

National Healthcare Agreement: PI 10—Prevalence of Type 2 diabetes, 2020

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National Healthcare Agreement: PI 10—Prevalence of Type 2 diabetes, 2020

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 10—Prevalence of Type 2 diabetes, 2020
METEOR identifier:	716381
Registration status:	Health! , Standard 13/03/2020
Description:	The proportion of people who have Type 2 diabetes.
Indicator set:	National Healthcare Agreement (2020) Health! , Standard 13/03/2020
Outcome area:	Prevention Health! , Standard 07/07/2010

Collection and usage attributes

Computation description: The National Health Measures Survey component of the 2011–13 Australian Health Survey (ABS cat. no. [4364.0.55.005](#)) included a fasting plasma glucose test.

A respondent to the survey is considered to have *known diabetes* if they had ever been told by a doctor or nurse that they have Type 2 diabetes and:

- they were taking diabetes medication (either insulin or tablets); or
- their blood test result for fasting plasma glucose was greater than or equal to 7.0 mmol/L.

A respondent to the survey is considered to have *newly diagnosed diabetes* if they reported no prior diagnosis of diabetes, but had a fasting plasma glucose value greater than or equal to 7.0 mmol/L.

Excludes persons who did not fast for 8 hours or more prior to their blood test.

Excludes women with gestational diabetes.

The data are reported for two age ranges:

- people aged 18 and over; and
- people aged 25 and over, as a supplementary measure.

Rates are directly age-standardised to the 2001 Australian population.

Analysis by remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-Economic Disadvantage (IRSD) is based on usual residence of the person (based on data availability).

Presented as a percentage.

95% confidence intervals and relative standard errors calculated for rates.

Note: The type of diabetes for newly diagnosed cases cannot be determined from a fasting plasma glucose or HbA1c test alone. However, it is assumed that the vast majority of newly diagnosed cases would be Type 2.

Computation: $100 \times (\text{Numerator} \div \text{Denominator})$

Numerator:

Number of persons aged 18 and over with *known diabetes* (Type 2) or *newly diagnosed diabetes* as determined by a fasting plasma glucose test.

For the supplementary measure: number of persons aged 25 and over with *known diabetes* (Type 2) or *newly diagnosed diabetes* as determined by a fasting plasma glucose test.

Numerator data elements:**Data Element / Data Set**

Person with known diabetes (Type 2) or newly diagnosed diabetes as determined by a fasting plasma glucose test

Data Source

[ABS Australian Health Survey \(AHS\), 2011–13 \(2011–12 National Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Person—age

Data Source

[ABS Australian Health Survey \(AHS\), 2011–13 \(2011–12 National Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Person with known diabetes (Type 2) or newly diagnosed diabetes as determined by a fasting plasma glucose test

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Person—age

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Denominator:

Population aged 18 and over.

For the supplementary measure: population aged 25 and over.

Denominator data elements:

Data Element / Data Set

Person—age

Data Source

[ABS Australian Health Survey \(AHS\), 2011–13 \(2011–12 National Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Person—age

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Disaggregation:

State and territory, by:

- sex
- Indigenous status.

Nationally, by:

- remoteness (Australian Statistical Geography Standard (ASGS) Remoteness Structure)
- 2011 SEIFA IRSD quintiles.

Some disaggregation may result in numbers too small for publication.

Disaggregation data elements:

Data Element / Data Set

Person—Indigenous status

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Person—sex

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2011\) N\(9\)](#)

Data Source

[ABS Australian Health Survey \(AHS\), 2011–13 \(2011–12 National Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Used for disaggregation by state/territory, remoteness and SEIFA of residence

Data Element / Data Set

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2011\) N\(9\)](#)

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012–13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Guide for use

Data source type: Survey

Used for disaggregation by state/territory

Comments: Most recent data available for 2020 National Healthcare Agreement performance reporting: 2011-12 (total population, non-Indigenous: AHS); 2012-13 (Indigenous only: AATSIHS).

NO NEW DATA FOR 2020 REPORTING.

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: N[NN].N

Data source attributes

Data sources:

Data Source

[ABS Australian Health Survey \(AHS\), 2011-13 \(2011-12 National Health Measures Survey component\)](#)

Data custodian

Australian Bureau of Statistics

Data Source

[ABS Australian Aboriginal and Torres Strait Islander Health Survey \(AATSIHS\), 2012-13 \(National Aboriginal and Torres Strait Islander Health Measures Survey component\)](#)

Data custodian

Australian Bureau of Statistics

Accountability attributes

Reporting requirements: National Healthcare Agreement

Organisation responsible for providing data: Australian Bureau of Statistics

Benchmark: [PB c-Better health: reduce the age-adjusted prevalence rate for Type 2 diabetes to 2000 levels \(equivalent to a national prevalence rate \(for 25 years and over\) of 7.1 per cent\) by 2023, 2020](#)

Further data development / collection required: Specification: Final, the measure meets the intention of the indicator.

Source and reference attributes

Submitting organisation: Australian Bureau of Statistics

Relational attributes

**Related metadata
references:**

Supersedes [National Healthcare Agreement: PI 10—Prevalence of Type 2 diabetes, 2019](#)

[Health!](#), Superseded 13/03/2020

Has been superseded by [National Healthcare Agreement: PI 10—Prevalence of Type 2 diabetes, 2021](#)

[Health!](#), Standard 03/07/2020

See also [Australian Health Performance Framework: PI 3.1.7—Prevalence of type 2 diabetes, 2019](#)

[Health!](#), Standard 09/04/2020

See also [Australian Health Performance Framework: PI 3.1.7—Prevalence of type 2 diabetes, 2020](#)

[Health!](#), Standard 13/10/2021

See also [National Healthcare Agreement: PB c—Better health: reduce the age-adjusted prevalence rate for Type 2 diabetes to 2000 levels \(equivalent to a national prevalence rate \(for 25 years and over\) of 7.1 per cent\) by 2023, 2020](#)

[Health!](#), Standard 13/03/2020

See also [National Healthcare Agreement: PI 15—Effective management of diabetes, 2020](#)

[Health!](#), Standard 13/03/2020