

Emergency Department Data Collection

Data Quality Statement



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Government of South Australia
SA Health

SA·NT



DataLink

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www.santdatalink.org.au

EMERGENCY DEPARTMENT DATA COLLECTION

Data Quality Statement

This Data Quality Statement is intended to assist Researchers with understanding the strengths, weaknesses and utility of this dataset for Statistical Linkage Projects. This dataset has been assessed against the seven dimensions of data quality, as set out in the Australian Bureau of Statistics [Data Quality Framework](#):

- [Institutional Environment](#)
- [Relevance](#)
- [Timeliness](#)
- [Accuracy](#)
- [Coherence](#)
- [Interpretability](#)
- [Accessibility](#)

The Emergency Department Data Collection (EDDC) contains de-identified, demographic, administrative and clinical data detailing presentations to Emergency Departments (ED) at public metropolitan hospitals in South Australia.

Data is collected from Hospital Administration Software Solutions-Emergency Department (HASS-ED) systems for all metropolitan hospitals except Flinders Medical Centre (FMC) and Modbury Hospital (MPH). FMC and MPH do not use HASS-ED and their data is collected from their own local systems. Data is submitted monthly via an encrypted xml file which is loaded and validated in a holding area prior to its inclusion in the EDDC. Each month after data is loaded, processed and cleaned it is transferred to the Central Data Warehouse/Health Information Portal (CDW/HIP).

Institutional Environment

Organisation

SA Health

Authority for Collection

Required under the National Health Care and National Health Information Agreements (NHCA & NHIA).

Relevance

Purpose of the Collection

The purpose of the collection is to enable comparisons of performance in respect to access to services, quality clinical outcomes and patient management. The collection aims to show patterns in presentations to assist in the planning of services and improvement of care and outcomes for the South Australian public.

The EDDC is based on the 'Non-admitted Patient Emergency Department Care' National Minimum Data Set (NMDS). The purposes of collecting this data in South Australia are to:

- Enable the collection of data for deriving ED performance indicators;
- Enable comparisons of performance in respect to access to services, quality clinical outcomes, patient management, customer satisfaction and cost effectiveness; and
- Satisfy the requirements for collecting non-admitted patient ED data under the National Health Care and National Health Information Agreements (NHCA & NHIA).

Population Covered

The scope of this data collection currently covers the Emergency Departments of all the major metropolitan public hospitals. Data is currently collected from the following hospitals:

- Flinders Medical Centre (FMC);
- Lyell McEwin Hospital (LMH);
- Modbury Hospital (MPH);
- Noarlunga Health Service (NHS);
- Repatriation General Hospital (RGH);
- Royal Adelaide Hospital (RAH);
- The Queen Elizabeth Hospital (TQEH);
- Women's & Children's Hospital – Paediatric Services (WCH - Paed); and
- Women's & Children's Hospital – Women's Assessment Services (WCH – WAS).

Presentations from selected Country Hospital EDs may be added to the collection in the future.

Geographic Coverage

South Australia – full coverage of major public metropolitan EDs.

Reference Period

Metropolitan public hospital ED presentations are available for data linkage from 1 July 2003.

The EDDC commenced in 2003. Although data was not routinely submitted until May 2004, data exists in the collection from January 2000; however, only data from the 2003/04 financial year onwards is available from the Central Data Warehouse/Health Information Portal (CDW/HIP).

Timeliness

Frequency of Collection

All major metropolitan EDs submit data monthly.

Frequency of Release

Annual

Timeliness of Release

Identified data for the purposes of linkage will be provided on the 30th November of each year for the preceding financial year.

Accuracy

Quality Assurance

Validation and quality assurance procedures are documented in the EDDC Manual, section 4.

Coverage

EDDC does not contain name and address information and so for the purposes of linkage these elements are added for metropolitan hospitals through linkage to Open Architecture Clinical Information Systems (OACIS). Although the quality of this linkage is improving over time, it is not 100% meaning that for the period 2003/2004 to 2007/2008 inclusive some records in EDDC did not have matching names in OACIS.

Coherence

Internal Consistency

The diagnosis codes from 2007/08 are in ICD-10-AM 6th edition. Prior to this, different hospitals' ED diagnosis codes may be in different ICD versions. Modbury Hospital did not start supplying a diagnosis for ED data until November 2008.

Comparability

ICD codes are used to identify the diagnosis of the patient.

Linkage Variables

Unique record identifier	Sex
Unique person identifier where available	Indigenous Status
Name (all including "aka's", aliases and nicknames)	Country of birth
Date of Birth	Full address

Interpretability

Metadata

The EDDC manual is available by request.

Accessibility

Data Custodian

SA Department of Health

Research Inquiries

Contact [Metadata and Research Advisory Services, SA NT DataLink](#)

Method of Access

To gain access to this dataset Researchers must follow [SA NT DataLink's Application Process](#) for Statistical Linkage Projects.

Data Availability

A formal application, which is in fact a deed between the custodians and researchers, must be signed by all custodians both prior to and after ethics approval. As one of the custodians, the SA Department of Health can impose conditions, one of which may specify that the Department is informed at an early point of the substance of any intended publication.

For further information please contact Metadata and Research Advisory Services, SA NT DataLink.

Email: santdatalink@unisa.edu.au

Phone: +61 8 8302 1604

Address: R4-25, Level 4 Reid Building,
University of South Australia, City East Campus,
Frome Road, Adelaide,
SA 5000

Mailing Address: GPO Box 2471, Adelaide, South Australia 5001