

# National Core Maternity Indicators: PI 15—Females having their second birth vaginally whose first birth was by caesarean section, 2019

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# National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2019

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Common name:</b>	Females having their second birth vaginally whose first birth was by caesarean section
<b>Short name:</b>	PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2019
<b>METEOR identifier:</b>	717550
<b>Registration status:</b>	<a href="#">Health!</a> , Superseded 16/09/2020
<b>Description:</b>	The proportion of all females having their second birth vaginally whose first birth was by caesarean section.
<b>Rationale:</b>	The indicator is used to benchmark practice for vaginal birth following caesarean section.
<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 , Superseded 16/09/2020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>Computation description:</b>	<p>The number of females having their second birth vaginally whose first birth was by caesarean section, divided by the number of females having their second birth whose first birth was by caesarean section, and multiplied by 100.</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 gestation or weighing 400 grams or more.</p> <p>Included are those females who are having a singleton for their second birth and whose first birth was by caesarean section.</p> <p>Excluded are those females whose second birth is a multiple birth, those who are not having their second birth, and those who are having their second birth and whose first birth was a vaginal birth.</p>								
<b>Computation:</b>	$100 \times (\text{Numerator} \div \text{Denominator})$								
<b>Numerator:</b>	The number of females having their second birth vaginally whose first birth was by caesarean section.								
<b>Numerator data elements:</b>	<table border="1"><thead><tr><th>Data Element / Data Set</th></tr></thead><tbody><tr><td><a href="#">Birth event—birth method, code N</a></td></tr><tr><td><b>Data Source</b></td></tr><tr><td><a href="#">Perinatal National Minimum Data Set (NMDS)</a></td></tr><tr><td>NMDS / DSS</td></tr><tr><td><a href="#">Perinatal NMDS 2014-18</a></td></tr><tr><td><b>Guide for use</b></td></tr><tr><td>Data source type: Administrative by-product data</td></tr></tbody></table>	Data Element / Data Set	<a href="#">Birth event—birth method, code N</a>	<b>Data Source</b>	<a href="#">Perinatal National Minimum Data Set (NMDS)</a>	NMDS / DSS	<a href="#">Perinatal NMDS 2014-18</a>	<b>Guide for use</b>	Data source type: Administrative by-product data
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Data source type: Administrative by-product data									

**Data Element / Data Set**

[Female—caesarean section indicator \(last previous birth\) code N](#)

**Data Source**

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

**Guide for use**

This data item was used for 2007-2013 analysis.

Data source type: Administrative by-product data.

**Data Element / Data Set**

[Female—caesarean section at most recent previous birth indicator, code N](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2014-18](#)

**Guide for use**

This data item was used for 2014 onwards analysis.

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:**

The number of females having their second birth whose first birth was by caesarean section.

**Denominator data elements:**

**Data Element / Data Set**

[Female—caesarean section indicator \(last previous birth\) code N](#)

**Data Source**

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

**Guide for use**

This data item was used for 2007-2013 analysis.

Data source type: Administrative by-product data.

**Data Element / Data Set**

[Female—caesarean section at most recent previous birth indicator, code N](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2014-18](#)

**Guide for use**

This data item was used for 2014 onwards analysis.

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
- Mother's age at 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**

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.

From 2014, [Female—caesarean section at most recent previous birth indicator, code N](#) data item was introduced into the Perinatal NMDS. Although not an NMDS/DSS item prior to 2014, data items appear to match the data element developed by NPDDC, [Female—caesarean section indicator \(last previous birth\) code N](#). As a result, data from Victoria were not available in 2007 to 2009, and Western Australia in 2013.

Modified from Australian Council on Healthcare Standards (ACHS) Indicator 2.1: Vaginal birth following caesarean section. 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**

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

**Frequency**

Calendar years ending 31 December each year

**Data custodian**

Australian Institute of Health and Welfare

**Data Source**

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

**Frequency**

Annual

**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 15–Females having their second birth vaginally whose first birth was by caesarean section, 2018](#) Health!, Superseded 19/06/2019

Has been superseded by [National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2020](#) Health!, Superseded 17/12/2021