

National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2014

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National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2014

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 01-Proportion of babies born of low birth weight, 2014
METEOR identifier:	517688
Registration status:	Health , Superseded 14/01/2015
Description:	The incidence of low birthweight among liveborn singleton babies of Aboriginal and Torres Strait Islander mothers and other mothers.
Indicator set:	National Healthcare Agreement (2014) Health , Superseded 14/01/2015
Outcome area:	Prevention Health , Standard 07/07/2010
Data quality statement:	National Healthcare Agreement: PI 01-Proportion of babies born with low birth weight, 2014 QS Health , Superseded 14/01/2015

Collection and usage attributes

Computation description:	<p>Low birthweight is defined as less than 2,500 grams.</p> <p>Excludes multiple births and stillbirths.</p> <p>Analysis by state/territory, remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-economic Disadvantage (IRSD) is based on usual residence of the mother.</p> <p>Data excludes Australian non-residents, residents of external territories and records where state/territory of residence was not stated.</p> <p>Variability bands are to be calculated for single-year and aggregate years data by state and territory using the method below.</p> <p>Presented as a:</p> <ul style="list-style-type: none">• percentage, and• number (for disaggregations by Indigenous status).
Computation:	<p>$100 \times (\text{Numerator} \div \text{Denominator})$</p> <p>Variability bands: to be calculated using the standard method for estimating 95% confidence intervals as follows:</p> $CI (CR)_{95\%} = CR \pm 1.96 \times \frac{CR}{\sqrt{\sum_{i=1}^n d}}$ <p>Where n=number of live-born singleton infants.</p> <p>CI = confidence interval</p> <p>CR = crude rate (expressed as a percentage)</p>
Numerator:	Number of low birthweight liveborn singleton infants.

Numerator data elements:

Data Element / Data Set

[Birth—birth weight, total grams NNNN](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Birth—birth status, code N](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Birth event—birth plurality, code N](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data

Denominator:

Number of liveborn singleton infants.

Denominator data elements:

Data Element / Data Set

[Birth—birth weight, total grams NNNN](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data
'Known birthweight' is defined as valid non-missing birthweight.

Data Element / Data Set

[Birth—birth status, code N](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

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Guide for use

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Data Element / Data Set

[Birth event—birth plurality, code N](#)

Data Source

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Data source type: Administrative by-product data

Disaggregation:

2011—Nationally by:

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

2011—State and territory, by:

- Indigenous status

2009–2011—State and territory, by:

- Indigenous status

Disaggregation by Indigenous status is recommended to be reported using three-year combined data for the current reporting period due to the small number of low birth weight infants born to Indigenous mothers each year. Single year data (2011) will be reported for time-series (state/territory by Indigenous status).

Disaggregation data elements:

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data
Indigenous status of infants is based on the Indigenous status of the mother.

Data Element / Data Set

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

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

NMDS / DSS

[Perinatal NMDS 2010-2011](#)

Guide for use

Data source type: Administrative by-product data
Used for disaggregation by state/territory, remoteness and SEIFA IRSD.
Geographical unit used is Statistical Local Area. If data are coded according to ASGC boundaries in another year, concordance files are used to map between boundaries.

Comments:

Most recent data available for 2014 Council of Australian Governments (COAG) Reform Council (CRC) report: 2011 (calendar year data).

Indigenous: Aggregated data (2009 to 2011) will be reported for the current reporting period (state and territory).

Single year data (2011) will be reported for time-series (state and territory).

Information is included in the National Perinatal Data Collection (NPDC) for all live births and still births of at least 400 grams birthweight or at least 20 weeks gestation. Indigenous status of infants is currently only available based on the Indigenous status of the mother.

For further detailed analysis by Indigenous status see the CRC *National Indigenous Reform Agreement* (NIRA) report.

For 2011 data, the 2011 SEIFA IRSD quintile and decile data will be produced using the Australian Standard Geographical Classification (ASGC) geographical unit of Statistical Local Area (SLA). In future years, these data will be produced using the Australian Statistical Geography Standard (ASGS) geographical unit of Statistical Area 2 (SA2).

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: N[NN.NN]

Indicator conceptual framework

Data source attributes

Data sources:

Data Source

[AIHW National Perinatal Data Collection \(NPDC\)](#)

Frequency

Calendar years ending 31 December each year

Data custodian

Australian Institute of Health and Welfare

Accountability attributes

Reporting requirements: National Healthcare Agreement

Organisation responsible for providing data: Australian Institute of Health and Welfare

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

Relational attributes

Related metadata references:

Supersedes [National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2013](#)

[Health](#), Superseded 30/04/2014

Has been superseded by [National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2015](#)

[Health](#), Superseded 08/07/2016

See also [National Health Performance Authority Healthy Communities: Percentage of live singleton births that were of low birthweight, 2007–2011](#)

[National Health Performance Authority \(retired\)](#), Retired 01/07/2016

See also [National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2014](#)

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

See also [National Indigenous Reform Agreement: PI 07-Proportion of babies born of low birth weight, 2015](#)

[Indigenous](#), Superseded 18/11/2015