

# **National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2021**

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# National Core Maternity Indicators: PI 07—Non-instrumental vaginal birth for selected females giving birth for the first time, 2021

## 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, 2021
<b>METEOR identifier:</b>	747909
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 09/09/2022
<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, 2021</a> <a href="#">Health</a> , Superseded 09/09/2022

## 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 the complete expulsion or extraction from a female, of a product of conception of 20 or more completed weeks of gestation or of 400 grams or more birthweight.</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>	<table><tr><th>Data Element / Data Set</th></tr><tr><td><a href="#">Person—date of birth, DDMMYYYY</a></td></tr><tr><td>Data Source</td></tr><tr><td><a href="#">Perinatal National Minimum Data Set (NMDS)</a></td></tr><tr><td>NMDS / DSS</td></tr></table>	Data Element / Data Set	<a href="#">Person—date of birth, DDMMYYYY</a>	Data Source	<a href="#">Perinatal National Minimum Data Set (NMDS)</a>	NMDS / DSS
Data Element / Data Set						
<a href="#">Person—date of birth, DDMMYYYY</a>						
Data Source						
<a href="#">Perinatal National Minimum Data Set (NMDS)</a>						
NMDS / DSS						

[Perinatal NMDS 2019–20](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

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**

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

NMDS / DSS

[Perinatal NMDS 2019–20](#)

**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 2019–20](#)

**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 2019–20](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

**Denominator:**

**Denominator data elements:**

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

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2019–20](#)

**Guide for use**

Data source type: Administrative by-product data

All selected females.

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2019–20](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**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**

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

**NMDS / DSS**

[Perinatal NMDS 2019–20](#)

**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 2019–20](#)

**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 2019–20](#)

**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)
- Disadvantage quintile (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**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

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

NMDS / DSS

[Perinatal NMDS 2019–20](#)

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 2019–20](#)

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 2019–20](#)

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 2019–20](#)

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 a permissible value have been included in 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 were not available from Victoria in 2009. As a result 2009 data for selected females cannot be reported for Victoria.

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

**Representation class:** Percentage  
**Data type:** Real  
**Unit of measure:** Person  
**Format:** 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

## Accountability attributes

**Reporting requirements:** N/A  
**Organisation responsible for providing data:** Australian Institute of Health and Welfare  
**Accountability:** 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) 2020. The Australasian Clinical Indicator Report: 2012-2019. 21st edn. Sydney: ACHS. Viewed 11 November 2021, <https://www.achs.org.au/our-services/pos/previous-acir-publications>.

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, 2020](#)  
[Health](#), Superseded 17/12/2021

Has been superseded by [National Core Maternity Indicators: PI 07–Non-instrumental vaginal birth for selected females giving birth for the first time, 2022](#)  
[Health](#), Superseded 14/07/2023