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

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# 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| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 07/09/2023 |
| Description: | Rates of cervical screening for women in the national target age group during the [**defined 5 year period.**](https://meteor.aihw.gov.au/content/748058) |
| 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2020](https://meteor.aihw.gov.au/content/728283)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 11/07/2023 |

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| 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)]](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **Guide for use**    Data source type: State and territory cervical screening registers If multiple tests within a [defined 5 year period](https://meteor.aihw.gov.au/content/569124), the first screening test is counted.    **Data Element / Data Set**  **Data Element**    [C3 Cytology test—cytology specimen site, code AN](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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)](https://meteor.aihw.gov.au/content/394352)  **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*](https://www.aihw.gov.au/reports/cancer-screening/cervical-screening-in-australia-2019/contents/table-of-contents) (AIHW 2019).    **Data Element / Data Set**  [Person—estimated resident population of Australia, total people N[N(7)]](https://meteor.aihw.gov.au/content/388656)  **Data Source**  [ABS Estimated resident population (2011 Census-based)](https://meteor.aihw.gov.au/content/585823)  **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](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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]}](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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}](https://www.aihw.gov.au/getmedia/b381ba0a-86f6-4603-baa8-66c0f3e4db22/18262.pdf.aspx?inline=true)    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **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](https://meteor.aihw.gov.au/content/721641) |
| Data source attributes | |
| Data sources: | **Data Source**  [National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)  **Frequency**  Annual  **Data custodian**    Australian Institute of Health and Welfare    **Data Source**  [National Cervical Screening Program](https://meteor.aihw.gov.au/content/394276)  **Frequency**  Annual  **Data custodian**    Department of Health and Ageing    **Data Source**  [ABS Estimated resident population (2011 Census-based)](https://meteor.aihw.gov.au/content/585823)  **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.](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.](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](https://meteor.aihw.gov.au/content/723528)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), 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](https://meteor.aihw.gov.au/content/772770)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 07/09/2023 |