

# **Australian Atlas of Healthcare Variation: Caesarean section for selected women giving birth for the first time, 2012-2014**

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# Australian Atlas of Healthcare Variation: Caesarean section for selected women giving birth for the first time, 2012-2014

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Caesarean section for selected women giving birth for the first time, 2012-2014
<b>METEOR identifier:</b>	639073
<b>Registration status:</b>	<a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 07/06/2017
<b>Description:</b>	Number of women who met the selection criteria* who gave birth by caesarean section, age standardised. Data are disaggregated by the area in which the mother lives.
<b>Rationale:</b>	This indicator is used to benchmark practice.
<b>Indicator set:</b>	<a href="#">Australian Atlas of Healthcare Variation 2017</a> <a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 07/06/2017

## Collection and usage attributes

<b>Population group age from:</b>	Females 20-34 years of age
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**Computation description:** Number of selected women giving birth for the first time who gave birth by caesarean section.

\* Selection criteria: Women included are those who gave birth for the first time and met all of the following criteria:

- aged between 20 and 34 years
- gestational age at birth between 37 and 41 completed weeks
- pregnancy has one baby only (singleton)
- the presentation of the baby is vertex (baby's head was at the cervix)

Excluded are those women who have given birth prior to the current birth or who did not meet the selection criteria.

#### Inclusion codes and description

Data Element	Code	Description
Birth Method	4	Caesarean section
Birth plurality	1	Singleton
Birth Presentation	1	Vertex

Presented as a number per 1,000 selected women.

Rates are directly age standardised to the 2001 Australian female population aged 20–34, using 5-year age groups: 20-24, 25-29 and 30-34.

For more information about age-standardisation in general see </content/index.phtml/itemId/327276>

Analysis by Statistical Area Level 3 (SA3) is based on usual residence of the mother.

**Computation:**  $1,000 \times (\text{Numerator} \div \text{Denominator})$

**Numerator:** Number of selected women giving birth for the first time who gave birth by caesarean section.

**Numerator data elements:** **Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

**Data Element / Data Set**

[Birth event—birth method, code N](#)

Data Source

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

**Data Element / Data Set**

[Product of conception—gestational age, completed weeks N\[N\]](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

**Data Element / Data Set**

[Birth event—birth presentation, code N](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

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[Perinatal NMDS 2013-14](#)

**Data Element / Data Set**

[Birth event—birth plurality, code N](#)

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

**Data Element / Data Set**

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

NMDS / DSS

[Perinatal NMDS 2014-18](#)

Guide for use

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

**Denominator:**

All selected women 2012-2014

**Denominator data elements:**

**Data Element / Data Set**

**Data Source**

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

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**Disaggregation:**

SA3 by:

- Remoteness (ASGC Remoteness structure) and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socioeconomic Disadvantage (IRSD)

State and territory by:

- Indigenous status
- Patient elected accommodation status

Cells of less than 5 have been suppressed. This is the lowest level of suppression that all states and territories have agreed to for the release of data from the National Perinatal Data Collection.

Crude rates have been suppressed where the denominator is less than 100, for reliability purposes. The corresponding age-standardised rate has also been suppressed in these cases.

In addition, age-standardised rates have been suppressed where the denominator for any age-stratified groups have fewer than 10 individuals.

**Disaggregation data elements:**

**Data Element / Data Set**

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2016\) N\(9\)](#)

**Data Source**

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

**NMDS / DSS**

[Perinatal NMDS 2014-18](#)

**Guide for use**

[Perinatal NMDS 2012-13](#)

[Perinatal NMDS 2013-14](#)

## Representational attributes

**Representation class:** Rate  
**Data type:** Integer  
**Unit of measure:** Episode  
**Format:** N[NNNN]

## 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

## Accountability attributes

**Methodology:**

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.

A birth is defined as the 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. Caesarean section is an operative procedure to remove the baby through an incision through a woman's abdomen and uterus.

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.

Patient elected accommodation status is available from all jurisdictions from 2006.

Source of definition: Australian Council of Healthcare Standards (ACHS) Indicator 1.4: Selected women giving birth for the first time undergoing caesarean section. This ACHS indicator is based on the definition by Women's Healthcare Australasia (WHA) Core Maternity Indicators Project (CMIP).

**Reporting requirements:**

Australian Commission on Safety and Quality in Health Care

*Australian Atlas of Healthcare Variation*

**Organisation responsible for providing data:**

Australian Institute of Health and Welfare

**Accountability:**

Australian Commission on Safety and Quality in Health Care

**Release date:**

07/06/2017

## Source and reference attributes

**Submitting organisation:**

Australian Commission on Safety and Quality in Health Care