

National Core Maternity Indicators: PI 08- Instrumental vaginal birth for selected women giving birth for the first time (2013)

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Common name:	Instrumental vaginal birth for selected women giving birth for the first time.
Short name:	PI 08-Instrumental vaginal birth for selected women giving birth for the first time (2013)
METEOR identifier:	557093
Registration status:	<ul style="list-style-type: none">• Health, Superseded 02/02/2016
Description:	The proportion of all women who met the selection criteria* and who had a vaginal birth with the assistance of instruments.
Rationale:	This indicator is used to benchmark practice.
Indicator set:	National Core Maternity Indicators (2013) Health , Superseded 02/02/2016

Collection and usage attributes

Population group age from:	20 years
Population group age to:	34 years

Computation description: The proportion of all women who met the selection criteria* and who had a vaginal birth with the assistance of instruments.

* Selection criteria: Women included are those who gave birth for the first time and met all of the following criteria for selected women, defined as:

- 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 did not meet the selection criteria.

Computation: $100 \times (\text{Numerator} \div \text{Denominator})$

Numerator: Number of selected women giving birth for the first time who had a vaginal birth with the assistance of instruments.

Numerator data elements:

Data Element / Data Set

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

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

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Birth event—birth method, code N](#)

Data Source

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

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

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

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

Data Source

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Female—parity, total N\[N\]](#)

Data Source

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

Guide for use

Data source type: Administrative by-product data

Denominator:

All selected women.

Denominator data elements:

Data Element / Data Set

[Female \(pregnant\)—estimated gestational age, total weeks NN](#)

Data Source

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

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

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

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

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

Data Source

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Female—parity, total N\[N\]](#)

Data Source

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

Guide for use

Data source type: Administrative by-product data

Disaggregation:

- Year of birth
- State or territory of birth
- Hospital annual number of births
- Remoteness category (from mother's area of usual residence)
- Indigenous status of mother
- Hospital sector
- Patient elected accommodation status

Disaggregation data

Data Element / Data Set

elements:

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

[Establishment—organisation identifier \(Australian\), NNX\[X\]NNNNN](#)

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

[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

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Episode of admitted patient care—patient election status, code N](#)

Data Source

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—area of usual residence, geographical location code \(ASGC 2010\) NNNNN](#)

Data Source

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

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 included in the denominator.

A birth is defined as the event in which a baby comes out of the uterus after a pregnancy of least 20 weeks gestational age or weighing 400 grams or more.

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.

An instrumental birth is a procedure that uses instruments (forceps or vacuum extraction) to assist the baby to come out through the vagina.

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

Source of definition: Australian Council of 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.

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

Relational attributes

Related metadata references:	Has been superseded by National Core Maternity Indicators: PI 08—Instrumental vaginal birth for selected women giving birth for the first time (2016) <ul style="list-style-type: none">• Health, Superseded 06/09/2018
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