

National Healthcare Agreement: PI 01—Proportion of babies born of low birth weight, 2019

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National Healthcare Agreement: PI 01–Proportion of babies born of low birth weight, 2019

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 01–Proportion of babies born of low birth weight, 2019
METEOR identifier:	698938
Registration status:	Health , Superseded 13/03/2020
Description:	The incidence of low birthweight among live born singleton babies.
Indicator set:	National Healthcare Agreement (2019) Health , Superseded 13/03/2020
Outcome area:	Prevention Health , Standard 07/07/2010

Collection and usage attributes

Computation description:	<p>Low birthweight is defined as less than 2,500 grams.</p> <p>Excludes multiple births, stillbirths and births of less than 20 weeks gestation.</p> <p>Analysis by state/territory, remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-Economic Disadvantage (IRSD) is based on the usual residence of the mother.</p> <p>Data excludes Australian non-residents, residents of external territories and records where state/territory of usual residence was not stated.</p> <p>Variability bands are to be calculated for single-year and aggregate years using the standard method (see definition under <i>Computation</i>).</p> <p>Presented as a:</p> <ul style="list-style-type: none">• number, and• percentage.
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> $CI (CR)_{95\%} = CR \pm 100 \times 1.96 \times \sqrt{[(CR/100) \times (1 - (CR/100))]/n}$ <p>Where n=number of live born singleton babies.</p> <p>CI = confidence interval</p> <p>CR = crude rate (expressed as a percentage)</p>
Numerator:	Number of low birthweight live born singleton babies.

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 2014-18](#)

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 2014-18](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Product of conception—gestational age, completed weeks N\[N\]](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

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 2014-18](#)

Guide for use

Data source type: Administrative by-product data

Denominator:

Number of live born singleton babies.

Denominator data elements:

Data Element / Data Set

[Birth—birth status, code N](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Product of conception—gestational age, completed weeks N\[N\]](#)

Data Source

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

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Data source type: Administrative by-product data

Data Element / Data Set

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

Data Source

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Data source type: Administrative by-product data

Disaggregation:

2016—Nationally, by (all not reported):

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

2016—State and territory, by:

- Indigenous status of the mother
- Indigenous status of the baby

2014–16—State and territory, by (all not reported):

- Indigenous status of the mother
- Indigenous status of the baby

Disaggregation by Indigenous status of the mother and the baby are recommended to be reported using 3-year combined data for the current reporting period due to the small number of low birthweight babies born to Indigenous mothers each year, and the small number of low birthweight Indigenous babies born each year. Single year data (2016) will be reported for time series (state/territory by Indigenous status).

Note that data collection methods for Indigenous status of the mother and baby may vary between states and territories.

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

[Person—Indigenous status, code N](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

Data source type: Administrative by-product data

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 2014-18](#)

Guide for use

Data source type: Administrative by-product data

Used for disaggregation by state/territory, remoteness and SEIFA IRSD.

Geographic unit used is Statistical Area Level 2 (SA2) in the Australian Statistical Geography Standard (ASGS). If data are coded according to the Australian Standard Geographical Classification (ASGC) boundaries, concordance files are used to map to the ASGS.

Comments: Most recent data available for 2019 National Healthcare Agreement performance reporting: 2016 (calendar year data).

Indigenous: Aggregated data (2014 to 2016) will be reported for the current reporting period (state and territory).

Single year data (2016) will be reported for time-series (state and territory).

Information is included in the National Perinatal Data Collection (NPDC) for all live births and stillbirths of at least 400 grams birthweight or at least 20 weeks gestation. Data for this indicator may therefore include live born terminations of pregnancy of at least 20 weeks gestation.

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: N[NN].N

Indicator conceptual framework

Framework and dimensions: [Community and socioeconomic](#)

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, 2018](#)
Health, Superseded 19/06/2019

Has been superseded by [National Healthcare Agreement: PI 01–Proportion of babies born of low birth weight, 2020](#)
Health, Standard 13/03/2020

See also [National Healthcare Agreement: PI 07–Infant and young child mortality rate, 2019](#)
Health, Superseded 13/03/2020

See also [National Indigenous Reform Agreement: PI 07-Proportion of babies born of low birthweight, 2020](#)
Indigenous, Standard 23/08/2019

