

# **National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2019**

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# National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2019

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Common name:</b>	Non-instrumental vaginal birth for selected females giving birth for the first time
<b>Short name:</b>	PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2019
<b>METEOR identifier:</b>	717540
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 16/09/2020
<b>Description:</b>	The proportion of selected females giving birth for the first time who gave birth by non-instrumental vaginal birth.
<b>Rationale:</b>	This indicator is used to benchmark practice.
<b>Indicator set:</b>	<a href="#">National Core Maternity Indicators, 2019</a> <a href="#">Health</a> , Superseded 16/09/2020

## Collection and usage attributes

<b>Population group age from:</b>	20 years
<b>Population group age to:</b>	34 years
<b>Computation description:</b>	<p>The number of selected females giving birth for the first time who gave birth by non-instrumental vaginal birth, divided by all selected females, and multiplied by 100.</p> <p>Selected females criteria: Females included are those who gave birth for the first time and met all of the following criteria:</p> <ul style="list-style-type: none"><li>• aged between 20 and 34</li><li>• gestational age at birth between 37 and 41 completed weeks</li><li>• pregnancy has one baby only (singleton)</li><li>• the presentation of the baby is vertex (baby's head was at the cervix).</li></ul> <p>Excluded are those females who have given birth prior to the current birth or who did not meet the selection criteria.</p> <p>A birth is defined as an event in which a baby comes out of the uterus after a pregnancy of at least 20 weeks gestational age or weighing 400 grams or more.</p> <p>A non-instrumental vaginal birth is one in which the baby is born through the vagina without the assistance of instruments (vacuum or forceps).</p>
<b>Computation:</b>	$100 \times (\text{Numerator} \div \text{Denominator})$
<b>Numerator:</b>	The number of selected females giving birth for the first time who gave birth by non-instrumental vaginal birth.
<b>Numerator data elements:</b>	<div><b>Data Element / Data Set</b>  <a href="#">Person—date of birth, DDMMYYYY</a>  <b>Data Source</b>  <a href="#">Perinatal National Minimum Data Set (NMDS)</a>  <b>NMDS / DSS</b>  <a href="#">Perinatal NMDS 2014-18</a></div>

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Birth event—birth method, code N](#)

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

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**

[Perinatal National Minimum Data Set \(NMDS\)](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

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**

[Perinatal National Minimum Data Set \(NMDS\)](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Female—parity, total pregnancies N\[N\]](#)

**Denominator:**  
**Denominator data elements:**

<b>Data Source</b> <a href="#">Perinatal National Minimum Data Set (NMDS)</a> <b>NMDS / DSS</b> <a href="#">Perinatal NMDS 2014-18</a> <b>Guide for use</b> Data source type: Administrative by-product data
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All selected females.

<b>Data Element / Data Set</b> <a href="#">Person—date of birth, DDMMYYYY</a> <b>Data Source</b> <a href="#">Perinatal National Minimum Data Set (NMDS)</a> <b>NMDS / DSS</b> <a href="#">Perinatal NMDS 2014-18</a> <b>Guide for use</b> Data source type: Administrative by-product data
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<b>Data Element / Data Set</b> <a href="#">Product of conception—gestational age, completed weeks N[N]</a> <b>Data Source</b> <a href="#">Perinatal National Minimum Data Set (NMDS)</a> <b>NMDS / DSS</b> <a href="#">Perinatal NMDS 2014-18</a> <b>Guide for use</b> Data source type: Administrative by-product data
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<b>Data Element / Data Set</b> <a href="#">Birth event—birth presentation, code N</a> <b>Data Source</b> <a href="#">Perinatal National Minimum Data Set (NMDS)</a> <b>NMDS / DSS</b> <a href="#">Perinatal NMDS 2014-18</a> <b>Guide for use</b> Data source type: Administrative by-product data
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<b>Data Element / Data Set</b> <a href="#">Birth event—birth plurality, code N</a> <b>Data Source</b> <a href="#">Perinatal National Minimum Data Set (NMDS)</a> <b>NMDS / DSS</b>
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[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Female—parity, total pregnancies N\[N\]](#)

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**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
- Hospital sector
- Remoteness category (from mother's area of usual residence)
- Primary health network (from mother's area of usual residence)
- Statistical local area 3 (from mother's area of usual residence)

**Disaggregation data elements:**

**Data Element / Data Set**

**Data Element**

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**

**Data Element**

Hospital sector

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

**NMDS / DSS**

[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

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

**Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

**NMDS / DSS**

[Perinatal NMDS 2014-18](#)

**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.

For Tasmania prior to 2012, presentations via caesarean births were not reported by hospitals still using paper-based forms. Where a caesarean section occurred the presentation was recorded as 'Not stated'. Presentations via caesarean births was included in the paper-based form from 1 January 2013. As a result, Tasmania can only be reported 2013 onwards for selected females. Data for parity, a criteria to selected females, were not available from Victoria in 2009.

Source of definition: Australian Council on Healthcare Standards (ACHS) Indicator 1.1: Selected women giving birth for the first time who have a spontaneous vaginal birth. The ACHS defines a spontaneous vaginal birth as a vaginal birth, regardless of onset of labour, which is not assisted by forceps or vacuum and is not a vaginal breech delivery. This ACHS indicator is based on the definition by Women's Healthcare Australasia Core Maternity Indicators Project (WHA 2007).

## Representational attributes

<b>Representation class:</b>	Percentage
<b>Data type:</b>	Real
<b>Unit of measure:</b>	Person
<b>Format:</b>	N[NN.N]

## Data source attributes

**Data sources:****Data Source**

[Perinatal National Minimum Data Set \(NMDS\)](#)

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

**Data Source**

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

**Frequency**

Calendar years ending 31 December each year

**Data custodian**

Australian Institute of Health and Welfare

## Source and reference attributes

**Submitting organisation:** Australian Institute of Health and Welfare

**Reference documents:** ACHS (The Australian Council on Healthcare Standards, Health Services Research Group, University of Newcastle) 2014. The Australasian Clinical Indicator Report: 2006-2013. 15th edn. Sydney: ACHS. Viewed 9 April 2018, [https://www.achs.org.au/media/88679/clinical\\_indicator\\_report\\_2006\\_2013.pdf](https://www.achs.org.au/media/88679/clinical_indicator_report_2006_2013.pdf).

WHA (Women's Healthcare Australasia) 2007. Supporting excellence in maternity care: the core maternity indicators project: findings from the core maternity indicators project. Canberra: WHA.

## Relational attributes

### Related metadata references:

Supersedes [National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2018](#)

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

Has been superseded by [National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2020](#)

[Health](#), Superseded 17/12/2021