National Core Maternity Indicators: PI 02–Antenatal care visits in the first trimester for all females giving birth, 2023

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National Core Maternity Indicators: PI 02–Antenatal care visits in the first trimester for all females giving birth, 2023

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Common name:	Antenatal care visits in the first trimester
Short name:	PI 02–Antenatal care visits in the first trimester for all females giving birth, 2023
METEOR identifier:	772605
Registration status:	Health, Standard 14/07/2023
Description:	Among all females who gave birth, the proportion who (a) had their first antenatal visit in the first trimester (before 14 weeks gestation), and (b) had their first antenatal care visit before 10 weeks gestation.
Rationale:	This indicator is used to assess the accessibility of antenatal services.
Indicator set:	National Core Maternity Indicators, 2023 Health, Standard 14/07/2023

Collection and usage attributes

Computation description:	(a) The number of females who gave birth and who had their first antenatal care visit (before 14 weeks gestation), divided by the total number of females who gave birth with a stated first antenatal care visit, and multiplied by 100. (b) The number of females who gave birth and who had their first antenatal care visit before 10 weeks gestation, divided by the total number of females who gave birth with a stated first antenatal care visit, and multiplied by 100. 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. Gestational age is a clinical measure of the duration of the pregnancy. Gestational age at the time of the first antenatal care visit is assessed from the best estimate of gestational age available. An antenatal care visit is an intentional encounter between a pregnant female and a midwife or doctor prior to labour to assess and improve maternal and fetal wellbeing throughout pregnancy and prior to labour. All females who gave birth are included for the calculation of this indicator.
Computation:	100 × (Numerator ÷ Denominator)
Numerator:	(a) The number of females who gave birth and who had their first antenatal care visit before 14 weeks gestation. (b) The number of females who gave birth and who had their first antenatal care visit before 10 weeks gestation.

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 2021–22

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Pregnancy—estimated duration of pregnancy at the first antenatal care visit, total completed weeks N[N]

Data Source

Perinatal National Minimum Data Set (NMDS)

NMDS / DSS

Perinatal NMDS 2021–22

Guide for use

Data source type: Administrative by-product data

Denominator:

The total number of females who gave birth with a stated first antenatal care visit.

Denominator data elements:

Data Element / Data Set

Birth event—birth method, code N

Data Source

Perinatal National Minimum Data Set (NMDS)

NMDS / DSS

Perinatal NMDS 2021–22

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Pregnancy—estimated duration of pregnancy at the first antenatal care visit, total completed weeks N[N]

Data Source

Perinatal National Minimum Data Set (NMDS)

NMDS / DSS

Perinatal NMDS 2021–22

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
- Socioeconomic area (Index of Relative Socio-economic disadvantage from mother's area of usual residence)
- 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

Person—date of birth, DDMMYYYY

Data Source

Perinatal National Minimum Data Set (NMDS)

NMDS / DSS

Perinatal NMDS 2021–22

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 2021–22

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 2021–22

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 2021–22

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.

Data for gestational age at first antenatal care visit for the National Perinatal Data Collection (NPDC) have been collected since 2007, but were not provided for births in all states and territories, nor were data collection practices uniform. Data were provided by New South Wales, South Australia and the Northern Territory from 2007. The Australian Capital Territory also provided data but has not agreed these are of a suitable quality for publication. Queensland provided data for births from July 2009. Many hospitals in South Australia did not provide data in 2007, though over time the number of hospitals contributing data has increased. The indicator therefore uses only records with a permissible value for the denominator. Standardised collection of data for gestational age at first antenatal care visit using the national standard data element Pregnancy—estimated duration (at the first visit for antenatal care), completed weeks N[N] commenced for births from July 2010. In addition, there was a documented change in collection practice in New South Wales in 2011, from 'Duration of pregnancy at first antenatal visit' to 'Duration of pregnancy at first comprehensive booking or assessment by clinician' (HealthStat NSW 2021). As a result, this indicator will be published from 2011 onwards, where all states and territories provided data for this indicator.

This indicator has been developed for use by the Council of Australian Governments (CoAG) for monitoring the National Indigenous Reform Agreement (NIRA).

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: N[NN.N]

Data source attributes

Data sources:

Data Source

Perinatal National Minimum Data Set (NMDS)

Frequency

Annual

Data custodian

Australian Institute of Health and Welfare

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

Reporting requirements: No formal reporting requirements

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: HealthStats NSW 2021. Antenatal care by gestational age. Viewed 08 April 2022, www.healthstats.nsw.gov.au.

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 02–Antenatal care visits in the first trimester for all females giving birth, 2022
Health, Superseded 14/07/2023

Has been superseded by National Core Maternity Indicators: PI 02–Antenatal care visits in the first trimester for all females giving birth, 2024
Health, Recorded 21/02/2024