

Other data set specifications

Acute coronary syndrome (clinical) DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	319741
<i>Registration status:</i>	NHIG, Standard 07/12/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	<p>The collection of acute coronary syndrome core data (ACS-Data) is a voluntary data collection with individual hospitals or health service areas developing collection methods and policies appropriate for their service.</p> <p>Acute coronary syndromes reflect the spectrum of coronary artery disease resulting in acute myocardial ischaemia, and span unstable angina, non-ST segment elevation myocardial infarction (NSTEMI) and ST-segment elevation myocardial infarction (STEMI). Clinically these diagnoses encompass a wide variation in risk, require complex and time urgent risk stratification and represent a large social and economic burden.</p> <p>The definitions used in this data set specification are designed to underpin the data collected by health professionals in their day-to-day acute care practice. They relate to the realities of an acute clinical consultation for patients presenting with chest pain/ discomfort and the need to correctly identify, evaluate and manage patients at increased risk of a coronary event.</p> <p>The data elements specified in this metadata set provide a framework for:</p> <ol style="list-style-type: none">1. promoting the delivery of evidenced-based acute coronary syndrome management care to patients;2. facilitating the ongoing improvement in the quality and safety of acute coronary syndrome management in acute care settings in Australia and New Zealand;3. improving the epidemiological and public health understanding of this syndrome; and4. supporting acute care services as they develop information systems to complement the above. <p>This is particularly important as the scientific evidence supporting the development of the data elements within the ACS data set specification indicate that accurate identification of the evolving myocardial infarction patient or the high/intermediate risk patient leading to the</p>

implementation of the appropriate management pathway impacts on the patient's outcome. Having a nationally recognised set of definitions in relation to defining a patient's diagnosis, risk status and outcomes is a prerequisite to achieving the above aims.

The ACS data set specification is based on the American College of Cardiology (ACC) Data Set for Acute Coronary Syndrome as published in the Journal of the American College of Cardiology in December 2001 (38:2114-30) as well as more recent scientific evidence around the diagnosis of myocardial infarction. The data elements are alphabetically listed and grouped in a similar manner to the American College of Cardiology's data set format. These features of the Australian ACS data set should ensure that the data is internationally comparable.

The data elements described here have been identified as high priority for inclusion in the NHDD for the collection of data relating to ACS management, along with supporting elements already existing within the NHDD (as listed). It is recommended that other data elements be collected as best practice - however, these are not listed here, as they are considered to be of a secondary priority. Such data elements include date of Coronary Artery Bypass Grafting (CABG), Percutaneous Coronary Intervention (PCI) and diagnostic cardiac catheterisation/angiography and recording the number of units of blood transfused.

However, the working group will approach the Australian Institute of Health and METeOR website.

Many of the data elements in this data set specification may also be used in the collection of other cardiovascular clinical information.

Where appropriate, it may be useful if the data definitions in this data set specification were used to address data definition needs in non-clinical environments such as public health surveys etc. This could allow for qualitative comparisons between data collected in, and aggregated from, clinical settings (i.e. using application of the ACS data set specification), with that collected through other means (e.g. public health surveys, reports).

A set of core ACS data elements and standardised definitions can inform the development and conduct of future registries at both the national and local level.

The working group formed under the National Heart Foundation of Australia (NHFA) and the Cardiac Society of Australia and New Zealand (CSANZ) initiative was diverse and included representation from the following organizations: the NHFA, the CSANZ, the Australasian College of Emergency Medicine, the Australian Institute of

Health and Welfare, the Australasian Society of Cardiac & Thoracic Surgeons, Royal Australian College of Physicians (RACP), RACP – Towards a Safer Culture, National Centre for Classification in Health (Brisbane), the NSW Aboriginal Health & Medical Research Council, the George Institute for International Health, the School of Population Health at the University of Western Australia and the National Cardiovascular Monitoring System Advisory Committee.

To ensure the broad acceptance of the data set, the working group also sought consultation from the heads of cardiology departments, other specialist professional bodies and regional key opinion leaders in the field of acute coronary syndromes.

Collection and usage attributes

Collection methods: This data set specification is primarily concerned with the clinical use of ACS-Data. Acute care environments such as hospital emergency departments, coronary care units or similar acute care areas are the settings in which implementation of the core ACS data set specification should be considered. A wider range of health and health related establishments that create, use or maintain, records on health care clients, could also use it.

Implementation date for this version of the DSS: 31 March 2006

Relational attributes

Related metadata references: Supersedes Acute coronary syndrome (clinical) DSS NHIG, Superseded 07/12/2005

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Acute coronary syndrome procedure type	Mandatory	1
-	Acute coronary syndrome stratum	Mandatory	1
-	Angiotensin converting enzyme (ACE) inhibitors therapy status	Mandatory	1
-	Aspirin therapy status	Mandatory	1
-	Beta-blocker therapy status	Mandatory	1
-	Bleeding episode using TIMI criteria (status)	Mandatory	1
-	Blood pressure – diastolic (measured)	Mandatory	1
-	Blood pressure – systolic (measured)	Mandatory	1
-	Chest pain pattern category	Mandatory	1
-	Cholesterol – HDL (measured)	Mandatory	1
-	Cholesterol – LDL (calculated)	Mandatory	1

- Cholesterol – total (measured)	Mandatory	1
- Clinical evidence of chronic lung disease (status)	Mandatory	1
- Clinical evidence of heart failure (status)	Mandatory	1
- Clinical evidence of peripheral arterial disease (status)	Mandatory	1
- Clinical evidence of sleep apnoea syndrome (status)	Mandatory	1
- Clinical evidence of stroke (status)	Mandatory	1
- Clinical procedure timing (status)	Conditional	1
- Clopidogrel therapy status	Mandatory	1
- Concurrent clinical condition (on presentation)	Mandatory	1
- Country of birth	Mandatory	1
- Creatine kinase MB isoenzyme level (index code)	Mandatory	1
- Creatine kinase MB isoenzyme level (international units)	Mandatory	1
- Creatine kinase MB isoenzyme level (kCat per litre)	Optional	1
- Creatine kinase MB isoenzyme level (micrograms per litre)	Optional	1
- Creatine kinase MB isoenzyme level (nanograms per decilitre)	Optional	1
- Creatine kinase MB isoenzyme level (percentage)	Mandatory	1
- Creatine kinase MB isoenzyme – upper limit of normal range (index code)	Mandatory	1
- Creatine kinase MB isoenzyme – upper limit of normal range (international units)	Optional	1
- Creatine kinase MB isoenzyme – upper limit of normal range (kCat per litre)	Optional	1
- Creatine kinase MB isoenzyme – upper limit of normal range (micrograms per litre)	Optional	1
- Creatine kinase MB isoenzyme – upper limit of normal range (nanograms per decilitre)	Conditional	1
- Creatine kinase MB isoenzyme – upper limit of normal range (percentage)	Mandatory	1
- Creatinine serum level (measured)	Optional	1
- Date creatine kinase MB isoenzyme measured	Optional	1
- Date of birth	Mandatory	1
- Date of first angioplasty balloon inflation or stenting	Conditional	0
- Date of intravenous fibrinolytic therapy	Mandatory	1
- Date of referral to rehabilitation	Mandatory	1
- Date of triage	Mandatory	1
- Date patient presents	Mandatory	1
- Date troponin measured	Mandatory	1
- Diabetes status	Mandatory	1

-	Electrocardiogram change location	Conditional	1
-	Electrocardiogram change type	Mandatory	1
-	Fibrinolytic drug used	Mandatory	1
-	Fibrinolytic therapy status	Mandatory	1
-	Functional stress test element	Mandatory	1
-	Functional stress test ischaemic result	Mandatory	1
-	Glycoprotein IIb/IIIa receptor antagonist (status)	Mandatory	1
-	Heart rate	Mandatory	1
-	Heart rhythm type	Mandatory	1
-	Height (self-reported)	Mandatory	1
-	Indigenous status	Mandatory	1
-	Killip classification code	Mandatory	1
-	Lipid-lowering therapy status	Mandatory	1
-	Mode of separation	Mandatory	1
-	Myocardial infarction (history)	Mandatory	1
-	Non-admitted patient emergency department service episode – triage category, code N	Optional	1
-	Person identifier	Mandatory	1
-	Premature cardiovascular disease family history (status)	Mandatory	1
-	Reason for readmission – acute coronary syndrome	Mandatory	1
-	Separation date	Mandatory	1
-	Sex	Mandatory	1
-	Time creatine kinase MB isoenzyme measured	Optional	1
-	Time of first angioplasty balloon inflation or stenting	Mandatory	1
-	Time of intravenous fibrinolytic therapy	Mandatory	1
-	Time of triage	Mandatory	1
-	Time patient presents	Mandatory	1
-	Time troponin measured	Mandatory	1
-	Tobacco smoking status	Mandatory	1
-	Triglyceride level (measured)	Mandatory	1
-	Troponin assay type	Mandatory	1
-	Troponin assay – upper limit of normal range (micrograms per litre)	Optional	1
-	Troponin level (measured)	Mandatory	1
-	Type of visit to emergency department	Mandatory	1
-	Vascular history	Mandatory	1
-	Weight (self-reported)	Mandatory	1

Cancer (clinical) DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	334019
<i>Registration status:</i>	NHIG, Standard 07/12/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	<p>This Cancer (clinical) data set specification is not mandated for collection but is recommended as best practice if cancer clinical data are to be collected.</p> <p>The Cancer (clinical) data set underpins the evaluation of cancer treatment services and this can occur at a number of levels; the individual clinician, the health care institution, at state or territory level and ultimately at a national level.</p> <p>Clinicians use such data for ongoing patient management and the ability to link patient management to outcomes allows treatments or outcomes to be identified and assessed. Institutions can monitor through-put in their centres for planning and resource allocation purposes to obtain optimum return for cancer expenditure. End-points can be monitored to ensure that objectives are being met.</p> <p>The principal aim of good-quality and consistent data is to provide information that can lead to improved quality and length of life for all patients by providing a systematic foundation for evidence-based medicine, informing quality assurance and improvement decisions and guiding successful planning and evaluation of cancer control activities.</p>

Collection and usage attributes

<i>Collection methods:</i>	This data set is primarily concerned with the clinical use of cancer data. It can also be used by a wider range of health and health-related establishments that create, use, or maintain records on health-care clients.
<i>Implementation date for this version of the DSS:</i>	24 th March 2006

Source and reference attributes

<i>Submitting organisation:</i>	National Cancer Control Initiative (NCCI)
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Relational attributes

<i>Related metadata references:</i>	Supersedes Cancer (clinical) DSS NHIG, Superseded 07/12/2005
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Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Address line (person)	Mandatory	1
-	Cancer initial treatment completion date	Mandatory	1
-	Cancer initial treatment starting date	Mandatory	1
-	Cancer staging – M stage code	Mandatory	1
-	Cancer staging – N stage code	Mandatory	1
-	Cancer staging – T stage code	Mandatory	1
-	Cancer staging – TNM stage grouping code	Mandatory	1
-	Cancer treatment type	Mandatory	1
-	Cancer treatment – target site (ICD-10-AM)	Mandatory	1
-	Cancer treatment – target site (ICDO-3)	Mandatory	1
-	Date of birth	Mandatory	1
-	Date of death	Mandatory	1
-	Date of diagnosis of cancer	Mandatory	1
-	Date of diagnosis of first recurrence	Mandatory	1
-	Date of surgical treatment for cancer	Mandatory	1
-	Establishment number	Mandatory	1
-	Family name	Mandatory	1
-	Given name(s)	Mandatory	1
-	Histopathological grade	Mandatory	1
-	Intention of treatment for cancer	Mandatory	1
-	Laterality of primary cancer	Conditional	1
-	Medicare card number	Mandatory	1
-	Morphology of cancer	Conditional	0
-	Most valid basis of diagnosis of cancer	Conditional	1
-	Oestrogen receptor assay status	Mandatory	1
-	Outcome of initial treatment	Mandatory	1
-	Person identifier	Mandatory	1
-	Primary site of cancer (ICD-10-AM code)	Mandatory	1
-	Primary site of cancer (ICDO-3 code)	Conditional	1
-	Progesterone receptor assay results	Conditional	1
-	Radiotherapy treatment type	Mandatory	1
-	Received radiation dose	Mandatory	1
-	Region of first recurrence	Mandatory	1
-	Regional lymph nodes examined	Mandatory	1
-	Regional lymph nodes positive	Conditional	1
-	Sex	Mandatory	1

-	Staging basis of cancer	Mandatory	1
-	Staging scheme source	Mandatory	1
-	Staging scheme source edition number	Mandatory	1
-	Surgical treatment procedure for cancer	Mandatory	1
-	Systemic therapy agent name	Mandatory	1
-	Tumour size at diagnosis (solid tumours)	Mandatory	1
-	Tumour thickness at diagnosis (melanoma)	Mandatory	1

Cardiovascular disease (clinical) DSS

Identifying and definitional attributes

Metadata item type: Data Set Specification

METeOR identifier: 273052

Registration status: NHIG, Standard 01/03/2005

Data Set Specification type: Data Set Specification (DSS)

Scope: The collection of cardiovascular data (CV-Data) in this metadata set is voluntary.

The definitions used in CV-Data are designed to underpin the data collected by health professionals in their day-to-day practice. They relate to the realities of a clinical consultation and the ongoing nature of care and relationships that are formed between doctors and patients in clinical practice.

The data elements specified in this metadata set provide a framework for:

- promoting the delivery of high quality cardiovascular disease preventive and management care to patients,
- facilitating ongoing improvement in the quality of cardiovascular and chronic disease care predominantly in primary care and other community settings in Australia, and
- supporting general practice and other primary care services as they develop information systems to complement the above.

This is particularly important as general practice is the setting in which chronic disease prevention and management predominantly takes place. Having a nationally recognised set of definitions in relation to defining a patient's cardiovascular behavioural, social and biological risk factors, and their prevention and management status for use in these clinical settings, is a prerequisite to achieving these aims.

Many of the data elements in this metadata set are also used in the collection of diabetes clinical information.

Where appropriate, it may be useful if the data definitions in this metadata set were used to address data definition needs for use in non-clinical environments such as public health surveys etc. This could allow for qualitative comparisons between data collected in, and aggregated from clinical settings (i.e. using application of CV-Data), with that collected through other means (e.g. public health surveys).

Collection and usage attributes

Collection methods: This metadata set is primarily concerned with the clinical use of CV-data. It could also be used by a wider range of health and health related establishments that create, use or maintain, records on health care clients.

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Alcohol consumption frequency (self reported)	Mandatory	1
-	Alcohol consumption in standard drinks per day (self reported)	Mandatory	1
-	Behaviour-related risk factor intervention – purpose	Mandatory	5
-	Behaviour-related risk factor intervention purpose	Mandatory	8
-	Blood pressure – diastolic (measured)	Mandatory	1
-	Blood pressure – systolic (measured)	Mandatory	1
-	Cholesterol – HDL (measured)	Mandatory	1
-	Cholesterol – LDL (calculated)	Mandatory	1
-	Cholesterol – total (measured)	Mandatory	1
-	Country of birth	Mandatory	1
-	Creatinine serum level (measured)	Mandatory	1
-	CVD drug therapy – condition	Mandatory	1
-	Date of birth	Mandatory	1
-	Date of diagnosis	Mandatory	1
-	Date of referral to rehabilitation	Conditional	1
-	Diabetes status	Mandatory	1
-	Diabetes therapy type	Mandatory	1
-	Division of General Practice number	Mandatory	1
-	Fasting status	Mandatory	1
-	Formal community support access status	Mandatory	1
-	Height (measured)	Mandatory	1
-	Indigenous status	Mandatory	1
-	Informal carer availability	Mandatory	1
-	Labour force status	Mandatory	1
-	Living arrangement	Mandatory	1
-	Person identifier	Mandatory	1
-	Physical activity sufficiency status	Mandatory	1
-	Postcode – Australian (person)	Mandatory	1
-	Preferred language	Mandatory	1

-	Premature cardiovascular disease family history (status)	Mandatory	1
-	Proteinuria status	Mandatory	1
-	Renal disease therapy	Mandatory	1
-	Service contact date	Mandatory	99
-	Sex	Mandatory	1
-	Tobacco smoking status	Mandatory	1
-	Tobacco smoking – consumption/quantity (cigarettes)	Mandatory	1
-	Triglyceride level (measured)	Mandatory	1
-	Vascular history	Mandatory	1
-	Vascular procedures	Mandatory	1
-	Waist circumference (measured)	Mandatory	1
-	Weight in kilograms (measured)	Mandatory	1

Computer Assisted Telephone Interview demographic module DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	291112
<i>Registration status:</i>	NHIG, Standard 04/05/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	<p>Key demographic set for use in Computer Assisted Telephone Interviewing (CATI) health surveys. It is intended to be used by anyone conducting population health surveys using the CATI mode, such as state/territory government health agencies. This data set is to standardise demographic collection in all CATI surveys of health topics, such as CATI asthma and CATI diabetes surveys.</p> <p>The standardisation of the collection of health survey data is a major focus of the National Public Health Partnership (NPHP) work plan. The CATI demographic module DSS is not mandated for collection but recommended as best practice.</p>

Collection and usage attributes

<i>Collection methods:</i>	Population health surveys conducted by CATI
<i>Implementation date for this version of the DSS:</i>	5 th April 2006

Source and reference attributes

<i>Submitting organisation:</i>	National Public Health Information Working Group.
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Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Age	Optional	1
-	Age range	Optional	1
-	Country of birth	Optional	1
-	Date of birth	Optional	1
-	Household annual gross income range	Optional	1
-	Household annual gross income range (\$ 10,000 range)	Optional	1
-	Indigenous status	Optional	1
-	Marital status	Optional	1
-	Postcode – Australian (person)	Optional	1
-	Sex	Optional	1
-	Suburb/town/locality name (person)	Optional	1
-	Year of arrival in Australia	Optional	1

Diabetes (clinical) DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	304865
<i>Registration status:</i>	NHIG, Standard 21/09/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	<p>The use of this standard is voluntary.</p> <p>However, if data is to be collected the Diabetes (clinical) Data Set Specification (DSS) aims to ensure national consistency in relation to defining, monitoring and recording information on patients diagnosed with diabetes.</p> <p>The Diabetes (clinical) DSS relates to the clinical status of, the provision of services for, and the quality of care delivered to individuals with diabetes, across all health care settings including:</p> <ul style="list-style-type: none">• General Practitioners;• Divisions of General Practice;• Diabetes Centres'• Specialists in private practice; and• Community Health Nurses and Diabetes Educators. <p>The Diabetes (clinical) DSS:</p> <ul style="list-style-type: none">• provides concise, unambiguous definitions for items/conditions related to diabetes quality care, and• aims to ensure standardised methodology of data collection in Australia. <p>The expectation is that collection of this data set facilitates good quality of care, contributes to preventive care and has the potential to enhance self-management by patients with diabetes.</p> <p>The underlying goal is improvement of the length and quality of life of patients with diabetes, and prevention or delay in the development of diabetes related complications.</p>

Collection and usage attributes

<i>Collection methods:</i>	<p>This metadata set is primarily concerned with the clinical use of Diabetes data. It could/should be used by health and health related establishments that create, use or maintain, records on health care clients.</p> <p>One methodology is for data to be collected over a 1-month period of all diabetes patients presenting at sites</p>
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participating in the collection. The information is de-identified to protect the privacy of individuals. The participation is voluntary. An individual Benchmarking report is provided. The results provide a snapshot of care of people with diabetes.

Implementation date for this version of the DSS: 31 March 2006

Comments: Statistical units are entities from or about which statistics are collected or in respect of which statistics are compiled, tabulated or published.

Scope links with other Metadata sets

Cardiovascular disease (clinical) DSS.

Source and reference attributes

Submitting organisation: National Diabetes Data Working Group

Relational attributes

Related metadata references: Supersedes Diabetes (clinical) DSS NHIG, Superseded 21/09/2005

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Blindness (diabetes complication)	Mandatory	1
-	Blood pressure – diastolic (measured)	Mandatory	1
-	Blood pressure – systolic (measured)	Mandatory	1
-	Cardiovascular medication (current)	Mandatory	1
-	Cataract – history	Mandatory	4
-	Cerebral stroke due to vascular disease (history)	Mandatory	1
-	Cholesterol – HDL (measured)	Mandatory	1
-	Cholesterol – total (measured)	Mandatory	1
-	Coronary artery disease – history of intervention or procedure	Mandatory	1
-	Creatinine serum level (measured)	Mandatory	1
-	Date of birth	Mandatory	1
-	Diabetes status	Mandatory	1
-	Diabetes therapy type	Mandatory	1
-	Dyslipidaemia treatment indicator	Mandatory	1
-	Erectile dysfunction	Mandatory	1
-	Fasting status	Mandatory	1
-	Foot deformity	Mandatory	1
-	Foot lesion (active)	Mandatory	1

- Foot ulcer (history)	Mandatory	1
- Foot ulcer (current)	Mandatory	1
- Glycosylated haemoglobin level (measured)	Mandatory	1
- Glycosylated Haemoglobin – upper limit of normal range (percentage)	Mandatory	1
- Health professionals attended (diabetes mellitus)	Mandatory	1
- Height (measured)	Mandatory	1
- Hypertension – treatment	Mandatory	1
- Hypoglycaemia - severe	Mandatory	1
- Indigenous status	Mandatory	1
- Initial visit indicator – diabetes mellitus	Mandatory	1
- Lower limb amputation due to vascular disease	Mandatory	1
- Microalbumin level – albumin/creatinine ratio (measured)	Conditional	1
- Microalbumin level – micrograms per minute (measured)	Conditional	1
- Microalbumin level – milligrams per 24 hour (measured)	Conditional	1
- Microalbumin level – milligrams per litre (measured)	Conditional	1
- Microalbumin level – upper limit of normal range (albumin/creatinine ratio)	Conditional	1
- Microalbumin level – upper limit of normal range (micrograms per minute)	Conditional	1
- Microalbumin level – upper limit of normal range (milligrams per 24 hour)	Conditional	1
- Microalbumin level – upper limit of normal range (milligrams per litre)	Conditional	1
- Myocardial infarction (history)	Mandatory	1
- Ophthalmological assessment – outcome (left retina)	Mandatory	1
- Ophthalmological assessment – outcome (right retina)	Mandatory	1
- Ophthalmoscopy performed indicator	Mandatory	1
- Peripheral neuropathy (status)	Mandatory	1
- Peripheral vascular disease in feet (status)	Mandatory	1
- Pregnancy – current status	Mandatory	1
- Referred to ophthalmologist (diabetes mellitus)	Mandatory	1
- Renal disease – end-stage (diabetes complication)	Mandatory	1
- Service contact date	Mandatory	1
- Sex	Mandatory	1
- Tobacco smoking status (diabetes mellitus)	Mandatory	1
- Triglyceride level (measured)	Mandatory	1

-	Visual acuity (left eye)	Mandatory	1
-	Visual acuity (right eye)	Mandatory	1
-	Weight in kilograms (measured)	Mandatory	1
-	Year insulin started	Mandatory	1
-	Year of diagnosis of diabetes mellitus	Mandatory	1

Health care client identification DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	288765
<i>Registration status:</i>	NHIG, Standard 04/05/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	Scope

The data elements specified in this metadata set provide a framework for improving the positive identification of persons in health care organisations. This metadata set applies in respect of all potential or actual clients of the Australian health care system. It defines demographic and other identifying data elements suited to capture and use for person identification in health care settings.

The objectives in collecting the data elements in this metadata set are to promote uniformly good practice in:

- identifying individuals
- recording identifying data so as to ensure that each individual's health records will be associated with that individual and no other.

The process of positively identifying people within a health care service delivery context entails matching data supplied by those individuals against the data the service provider holds about them. The positive and unique identification of health care clients is a critical event in health service delivery, with direct implications for the safety and quality of health care.

There are many barriers to successfully identifying individuals in health care settings, including variable data quality; differing data capture requirements and mechanisms; and varying data matching methods. These definitions provide a base for improving the confidence of health service providers and clients alike that the data being associated with any given individual, and upon which clinical decisions are made, is appropriately associated.

Collection and usage attributes

Collection methods: This metadata set is primarily concerned with the clinical use of Health care client identification data. It should be used by health and health-related establishments that create, use or maintain, records on health care clients.

Establishments should use this metadata set, where appropriate, for collecting data when registering health care

clients or potential health care clients.

The collection of data based on this metadata set is voluntary.

National reporting arrangements

Collectors of this metadata set should refer to relevant privacy legislation, codes of fair information practice and other guidelines so as not to breach personal privacy in their collection, use, storage and disclosure of health care client information. There is no comprehensive privacy legislation covering both the public and private sectors across Australia so users need to consider their particular set of circumstances (i.e. location and sector) and whether privacy legislation covers those circumstances.

A Commonwealth legislative scheme applies to the private sector. Users may refer to the Federal Privacy Commissioner's web site for assistance in complying with their privacy obligations. In the public sector, in instances where no legislation, code of fair information practice or other guidelines covers the particular circumstances, users should refer to AS 4400 Personal privacy protection in health care information systems.

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Address line (person)	Mandatory	1
-	Address type (person)	Mandatory	1
-	Address – country identifier (person)	Mandatory	1
-	Australian state/territory identifier	Conditional	0
-	Birth order	Mandatory	1
-	Birth plurality	Mandatory	1
-	Building/complex sub-unit number (person)	Mandatory	1
-	Building/complex sub-unit type – abbreviation (person)	Mandatory	1
-	Building/property name (person)	Mandatory	1
-	Centrelink customer reference number	Mandatory	1
-	Country of birth	Mandatory	1
-	Date accuracy indicator	Mandatory	1
-	Date of birth	Mandatory	1
-	Electronic communication address (person)	Mandatory	1
-	Electronic communication medium (person)	Mandatory	1
-	Electronic communication usage code (person)	Mandatory	1
-	Establishment identifier	Mandatory	1
-	Establishment number	Mandatory	1

-	Establishment sector	Mandatory	1
-	Family name	Mandatory	1
-	Floor/level number (person)	Mandatory	1
-	Floor/level type (person)	Mandatory	1
-	Given name sequence number	Mandatory	1
-	Given name(s)	Mandatory	1
-	House/property number (person)	Mandatory	1
-	Indigenous status	Conditional	1
-	Lot/section number (person)	Mandatory	1
-	Medicare card number	Mandatory	1
-	Mother's original family name	Mandatory	1
-	Name context flag	Mandatory	1
-	Name suffix	Mandatory	1
-	Name suffix sequence number	Mandatory	1
-	Name title	Mandatory	1
-	Name title sequence number	Mandatory	1
-	Name type	Mandatory	1
-	Non-Australian state/province (person)	Mandatory	1
-	Person identifier	Mandatory	1
-	Person identifier type – health care (person)	Mandatory	1
-	Postal delivery point identifier (person)	Mandatory	1
-	Postcode – Australian (person)	Mandatory	1
-	Postcode – international (person)	Mandatory	1
-	Region code	Mandatory	1
-	Sex	Mandatory	1
-	State/territory of birth	Mandatory	1
-	Street name (person)	Mandatory	1
-	Street suffix code (person)	Mandatory	1
-	Street type code (person)	Mandatory	1
-	Suburb/town/locality name (person)	Mandatory	1

Health care provider identification DSS

Identifying and definitional attributes

<i>Metadata item type:</i>	Data Set Specification
<i>METeOR identifier:</i>	289061
<i>Registration status:</i>	NHIG, Standard 04/05/2005
<i>Data Set Specification type:</i>	Data Set Specification (DSS)
<i>Scope:</i>	<p>The scope of these data elements includes identification of individual and organisation health care providers. The data elements also allow for identification of an individual in a health care organisation. The definition of health care provider is:</p> <p>‘any person or organisation who is involved in or associated with the delivery of healthcare to a client, or caring for client wellbeing’.</p> <p>The data elements have been defined to enable a common, best practice approach to the way data are captured and stored, to ensure that records relating to a provider will be associated with that individual and/or organisation and no other. The definitions are proposed for clinical and administrative data management purposes.</p> <p>The ability to positively identify health care providers and locate their relevant details is an important support to the provision of speedy, safe, high quality, comprehensive and efficient health care. Unambiguous identification of individual health care providers is necessary for:</p> <ul style="list-style-type: none">• Requesting and reporting of orders, tests and results (e.g. pathology, diagnostic imaging)• Other communications and referrals between health care providers regarding ongoing care of patients (e.g. a referral from a GP to a specialist, a hospital discharge plan)• Reporting on health care provision to statutory authorities (e.g. reporting of hospital patient administration systems data to state/territory government health agencies)• Payments to providers• Registration of providers• Directories or lists of providers and their service locations for consumer information.

Collection and usage attributes

<i>Collection methods:</i>	Collected at point of entry to health care for the purposes of the identification of the provider of that health care.
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Implementation date for this version of the DSS: 22nd March 2006

Comments: There are many barriers to successfully identifying individuals in health care settings, including variable data quality; differing data capture requirements and mechanisms; and varying data matching methods. This data set specification provides a framework for improving the confidence that the data being associated with any given individual or organisation, is appropriately associated.

Source and reference attributes

Submitting organisation: Standards Australia Inc Health Informatics Committee (IT-014)

Reference documents: Health care client identification DSS

The Australian Standard AS4846 Health Care Provider Identification identifies other data that should be collected. These data are collections of free text information and as such are not capable of standardisation as a national health data standard. Within AS4846 however they form part of the data collection necessary for the complete identification of a health care provider.

These data elements are identified in the section Standardised elsewhere section below.

If these data elements are collected in conjunction with those of the Data set specification they form a collection equivalent to that of the Australian Standard AS4846.

Metadata items in this Data Set Specification

Seq No.	Metadata item	Obligation	Max occurs
-	Address line (person)	Mandatory	1
-	Address line (service provider organisation)	Mandatory	1
-	Address type (person)	Mandatory	1
-	Address type (service provider organisation)	Mandatory	1
-	Address – country identifier (person)	Mandatory	1
-	Australian state/territory identifier	Mandatory	1
-	Australian state/territory identifier (Service provider organisation)	Mandatory	1
-	Building/complex sub-unit number (person)	Mandatory	1
-	Building/complex sub-unit number (service provider organisation)	Mandatory	1
-	Building/complex sub-unit type – abbreviation (person)	Mandatory	1
-	Building/complex sub-unit type – abbreviation (service provider organisation)	Mandatory	1
-	Building/property name (person)	Mandatory	1

- Building/property name (service provider organisation)	Mandatory	1
- Date accuracy indicator	Mandatory	1
- Date of birth	Mandatory	1
- Date of death	Mandatory	1
- Electronic communication address (person)	Mandatory	1
- Electronic communication address (service provider organisation)	Mandatory	1
- Electronic communication medium (person)	Mandatory	1
- Electronic communication medium (service provider organisation)	Mandatory	1
- Electronic communication usage code (person)	Mandatory	1
- Family name	Mandatory	1
- Floor/level number (person)	Mandatory	1
- Floor/level number (service provider organisation)	Mandatory	1
- Floor/level type (person)	Mandatory	1
- Floor/level type (service provider organisation)	Mandatory	1
- Given name sequence number	Mandatory	1
- Given name(s)	Mandatory	1
- House/property number (person)	Mandatory	1
- House/property number (service provider organisation)	Mandatory	1
- Lot/section number (person)	Mandatory	1
- Lot/section number (service provider organisation)	Mandatory	1
- Name context flag	Mandatory	1
- Name suffix	Mandatory	1
- Name suffix sequence number	Mandatory	1
- Name title	Mandatory	1
- Name title sequence number	Mandatory	1
- Name type	Mandatory	1
- Name type (Service provider organisation)	Mandatory	1
- Non-Australian state/province (person)	Mandatory	1
- Non-Australian state/province (service provider organisation)	Mandatory	1
- Organisation end date	Mandatory	1
- Organisation name	Mandatory	1
- Organisation start date	Mandatory	1
- Person identifier	Mandatory	1
- Postal delivery point identifier (person)	Mandatory	1
- Postal delivery point identifier (service provider organisation)	Mandatory	1

-	Postcode – Australian (person)	Mandatory	1
-	Postcode – Australian (Service provider organisation)	Mandatory	1
-	Postcode – international (person)	Mandatory	1
-	Postcode – international (service provider organisation)	Mandatory	1
-	Provider occupation category (self identified)	Mandatory	1
-	Provider occupation end date	Mandatory	1
-	Provider occupation start date	Mandatory	1
-	Sex	Mandatory	1
-	Street name (person)	Mandatory	1
-	Street name (service provider organisation)	Mandatory	1
-	Street suffix code (person)	Mandatory	1
-	Street suffix code (service provider organisation)	Mandatory	1
-	Street type code (person)	Mandatory	1
-	Street type code (service provider organisation)	Mandatory	1
-	Suburb/town/locality name (person)	Mandatory	1
-	Suburb/town/locality name (service provider organisation)	Mandatory	1

Metadata on the CD-ROM

The following metadata items may be found on the CD-ROM included with this book or may be accessed online through

<http://meteor.aihw.gov.au>

- Data elements
- Object classes
- Property
- Classification scheme
- Glossary item