Australian Health Performance Framework: PI 2.1.3c– Cancer screening rates, National Cervical Screening Program participation rate, 2020

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Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	AHPF PI 2.1.3c–National Cervical Screening Program participation rate, 2020
Synonymous names:	NCSP participation rate
METEOR identifier:	728331
Registration status:	Health, Superseded 07/09/2023
Description:	Rates of cervical screening for women in the national target age group during the **defined 5 year period.**
Rationale:	In Australia, primary prevention of cervical cancer is through vaccination against human papillomavirus (HPV), which is the primary underlying cause of cervical cancer. Secondary prevention is by cervical screening, though the National Cervical Screening Program (NCSP), to detect and treat abnormalities while they are in the precancerous stage, prior to any possible progression to cervical cancer. Prior to 1 December 2017, detection of precancerous abnormalities through cervical screening used cytology from the Papanicolaou smear, or 'Pap test', as the screening test. Participation is a major indicator of the performance of the NCSP. High participation in screening is required for the NCSP to achieve its aim of reducing cervical cancer incidence, morbidity and mortality, by detecting and treating cervical abnormalities that could otherwise develop into cervical cancer. Participation is measured over a 5-year period in line with the current recommended screening interval.
Indicator set:	Australian Health Performance Framework, 2020 Health, Superseded 11/07/2023

Collection and usage attributes

Population group age from:	25 years
Population group age to:	74 years
Computation description:	The denominator is adjusted to exclude the estimated number of women who have had a hysterectomy, using national hysterectomy fractions. Age-standardised rates are directly age-standardised to the 2001 Australian population. Analysis by Primary Health Network (PHN), remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-Economic Disadvantage (IRSD) is based on postcode of residential address at the time of screening. Presented as a percentage.
Computation:	100 × (Numerator ÷ Denominator)
Numerator:	Number of women aged 25–74 who have been screened in a 5-year period.
Numerator data elements:	**Data Element / Data Set** **Data Element** A1 Woman—client identifier, identifier X[X(19)]

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Count is of individual women, not tests.

Data Element / Data Set

Data Element

A7 Woman—date of birth, date DDMMYYYY

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers

Data Element / Data Set

Data Element

C2 Cytology test—date of cytology test, date DDMMYYYY

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
If multiple tests within a defined 5 year period, the first screening test is counted.

Data Element / Data Set

Data Element

C3 Cytology test—cytology specimen site, code AN

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Only includes B0 or B1.

Data Element / Data Set

Data Element

C6 Cytology test—endocervical (glandular) cytology cell analysis, code AX

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Excludes vault smears (E-).

Data Element / Data Set

Data Element

T1—Type of test, code A

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Only includes cytology tests (T1=C).

Denominator:

Population of women aged 25–74 in each state and territory, geographic region, socio-economic status and Australia, using Australian Bureau of Statistics (ABS) estimated resident population (ERP) for females at 30 June, averaged over the relevant 5 years by age group and adjusted for the estimated proportion of women who have had a hysterectomy

Denominator data elements:

Data Element / Data Set

Data Element

Proportion of women within the target population who have had a hysterectomy

Data Source

National Hospital Morbidity Database (NHMD)

Guide for use

Data source type: Administrative by-product
National hysterectomy fractions derived from the AIHW National Hospital Morbidity Database are used to adjust the population to exclude the estimated number of women who have had a hysterectomy. See Chapter E (Statistical methods) in *Cervical Screening in Australia, 2019* (AIHW 2019).

Data Element / Data Set

Person—estimated resident population of Australia, total people N[N(7)]

Data Source

ABS Estimated resident population (2011 Census-based)

Guide for use

Data source type: Census based and administrative by-product data

Disaggregation:

2018, 2018-19—Nationally

Disaggregation data elements:

Data Element / Data Set

Data Element

A7 Woman—date of birth, date DDMMYYYY

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Used for disaggregation by age group

Data Element / Data Set

Data Element

A14 Woman—Residential Australian state/territory name, code {AA[A]}

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Used for disaggregation by state and territory.

Data Element / Data Set

Data Element

A15 Woman—residential Australian postcode, {NNNN}

Data Source

National Cervical Screening Program

Guide for use

Data source type: State and territory cervical screening registers
Used for disaggregation by PHN, remoteness and SEIFA IRSD.

Comments: Most recent data available for 2020 Australian Health Performance Framework reporting is preliminary data for the periods 2018 and 2018-19. Data will be reported in 5 year intervals in the future.

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: NN.N

Indicator conceptual framework

Framework and dimensions: 1. Effectiveness

Data source attributes

Data sources:

Data Source

National Hospital Morbidity Database (NHMD)

Frequency

Annual

Data custodian

Australian Institute of Health and Welfare

Data Source

National Cervical Screening Program

Frequency

Annual

Data custodian

Department of Health and Ageing

Data Source

ABS Estimated resident population (2011 Census-based)

Frequency

Quarterly

Data custodian

Australian Bureau of Statistics

Accountability attributes

Reporting requirements: Australian Health Performance Framework

Organisation responsible for providing data: Australian Institute of Health and Welfare

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Reference documents: AIHW (Australian Institute of Health and Welfare) 2014. National cervical cancer prevention data dictionary version 1: working paper. Cancer series no. 88. Cat. no. CAN 85. Canberra: AIHW. Viewed 11 October 2019, https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true.

AIHW 2019. Cervical screening in Australia 2019. Cancer series no. 123. Cat. no. CAN 124. Canberra: AIHW. Viewed 19 November 2019, https://www.aihw.gov.au/reports/cancer-screening/cervical-screening-in-australia-2019/contents/table-of-contents.

Relational attributes

Related metadata references:

Supersedes Australian Health Performance Framework: PI 2.1.3c–Cancer screening rates, National Cervical Screening Program participation rate, 2019
Health, Superseded 13/10/2021

Has been superseded by Australian Health Performance Framework: PI 2.1.3c–Cancer screening rates, National Cervical Screening Program participation rate, 2021
Health, Standard 07/09/2023