

Integrated South Australian Activity Collection

Data Quality Statement



PUBLISHED MAY 2010
VERSION 1.00

-REVIEWED ANNUALLY-



Government of South Australia
SA Health

SA·NT



DataLink

Due for Review: May 2011

www.santdatalink.org.au

INTEGRATED SOUTH AUSTRALIAN ACTIVITY STATEMENT

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](#)

ISAAC collects morbidity data on admitted patients from all recognised public and private hospitals in South Australia, under the authority of the Health Care Act 2007.

Data are recorded by hospital staff in the course of hospital business. Hospitals submit data to the collection in a variety of formats (paper, disc, email) and it is processed into the collection by SA Health Information Assembly unit. Records are updated at the time of separation, e.g. discharge, transfer or death.

Institutional Environment

Organisation

SA Health

Authority for Collection

Health Care Act 2007

Relevance

Purpose of the Collection

ISAAC is an admitted patient morbidity data collection designed to provide SA Health with the information resources necessary to effectively organise, evaluate and plan health services in South Australia.

Specifically, ISAAC provides:

- Information on all admitted patient activity in public and private hospitals in South Australia, to assist in the planning and development of an efficient and equitable distribution of health services;
- The information necessary to develop and maintain the Department's budgeting and payment system;
- Statistical information to monitor the utilisation of SA health services;
- Hospital management with vital information necessary for efficient hospital resource planning;
- Information for Commonwealth Reporting under the following agreements:
 - National Health Care Agreement (NHCA): Information is reported to the Department of Health and Ageing.
 - National Health Information Agreement (NHIA): Information is reported to the Australian Institute of Health and Welfare and included in a national database.
- Information to the Australian Bureau of Statistics for inclusion in their national data collection for private sector hospitals.

Population Covered

All admitted patient separations (discharges, transfers and deaths) from every South Australian:

- Public Acute Hospital
 - Public Psychiatric Hospital
 - Private Acute Hospital
 - Private Psychiatric Hospital
 - Private Day Surgeries (licensed by SA Health)
- } Private separations are unavailable for data linkage

Geographic Coverage

South Australia. See Accuracy: Coverage (below)

Reference Period

Only public hospital separations (public acute hospital and public psychiatric hospital) are available for data linkage from 1 July 2003.

ISAAC commenced in July 1985.

Timeliness

Frequency of Collection

All hospitals are required to submit data to ISAAC 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

Data quality checks (non-clinical edits) are performed on all data submitted, to identify records with invalid values for particular data items or logical inconsistencies between items. These checks are detailed in Section 3 of the [ISAAC Reference Manual](#). Clinical edits are also undertaken.

Coverage

Complete population coverage. However, ISAAC does not contain name and address information and so for the purposes of linkage these elements are added for metropolitan hospitals through linkage to OACIS, and for country hospitals through linkage to the Country Datamart. A limitation of OACIS is that it does not cover all metropolitan public hospitals, and the linkage achieved between OACIS and ISAAC, although improving over time, is not 100% meaning that in the period 2003/2004 to 2007/2008 inclusive some 88,900 records did not have names. Details of the coverage are provided in the [ISAAC Summary Spreadsheet](#).

The following patients are excluded from the ISAAC:

- Patients in Developmental Disability Institutions
 - Patients in Private Residential Aged Care facilities
 - Patients in Outpatient and Community Health Services
 - Patients in Multi-Purpose Service Hospital hostel accommodation who are not classified as admitted patients
 - Residents of Community Residential Care Units
 - Residents of Transitional Living Units under the Brain Injury Rehabilitation Program
 - Defence force personnel treated on base
 - Boarders
 - Still births
- } refer to data dictionary (Collection Related Terminology) for definitions

Coherence

Internal Consistency

All data will be provided in the current version of ICD-10-AM and DRG used within ISAAC.

Comparability

Clinical data items are coded according to applicable ICD codes (current version is ICD-10-AM 6th edition). As of 01st July 2010 clinical data items will be coded using ICD-10-AM 7th edition. Previous ICD code versions used are listed in data dictionary.

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 ISAAC Reference Manual (data dictionary) and other supplementary information about the dataset are available via SA NT DataLink's [website](#) or alternatively visit: <http://www.health.sa.gov.au/isaac/>

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