

National Core Maternity Indicators: PI 01–Tobacco smoking in pregnancy for all females giving birth, 2021

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National Core Maternity Indicators: PI 01–Tobacco smoking in pregnancy for all females giving birth, 2021

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Common name:	Tobacco smoking in pregnancy
Short name:	PI 01–Tobacco smoking in pregnancy for all females giving birth, 2021
METEOR identifier:	742381
Registration status:	Health! , Standard 17/12/2021
Description:	Among all females who gave birth, the proportion who (a) reported smoking tobacco in the first 20 weeks of pregnancy, and (b) reported smoking tobacco both in the first 20 weeks and after the first 20 weeks of pregnancy among females who reported smoking in the first 20 weeks of pregnancy.
Rationale:	This outcome indicator is used to monitor public health.
Indicator set:	National Core Maternity Indicators, 2021 Health! , Standard 17/12/2021

Collection and usage attributes

Computation description:	<p>(a) The number of females who gave birth and reported smoking in the first 20 weeks of pregnancy, divided by the total number of females who gave birth with a known smoking status in the first 20 weeks of pregnancy, and multiplied by 100.</p> <p>(b) The number of females who gave birth and reported smoking after the first 20 weeks of pregnancy, divided by the total number of females who gave birth and reported smoking in the first 20 weeks of pregnancy, 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>Smoking refers to the use of cigarettes or inhaled tobacco.</p>
Computation:	$100 \times (\text{Numerator} \div \text{Denominator})$
Numerator:	<p>(a) The number of females who gave birth and reported smoking tobacco in the first 20 weeks of pregnancy.</p> <p>(b) The number of females who gave birth and reported smoking tobacco after the first 20 weeks of pregnancy.</p>

Numerator data elements:

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

Data Element / Data Set

[Female—tobacco smoking after 20 weeks of pregnancy indicator, yes/no/not stated/inadequately described 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—tobacco smoking in the first 20 weeks of pregnancy indicator, yes/no/not stated/inadequately described 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

Denominator:

- (a) The total number of females who gave birth with a stated smoking status in the first 20 weeks of pregnancy.
- (b) The total number of females who gave birth and reported smoking in the first 20 weeks of pregnancy.

Denominator data elements:

Data Element / Data Set

[Female—tobacco smoking in the first 20 weeks of pregnancy indicator, yes/no/not stated/inadequately described 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

Disaggregation:

- Year of birth
- State or territory of birth
- Mother's age at birth
- Hospital annual number of births
- Hospital sector
- Indigenous status of mother
- Remoteness category (from mother's area of usual residence)
- Disadvantage quintile (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

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 \(NPDC\)](#)

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.

Standardised data collection for smoking in pregnancy commenced for births from July 2010. This will enable reporting against parts (a) among all females who gave birth the proportion who reported smoking tobacco in the first 20 weeks of pregnancy, and (b) among all females who gave birth and reported smoking in the first 20 weeks of pregnancy, the proportion who reported smoking after 20 weeks of pregnancy.

National Perinatal Data Collection (NPDC) data on smoking status and/or smoking quantity (number of cigarettes smoked) have been collected from New South Wales, Queensland, South Australia, and the Australian Capital Territory since 2001, and progressively from all other jurisdictions.

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

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Reference documents: 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 01–Tobacco smoking in pregnancy for all females giving birth, 2020](#) Health!, Superseded 17/12/2021

