Date—accuracy indicator, code AAA

Exported from METEOR (AIHW's Metadata Online Registry)

Date—accuracy indicator, code AAA

Identifying and definitional attributes

Metadata item type:	Data Element
Short name:	Date accuracy indicator
METEOR identifier:	294429
Registration status:	Health!, Standard 04/05/2005
	Community Services (retired), Standard 30/09/2005
	Early Childhood, Standard 21/05/2010
	Housing assistance, Standard 23/08/2010
	Homelessness, Standard 23/08/2010
	Disability, Standard 07/10/2014
Definition:	An indicator of the accuracy of the components of a reported date, as represented by a code.
Data Element Concept:	Date—accuracy indicator
Value Domain:	Date accuracy indicator code AAA

Value domain attributes

Representational attributes

Representation class:	Code	
Data type:	String	
Format:	AAA	
Maximum character length:	3	
	Value	**Meaning**
Permissible values:	AAA	Day, month and year are accurate
	AAE	Day and month are accurate, year is estimated
	AAU	Day and month are accurate, year is unknown
	AEA	Day is accurate, month is estimated, year is accurate
	AEE	Day is accurate, month and year are estimated
	AEU	Day is accurate, month is estimated, year is unknown
	AUA	Day is accurate, month is unknown, year is accurate
	AUE	Day is accurate, month is unknown, year is estimated
	AUU	Day is accurate, month and year are unknown
	EAA	Day is estimated, month and year are accurate
	EAE	Day is estimated, month is accurate, year is estimated
	EAU	Day is estimated, month is accurate, year is unknown
	EEA	Day and month are estimated, year is accurate
	EEE	Day, month and year are estimated
	EEU	Day and month are estimated, year is unknown
	EUA	Day is estimated, month is unknown, year is accurate
	EUE	Day is estimated, month is unknown, year is estimated
	EUU	Day is estimated, month and year are unknown
	UAA	Day is unknown, month and year are accurate

UAE	Day is unknown, month is accurate, year is estimated
UAU	Day is unknown, month is accurate, year is unknown
UEA	Day is unknown, month is estimated, year is accurate
UEE	Day is unknown, month and year are estimated
UEU	Day is unknown, month is estimated, year is unknown
UUA	Day and month are unknown, year is accurate
UUE	Day and month are unknown, year is estimated
UUU	Day, month and year are unknown

Collection and usage attributes

Guide for use:

Any combination of the values A, E, U representing the corresponding level of accuracy of each date component of the reported date.

This data element consists of a combination of three codes, each of which denotes the accuracy of one date component:

A – the referred date component is accurate

E – the referred date component is not known but is estimated

U – the referred date component is not known and not estimated.

This data element contains positional fields (DMY) that reflects the order of the date components in the format (DDMMYYYY) of the reported date:

Field 1 (D) – refers to the accuracy of the day component;

Field 2 (M) – refers to the accuracy of the month component;

Field 3 (Y) – refers to the accuracy of the year component.

Data domain	Date component (for a format DDMMYYYY)		
	(D)ay	(M)onth	(Y)ear
Accurate	A	A	A
Estimated	E	E	E
Unknown	U	U	U

This data element is valid only for use with dates that are reported/exchanged in the format (DDMMYYYY).

Example 1: If a date has been sourced from a reliable source and is known as accurate then the Date accuracy indicator should be informed as (AAA).

Example 2: If only the age of the person is known and there is no certainty of the accuracy of this, then the Date accuracy indicator should be informed as (UUE). That is the day and month are "unknown" and the year is "estimated".

Example 3: If a person was brought in unconscious to an emergency department of a hospital and the only information available was from a relative who was certain of the age and the birthday's 'month' then the Date accuracy indicator should be informed as (UAA). A year derived from an accurate month and accurate age is always an accurate year.

The Date accuracy indicator can be useful for operational purposes to indicate the level of accuracy of a date that has been collected at any point in time. It can indicate whether the stored date needs to be followed up until it reaches the intended minimal required accuracy. For example, if a person was brought in unconscious to an emergency department of a hospital the level of accuracy of the date collected at that point may not be satisfactory. It is likely that the correct date of birth can be obtained at a later date. The Date accuracy indicator provides information on the accuracy of the entered dates that may require further action.

For future users of the data, it may also be essential to know the accuracy of the date components of a reported date.

Data element attributes

Collection and usage attributes

Collection methods:	Collection constraints:

If constraints for the collection of the date are imposed, such as 'a valid date must be input in an information system for unknown date components', the Date accuracy indicator should be used along with the date as a way of avoiding the contamination of the valid dates with the same value on the respective date components.

Example:

Some jurisdictions use 0107YYYY and some use 0101YYYY when only the year is known. When month and year are known some use the 15th day as the date i.e. 15MMYYYY. Where this occurs in a data collection that is used for reporting or analysis purposes there will be dates in the collection with the attributes 0107YYYY etc., that are accurate and some that are not accurate. Without a corresponding flag to determine this accuracy the analysis or report will be contaminated by those estimated dates.

Comments:	Provision of a date is often a mandatory requirement in data collections.

Most computer systems require a valid date to be recorded in a date field i.e. the month part must be an integer between 1 and 12, the day part must be an integer between 1 and 31 with rules about the months with less than 31 days, and the year part should include the century. Also in many systems, significant dates (e.g. date of birth) are mandatory requirements.

However, in actual practice, the date or date components are often not known (e.g. date of birth, date of injury) but, as stated above, computer systems require a valid date. This means that a date MUST be included and it MUST follow the rules for a valid date. It therefore follows that, while such a date will contain valid values according to the rules for a date, the date is in fact an 'unknown' or 'estimated' date. For future users of the data, it is essential to know that a date is accurate, unknown or estimated and which components of the date are accurate, unknown or estimated.

Source and reference attributes

Submitting organisation:	Standards Australia
Reference documents:	Standards Australia 2002. AS5017—2002 Health Care Client Identification. Sydney: Standards Australia

Relational attributes

Related metadata references:	See also Health-care incident—date health-care incident occurred, DDMMYYYY Health!, Standard 07/12/2011
	See also Individual service provider—occupation end date, DDMMYYYY Community Services (retired), Standard 30/09/2005 Health!, Standard 04/05/2005
	See also Individual service provider—occupation start date, DDMMYYYY Community Services (retired), Standard 30/09/2005 Health!, Standard 04/05/2005
	See also Medical indemnity claim management episode—medical indemnity claim finalisation date, DDMMYYYY Health!, Superseded 21/11/2013
	See also Medical indemnity claim management episode—medical indemnity claim finalisation date, DDMMYYYY Health!, Standard 21/11/2013
	See also Medical indemnity claim management episode—reserve placement date, DDMMYYYY Health!, Standard 07/12/2011
	See also Medical indemnity claim—medical indemnity claim commencement date, DDMMYYYY Health!, Standard 07/12/2011
	See also Person—date of birth, DDMMYYYY Children and Families, Standard 22/11/2016

Commonwealth Department of Health , Standard 14/10/2015
Community Services (retired), Standard 25/08/2005
Disability, Standard 07/10/2014
Early Childhood, Standard 21/05/2010
Health!, Standard 04/05/2005
Homelessness, Standard 23/08/2010
Housing assistance, Standard 20/06/2005
Independent Hospital Pricing Authority, Standard 01/11/2012
Indigenous, Standard 11/08/2014
National Health Performance Authority (retired), Retired 01/07/2016
Tasmanian Health, Superseded 30/04/2024
WA Health, Standard 19/03/2015
Youth Justice, Standard 15/02/2022

See also Person—date of birth, MMYYYY
Tasmanian Health, Superseded 06/05/2021

See also Person—date of birth, MMYYYY
Commonwealth Department of Social Services (retired), Standard 20/06/2018
Health!, Standard 10/12/2009
National Health Performance Authority (retired), Retired 01/07/2016
Tasmanian Health, Standard 06/05/2021

See also Person—date of birth, YYYY
Tasmanian Health, Standard 06/05/2021

See also Record—linkage key, code 581 XXXXXDDMMYYYYN
Community Services (retired), Standard 21/05/2010
Disability, Standard 07/10/2014
Early Childhood, Standard 21/05/2010
Health!, Superseded 25/01/2018
Homelessness, Superseded 10/08/2018
Housing assistance, Standard 23/08/2010

See also Record—linkage key, code 581 XXXXXDDMMYYYYX
Health!, Standard 25/01/2018
Homelessness, Standard 10/08/2018

See also Statistical linkage key 581 cluster
Health!, Standard 17/12/2021

See also Statistical linkage key 581 cluster
Health!, Superseded 17/12/2021
Homelessness, Standard 10/08/2018

See also Statistical linkage key 581 cluster
Community Services (retired), Standard 21/05/2010
Disability, Standard 07/10/2014
Early Childhood, Standard 21/05/2010
Health!, Superseded 25/01/2018
Homelessness, Superseded 10/08/2018
Housing assistance, Standard 23/08/2010

Implementation in Data Set Specifications:

Acute rheumatic fever and rheumatic heart disease (clinical) DSS
Health!, Recorded 27/03/2012
Implementation start date: 01/07/2011
DSS specific information: This data element is to be used in association with the *'Person—date of birth, DDMMYYYY'* and *'Person—date of death, DDMMYYYY'* data elements.

Address communication suppression cluster
Health!, Standard 05/10/2016
DSS specific information:

This data element should be used in conjunction with a date field.

Address status cluster
Health!, Standard 05/10/2016
DSS specific information:

This data element should be collected in conjunction with the Address—address start date, DDMMYYYY and Address—address end date, DDMMYYYY data

elements to indicate the accuracy of the components of the start and end dates.

[Cancer (clinical) DSS](#)
    Health!, Superseded 08/05/2014

[Cancer (clinical) DSS](#)
    Health!, Superseded 14/05/2015

[Cancer (clinical) NBPDS](#)
    Health!, Standard 14/05/2015

[Duplicate record cluster](#)
    Health!, Standard 05/10/2016

[Health care client identification DSS](#)
    Health!, Retired 20/03/2013

[Health care client identification DSS](#)
    Health!, Superseded 03/12/2008

[Health care provider identification DSS](#)
    Health!, Superseded 03/12/2008

[Health care provider identification DSS](#)
    Health!, Superseded 04/07/2007

[Health care provider identification DSS](#)
    Health!, Retired 20/03/2013

[Healthcare identification occupation cluster](#)
    Health!, Standard 05/10/2016

[Healthcare provider organisation cluster](#)
    Health!, Standard 05/10/2016
Conditional obligation:

Required for [Organisation—name usage start date, DDMMYYYY](#), and for [Organisation—name usage end date, DDMMYYYY](#) when provided.

[Identification in healthcare cluster](#)
    Health!, Standard 05/10/2016
DSS specific information:

Recorded in conjunction with the data elements within this cluster that are used to record a date.

[Individual demographic identifiers cluster](#)
    Health!, Standard 05/10/2016

[Individual name cluster](#)
    Health!, Standard 05/10/2016
DSS specific information:

Recorded in conjunction with the data elements within this cluster that are used to record a date.

[Intertwined record cluster](#)
    Health!, Standard 05/10/2016
DSS specific information:

Recorded in conjunction with the data elements within this cluster that are used to record a date.

[Medical indemnity DSS 2012-14](#)
    Health!, Superseded 21/11/2013
Implementation start date: 01/07/2012
Implementation end date: 30/06/2014
DSS specific information:

This data element is to be used in conjunction with the following data elements:
Health-care incident—date incident occurred, date DDMMYYYY; Medical indemnity claim—medical indemnity claim commencement date, DDMMYYYY;

Medical indemnity claim management episode—medical indemnity claim finalisation date, DDMMYYYY; Medical indemnity claim management episode —reserve placement date, DDMMYYYY; and *Person—date of birth, DDMMYYYY.*

[Medical indemnity NBPDS 2014-](#)
   [Health!,](#) Standard 21/11/2013
Implementation start date: 01/07/2014
DSS specific information:

This data element is to be used in conjunction with the following data elements: *Health-care incident—date incident occurred, date DDMMYYYY; Medical indemnity claim—medical indemnity claim commencement date, DDMMYYYY; Medical indemnity claim management episode—medical indemnity claim finalisation date, DDMMYYYY; Medical indemnity claim management episode —reserve placement date, DDMMYYYY;* and *Person—date of birth, DDMMYYYY.*

[Provider extensions or restrictions to practice cluster](#)
   [Health!,](#) Standard 05/10/2016

[Provider registration cluster](#)
   [Health!,](#) Standard 05/10/2016

[Public Housing and State Owned and Managed Indigenous housing (PH & SOMIH) DSS 2018-](#)
   [Housing assistance,](#) Standard 10/05/2019
Implementation start date: 01/07/2018

[Restricted name usage cluster](#)
   [Health!,](#) Standard 05/10/2016
Conditional obligation:

Recorded in conjunction with the data elements within this cluster that are used to record a date.

[SAAP Client Collection National Minimum Data Set](#)
   [Community Services (retired),](#) Retired 01/07/2011
DSS specific information:

This data element should be collected for the client and for each accompanying child. It should be collected in conjunction with the client/accompanying children date of birth.

[Similar but different entity cluster](#)
   [Health!,](#) Standard 05/10/2016
DSS specific information:

Recorded in conjunction with the data elements within this cluster that are used to record a date.

[Specialist Homelessness Services NMDS 2011](#)
   [Homelessness,](#) Superseded 01/05/2013
   [Housing assistance,](#) Superseded 01/05/2013
Implementation start date: 01/07/2011

[Specialist Homelessness Services NMDS 2012-13](#)
   [Homelessness,](#) Superseded 01/05/2013
   [Housing assistance,](#) Superseded 01/05/2013
Implementation start date: 01/07/2012
Implementation end date: 30/06/2013

[Statistical linkage key 581 cluster](#)
   [Health!,](#) Standard 17/12/2021
Implementation start date: 01/07/2018
Conditional obligation:

Where a date of birth is estimated the date accuracy indicator should be used.

[Statistical linkage key 581 cluster](#)
      [Health!](#), Superseded 17/12/2021
      [Homelessness](#), Standard 10/08/2018
Implementation start date: 01/07/2018
Conditional obligation:

Where a date of birth is estimated the date accuracy indicator should be used.

[Statistical linkage key 581 cluster](#)
      [Community Services (retired)](#), Standard 21/05/2010
      [Disability](#), Standard 07/10/2014
      [Early Childhood](#), Standard 21/05/2010
      [Health!](#), Superseded 25/01/2018
      [Homelessness](#), Superseded 10/08/2018
      [Housing assistance](#), Standard 23/08/2010
Conditional obligation: Where a date of birth is estimated the date accuracy indicator should be used