

# National Core Maternity Indicators: PI 08— Instrumental vaginal birth for selected females giving birth for the first time, 2019

Exported from METEOR (AIHW's Metadata Online Registry)

© Australian Institute of Health and Welfare 2024

This product, excluding the AIHW logo, Commonwealth Coat of Arms and any material owned by a third party or protected by a trademark, has been released under a Creative Commons BY 4.0 (CC BY 4.0) licence. Excluded material owned by third parties may include, for example, design and layout, images obtained under licence from third parties and signatures. We have made all reasonable efforts to identify and label material owned by third parties.

You may distribute, remix and build on this website's material but must attribute the AIHW as the copyright holder, in line with our attribution policy. The full terms and conditions of this licence are available at <https://creativecommons.org/licenses/by/4.0/>.

Enquiries relating to copyright should be addressed to [info@aihw.gov.au](mailto:info@aihw.gov.au).

Enquiries or comments on the METEOR metadata or download should be directed to the METEOR team at [meteor@aihw.gov.au](mailto:meteor@aihw.gov.au).

# National Core Maternity Indicators: PI 08— 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>	Instrumental vaginal birth for selected females giving birth for the first time
<b>Short name:</b>	PI 08—Instrumental vaginal birth for selected females giving birth for the first time, 2019
<b>METEOR identifier:</b>	717542
<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 , Superseded 16/09/2020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 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 , Superseded 16/09/2020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 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 did not meet the selected females criteria.</p> <p>A birth is defined as the 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>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.</p> <p>An instrumental birth is a procedure that uses instruments (forceps or vacuum extraction) to assist the baby to come out through the vagina.</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 instrumental vaginal birth.				
<b>Numerator data elements:</b>	<table border="1"><tr><td><b>Data Element / Data Set</b></td></tr><tr><td><a href="#">Person—date of birth, DDMMYYYY</a></td></tr><tr><td><b>Data Source</b></td></tr><tr><td><a href="#">Perinatal National Minimum Data Set (NMDS)</a></td></tr></table>	<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>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>					

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**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\[N\]](#)

**Data Source**

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

**Guide for use**

Data source type: Administrative by-product data

**Denominator:**

All selected females.

**Denominator data elements:**

**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**

[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\[N\]](#)

**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
- Hospital sector
- Remoteness category (from mother's area of usual residence)
- Indigenous status of mother.
- 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**

Patient election status

**Data Source**

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

**Guide for use**

Data source type: Administrative by-product data

**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 \(NPDC\)](#)

**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 from 2005 to 2012, presentations via caesarean births were not reported by hospital still using paper-based form. 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. The year 2004 was not included in this analysis as trend for after this year could not be undertaken due to the above issue.

Data for parity, a criteria to selected females, were not available from Victoria in 2009.

Patient election status is available for all jurisdictions from 2006.

Source of definition: Australian Council on Healthcare Standards (ACHS) Indicator 1.3: Selected women giving birth for the first time who undergo an instrumental birth. The ACHS define an instrumental birth as the use of forceps or vacuum. 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

## 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 08—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 08—Instrumental vaginal birth for selected females giving birth for the first time, 2020](#)

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