

National Healthcare Agreement: PI 01—Proportion of babies born of low birth weight, 2022

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National Healthcare Agreement: PI 01—Proportion of babies born of low birth weight, 2022

Identifying and definitional attributes

| | |
|-----------------------------|--|
| Metadata item type: | Indicator |
| Indicator type: | Progress measure |
| Short name: | PI 01—Proportion of babies born of low birth weight, 2022 |
| METEOR identifier: | 740894 |
| Registration status: | Health , Standard 24/09/2021 |
| Description: | The incidence of low birthweight among live born singleton babies. |
| Indicator set: | National Healthcare Agreement (2022) Health , Standard 24/09/2021 |
| 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 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: | <table><tr><th>Data Element / Data Set</th></tr><tr><td>Birth—birth weight, total grams NNNN</td></tr><tr><td>Data Source</td></tr><tr><td>AIHW National Perinatal Data Collection (NPDC)</td></tr><tr><td>NMDS / DSS</td></tr></table> | Data Element / Data Set | Birth—birth weight, total grams NNNN | Data Source | AIHW National Perinatal Data Collection (NPDC) | NMDS / DSS |
| 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

[Product of birth—birthweight, total grams N\[NNN\]](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2019–20](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

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

Data Source

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

NMDS / DSS

[Perinatal NMDS 2019–20](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Product of birth—birth status, code N](#)

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[Pregnancy—birth plurality, code N](#)

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Data source type: Administrative by-product data

Denominator:

**Denominator data
elements:**

Number of live born singleton babies.

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[Birth—birth status, code N](#)

Data Source

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Data source type: Administrative by-product data

Disaggregation:

2019—Nationally, by (all not reported):

- remoteness (Australian Statistical Geography Standard (ASGS) 2016 Remoteness Structure)
- 2016 Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-Economic Disadvantage (IRSD) deciles.

2019—State and territory, by:

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

2017–19—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 (2019) is 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](#)

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[Person—Indigenous status, code N](#)

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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 \(ASGS 2016\) N\(9\)](#)

Data Source

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

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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).

Data Element / Data Set

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2016\) N\(9\)](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2018-19](#)

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).

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[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2016\) N\(9\)](#)

Data Source

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

NMDS / DSS

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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).

Comments:

Most recent data available for 2022 National Healthcare Agreement performance reporting: 2019 (calendar year data).

Indigenous: Aggregated data (2017 to 2019) is reported for the current reporting period (state and territory).

Single year data (2019) is 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.

Data by state/territory cannot be reconciled by individual jurisdictions as data are collected by place of birth but are published by place of residence.

Birthweight data on babies born to Aboriginal and Torres Strait Islander mothers residing in Tasmania and the ACT should be viewed with caution as they are based on small numbers of births.

Rates derived from administrative data counts are not subject to sampling error but might be subject to natural random variation, especially for small counts. Variability bands associated with each estimate are reported to account for this (for example, 80.0 ± 2.7). Variability bands can be used for comparisons within individual states/territories or over time, but not for comparisons with other states/territories or between states/territories and national totals.

Further details are available from the Aboriginal and Torres Strait Islander Health Performance Framework ([measure 1.01: Low birthweight](#)).

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.

Source and reference attributes

Reference documents: Australian Institute of Health and Welfare (AIHW) 2020. *Aboriginal and Torres Strait Islander Health Performance Framework*. Canberra: AIHW. Viewed 19 February 2021, <https://indigenoushpf.gov.au/>

Relational attributes

Related metadata references: Supersedes [National Healthcare Agreement: PI 01–Proportion of babies born of low birth weight, 2021](#)
[Health](#), Standard 16/09/2020
See also [Australian Health Performance Framework: PI 3.1.6–Proportion of babies born with low birthweight, 2020](#)
[Health](#), Standard 02/12/2020
See also [National Healthcare Agreement: PI 07–Infant and young child mortality rate, 2022](#)
[Health](#), Standard 24/09/2021
See also [National Indigenous Reform Agreement: PI 07-Proportion of babies born of low birthweight, 2020](#)
[Indigenous](#), Standard 23/08/2019