

National Core Maternity Indicators: PI 15—Females having their second birth vaginally whose first birth was by caesarean section, 2020

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National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2020

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Common name:	Females having their second birth vaginally whose first birth was by caesarean section
Short name:	PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2020
METEOR identifier:	728736
Registration status:	Health , Superseded 17/12/2021
Description:	The proportion of all females having their second birth vaginally whose first birth was by caesarean section.
Rationale:	The indicator is used to benchmark practice for vaginal birth following caesarean section.
Indicator set:	National Core Maternity Indicators, 2020 Health , Superseded 17/12/2021

Collection and usage attributes

Computation description:	<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>
Computation:	$100 \times (\text{Numerator} \div \text{Denominator})$
Numerator:	The number of females having their second birth vaginally whose first birth was by caesarean section.

Numerator data elements:

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

[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

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 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 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.

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, 2019](#)

[Health](#), Superseded 16/09/2020

Has been superseded by [National Core Maternity Indicators: PI 15–Females having their second birth vaginally whose first birth was by caesarean section, 2021](#)

[Health](#), Superseded 09/09/2022