999

Register item 106: SCIU admission date/time

Definition:	Date and time when a SCI patient is admitted to the acute SCIU for an acute episode of care.
Classification/coding:	DD MM YYYY HH: mm AM/PM
Data type	Date/Time
Length	8
Guide for use:	<p>If acute episode of care occurred in the SSCIS hospitals then, this date is the acute admission date to the SCIU of the hospitals (RNSH SCIU or POWH acute SCIU).</p> <p>If a patient is admitted directly to the SCIU, this date and register item 92 will be the same.</p> <p>If acute episode of care occurred in another hospital and the patient is admitted to the SSCIS hospitals for rehabilitation (direct rehab admission) then this date should be same date as discharge date to show that the patient was never admitted to the SCIU.</p> <p>It is important to record time of admission to the SCIU for further analysis. If time is unknown just fill the date only.</p>
Justification:	Required for deriving length of stay in the SCIU for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	Specific for SCID.
Comment:	

Register item 107: Spinal medical officer

Definition:	Records name of spinal staff specialist who is looking after the patient while in hospitals (SSCIS).
Classification/coding:	Numeric Select from a list in the application
Data type	Integer
Length	4
Guide for use:	Only list of staff specialists working in each hospital can be seen. The application allows the user to add a new staff specialist by clicking the first field 'Add new entry' in the pop-up list and fill details of the specialist accordingly.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used if a patient is under care of the specialist, does not matter whether in the SCIU or other ward within the hospital.

Register item 108: Non spinal medical officer

Definition:	Records name of other medical officer who is looking after the patient while in hospitals (neurosurgeon, orthopaedic surgeon and other)
Classification/coding:	Numeric Select from a list in the application.
Data type	Integer
Length	4
Guide for use:	Only list of all medical officers working in each hospital can be seen. The application allows the user to add new medical officer by click the first field 'Add new entry' in the pop-up list and fill details of the specialist accordingly.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to find out about the surgeon.

Register item 109: Intensive Care Unit (ICU)

Definition:	Record if a SCI patient initially admitted to the ICU.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	Only patient who is initially admitted to ICU is recorded. A patient admitted to ICU later while in the hospital for a problem, can be recorded under the acute complication tab.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item is used to differentiate a patient who is initially admitted to ICU.

Register item 110: Spinal Outreach Services (SOS)

Definition:	Record if a SCI patient referred to SOS for further management.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	Currently not in use.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	This item can be used to find out list of all patients referred to SOS. Also, will allow us to link SCID with SOS database.

Register item 113: Acute category change

Definition:	When a SCI patient is medically and surgically stable and able to participate actively in a specialised inpatient rehabilitation program or ready to be discharged from the acute hospital to home or other facility.
Classification/coding:	Yes/No (for acute category change) DD MM YYYY (date of category change) Numeric, alpha, or alphanumeric (Reason for the change) For the reason select from table 9.
Data type	Bit Date/Time Integer
Length	1 8 4
Guide for use:	
Justification:	The purpose of changing the category to rehabilitation of discharge at this stage is to measure the delay between readiness for rehabilitation and the actual date of acute separation.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Lack of a rehabilitation bed should not delay the change of classification from acute to rehabilitation status. If a patient is admitted as rehabilitation to acute SCIUs (Spinal Cord Injury Unit) (Spinal Cord Injury Unit), this date should be same as acute admission date.

Table 9: Category changes look-up table

Category change list	Code
No data	0
Awaiting home modifications	1
Awaiting local rehab bed	2
Awaiting placement in nursing home	3
Awaiting Dept. of Housing application	4
Awaiting equipment	5
Awaiting home care arrangements	6
Awaiting transfer to other hospital	7
More than one reason (Please specify in DM notes)	8
Awaiting accommodation decision	9
Waiting for a procedure	10
VDQ for rehab	11
Inpatient rehab	12
No data	999

Register item 116: Data management note

Definition:	Record any extra information for the acute episode of care.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	500
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Acute rehabilitation

Rehabilitation is the application of the skills, knowledge and resources required to achieve a treatment goal of improving the functional status of a person with a spinal cord injury as defined by the SSCIS definition.

Inpatient rehabilitation is based upon a multidisciplinary approach, involving two or more professional disciplines, and using an individualised interdisciplinary rehabilitation plan, which includes negotiated rehabilitation goals, defined times, and regular progress reviews.

Early involvement of rehabilitation team members often occurs soon after acute admission to manage issues associated with SCI, such as neuropathic bladder, and to prevent secondary complications that could delay or impact rehabilitation later.

- The start of rehabilitation is defined as when the client is able to sit in a chair for a period of at least 60 minutes to participate in active rehabilitation and on three consecutive working days.
- The client has the ability to achieve active rehabilitation goals with the level of injury.
- No pressure area or wound that prevents sitting up in wheelchair for extended periods and/or participating actively in rehabilitation (e.g., on a prone trolley).
- A FIM assessment is conducted within 72 hours from the time of start of rehabilitation (as defined above) and again at discharge from rehabilitation.
- Unplanned interruption to rehabilitation program because of medical or surgical complication requiring transfer to acute episode of care for more than 72 hours, whether within the same hospital ward, another ward, or another acute hospital. This process is collected within the SCID rehabilitation module as a complication with interruption period and details as to transfers recorded.

Acute rehabilitation diagnosis and management register items – summary

Register item	Field name	Definition
120	Hospital admission date/time	
121	From (referral source)	See register item 97
122	Specific source	Record name of the facility, accommodation, or home.
123	Discharge date/time	
124	To (discharge destination)	See register item 100
125	Specific destination.	Record name of the facility, accommodation, or home.
126	Admitting officer	
127	Rehab maintenance	
128	Rehab notes	
129	Overall admission neurological level	Data derived from ASIA admission to rehabilitation.
130	Overall discharge neurological level	Data derived from ASIA discharge from rehabilitation.
131	Rehabilitation complications (tab)	<p>Record all conditions that arise during the rehabilitation episode of care.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed (e.g., ICU). It shows a green box in the application.</p> <p>Allows recording of a patient is transferred to ICU or another ward for management.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>

Acute rehabilitation diagnosis and management register items – details

Register item 120: Hospital admission date/time

Definition:	Date and time when a SCI patient is admitted to the hospital for rehabilitation episode of care.
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	By pressing the edit button, the application copies the acute discharge date.
Justification:	Required deriving length of stay for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	Please double check the admission date for a patient who is transferring from a third place (e.g., home, or other facilities) after discharging from acute SCIU hospital (RNSH or POWH). As by pressing the edit button every time the application copies the acute discharge date into this date.

Register item 123: Discharge date/time

Definition:	Date on which a SCI patient completes the rehabilitation episode of care by formal separation, which is the administrative process by which a hospital records the completion of treatment and/or care accommodation of a patient (discharge, transfer, or death).
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	
Justification:	Required deriving length of stay and duration of care for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 126: Admitting officer

Definition:	Records name of spinal staff specialist who is looking after the patient while in hospitals (SSCIS).
Classification/coding:	Numeric Select from a list in the application.
Data type	Integer
Length	4
Guide for use:	Only list of staff specialists working in each hospital can be seen. The application allows the user to add new staff specialist by click the first field 'Add new entry' in the pop-up list and fill details of the specialist accordingly.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 127: Rehabilitation maintenance (transition)

Definition:	A patient is to start a transition and/or maintenance program once inpatient goals are achieved, the discharge process is completed, and the allocation of the resources required for discharge is progressing. Patient is ready to be discharged or transferred to home or other facilities.
Classification/coding:	Yes/No (for maintenance or transition change) DD MM YYYY (date of maintenance change) Numeric, alpha, or alphanumeric (reason for maintenance) For the reason, select from table 10.
Data type	Bit Date/Time Integer
Length	1 8 4
Guide for use:	If there are several reasons, write in the management notes.
Justification:	The purpose of changing the category from rehabilitation to maintenance is to measure the delay between maintenance and actual discharge or separation from rehabilitation facility.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	It important to find out reason for delay.

Table 10: Category changes look-up table

Category change list	Code
No data	0
Awaiting home modifications	1
Awaiting local rehab bed	2
Awaiting placement in nursing home	3
Awaiting Dept. of Housing application	4
Awaiting equipment	5
Awaiting home care arrangements	6
Awaiting transfer to other hospital	7
More than one reason (Please specify in data manager notes)	8
Awaiting accommodation decision	9
Awaiting a procedure	10
VDQ for rehab	11
Inpatient rehab	12
No data	999

Register item 128: Rehab note

Definition:	Record any extra information for the rehabilitation episode of care.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	500
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Readmission diagnosis and management registration items – summary (data entry)

Register Item	Field name	Definition
132	Admission date	Copied from register item 84 subsequent episode (data entry).
133	From (Referral source)	See register item 97
134	Specific source	Record name of the facility.
135	Discharged date/time	
136	To (Discharge destination)	See register item 104
137	Specific destination	Record name of the facility.
138	Spinal medical officer	See register item 107
139	Non spinal medical officer	See register item 108
140	Spinal Outreach Service (SOS)	Currently not in use
141	Planned	
142	Pressure ulcer as main diagnosis	
143	Patient registered with Spinal Plastic Service (SPS)	
144	Readmission category change	See register item 113
145	Readmission principal diagnosis	<p>Record a condition that has been the focus of treatment, investigation, and resource use, including bed days, and determined at the time of discharge and confirmed with the admitting medical officer.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>By double clicking in the diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>
146	Readmission data manager (DM) notes	

Register Item	Field name	Definition
147	Readmission associated diagnoses (tab)	<p>Record conditions that co-exist and are active in terms of resource use at the time of admission.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed. (ICU). It shows a GREEN box in the application.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and Management box.</p>
148	Readmission co-morbidities (tab)	<p>Record conditions that are pre-existing at the time of admission for the current episode but are active or inactive in terms or resource use at the time of admission.</p> <p>The purpose of collecting co-morbid condition in SCID is twofold. First, to indicate the complexity of the current episode and second to document an individual patient's and SCI population health status that co-exists and is not active in terms of resource use at the time of admission for the principal diagnosis.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed (e.g., ICU). It shows a green box in the application.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>

Register Item	Field name	Definition
149	Readmission complications (tab)	<p>Record all conditions that arise during the current episode of care.</p> <p>Allows recording of 21 diagnoses.</p> <p>Allows editing and deleting an existing diagnosis.</p> <p>Allows recording information about treatment and management of the diagnosis.</p> <p>Allows recording of name of hospital or ward where it was diagnosed (e.g., ICU). It shows a green box in the application.</p> <p>Allows recording of a patient is transferred to ICU or another ward for management.</p> <p>By double clicking in each diagnosis, the application allows you to see the treatment or management of it in the treatment and management box.</p>
150	Chronic co-morb Xfer	<p>By clicking the Readmission chronic co-morbidities tab, this button reveals. It allows transferring all chronic co-morbidities from previous admission to the current episode.</p>

Register item 135: Discharge date

Definition:	Date on which a SCI patient completes the readmission episode of care by formal separation, which is the administrative process by which a hospital records the completion of treatment and/or care accommodation of a patient (discharge, transfer, or death).
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	
Justification:	Required deriving length of stay and duration of care for analysis.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 141: Planned

Definition:	Record whether this admission is planned
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	
Justification:	It is used to differentiate between planned and unplanned admission.
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 142: Pressure ulcer as main diagnosis

Definition:	Records if main and principal diagnosis is management of pressure ulcer.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	Quick reference to identify patients who are readmitted for pressure ulcer management.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 143: Patient registered with spinal plastic service (SPS)

Definition:	Records if a patient is under SPS.
Classification/coding:	Yes/No
Data type	Bit
Length	1
Guide for use:	Quick reference to identify patient's number registered under SPS.
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Register item 146: Readmission data manager (DM) notes

Definition:	Record any extra information for the readmission episode of care.
Classification/coding:	Numeric, alpha, or alphanumeric
Data type	Nvarchar
Length	500
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Acute and rehabilitation ASIA registration items – summary (data entry)

Register item	Field name	Definition
151	Overall neurological level	This is the lowest segment where motor and sensory function is normal on both sides. The box only allows entry of the following: C1- S4-5 and ND- No deficit.
152	Assessment date	
153	ASIA taken at	Allows to record ASIA at admission or at discharge.
154	Complete/incomplete/NL (No loss or no deficit)	Determined whether the injury is complete or incomplete (sacral sparing). If voluntary anal contraction (Register item 166) is ' No ' and all S4-5 sensory scores = 0 and any anal sensation (Register item 167) is ' No ', then injury is complete . Otherwise, the injury is incomplete .
155	ASIA impairment scale	Select one of these options accordingly: A complete – No motor or sensory function is preserved in the sacral segments S4-S5 B incomplete – Sensory but not motor function is preserved below the neurological level and includes the sacral segments S4-S5. C incomplete – Sensory but not motor function is preserved below the neurological level and more than half of key muscles below the neurological level have a muscle grade less than 3. D incomplete – Motor function is preserved below the neurological level and at least half of key muscles below the neurological level have a muscle grade of 3 or more. E normal – Motor and sensory functions are normal.
156	Clinical syndromes	Please select one of the following options: Central cord syndrome – Produces sacral sparing and greater weakness in the upper limbs than in the lower limbs. Brown Sequard syndrome – Produces greater ipsilateral proprioceptive and motor loss and contralateral loss of sensitivity to pain and temperature. Anterior syndrome – Produces variable loss of motor function and of sensitivity to pain and temperature, while preserving proprioception. Conus medullaris syndrome – Injury of the sacral cord (conus) and lumbar nerve roots, results in areflexic bladder, bowel, and lower limbs.

Register item	Field name	Definition
		Cauda equina syndrome – Injury to lumbosacral nerve roots, results in areflexic bladder, bowel, and lower limbs.
157	Neurological level Sensory Right and left	Enter lowest neurologically normal level for each site To enter, right click and select from the list (C1 – S4-5).
158	Neurological level Motor Right and left	Enter the lowest neurologically normal level for each site. To enter, right click and select from the list (C1 – S4-5). Note: In the regions where there is no myotome to test, the motor level is presumed to be the same as the sensory level.
159	Zone of partial preservation Sensory Right and left	This section is activated when a patient has a complete lesion. For zone of partial preservation, record lowest dermatome on each side with some (non-zero score) preservation. To enter, right click and select from the list (C1 – S4-5).
160	Zone of partial preservation Motor Right and left	This section is activated when a patient has a complete lesion. For zone of partial preservation, record lowest myotome on each side with some (non-zero score) preservation. To enter, right click and select from the list (C1 – S4-5).
161	Motor Right and left C5 – T5 L2 – S1	To enter data, right click and select from the pop-up list below: Total paralysis.....0 Palpable or visible contraction1 Active movement, full range of motion, gravity eliminated2 Active movement, full range of motion, against gravity 3 Active movement, full range of motion, against gravity and provides some resistance4 Active movement, full range of motion, against gravity and provides normal resistance5 Not testable.....NT Patient unable to reliably exert effort or muscle unavailable for testing due to factors such as immobilization, pain on effort or contracture. (NT is shown as Tin the application).
162	Light touch Right and left C2 – S4-5	To enter data, right click and select from the pop-up list below: No sensation..... 0 Partial sensation is preserved..... 1 Normal sensation..... 2

Register item	Field name	Definition
		Not testable.....NT
163	Pin prick Right and left C2 – S4-5	To enter data, right click and select from the pop-up list below: No sensation..... 0 Partial sensation is preserved..... 1 Normal sensation..... 2 Not testable.....NT
164	Copy data from	It is a function to allow the user to transfer the existing data from acute to rehab and vice versa (admission or discharge data).
165	Motor/ Light touch/ Pin prick tabs	Allows to add the corresponding value for all levels of the following: For Motor (right and left) 0-5 and NT For Light touch (right and left) 0-2 and NT For Pin prick (right and left) 0-2 and NT
166	Voluntary anal contraction (tick box)	For yes, tick the box. Note: It is important to collect this information.
167	Any anal sensation (tick box)	For yes, tick the box. Note: It is important to collect this information.
168	General notes	Enter any extra information related to ASIA.

Acute and rehabilitation ASIA registration items – details

Register item 152: Assessment date

Definition:	Date when the ASIA form has assessed and completed.
Classification/coding:	DD MM YYYY
Data type	Date/Time
Length	8
Guide for use:	
Justification:	
Effective from:	
Effective to:	
Used with:	
Source:	
Comment:	

Functional independent mobility (FIM) rehabilitation register items – summary (data entry)

Register item	Field name	Definition
169	Admission assessment date	Date when the admission FIM assessment was done
170	Discharge assessment date	Date when the discharge FIM assessment was done
171	Self-care – Eating – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
172	Self-care – Grooming – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
173	Self-care – Bathing – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
174	Self-care – Upper body – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
175	Self-care – Lower body – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
176	Self-care – Toileting – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
177	Sphincter control – Bladder management – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
178	Sphincter control – Bowel management – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
179	Mobility – Bed, chair, wheelchair – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
180	Mobility – toilet – – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)

Register item	Field name	Definition
181	Mobility – Tub, shower – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
182	Locomotion – Walk, wheelchair – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score) We are collecting data on wheelchair locomotion only .
183	Locomotion – Stairs – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
184	Communication – Comprehension – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
185	Communication – Expression – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
186	Social cognition – Social interaction – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
187	Social cognition – Problem solving – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
188	Social cognition – Memory – on admission (A) – on discharge (D)	To enter, right click, then select from the list. (See table 11: FIM score)
190	Notes	Allows entering extra information about FIM.

Table 11: FIM score

Assistance	Score
Total assistance (subject = 0%+)	1
Maximal assistance (subject = 25%+)	2
Moderate assistance (subject = 50%+)	3
Minimal assistance (subject = 75%+)	4
Modified dependence (supervision)	5
Modified independence (device)	6
Complete independence (timely, safely)	7

Clinical indicators

The NSW State Spinal Cord Injury Service collects data on all patients with a spinal cord injury who are admitted following acute injury, or as a readmission with a complication.

Clinical indicators that have been identified as monitors of quality of care and patient's clinical outcome are common complications in spinal cord injury. The clinical indicators listed in this document and their definitions and parameters have been agreed to by the spinal medical specialists' group.

These complications are entered with the SCID as they occur, and aggregated de-identified reports are prepared on a quarterly basis by the clinical data management team.

Validity of clinical indicator data will be strengthened by strict adherence to identification and/or determination of these complications against the agreed definitions and diagnostic criteria outlined in this document. It is the spinal speciality registrars' responsibility to correctly diagnose, document and report these complications to the SCID clinical data manager on a less than a weekly basis.

Pneumonia

"Pneumonia is a state of lung tissue inflammation of infectious aetiology with radiographic demonstration of parenchymal disease."³

In SCID an episode of pneumonia is recorded at any stage of care (acute, rehabilitation or readmission) by date of occurrence and confirmation using the following methods:

- confirmed radiologically
- unconfirmed radiologically.

Pulmonary embolism

"Condition resulting when a pulmonary artery becomes acutely obstructed by a clot formed upstream from the pulmonary arterial vascular tree."³

Document clinical impression or confirmed clinical diagnoses of pulmonary embolism followed by definitive anticoagulation therapy.

In SCID an episode of pulmonary embolism is recorded at any stage of care (acute, rehabilitation or readmission) by date of occurrence and confirmation using the following methods:

- confirmed by pulmonary angiogram or helical CT (Computed Tomographic) scan
- high probability on V/Q scan (ventilation-perfusion lung scan)
- strongly suspected but not confirmed by any specific diagnostic techniques or procedure.

Deep vein thrombosis (DVT)

“Deep Vein Thrombosis (DVT) of the lower extremity is an occlusion of the venous system of the lower extremity. Positive DVT with definitive therapy (e.g., anticoagulation, cava filter) instituted.”³

In SCID an episode of DVT is recorded at any stage of care (acute, rehabilitation or readmission) by date of occurrence and confirmation using the following methods:

- confirmed by duplex/doppler, ultrasound
- confirmed by 1-125 labelled fibrinogen uptake (I-125)
- confirmed by venogram
- confirmed by impedance plethysmography (IPG)
- confirmed by another non-specific test, e.g., D-dimer
- treated on strong clinical suspicion.

Urinary tract infection (UTI)

Description: **Symptomatic** urinary tract infection⁴

- The primary outcome measure was the proportion of patients with symptomatic UTI according to defined clinical criteria, along with a positive quantitative urine culture. This is the most clinically significant outcome measure for populations at long-term risk of recurrent urinary tract infections.

Symptoms of UTI **in the incomplete spinal patients** may be similar to the general population and include fever, dysuria, frequency, urgency, voiding of small volumes, abrupt onset, supra-pubic pain, and loin pain. In spinal injured patients with less bladder sensation, additional relevant symptoms should be **unexplained by other inter-current pathology** and include **fever, autonomic dysreflexia**, increased frequency of muscle spasms or spasticity, failure of usual control of urinary incontinence and new abdominal discomfort.

Comments: A clinically significant UTI **must** be followed by definitive treatment with appropriate antibiotic therapy, along with a beneficial clinical response to this therapy.

In SCID an episode of UTI is recorded at any stage of care (acute, rehabilitation or readmission) by date of occurrence and name of the micro-organism which caused it.

Pressure injury

Pressure injuries are “injuries of the skin and/or underlying tissue, usually over a bony prominence, caused by unrelieved pressure, friction or shearing. They occur most commonly on the sacrum and heel, but can develop anywhere on the body. Pressure injury is a synonymous term for pressure ulcer.”⁵

In SCID place the grade of the pressure injury in the appropriate location tree in the data entry screen. The purpose of this variable is primary prevention and quality assurance. Therefore, each injury should only be **documented once**, at onset (with episode(s) defined by date of occurrence of clinical confirmation), and the **worst grade** should be recorded as follows:

- During acute care
- During inpatient rehabilitation
- At or during readmission

Grading system

Grade 1: Limited to the superficial epidermal and dermal layers. Include redness that does not blanch to the touch and redness that requires intervention.

Grade 2: Involving the epidermal and dermal layers and extending into the adipose tissue.

Grade 3: Extending through superficial structures and adipose tissue down to and including muscle.

Grade 4: Destruction of all soft tissue structures and communication with bone or joint structures.

Grade unknown

For descriptions, see [Pressure injury toolkit for spinal cord injury and spina bifida - Wound assessment: Stage](#)

Locations and grades of pressure injuries

- Occiput (includes back of head)
- Elbow (left and right)
- Scapula (includes shoulder – left and right)
- Ribs (includes chest and thorax – left and right)
- Natal cleft
- Iliac crest (left and right)
- Sacrum (includes sacroiliac, coccygeal, tailbone)
- Ischium (includes gluteal, intergluteal and buttock areas – left and right)
- Trochanter (includes hip – left and right)

- Genitals (include perianal, scrotal, and other)
- Knee (includes pre-tibial, tibial, and fibular condyles, shin, and popliteal areas – left and right)
- Lateral malleolus (left and right)
- Medial malleolus (left and right)
- Heel (includes calcaneus – left and right)
- Foot (includes toes, dorsum, and any part of the foot – left and right)
- Back (includes spinous process and other part of back)
- Other location, unspecified (includes neck, hands, phalanges, nostril, and others)

When there are multiple ulcers in the same location, count all ulcers at the same location.

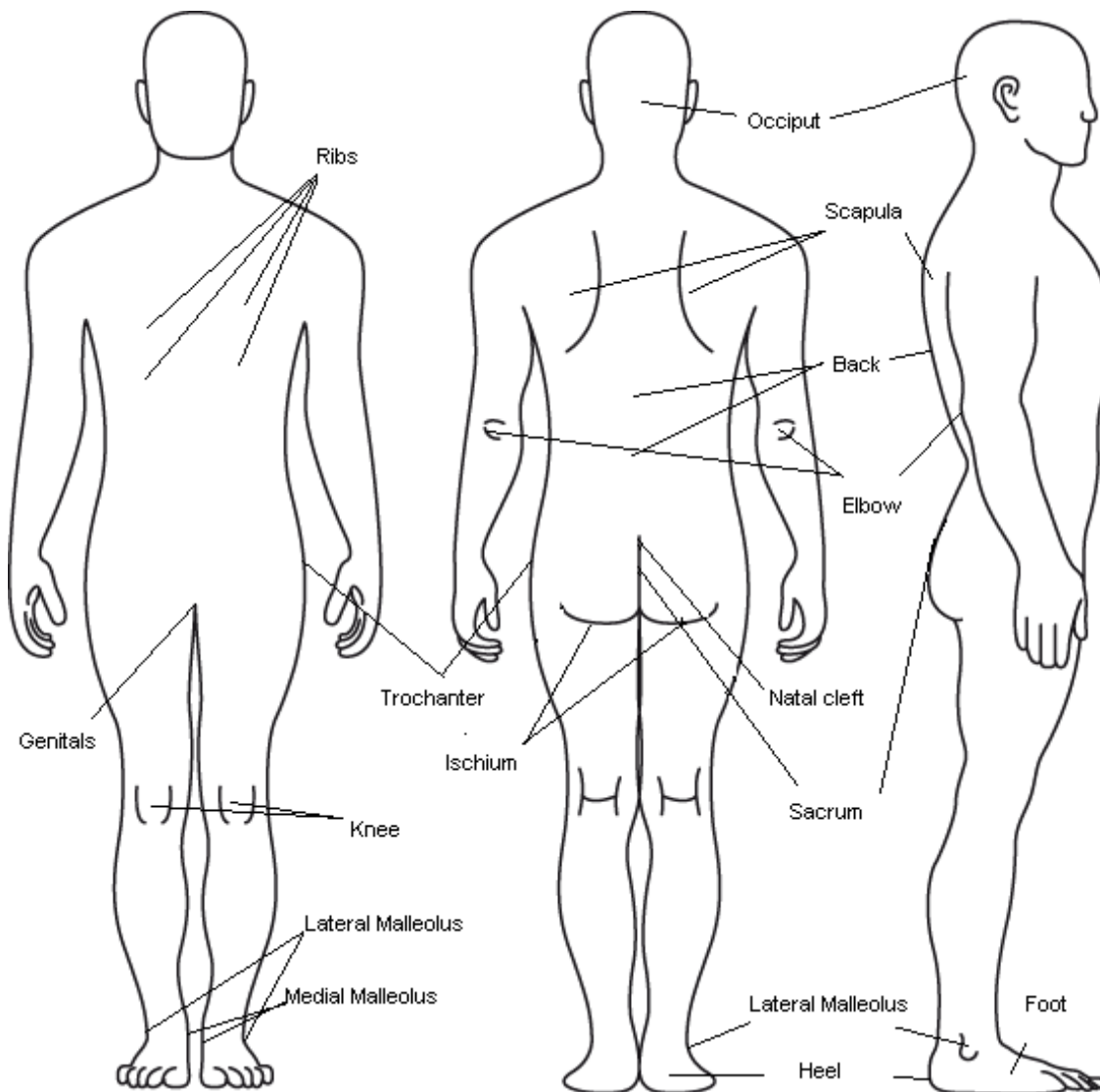


Figure 1: Locations of pressure injuries

Glossary

ASCIR	Australian Spinal Cord Injury Register
ASIA	American Spinal Injury Association
ASCCSS	Australian Standard Classification of Countries for Social Statistics
BMI	Body Mass Index
DM	Data manager
DRG	Diagnosis related groups
DVT	Deep vein thrombosis
FIM	Functional independent mobility
ICD-10	International Classification of Diseases ¹⁰
ICECI	International Classification of External Causes of Injury
ICU	Intensive care unit ICU
IPG	Impedance plethysmography
ISCoS	International Spinal Cord Society
LMO	Local medical officer
LTCS	Lifetime care and support
MRN	medical record number
NDIS	National Disability Insurance Scheme
NHDD	National Health Data Dictionary
NISU	National Injury Surveillance Unit
OPD	Outpatient department
POWH	Prince of Wales Hospital
RNSH	Royal North Shore Hospital
RR	Royal Rehab
SCI	Spinal cord injury
SCID	Spinal Cord Injury Database
SCIU	Spinal cord injury unit
SOS	Spinal outreach service
SPS	Spinal plastic service
SSCI	State Spinal Cord Injury Service
UTI	Urinary tract infection
VDQ	Ventilator dependent quadriplegic

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