

# National Core Maternity Indicators: PI 04—Apgar score of less than 7 at 5 minutes for births at or after term (2016)

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# National Core Maternity Indicators: PI 04—Apgar score of less than 7 at 5 minutes for births at or after term (2016)

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Common name:</b>	Apgar score of less than 7 at 5 minutes for births at or after term.
<b>Short name:</b>	PI 04—Apgar score of less than 7 at 5 minutes for births at or after term (2016)
<b>METEOR identifier:</b>	613180
<b>Registration status:</b>	<a href="#">Health!</a> , Superseded 06/09/2018
<b>Description:</b>	The proportion of infants liveborn at or after term (from 37 completed weeks gestational age) with an Apgar score of less than 7 at 5 minutes after birth.
<b>Rationale:</b>	This indicator of the condition of the baby after birth provides an outcome measure of intrapartum care and newborn resuscitation.
<b>Indicator set:</b>	<a href="#">National Core Maternity Indicators (2016)</a> <a href="#">Health!</a> , Superseded 06/09/2018

## Collection and usage attributes

<b>Computation description:</b>	The proportion of infants liveborn at or after term (from 37 completed weeks gestational age) with an Apgar score of less than 7 at 5 minutes.
<b>Computation:</b>	$100 \times (\text{Numerator} \div \text{Denominator})$
<b>Numerator:</b>	The number of babies born alive at or after term (from 37 completed weeks gestational age) with an Apgar score of less than 7 at 5 minutes.

**Numerator data elements:**

**Data Element / Data Set**

[Birth—birth status, code N](#)

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Birth—Apgar score \(at 5 minutes\), code NN](#)

**Data Source**

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

**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 \(NPDC\)](#)

**Guide for use**

Data source type: Administrative by-product data

**Denominator:**

The number of liveborn babies born at or after term (from 37 completed weeks gestational age).

**Denominator data elements:**

**Data Element / Data Set**

[Birth—birth status, code N](#)

**Data Source**

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

**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 \(NPDC\)](#)

**Guide for use**

Data source type: Administrative by-product data

**Disaggregation:**

- Year of birth
- State or territory of birth
- Hospital annual number of births
- Indigenous status of mother
- Labour/non-labour
- Hospital sector

**Disaggregation data elements:**

**Data Element / Data Set**

Hospital annual number of births

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

Hospital sector

**Data Source**

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

**Data Element / Data Set**

[Birth event—state/territory of birth, code N](#)

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Birth event—labour onset type, code N](#)

**Data Source**

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

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Comments:**

Data elements are from the Perinatal national minimum data set (NMDS) or have been provided as voluntary non-standardised items by the states and territories. Records with data that are missing, not stated or not interpretable have been excluded from the denominator.

A birth is defined as the event in which a baby comes out of the uterus after a pregnancy of at least 20 weeks gestation or weighing 400 grams or more. If the baby is alive the birth is a live birth. If the baby is not alive the birth is a stillbirth.

The Apgar score is a system of assessing the baby's breathing, pulse, colour, movement and reflexes at 5 minutes after birth. It is a score out of 10, with higher scores indicating better condition of the baby. A score of less than 7 at 5 minutes after birth is considered to be an indicator of complications and of compromise for the baby.

Gestational age is a clinical measure of the duration of the pregnancy. For the National Perinatal Data Collection gestational age is reported as completed weeks. Term is defined as gestational age between 37 and 41 weeks.

Births included are liveborn babies born at or after term.

Births excluded are stillbirths and babies born before term (before 37 weeks).

Source of definition: Core Maternity Indicators Project (CMIP) indicator 7, modified to include all births after 37 completed weeks.

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

## 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

## Relational attributes

**Related metadata references:**

Supersedes [National Core Maternity Indicators: PI 04-Apgar score of less than 7 at 5 minutes for births at or after term \(2013\)](#)  
[Health!](#), Superseded 02/02/2016

Has been superseded by [National Core Maternity Indicators: PI 04-Apgar score of less than 7 at 5 minutes for births at or after term, 2018](#)  
[Health!](#), Superseded 19/06/2019