# Background

**NSW Admitted Patient Data Collection**

NSW Ministry of Health

The NSW Admitted Patient Data Collection (APDC) records all inpatient separations (discharges, transfers and deaths) from all public hospitals, public psychiatric hospitals, multi-purpose services, private hospitals, and private day procedure centres in NSW. Approximately 400 facilities contribute to the data collection, which includes patient demographic information, diagnoses, procedures, and administrative information such as dates of admission and separation, source of referral to the service, service referred to on separation, and patient health insurance status.

Public hospital APDC data are recorded in terms of episodes of care (EOC). An episode of care ends with the patient ending a period of stay in hospital (e.g. by discharge, transfer or death) or by becoming a different “type” of patient within the same period of stay. The categories of types of care are listed under the variable “Episode of care type”. For private hospitals, each APDC record represents a complete hospital stay. Private hospitals can be selected using the hospital type variable (private hospitals are coded as 2 or 4).

APDC records are counted based on the date of separation (discharge) from hospital and do not include patients who have been admitted but not discharged from hospital.

# Considerations for using APDC in linkage studies

## Record linkage and data availability

APDC data is only available from July 2001 onwards.

Records from public hospitals are made available for linkage quarterly

Records from private hospitals are made available for linkage annually.

Records from Northern Beaches Hospital (Opened in October 2018) is not yet available for linkage

Patient names are not generally available for admissions to private hospitals prior to 1 July 2014. While the CHeReL is able to link these records based on other demographic details, the linkage is likely to be less accurate. Caution must therefore be exercised in interpreting results where private hospital data are involved.

## Diagnosis and procedure information

Diagnosis information is classified according to the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (ICD-10-AM)

Procedures and interventions are classified according to the Australian Classification of Health Interventions (ACHI).

The Australian Coding Standards (ACS) specifies coding standards that provide guidelines to assist users of the classifications in obtaining consistency in clinical coding nationally. Public and private hospitals in Australia use ICD-10-AM/ACHI/ACS to classify episodes of admitted patient care. These classifications are currently updated every two years to ensure they are fit for purpose and remain clinically current.

Descriptions of the ICD-10-AM/ACHI/ACS codes are not provided. You can access descriptions from [Independent Hospital Pricing authority](https://www.ihpa.gov.au/what-we-do/icd-10-am-achi-acs-classification) .

## Changes to NSW Admissions Policy

From 15 June 2017, emergency department (ED)-only episodes of care are no longer included in admitted patient data. Consideration should be given to excluding ED-only episodes of care from analyses to provide consistency with historical data. See the [HealthStats NSW Statistical methods paper](http://www.healthstats.nsw.gov.au/Resources/ED-admissions.pdf) for more detail.

## Geographical boundaries

Census year geographical boundaries (based on the patient’s residential address at the time of admission) are available for all years and for all records. When considering which version(s) of a boundary to select, you should consider which boundary versions are used in the relevant area-level data for the project (e.g. population data, SEIFA, or ARIA indices, other data source in a linked data project).

Postcode is not considered a geographical boundary.

## Facility identifier variables

The APDC includes fields that refer to individual facilities, including:

Facility identifier

Facility transferred to

Facility transferred from

For private hospitals, these fields can be supplied to researchers in three different ways: masked, consistently encrypted and identified (Table 1).

Table 1 Example of facility identifier options

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hospital sector | Actual | | Masked | | Consistently Encrypted | | Identified | |
| Code | Label | Code | Label | Code | Label | Code | Label |
| Public | X124 | Hosp. A | X124 | Hosp. A | X124 | Hosp. A | X124 | Hosp. A |
| Private | X351 | Hosp. B | PRIV | PRIV | XX32 | Blank | X351 | Hosp. B |
| Private | X352 | Hosp. C | PRIV | PRIV | XX34 | Blank | X352 | Hosp. C |

Unless specifically requested, only the masked facility identifier fields will be supplied to investigators. Access to consistently encrypted facility identifier fields is contingent on the following factors:

There is a strong and clear justification for having access to a field that could potentially re-identity private hospitals within the data collection.

The Data Custodian explicitly supports the request for that version of the facility identifier field.

Investigators seeking access to the identified version of the facility identifier fields should also ensure that the project documentation contains a clear explanation of why the aims of the study could not be met using consistently encrypted facility identifiers.

## Variables for describing patient journey and transfers

The following variables are recommended for use in analyses that seek to describe the patient journey (accounting for patient transfers between hospitals):

Facility identifier

Stay number

Episode sequence number

Episode start date and time

Episode end date and time

Episode of care type

Facility transferred to

Facility transferred from

Mode of separation

## Variables for linkage with NSW Emergency Department Data Collection (EDDC)

The following APDC variables are recommended for use in analyses that seek to link the NSW APDC with any corresponding EDDC records:

Facility identifier

Emergency department status

Source of referral

Episode start date and time

Episode end date and time

## Versions of Classification systems

Versions of classification systems change over time. We recommend using the appropriate version identifier to assist with interpretation:

Australian Refined Diagnosis related Group (AR-DRG) and Major Diagnostic Category: use AR DRG version

Service Related Group (SRG): use SRG version

Diagnosis codes, procedure codes and block numbers: use clinical codeset

# Access to information on Aboriginal and Torres Strait Islander peoples

An application to the Aboriginal Health and Medical Research Council (AH&MRC) ethics committee should be made for research projects for which one or more of the following apply:

The experience of Aboriginal people is an explicit focus of all or part of the research

Data collection is explicitly directed at Aboriginal peoples

Aboriginal peoples, as a group, are to be examined in the results

The information has an impact on one or more Aboriginal communities

Aboriginal health funds are a source of funding

Research that is not specifically directed at Aboriginal people or communities, such as for the total population or a sub-population (eg. rural NSW, people over 50 years old) can still potentially impact on Aboriginal people.

However, an application for such research need only be made to the Committee if any one of the following applies:

Any of the five factors listed above are present; or

Aboriginal people are known, or are likely, to be significantly over-represented in the group being studied (eg. compared to the 2.1% of the total NSW population as shown in the 2006 Census); or

The Aboriginal experience of the medical condition being studied is known, or is likely, to be different from the overall population; or

There are Aboriginal people who use the services being studied in distinctive ways, or who have distinctive barriers that limit their access to the services; or

It is proposed to separately identify data relating to Aboriginal people in the results.

The AH&MRC ethics committee have some specific requirements, including evidence of community engagement in the research. Relevant documents can be found on the AH&MRC website at: <http://www.ahmrc.org.au>. If you are unsure whether an application to the AH&MRC Ethics Committee is required, please seek the advice of the Ethics Committee secretariat (T: 02 9212 4777).

# Costing Admitted Patient Data

The Australian Refined Diagnosis Related Groups (AR DRG) classification system provides the health care industry with a consistent method of classifying types of patients, their treatment and associated costs.

The Independent Hospital Pricing Authority (IHPA) collects and maintains the National Hospital Cost Data Collection (NHCDC) for the public and private sectors of the Health Care Industry. IHPA publish cost reports for each financial year which include cost weight information by DRG and average costs per DRG. Separate cost reports are available for the private and public sector.

## Availability of cost information within the NSW Admitted Patient Data Collection

The AR-DRG classification is recorded for Public Hospital Admitted Patient Data Collection (APDC) episodes of care. For private hospitals, the AR-DRG is recorded for the stay for records until June 30 2014. In 2014/15 a new system was rolled out to collect data from private hospitals. As a result, the AR-DRG classification is no longer recorded for private hospital separations.

For research involving analysis or comparisons of costs, it will generally sufficient to request the AR-DRG classification and AR-DRG version for APDC records. The classifications can be mapped to average costs using the cost reports produced by IHPA.

# Data custodian

Executive Director, System Information and Analytics, NSW Ministry of Health.

All questions relating to this dataset should be directed to:

Dr Lee Taylor

Director, Epidemiology and Biostatistics

Centre for Epidemiology and Evidence

NSW Ministry of Health

100 Christie St

ST LEONARDS NSW 2065

Post: Locked Mail Bag 961

NORTH SYDNEY NSW 2059

Phone: 02 9391 9223

Fax: 02 9391 9232

E-mail: [Lee.Taylor1@health.nsw.gov.au](mailto:Lee.Taylor1@health.nsw.gov.au)

# Variable Information

| Variable | Description/Notes | Name in dataset | Codes |
| --- | --- | --- | --- |
| Hospital type | Flag to indicate if facility is public or private- based on the source system. | hospital\_type | See Codes: Hospital Type |
| Facility type | The category of the facility through which the health service is delivered. | facility\_type | See Codes: Facility Type |
| Peer group | Facility peer grouping (Public Hospitals only) For more information please see: <https://www1.health.nsw.gov.au/pds/Pages/doc.aspx?dn=IB2016_013> | peer\_group | See Codes: Peer Group |
| Acute Hospital Flag | Indicates whether or not the patient received the service at an acute facility. | acute\_flag |  |
| Local Health District of Facility |  | area\_identifier | See Codes: Local Heath District (LHD) |
| Facility identifier | The specific hospital, nursing home or day procedure centre reporting the inpatient episode of care. Where information on specific facilities is required, specify by name. | facility\_identifier\_recode | Code lists are updated regularly. |
| Episode start date | The date on which an admitted patient commences an episode of care, by either a formal admission to the hospital or a type change to a subsequent episode within the one stay in hospital. Full date will only be supplied if sufficient justification is supplied. Date may otherwise be supplied as year, year and month, or year, month and day of the week only | episode\_start\_date |  |
| Episode start time | The time at which an admitted patient commences an episode of care, by either a formal admission to the hospital or a type change to a subsequent episode within the one stay in hospital. | episode\_start\_time |  |
| Episode end date | The date on which an admitted patient completes an episode of care, by either a formal discharge from the hospital or by a statistical type change to a subsequent episode. Full date will only be supplied if sufficient justification is supplied. Date may otherwise be supplied as year, year and month, or year, month and day of the week only | episode\_end\_date |  |
| Episode length of stay | The number of days the patient spends in the hospital. From 2014-15 only available for public hospitals | episode\_length\_of\_stay | (episode end date –episode start date – leave days) |
| Episode of care type | This item is used to record the principal clinical intent or treatment goal of the care provided to the patient for the episode of care. | episode\_of\_care\_type | See Codes: Episode of Care Type |
| Mode of separation | The method (discharge, death, transfer, etc) by which the patient separates from the episode of care | mode\_of\_separation\_recode | See Codes: Mode of Separation |
| Facility transferred from | The hospital, nursing home or day procedure centre the patient was transferred from. | facility\_trans\_from\_recode |  |
| Facility transferred to | The hospital, nursing home or day procedure centre the patient was transferred to. | facility\_trans\_to\_recode |  |
| Referred to on separation | This variable records the service to which the patient was referred on separation from this episode of care (re-coded by adding a leading zero to values 1-9) | referred\_to\_on\_separation\_recode | See Codes: Referred to on Separation |
| Source of referral | The source from which the person was referred to the hospital (re-coded, by adding a leading zero to values 0-9). Refer to data custodian for codes for historical years of data | source\_of\_referral\_recode | See Codes: Source of Referral |
| Unit type on admission | The designation of each bed, in terms of type of care or group of patients, which the patient is accommodated in during his/her stay in hospital. From 2014-15 this variable is only available for public hospitals. | unit\_type\_on\_admission | See Codes: Unit Type on Admission |
| Hours in ICU | The number of hours the patient spent in a designated intensive care unit for this episode of care. | hours\_in\_icu |  |
| Hours on mechanical ventilation | The total number of completed hours that the patient has spent on mechanical ventilation during the episode of care. | hours\_on\_mech\_ventilation |  |
| Australian Refined Diagnosis Related Group | From 2014-15 ARDRG is available for public hospitals only | ar\_drg | <https://www.ihpa.gov.au/admitted-acute-care/ar-drg-classification-system> |
| Version number of the ARDRG codeset (essential for interpreting ar\_drg) | ar\_drg\_version |
| Major Diagnostic Category | Major Diagnostic Category (MDC) for the ARDRG | MDC | See Codes: Major Diagnostic Category |
| Service Related Group | Classifies patients according to the type of speciality service they principally receive. From 2014-15 only available for public hospitals | SRG | See Codes: Service Related Groups |
| SRG version (essential for interpreting SRG) | SRG\_version |  |
| Clinical codeset | The classification scheme used to code a procedure or diagnosis (clinical\_codeset is essential for interpreting diagnosis and procedure codes) | clinical\_codeset |  |
| Diagnosis codes | Diagnoses for the episode of care coded according to ICD-10-AM edition current at the end of the episode. Principal diagnosis has ‘P’ suffix | diagnosis\_codeP, diagnosis\_code1-diagnosis\_code50 | ICD-10-AM |
| Procedure codes | The ACHI code specific to each procedure undertaken during an episode of care, defining what was performed during the associated episode/event. Principal (or first listed) procedure has ‘P’ suffix. | procedure\_codeP, procedure\_code1-procedure\_code50 | ICD-10-AM ACHI |
| Procedure location | The location where the procedure was delivered. | procedure\_locationP, procedure\_location1-procedure\_location49 |  |
| Health insurance on admission | Indicates whether the person receiving the inpatient service is insured with top cover or basic cover, or not insured at the time of admission. This variable is not intended to indicate whether or not the person utilises hospital benefit entitlements. | health\_insurance\_on\_admit | See Codes: Health Insurance on Admission |
| Payment status on separation | Indicates the payment status of the patient. | payment\_status\_on\_sep | See Codes: Payment Status on Separation |
| Sex | The biological sex of the patient. | sex | See Codes: Sex |
| Birth date | Full date of birth will only be supplied if sufficient justification is supplied that age in years is insufficient. Year and month may be provided | birth\_date |  |
| Country of birth (SACC) | Coding for this variable in private data may not be according to the SACC 2016 | country\_of\_birth\_SACC | [SACC 2016](https://www.abs.gov.au/ausstats/abs@.nsf/mf/1269.0) |
| Country of usual residence | Coding for this variable in private data may not be according to the SACC 2nd Edition | country\_of\_usual\_residence | [SACC 2nd edition](https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/1269.0Main+Features1Second%20Edition) |
| Marital status | The marital status of the patient on admission to the episode of care | marital\_status | See Codes: Marital Status |
| Indigenous status | Whether the person is Aboriginal or Torres Strait Islander, based on the person’s own self-report. See notes above regarding access to this variable. | indigenous\_status | See Codes: Indigenous Status |
| State of residence | Indicates the Australian state of residence for the patient. | state\_of\_recidence\_recode | See Codes: State of Residence |
| LHD of residence | Local Health District of residence (2010 boundaries) | LHD\_2010\_code | See Codes: Local Heath District (LHD) |
| Primary Health Network 2015 | Primary Health Network 2015 | PHN\_2015\_Code | [PHN Boundaries](https://www1.health.gov.au/internet/main/publishing.nsf/Content/PHN-Boundaries) |
| Australian Statistical Geography Classification (ASGC) 2001 Boundaries | Statistical Local Area 2001 | SLA\_2001\_code | [Australian Statistical Geography Classification 2001](mailto:•%09https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/1216.0Main+Features12001) |
| Local Government Area 2001 | LGA\_2001\_code |
| Australian Statistical Geography Classification (ASGC) 2006 Boundaries | 2006 Statistical Local Area 2006 | SLA\_2006\_code | [Australian Statistical Geography Classification 2006](https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/1216.0Main+Features1Jul%202006) |
| Local Government Area 2006 | LGA\_2006\_code |
| Australian Statistical Geography Classification (ASGC) 2011 Boundaries | Statistical Local Area 2011 | SLA\_2011\_code | [Australian Statistical Geography Classification 2011](https://www.abs.gov.au/ausstats/abs@.nsf/PrimaryMainFeatures/1216.0.15.001?OpenDocument) |
| Australian Statistical Geography Standard (ASGS) 2011 Boundaries | Statistical Area Level 2 | SA2\_2011\_code | [Australian Statistical Geography Standard 2011](mailto:•%09https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/1270.0.55.001Main+Features1July%20201) |
| Statistical Area Level 3 | SA3\_2011\_code |
| Local Government Area 2011 | LGA\_2011\_code |

# Appendix – Code lists

## Codes: Facility Type

| Code | Description |
| --- | --- |
| 1 | Public Hospital, Oncology/Cancer Outpatient Department |
| 2 | Screening Service (DoHRS Financial) |
| 3 | Community Health Centre, Dental Service |
| 4 | Public Hospital, Drug & Alcohol Unit |
| 5 | Public Hospital, Non-Psych Ward or Unit |
| 9 | Not Applicable |
| A | NSW Area Health Services |
| AHD | NSW Area Health Service Sub-Divisions |
| B | Linen Services (DOHRS Financial) |
| BIR | Public Hospital, Brain Injury Rehabilitation Unit |
| C | Public Hospital, Privately Managed under Contract |
| CAD | Community Residential, Confused and Disturbed Elderly unit |
| CAP | Community Acute & Post Acute Care (CAPAC) |
| CDA | Community Health Centre, Drug & Alcohol Service |
| CMH | Mental Health, Community Residential Facility |
| CMN | Mental Health, CAMHSNET Service |
| COM | Community Health Centre, Public Facility |
| COU | Justice Health, Courts |
| CRC | Community Residential Care Facility, NEC |
| CTC | Community Residential Transitional Care Service |
| D | Private Day Procedure Centre |
| DEN | Public Hospital, Outpatient Dental Facility |
| DOH | NSW Health Department |
| E | Biomedical engineering services (DOHRS Financial) |
| ERR | Record created in Error - Not to be used for Reporting |
| F | Food services (DoHRS Financial) |
| FLO | Inter-State & Intra-State Patient Flows |
| G | Area Program Services (DOHRS Financial) |
| GRP | Mental Health, Community Residential Group Home |
| H | Public hospital, Recognised (Non-Psych), NSW |
| HED | Public hospital, Emergency Department, NSW |
| HIT | Public Hospital, Hospital in the Home Service |
| HOP | Public hospital Outpatient Clinic, NFD |
| HPC | Community Residential Hospice |
| HWM | Public hospital, Psych Admitting Ward or Unit |
| I | Information and Information technology services (DoHRS Financial) |
| J | Medical Imaging Services |
| JAD | Justice Health, D&A, Admitting Ward or Unit |
| JAH | Justice Health, Admitting Entity |
| JAM | Justice Health, Ambulatory Care Facility, NFD |
| JCH | Justice Health, Community Health Centre |
| JDA | Justice Health, D&A service |
| JDU | Justice Health, Dental Unit |
| JOP | Justice Health, Outpatient Department or Clinic |
| JST | Justice Health, Outpatient Service Team |
| K | Financial business units (DoHRS Financial) |
| L | Pathology business unit, Not Further defined |
| LBH | Pathology Laboratory, In Public Hospital |
| LBO | Pathology Laboratory, Non-Hospital, Public |
| LBP | Pathology Laboratory, Private Sector, NSW |
| LBU | Pathology Business Unit (DOHRS Financial) |
| LIV | Community Health Centre, Living Skills Service |
| LOC | Service Point Location (Other than Mental Health) |
| M | Public Multi-Purpose Service, Admitting Entity |
| MHH | Mental Health, Community Hostel |
| MHL | Mental Health, Service Locations |
| MHN | Mental Health Service, NEC |
| MPA | Public Multi-Purpose Service, D&A Service |
| MPR | Public Residential Aged Care Facility within MP' = 'S |
| N | Private Residential Aged Care Facility (Nursing Home) |
| NGA | Non-Govt Organisations, D&A Service |
| NGO | Non-Government Organisations, NEC |
| NUC | Nuclear Medicine unit |
| O | Other Type of Facility, Not Elsewhere Classified |
| OBS | Obsolete Facility of Former Area Structure |
| OVS | Overseas Health Authority or Health Service Provider |
| P | Private hospital, Admitting Entity |
| PAM | Private Sector, Ambulatory Care Facility, NEC |
| PCH | Private Community Health Service |
| PDA | Private Hospital, Drug & Alcohol Service |
| PHA | Pharmacy |
| POU | Private Hospital, Outpatient Department or Unit |
| Q | Community Health Centre, NFD as Public or Private |
| R | Public Residential Aged Care Facility (Nursing Home) |
| REH | Community Health Centre, Rehabilitation Service |
| RFD | Royal Flying Doctor Service |
| S | Mental Health, Public Psychiatric hospital |
| SDA | Mental Health, Public Psychiatric Hospital D&A Unit |
| SSS | NSW State-Wide or Shared Service |
| SVU | Service Unit, NFD |
| SWD | Mental Health, Public Psychiatric Hospital Admitting Ward or Unit |
| T | Inter State / Territory Health Authority |
| TLC | Community Health Transitional Living Unit |
| TLH | Public Hospital, Brain Injury Transitional Living Unit |
| U | Material Business Units (DOHRS Financial) |
| V | Capital Works Business Units |
| W | Community Residential Care Facility, NFD |
| X | NSW Public Health Units |
| XXX | Unallocated Facility Type (To be Determined) |
| Y | Justice Health, Correctional Centre |
| Z | Private Sleep Disorder Centre, Admitting Entity |

## Codes: Financial class

| Code | Description |
| --- | --- |
| 12 | Department of Veterans Affairs Claim - General Overnight |
| 23 | Department of Veterans Affairs Claim - Same Day Band 2 |
| 24 | Department of Veterans Affairs Claim - Same Day Band 3 |
| 25 | Department of Veterans Affairs Claim - Same Day Band 4 |
| 32 | Department of Veterans Affairs Claim - Nursing Home Type |
| 56 | Department of Veterans Affairs Claim - Same Day Band 1a |
| 57 | Department of Veterans Affairs Claim - Same Day Band 1b |
| 58 | Department of Veterans Affairs Claim - Same Day Band 1c |
| AC | Residential Aged Care - General - Shared Ward |
| AD | Residential Aged Care - Department of Veterans Affairs |
| AO | Residential Aged Care - Other Compensable |
| AS | Residential Aged Care - General - Single Room |
| AT | Residential Aged Care - Transcover Compensation |
| AV | Residential Aged Care - NSW Motor Accident Authority Compensation |
| AW | Residential Aged Care - Workers Compensation |
| BD | Brain Dead Organ Donor - Procurement |
| BO | Boarder (Other than Self Contained Unit) |
| BS | Boarder (Self Contained Unit) |
| C1 | Other Compensable - Critical - Same Day |
| C2 | Other Compensable - Non-Critical - Same Day |
| C3 | Other Compensable - Critical - Overnight |
| C4 | Other Compensable - Non-Critical - Overnight |
| CU | Resident - Confused & Disturbed Elderly (CADE) Bed/Unit |
| DC | Deferred Classification |
| DO | Organ Donor - Overseas Visitor |
| E2 | Medicare Card Holder - Elected Doctor - General - Same Day Band 2 |
| E3 | Medicare Card Holder - Elected Doctor - General - Same Day Band 3 |
| E4 | Medicare Card Holder - Elected Doctor - General - Same Day Band 4 |
| EA | Medicare Card Holder - Elected Doctor - General - Same Day Band 1a |
| EB | Medicare Card Holder - Elected Doctor - General - Same Day Band 1b |
| EC | Medicare Card Holder - Elected Doctor - General - Same Day Band 1c |
| EN | Medicare Card Holder - Elected Doctor - Nursing Home Type - Shared Ward Election |
| ER | Medicare Card Holder - Elected Doctor - Nursing Home Type - Single Room Election |
| ES | Medicare Card Holder - Elected Doctor - General - Single Room Election |
| EW | Medicare Card Holder - Elected Doctor - General - Overnight - Shared Ward Election |
| HO | Resident - Hostel |
| M2 | Medicare Card Holder - Hospital Doctor - General - Same Day Band 2 |
| M3 | Medicare Card Holder - Hospital Doctor - General - Same Day Band 3 |
| M4 | Medicare Card Holder - Hospital Doctor - General - Same Day Band 4 |
| MA | Medicare Card Holder - Hospital Doctor - General - Same Day Band 1a |
| MB | Medicare Card Holder - Hospital Doctor - General - Same Day Band 1b |
| MC | Medicare Card Holder - Hospital Doctor - General - Same Day Band 1c |
| MN | Medicare Card Holder - Hospital Doctor - Nursing Home Type - Shared Ward Election |
| MW | Medicare Card Holder - Hospital Doctor - General - Overnight - Shared Ward Election |
| ND | Overseas Visitor - Norfolk Island - Same Day |
| NO | Overseas Visitor - Norfolk Island - Overnight |
| OA | Overseas Visitor - Asylum Seeker - Overnight |
| OD | Overseas Visitor - Other - Same Day |
| OO | Overseas Visitor - Other - Overnight |
| OS | Overseas Visitor - Asylum Seeker - Same Day |
| PD | Prisoner - Hospital Doctor - Same Day |
| PO | Prisoner - Hospital Doctor - Overnight |
| R2 | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 2 |
| R3 | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 3 |
| R4 | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 4 |
| RA | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 1a |
| RB | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 1b |
| RC | Overseas Visitor - Reciprocal - Hospital Doctor - Same Day Band 1c |
| RN | Overseas Visitor - Reciprocal - Hospital Doctor - Nursing Home Type |
| RP | Drug Trial / Research Patient |
| RW | Overseas Visitor - Reciprocal - Hospital Doctor - General - Overnight |
| S1 | Psychiatric Hospital - Interstate Resident - Same Day |
| S2 | Psychiatric Hospital - Interstate Resident - Overnight |
| S3 | Psychiatric Hospital - Overseas Visitor - Same Day |
| S4 | Psychiatric Hospital - Overseas Visitor - Overnight |
| SD | Psychiatric Hospital - NSW Resident - Same Day |
| SO | Psychiatric Hospital - NSW Resident - Overnight |
| T1 | TransCover Compensation - Critical - Same Day |
| T2 | TransCover Compensation - Non-Critical - Same Day |
| T3 | TransCover Compensation - Critical - Overnight |
| T4 | TransCover Compensation - Non-Critical - Overnight |
| TD | Overseas Visitor - Tuberculosis - Hospital Doctor - Same Day |
| TO | Overseas Visitor - Tuberculosis - Hospital Doctor - Overnight - Shared Ward Election |
| U1 | Medicare Card Holder - Unqualified Newborn of Public Patient - Same Day |
| U2 | Medicare Card Holder - Unqualified Newborn of Public Patient - Overnight |
| U3 | Medicare Card Holder - Unqualified Newborn of Private Patient - Same Day |
| U4 | Medicare Card Holder - Unqualified Newborn of Private Patient - Overnight |
| U5 | Overseas Visitor - Reciprocal - Unqualified Newborn - Same Day |
| U6 | Overseas Visitor - Reciprocal - Unqualified Newborn - Overnight |
| U7 | Overseas Visitor - Other - Unqualified Newborn - Same Day |
| U8 | Overseas Visitor - Other - Unqualified Newborn - Overnight |
| V1 | NSW Motor Accident Authority Compensation - Critical - Same Day |
| V2 | NSW Motor Accident Authority Compensation - Non-Critical - Same Day |
| V3 | NSW Motor Accident Authority Compensation - Critical - Overnight |
| V4 | NSW Motor Accident Authority Compensation - Non-Critical - Overnight |
| VD | Overseas Visitor - Victim of Crime - Hospital Doctor - Same Day |
| VO | Overseas Visitor - Victim of Crime - Hospital Doctor - Overnight - Shared Ward Election |
| W1 | Workers Compensation - Critical Care - Same Day |
| W2 | Workers Compensation - Non-Critical Care - Same Day |
| W3 | Workers Compensation - Critical Care - Overnight |
| W4 | Workers Compensation - Non-Critical Care - Overnight |
| OTHER | Invalid Data |

## Codes: Unit Type on Admission

| Code | Description | Type | Sub category |
| --- | --- | --- | --- |
| 01 | General-Mixed | Admitted patient | Overnight |
| 02 | Rehabilitation | Admitted patient | Overnight |
| 03 | Palliative | Admitted patient | Overnight |
| 04 | Psychiatric Acute Care | Admitted patient | Designated psychiatric |
| 05 | Psychiatric Rehabilitation | Admitted patient | Designated psychiatric |
| 06 | Psychiatric Secure | Admitted patient | Designated psychiatric |
| 07 | Drug and Alcohol | Admitted patient | Overnight |
| 08 | Brain Injury Rehabilitation | Admitted patient | Overnight |
| 12 | Psychiatric Intensice Care | Admitted patient | Designated psychiatric |
| 13 | Post Natal Depression | Admitted patient | Designated psychiatric |
| 15 | General Intensive Care | Admitted patient | Overnight |
| 16 | Neonate Special Care Nursery | Admitted patient | Overnight |
| 17 | Emergency Department - Level 4 and Above | Admitted patient | Virtual |
| 18 | Mother Craft | Admitted patient | Overnight |
| 20 | Psychiatric Extended Care | Admitted patient | Designated psychiatric |
| 21 | Neuro-Psychiatry | Admitted patient | Designated psychiatric |
| 22 | Dual Diagnosis | Admitted patient | Designated psychiatric |
| 24 | Confused and Disturbed Elderly (CADE): Psychiatric Not used after 20170701 | Admitted patient | Designated psychiatric |
| 25 | Hospital in the Home - General | Admitted patient | Virtual |
| 26 | Hospital in the Home - Drug and Alcohol | Admitted patient | Virtual |
| 28 | Hospital in the Home - Mental Health NOT CURRENTLY IN USE | Admitted patient | Virtual |
| 29 | Collaborative Care Service Provider - General | Admitted patient | Virtual |
| 30 | Collaborative Care Service Provider - Drug and Alcohol | Admitted patient | Virtual |
| 32 | Collaborative Care Service Provider - Mental Health | Admitted patient | Virtual |
| 33 | Coronary Care | Admitted patient | Overnight |
| 34 | High Dependency Care | Admitted patient | Overnight |
| 37 | Neonatal Intensive Care | Admitted patient | Overnight |
| 38 | Transplant | Admitted patient | State-wide specialist units |
| 39 | Same Day Renal Dialysis | Admitted patient | Same day |
| 40 | Specialist Spinal Injury | Admitted patient | State-wide specialist units |
| 41 | Severe Burns | Admitted patient | State-wide specialist units |
| 42 | Dental Service | Admitted patient | State-wide specialist units |
| 43 | Paediatric | Admitted patient | Overnight |
| 46 | Medical | Admitted patient | Overnight |
| 47 | Surgical | Admitted patient | Overnight |
| 48 | Medical Oncology | Admitted patient | Overnight |
| 49 | Obstetrics | Admitted patient | Overnight |
| 50 | Psychiatric Medium Secure NOT CURRENTLY IN USE | Admitted patient | Designated psychiatric |
| 53 | Brain Injury Transitional Living | Admitted patient | Overnight |
| 58 | Emergency Department - Level 1 and 2 | Admitted patient | Virtual |
| 59 | Emergency Medical | Admitted patient | Overnight |
| 60 | Bassinet | Other |  |
| 61 | Detoxification | Admitted patient | Overnight |
| 62 | CAMHS Supported Paediatric | Admitted patient | Designated psychiatric |
| 63 | CAMHS Supported Psychiatric | Admitted patient | Designated psychiatric |
| 64 | CAMHS Acute | Admitted patient | Designated psychiatric |
| 65 | CAMHS Non-Acute | Admitted patient | Designated psychiatric |
| 66 | Delivery Suite | Other |  |
| 67 | Operating Theatre/Recovery | Other |  |
| 68 | Mobile Service | Admitted patient | Same day |
| 69 | Stroke | Admitted patient | Overnight |
| 71 | Same Day Chemotherapy | Admitted patient | Same day |
| 72 | Sleep Disorder (<24 hour care) | Admitted patient | Same day |
| 73 | Same Day Mental Health | Admitted patient | Same day |
| 74 | Same Day Drug and Alcohol | Admitted patient | Same day |
| 75 | Same Day Not Elsewhere Classified | Admitted patient | Same day |
| 76 | Transit Lounge | Other |  |
| 79 | Gynaecology | Admitted patient | Overnight |
| 80 | Same Day Medical | Admitted patient | Same day |
| 81 | Same Day Surgical | Admitted patient | Same day |
| 82 | Extended Short Stay Surgical (<24 hrs) | Admitted patient | Same day |
| 85 | Psychiatric Emergency | Admitted patient | Designated psychiatric |
| 87 | Medical Asessment Unit | Admitted patient | Overnight |

## Codes: Hospital Type

| Code | Description |
| --- | --- |
| 1 | Public Hospital |
| 2 | Private Hospital (data prior to 2014-15) |
| 4 | Private Hospital (data from 2014-15) |

## Codes: Peer Group

|  |  |
| --- | --- |
| Code | Description |
| A1 | Principal Referral |
| A2 | Paediatric Specialist |
| A3 | Ungrouped Acute - tertiary referral |
| B1 | Major Hospitals Group 1 |
| B2 | Major Hospitals Group 2 |
| C1 | District Group 1 |
| C2 | District Group 2 |
| D1a | Community with Surgery |
| D1b | Community without Surgery |
| E | Ungrouped Acute - Other |
| F1 | Psychiatric |
| F2 | Nursing Home |
| F3 | Multi-Purpose Service |
| F4 | Sub Acute |
| F5 | Palliative Care |
| F6 | Rehabilitation |
| F7 | Mothercraft |
| F8 | Other ungrouped |
| F9 | Dialysis services |
| M | Mental Health |

## Codes: Local Heath District (LHD)

|  |  |
| --- | --- |
| Code | Description |
| X700 | Sydney LHD |
| X710 | South Western Sydney LHD |
| X720 | South Eastern Sydney LHD |
| X730 | Illawarra Shoalhaven LHD |
| X740 | Western Sydney LHD |
| X750 | Nepean Blue Mountains LHD |
| X760 | Northern Sydney LHD |
| X770 | Central Coast LHD |
| X800 | Hunter New England LHD |
| X810 | Northern NSW LHD |
| X820 | Mid North Coast LHD |
| X830 | Southern NSW LHD |
| X840 | Murrumbidgee LHD |
| X850 | Western NSW LHD |
| X860 | Far West LHD |
| X630 | Sydney Children’s Hospitals Network |
| X690 | St Vincent’s Health Network |
| X180 | Forensic Mental Health Network |
| X170 | Justice Health |
| X910 | NSW not further specified |
| X920 | Victoria |
| X921 | Albury (Victoria in-reach) |
| X930 | Queensland |
| X940 | South Australia |
| X950 | Western Australia |
| X960 | Tasmania |
| X970 | Northern Territory |
| X980 | Australian Capital Territory |
| X990 | Other Australian Territories |
| X997 | Overseas Locality |
| X998 | No Fixed Address |
| 9999 | Missing |

## Codes: Episode of Care Type

|  |  |
| --- | --- |
| Code | Description |
| 1 | Acute Care |
| 2 | Rehabilitation Care |
| 3 | Palliative Care |
| 4 | Maintenance Care |
| 5 | Newborn Care |
| 6 | Other Care |
| 7 | Geriatric Evaluation and Management |
| 8 | Psychogeriatric Care |
| 9 | Organ Procurement – Posthumous |
| 0 | Hospital Boarder |
| M | Mental Health |

## Codes: Mode of Separation

|  |  |
| --- | --- |
| Code | Description |
| 0 | Discharge on leave |
| 1 | Discharged by hospital |
| 2 | Discharged at own risk |
| 3 | Transferred to nursing home |
| 4 | Transferred to psychiatric hospital |
| 5 | Transferred to other hospital |
| 6 | Died (autopsy) |
| 7 | Died (no autopsy) |
| 8 | Transferred other accommodation |
| 9 | Type change separation |
| 10 | Discharge on leave |
| 11 | Transferred to palliative care unit/hospice |

## Codes: Contract Status

|  |  |
| --- | --- |
| Code | Description |
| 0 | Single Facility Admitted Patient Care |
| 1 | Contract Service Provided at this Facility |
| 2 | Not a Contract Service Provided at this Facility |
| 3 | Full Care Purchased from a Private Facility |
| 4 | Part Care Purchased from a Private Facility |
| 5 | Part Care Obtained from another Public Facility |
| 7 | Part Care Provided for another Public Facility |
| 8 | Part Care Provided for a Private Facility |
| R | Community Residential |

## **Codes: Emergency Status**

|  |  |
| --- | --- |
| Code | Description |
| 1 | Emergency |
| 2 | Non-Emergency/Planned |
| 3 | Urgency Not Assigned |
| 4 | Maternity/Newborn |
| 5 | Regular Same Day Planned Admissions |

## Codes: ED Status

|  |  |
| --- | --- |
| Code | Description |
| 1 | Entire episode within ED (for Level >=3) only |
| 2 | Episode includes ED (for Level >=3) and ward |
| 3 | Episode with no ED involvement |
| 4 | Entire episode within ED (for Level 1 or 2) only |
| 5 | Episode includes ED (for Level 1 or 2) and ward |
| 9 | Not assigned |

## Codes: Referred to on Separation

|  |  |
| --- | --- |
| Code | Description |
| 01 | Outpatients excluding Mental Health/Alcohol & Other Drugs Non-Inpatient Facility |
| 02 | Community Health excluding Mental Health/Alcohol & Other Drugs Non-Inpatient Facility |
| 03 | District Nursing |
| 04 | Medical Practitioner other than Psychiatric |
| 05 | Group Home |
| 06 | Palliative Care |
| 07 | Other |
| 08 | Not Referred |
| 09 | Not Known |
| 10 | Private Psychiatric Practice |
| 11 | Mental Health/Alcohol and Other Drugs Inpatient Facility |
| 12 | Mental Health/Alcohol and Other Drugs Non-Inpatient Facility |
| 13 | Community Treatment Order |

## Codes: Source of Referral

|  |  |
| --- | --- |
| Code | Description |
| 00 | Born in Hospital |
| 01 | Emergency Department |
| 02 | Community Health |
| 03 | Outpatients |
| 04 | Hospital in same Health Service |
| 05 | Other Hospital/Day Procedure Centre |
| 06 | Nursing Home/ Residential Aged Care Facility |
| 07 | Medical Practitioner other than Private Psychiatric Practice |
| 08 | Other Agency |
| 09 | Type Change Admission |
| 10 | Private Psychiatric Practice |
| 11 | Law Enforcement Agency |
| 12 | Mental Health Crisis Team |
| 13 | Relative |
| 14 | Self |
| 15 | Unknown |
| 16 | Collaborative Care Facility |

## Codes: Major Diagnostic Category

| Code | Description |
| --- | --- |
| 1 | Nervous System |
| 2 | Eye |
| 3 | Ear, Nose and Throat |
| 4 | Respiratory System |
| 5 | Circulatory System |
| 6 | Digestive System |
| 7 | Hepatobiliary System and Pancreas |
| 8 | Musculoskeletal System and Connective Tissues |
| 9 | Skin, Subcutaneous Tissue and Breast |
| 10 | Endocrine, Nutritional and Metabolic |
| 11 | Kidney and Urinary Tract |
| 12 | Male Reproductive System |
| 13 | Female Reproductive System |
| 14 | Pregnancy, Childbirth and the Puerperium |
| 15 | Newborns/Neonates with conditions originating in perinatal period |
| 16 | Blood & Blood Forming Organs & Immunity |
| 17 | Myeloproliferative Disorders & Poorly Differentiated Neoplasms |
| 18 | Infectious and Parasitic Diseases |
| 19 | Mental Diseases and Disorders |
| 20 | Substance Use & Substance Induced Organic Mental Disorders |
| 21 | Injury,Poisoning and Toxic Effects of Drugs |
| 22 | Burns |
| 23 | Factors Influencing Health Status & Other Contacts with Health Services |
| OTHER | Invalid Data |

## Codes: Service Related Groups

|  |  |
| --- | --- |
| Code | Description |
| 11 | Cardiology |
| 12 | Interventional Cardiology |
| 13 | Dermatology |
| 14 | Endocrinology |
| 15 | Gastroenterology |
| 16 | Diagnostic GI Endoscopy |
| 17 | Haematology |
| 18 | Immunology & Infections |
| 19 | Medical Oncology |
| 20 | Chemotherapy |
| 21 | Neurology |
| 22 | Renal Medicine |
| 23 | Renal Dialysis |
| 24 | Respiratory Medicine |
| 25 | Rheumatology |
| 26 | Pain Management |
| 27 | Non Subspecialty Medicine |
| 41 | Breast Surgery |
| 42 | Cardiothoracic Surgery |
| 43 | Colorectal Surgery |
| 44 | Upper GIT Surgery |
| 45 | Head & Neck Surgery |
| 46 | Neurosurgery |
| 47 | Dentistry |
| 48 | Ear, Nose & Throat |
| 49 | Orthopaedics |
| 50 | Ophthalmology |
| 51 | Plastic & Reconstructive Surgery |
| 52 | Urology |
| 53 | Vascular Surgery |
| 54 | Non Subspecialty Surgery |
| 61 | Transplantation |
| 62 | Extensive Burns |
| 63 | Tracheostomy |
| 71 | Gynaecology |
| 72 | Obstetrics |
| 73 | Qualified Neonate |
| 74 | Unqualified Neonate |
| 75 | Perinatology |
| 81 | Drug & Alcohol |
| 82 | Psychiatry - Acute |
| 83 | Psychiatry - Non Acute |
| 84 | Rehabilitation |
| 85 | Non Acute Geriatric |
| 86 | Palliative Care |
| 87 | Maintenance |
| 99 | Unallocated |

## Codes: Condition Onset

|  |  |
| --- | --- |
| Code | Description |
| 1 | Condition with onset during the episode of care |
| 2 | Condition not noted as arising during the episode of care |
| 9 | Not reported |

## Codes: Health Insurance on Admission

|  |  |
| --- | --- |
| Code | Description |
| 0 | No cover – private patient |
| 1 | Full cover – private patient |
| 2 | Basic cover – private patient |
| 3 | No cover |
| 4 | Ancillary cover only – private patient |
| 5 | No cover – public patient |
| 6 | Full cover – public patient |
| 7 | Basic cover – public patient |
| 8 | Ancillary cover only – public patient |
| 9 | Unknown/Not stated |
| Other | invalid data |

## Codes: Payment Status on Separation

|  |  |
| --- | --- |
| Code | Description |
|  | Missing |
| 20 | Public Patient - General and Psychiatric |
| 21 | Public Patient - Nursing Home Type with current NH5 |
| 22 | Public Patient - Nursing Home Type without current NH5 |
| 23 | Public Patient - Overseas Eligible |
| 24 | Public Patient - Other Eligible |
| 25 | Public Patient - Contract (Private Facilities Only) |
| 30 | Private Patient - General and Psychiatric (Private Facilities Only) |
| 31 | Private Patient - Same Day Band 1 |
| 32 | Private Patient - Same Day Band 2 |
| 33 | Private Patient - Same Day Band 3 |
| 34 | Private Patient - Same Day Band 4 |
| 35 | Private Patient - Overnight Shared Ward |
| 36 | Private Patient - Overnight Single Room |
| 37 | Private Patient - Nursing Home Type |
| 38 | Private Patient - Overseas Eligible |
| 39 | Private Patient - Other Eligible |
| 40 | Compensable - NSW Workers Compensation |
| 41 | Compensable - NSW Motor Vehicle Accident |
| 42 | Compensable - Other |
| 45 | Unqualified Newborn of Public Patient |
| 46 | Unqualified Newborn of Private Patient |
| 50 | Veterans Affairs - General |
| 51 | Veterans Affairs - Residential Aged Care |
| 52 | Residential Aged Care - Other |
| 55 | Defence Force |
| 60 | Other Ineligible |

## Codes: Financial Program

|  |  |
| --- | --- |
| Code | Description |
| 2 | Primary & Community Based Services |
| 4 | Emergency Services |
| 5 | Acute Services |
| 8 | Mental Health Services |
| 9 | Rehabilitation & Extended Care |

## Codes: Financial Sub-program

|  |  |
| --- | --- |
| Code | Description |
| B | Child & Adolescent Care |
| C | General & Adult Care |
| D | Older People Psychiatric Care |
| E | Forensic Psychiatric Care |

## Codes: Sex

|  |  |
| --- | --- |
| Code | Description |
| 1 | Male |
| 2 | Female |
| 3 | Indeterminate/Intersex |
| 4 | Transgender |
| 9 | Not stated/inadequately described/unknown |

## Codes: Age Group

|  |  |
| --- | --- |
| Code | Description |
| 1 | 0 - 4 years |
| 2 | 5 - 9 years |
| 3 | 10 - 14 years |
| 4 | 15 - 19 years |
| 5 | 20 - 24 years |
| 6 | 25 - 29 years |
| 7 | 30 - 34 years |
| 8 | 35 - 39 years |
| 9 | 40 - 44 years |
| 10 | 45 - 49 years |
| 11 | 50 - 54 years |
| 12 | 55 - 59 years |
| 13 | 60 - 64 years |
| 14 | 65 - 69 years |
| 15 | 70 - 74 years |
| 16 | 75 - 79 years |
| 17 | 80 - 84 years |
| 18 | 85+ years |
| 19 | Missing / invalid data |

## Codes: Marital Status

|  |  |
| --- | --- |
| Code | Description |
| 0 | Missing |
| 1 | Married (including de facto) |
| 2 | Never married |
| 3 | Widowed |
| 4 | Divorced |
| 5 | Separated |
| 6 | Unknown |
| 8 | Declined to respond |

## Codes: Indigenous Status

|  |  |
| --- | --- |
| Code | Description |
| 1 | Aboriginal |
| 2 | Torres Strait Islander |
| 3 | Aboriginal and Torres Strait Islander origin |
| 4 | Neither Aboriginal nor Torres Strait Islander |
| 5 | Indigenous – not further specified |
| 8 | Declined to respond |
| 9 | Unknown |

## Codes: State of Residence

|  |  |
| --- | --- |
| Code | Description |
| 0 | Overseas / No fixed address / Not stated |
| 1 | New South Wales |
| 2 | Victoria |
| 3 | Queensland |
| 4 | South Australia |
| 5 | Western Australia |
| 6 | Tasmania |
| 7 | Northern Territory |
| 8 | Australian Capital Territory |
| 9 | Other Territories |

## 