

# **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, 2015**

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# 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, 2015

## Identifying and definitional attributes

|                             |  |
|-----------------------------|--|
| <b>Metadata item type:</b>  | Indicator  |
| <b>Indicator type:</b>      | Indicator  |
| <b>Short name:</b>          | PB c-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, 2015 |
| <b>METEOR identifier:</b>   | 559077   |
| <b>Registration status:</b> | <a href="#">Health</a> , Superseded 08/07/2016   |
| <b>Description:</b>         | Proportion of people with Type 2 diabetes.   |
| <b>Indicator set:</b>       | <a href="#">National Healthcare Agreement (2015)</a><br><a href="#">Health</a> , Superseded 08/07/2016   |
| <b>Outcome area:</b>        | <a href="#">Prevention</a><br><a href="#">Health</a> , Standard 07/07/2010   |

## Collection and usage attributes

### Computation description: Proxy measure:

The National Health Measures Survey component of the 2011–13 Australian Health Survey (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.

Population is limited to persons aged 25 years and over.

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 person (subject to 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 test alone. However, it is assumed that the vast majority of newly diagnosed cases would be Type 2.

**Computation:** 100 x (numerator/denominator)

**Numerator:** Number of persons aged 25 years 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 25 years 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:**

2011–12—State and territory, by:

- sex (previously supplied)
- Indigenous status (non-Indigenous only).

2011–12 (previously supplied)—Nationally, by:

- remoteness (Australian Statistical Geography Standard (ASGS) Remoteness Structure).
- 2011 Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-economic Disadvantage (IRSD) quintiles.

2012-13—State and territory by Indigenous status (Indigenous only).

Some disaggregation may results in numbers too small for publication.

**Disaggregation data elements:**

**Data Element / Data Set**

Person—Indigenous status

**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—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

**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 2015 National Healthcare Agreement (NHA) performance reporting: 2011–12 (total population, non-Indigenous: AHS); 2012–13 (Indigenous only: AATSIHS).

The baseline measure of 7.1 per cent is calculated from the [Australian Diabetes, Obesity and Lifestyle Study conducted in 1999–2000](#). Note that this number was age-standardised to the average of the 1999 and 2000 Australian populations, and was based on data from both oral glucose tolerance tests (OGTTs) and fasting plasma glucose tests. As an OGTT was not conducted as part of the National Health Measures Survey, the data supplied for the 2014 CRC report are not comparable to the baseline measure of 7.1 per cent.

Fasting plasma glucose test data will be supplied as a proxy from the AHS for this benchmark, age-standardised to the 2001 Australian population. The equivalent baseline measure from the Australian Diabetes, Obesity and Lifestyle Study, age-standardised to the 2001 Australian population and using fasting plasma glucose test data, has been calculated to be a rate of 5.0%.

**Representational attributes**

**Representation class:** Percentage

**Data type:** Real

**Unit of measure:** Person

## Indicator conceptual framework

**Framework and dimensions:** [Health conditions](#)

## 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:** [National Healthcare Agreement Performance Benchmark](#)

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.

Refer: <http://www.federalfinancialrelations.gov.au/content/npa/healthcare/national-agreement.pdf>

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

## Relational attributes

**Related metadata references:**

Supersedes [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, 2014](#)  
Health, Superseded 14/01/2015

Has been superseded by [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, 2016](#)  
Health, Superseded 31/01/2017

See also [National Healthcare Agreement: PI 10-Prevalence of Type 2 diabetes, 2015](#)  
Health, Superseded 08/07/2016

See also [National Healthcare Agreement: PI 15-Effective management of diabetes, 2015](#)  
Health, Superseded 08/07/2016