

# **National Core Maternity Indicators: PI 15—Females having their second birth vaginally whose first birth was by caesarean section, 2021**

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# National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2021

## 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, 2021
<b>METEOR identifier:</b>	748053
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 09/09/2022
<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, 2021</a> <a href="#">Health</a> , Superseded 09/09/2022

## 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 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>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>	<b>Data Element / Data Set</b>

[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, yes/no/not applicable/not stated/inadequately described code N](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2019–20](#)

**Guide for use**

This data item was used for 2014 onwards analysis.

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**

[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

**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, yes/no/not applicable/not stated/inadequately described code N](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2019–20](#)

**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 2019–20](#)

**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**

[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.

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 the National Perinatal Data Development Committee (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

## 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 15–Females having their second birth vaginally whose first birth was by caesarean section, 2020 Health](#), Superseded 17/12/2021

Has been superseded by [National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2022 Health](#), Superseded 14/07/2023