

Date—accuracy indicator, code AAA

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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 attributes

Identifying and definitional attributes

Data element concept:	Date—accuracy indicator
METEOR identifier:	294418
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.
Context:	This data element is designed to flag whether each component in a date is accurate, estimated or unknown.
Object class:	Date
Property:	Accuracy indicator

Value domain attributes

Identifying and definitional attributes

Value domain:	Date accuracy indicator code AAA
METEOR identifier:	289952
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:	A code set representing the accuracy of the components of a date.

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](#), Superseded 05/10/2016

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—medical indemnity claim finalisation date, DDMMYYYY Health](#), Superseded 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 Aged Care](#), Standard 30/06/2023

[Australian Institute of Health and Welfare, Recorded 09/08/2023](#)
[Australian Teacher Workforce Data Oversight Board, Standard 30/08/2022](#)
[Children and Families, Standard 22/11/2016](#)
[Commonwealth Department of Health, Retired 19/08/2023](#)
[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, Standard 31/08/2016](#)
[WA Health, Standard 19/03/2015](#)
[Youth Justice, Standard 15/02/2022](#)

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, MMYYYY](#)
[Tasmanian Health, Superseded 06/05/2021](#)

See also [Person—date of birth, YYYY](#)
[Australian Teacher Workforce Data Oversight Board, Recorded 27/10/2022](#)
[Health, Qualified 18/07/2024](#)
[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](#)
[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 [Statistical linkage key 581 cluster](#)
[Health, Superseded 17/12/2021](#)
[Homelessness, Standard 10/08/2018](#)

See also [Statistical linkage key 581 cluster](#)
[Health, Standard 17/12/2021](#)

Implementation in Data Set Specifications: [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

[Dementia NBPDS](#)

Health, Standard 05/10/2022

[Duplicate record cluster](#)

Health, Standard 05/10/2016

[Health care client identification DSS](#)

Health, Superseded 03/12/2008

[Health care client identification DSS](#)

Health, Retired 20/03/2013

[Health care provider identification DSS](#)

Health, Superseded 04/07/2007

[Health care provider identification DSS](#)

Health, Superseded 03/12/2008

[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](#)

[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

[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.