

# **National Indigenous Reform Agreement: P10- Mortality rates (and excess deaths) for children under 5 by leading causes, 2010**

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# National Indigenous Reform Agreement: P10-Mortality rates (and excess deaths) for children under 5 by leading causes, 2010

## Identifying and definitional attributes

|                                |   |
|--------------------------------|---|
| <b>Metadata item type:</b>     | Indicator   |
| <b>Indicator type:</b>         | Indicator   |
| <b>Short name:</b>             | Mortality rates (and excess deaths) for children under 5 by leading causes, 2010  |
| <b>METEOR identifier:</b>      | 396468  |
| <b>Registration status:</b>    | <a href="#">Community Services (retired)</a> , Superseded 04/04/2011  |
| <b>Description:</b>            | <p>There are two measures for this indicator:</p> <p>Measure (1a): Mortality rates for children aged less than five years, by leading causes of death (ICD-10 chapter level), by Indigenous status</p> <p>Measure (1b): Excess deaths for Indigenous children aged less than five years, by leading causes of death (ICD-10 chapter level).</p> |
| <b>Rationale:</b>              | High level of public interest. Key measure for the 'Closing the Gap' indicator of halving the gap in mortality rates for children under 5.  |
| <b>Indicator set:</b>          | <a href="#">National Indigenous Reform Agreement (2010)</a><br><a href="#">Community Services (retired)</a> , Superseded 04/04/2011   |
| <b>Outcome area:</b>           | <a href="#">Indigenous children have the same health outcomes as other Australian children</a><br><a href="#">Indigenous</a> , Standard 21/07/2010  |
| <b>Data quality statement:</b> | <a href="#">National Indigenous Reform Agreement: P10-Mortality rates (and excess deaths) for children under 5 by leading causes, 2010 QS</a><br><a href="#">Community Services (retired)</a> , Superseded 04/04/2011   |

## Collection and usage attributes

|                                 |   |
|---------------------------------|---|
| <b>Population group age to:</b> | Children under 5 years  |
| <b>Computation description:</b> | <p>'Perinatal mortality' is defined as death of an infant within 28 days of birth (neonatal death) or of a fetus (unborn child) that weighs at least 400 grams or, if birth weight is unavailable, at gestational age of 20 weeks or more.</p> <p>Part A: Number, rates, rate ratio and rate difference</p> <p>Part B: Excess deaths for Indigenous children aged less than 5 years is defined as the observed number of Indigenous deaths among perinatals; infants; children aged 1–4 years and children aged 0–4 years less expected number of deaths among Indigenous children of the corresponding age group if the age specific rate of the non-Indigenous population was applied to the Indigenous population.</p> |
| <b>Computation:</b>             | <p>Part A:</p> <p>Perinatal and infant mortality rates: <math>1000 \times (\text{Numerator} \div \text{Denominator})</math></p> <p>Children 1-4 and 0-4 years mortality rates: <math>100,000 \times (\text{Numerator} \div \text{Denominator})</math></p> <p>Part B: Excess deaths: Observed number of Indigenous deaths less expected number of deaths if the age specific rate of the non-Indigenous population was applied to the Indigenous population for the given age groups above.</p>  |

**Numerator:**

Perinatal: Number of perinatal deaths (foetal and neo-natal)

Infant: Number of deaths among children aged 0-1 years

Children 1-4: Number of deaths among children aged 1-4 years

Children 0-4: Number of deaths among children 0 to 4 years

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

Number of foetal and neo-natal deaths

**Data Source**

[ABS Perinatal Deaths Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Perinatal numerator data source

**Data Element / Data Set**

[Birth—birth status, code N](#)

**Data Source**

[ABS Perinatal Deaths Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Perinatal numerator data source

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Infant and child numerator data source

**Data Element / Data Set**

[Person—date of death, DDMMYYYY](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Infant and child numerator data source

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Infant and child numerator data source

**Denominator:**

Perinatal: Number of all live births and stillbirths

Infant: Number of live births

Children 1-4: Population aged 1-4 years

Children 0-4: Population aged 0-4 years

**Denominator data elements:**

**Data Element / Data Set**

[Birth—birth status, code N](#)

**Data Source**

[ABS birth registration data](#)

**Guide for use**

Data source type: Administrative by-product data

Perinatal denominator data source

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Guide for use**

Data source type: ERP is derived from Census, PES and assumptions on future fertility, mortality, net migration, etc.

Child 1-4 and 0-4 years denominator data source

**Data Element / Data Set**

[Person—age, total years N\[NN\].N](#)

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

Data source type: ERP is derived from Census, PES and assumptions on future fertility, mortality, net migration, etc.

Child 1-4 and 0-4 years denominator data source

**Data Element / Data Set**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

Data source type: Estimated resident population (ERP) is derived from Census, Post-enumeration survey (PES) and assumptions on future fertility, mortality, net migration, etc.

Child 1-4 and 0-4 years denominator data source

#### Data Element / Data Set

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

##### Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

##### Guide for use

Data source type: ERP is derived from Census, PES and assumptions on future fertility, mortality, net migration, etc.

Child 1-4 and 0-4 years denominator data source

#### Disaggregation data elements:

#### Data Element / Data Set

[Person—Indigenous status, code N](#)

##### Data Source

[ABS Causes of Death Collection](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—Indigenous status, code N](#)

##### Data Source

[ABS Perinatal Deaths Collection](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

##### Data Source

[ABS Causes of Death Collection](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

##### Data Source

[ABS Perinatal Deaths Collection](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—area of usual residence, geographical location code \(ASGC 2007\)](#)  
NNNNN

#### Data Source

[ABS Causes of Death Collection](#)

#### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—area of usual residence, geographical location code \(ASGC 2007\)](#)  
NNNNN

#### Data Source

[ABS Perinatal Deaths Collection](#)

#### Guide for use

Data source type: Administrative by-product data

#### Comments:

Required disaggregation: By leading causes of death; National and state/territory by Indigenous status, by leading cause of death (ICD-10 chapter level)

Recommended disaggregation: National, by Indigenous status, by leading cause of death (ICD-10 chapter level)

Most recent data available for 2010 CRC baseline report: 2007

At this stage, only selected states and territories (NSW, Qld, WA, SA & NT) are considered of accepted quality for reporting Indigenous deaths for all ages.

Indigenous child and particularly infant mortality data is subject to high variability due to small numbers of deaths among children 0 to 4 years.

Due to small number of Indigenous deaths reported each year 5 year, combined data are recommended for reporting.

Perinatal data from the National Perinatal Data Collection (NPDC) is unable to be reported by cause of death. Therefore, the Australian Bureau of Statistics (ABS) death registrations data is recommended for reporting perinatal mortality rates by cause of death.

## Representational attributes

**Representation class:** Rate  
**Data type:** Real  
**Unit of measure:** Person  
**Format:** N[NN].N

## Indicator conceptual framework

**Framework and dimensions:** [Deaths](#)

## Data source attributes

#### Data sources:

#### Data Source

[ABS birth registration data](#)

Frequency

Annual

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Causes of Death Collection](#)

**Frequency**

Annual

**Data quality statement**

[ABS causes of death collection, QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Frequency**

Periodic

**Data quality statement**

[ABS Indigenous experimental estimates and projections, QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Perinatal Deaths Collection](#)

**Frequency**

Annual

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Frequency**

Quarterly

**Data quality statement**

[ABS Estimated resident population \(total population\), QS](#)

**Data custodian**

Australian Bureau of Statistics

## Accountability attributes

**Organisation responsible for providing data:** Australian Bureau of Statistics

**Further data development / collection required:** Specification: Long-term

The statistical agencies and state/territory governments are currently working with Registrars, funeral directors and doctors to improve the quality of Indigenous status information on death notification forms and death certificates.

Indigenous identification needs improvement in deaths data.

## Relational attributes

**Related metadata references:**

Has been superseded by [National Indigenous Reform Agreement: PI 10-Mortality rates \(and excess deaths\) by leading causes for children under 5, 2011 Indigenous](#), Superseded 01/07/2012

See also [National Healthcare Agreement: P19-Infant/young child mortality rate, 2010 Health](#), Superseded 08/06/2011