Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020

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# Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020

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| Identifying and definitional attributes | |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Common name: | AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020 |
| Short name: | AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020 |
| METEOR identifier: | 728323 |
| Registration status: | [Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Standard 01/12/2020 |
| Description: | The proportion of 1-, 2- and 5-year-olds who have been assessed as fully immunised according to information recorded in the Australian Immunisation Register. |
| Rationale: | Immunisation is highly effective in reducing morbidity and mortality caused by vaccine-preventable diseases such as measles, meningococcal disease and poliomyelitis. Vaccinations are an effective strategy for reducing disease disparities between population groups. |
| Indicator set: | [Australian Health Performance Framework, 2020](https://meteor-uat.aihw.gov.au/content/728283)  [Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Standard 13/10/2021 |

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| Collection and usage attributes | |
| Computation description: | The proportion of 1-, 2- and 5-year-olds who are fully immunised according to the National Immunisation Program Schedule. |
| Computation: | 100 × (Numerator ÷ Denominator)  Calculated separately for 1-, 2- and 5-year-old children. |
| Numerator: | 1-, 2-, and 5-year old children who are fully vaccinated according to the National Immunisation Program Schedule.  Fully vaccinated 1 year olds who, prior to the age of 12 months were vaccinated against:   * diphtheria * tetanus * pertussis (whooping cough) * poliomyelitis * hepatitis B * *Haemophilus influenzae* type b * pneumococcal disease.   Fully vaccinated 2 year olds who, prior to the age of 24 months, were vaccinated against:   * diphtheria * tetanus * pertussis (whooping cough) * poliomyelitis * hepatitis B * *Haemophilus influenzae* type b * pneumococcal disease * meningococcal C, measles, mumps, rubella and varicella (chickenpox).   Fully vaccinated 5 year olds who, prior to the age of 60 months, were vaccinated against:   * diphtheria * tetanus * pertussis (whooping cough) * poliomyelitis. |
| Numerator data elements: | **Data Element / Data Set**  Number of 1-, 2- and 5- year old children fully vaccinated according to the National Immunisation Program schedule.  **Data Source**  [Australian Immunisation Register (AIR)](https://meteor-uat.aihw.gov.au/content/724949)  **Guide for use**  Data source type: Register |
| Denominator: | Number of 1-, 2- and 5- year old children registered on the Australian Immunisation Register. |
| Denominator data elements: | **Data Element / Data Set**  Number of children who turned 1, 2 or 5 years between 1 April and 31 March the following year registered with Medicare on the National Immunisation Register  **Data Source**  [Australian Immunisation Register (AIR)](https://meteor-uat.aihw.gov.au/content/724949)  **Guide for use**  Data source type: Register |
| Disaggregation: | 2012–13 to 2018–19—Nationally, by Indigenous status.  2012–13 to 2018–19—State and territory, by Indigenous status.  2012–13 to 2018–19—Primary Health Network (PHN), by Indigenous status.  Some disaggregation may result in numbers too small for publication. |
| Disaggregation data elements: | **Data Element / Data Set**  Indigenous children who turned 1, 2 or 5 years between 1 April and 31 March registered with Medicare on the National Immunisation Register  **Data Source**  [Australian Immunisation Register (AIR)](https://meteor-uat.aihw.gov.au/content/724949)  **Guide for use**  Data source type: Register    **Data Element / Data Set**  [Address details cluster](https://meteor-uat.aihw.gov.au/content/619372)  **Data Source**  [Australian Immunisation Register (AIR)](https://meteor-uat.aihw.gov.au/content/724949)  **Guide for use**  Data source type: Register Used for disaggregation by state/territory and PHN |
| Comments: | Most recent data available for 2020 Australian Health Performance Framework reporting: 2018–19 (reporting period 1 April to 31 March). |
| Representational attributes | |
| Representation class: | Percentage |
| Data type: | Real |
| Unit of measure: | Person |
| Format: | N[N].N |
| Indicator conceptual framework | |
| Framework and dimensions: | [1. Effectiveness](https://meteor-uat.aihw.gov.au/content/721641) |
| Data source attributes | |
| Data sources: | **Data Source**  [Australian Immunisation Register (AIR)](https://meteor-uat.aihw.gov.au/content/724949)  **Data custodian**  Australian Government Department of Health |
| Accountability attributes | |
| Methodology: | A full description of the methodology used can be found in *Methodology for measuring Australia's childhood immunisation coverage* (O'Brien et al. 1998).  For each age it is assumed that earlier vaccinations in the series have been given.  A change in the definition of fully immunised for 2 year olds occurred from the quarter ending 31 December 2014 when meningococcal C vaccination (given at 12 months), dose 2 measles, mumps, rubella (MMR), and dose 1 varicella vaccination were included in the definition of 'fully immunised'. A second change for this age group occurred from the quarter ending 31 March 2017 when dose 4 diphtheria, tetanus, pertussis (DTP) was included in the definition of ‘fully immunised’. The inclusion of these additional vaccines caused decreases in the reported immunisation coverage rates at 2 years of age. |
| Reporting requirements: | Australian Health Performance Framework |
| Organisation responsible for providing data: | Department of Human Services |
| Release date: | 29/07/2019 |
| Source and reference attributes | |
| Submitting organisation: | Australian Institute of Health and Welfare |
| Reference documents: | O'Brien E D, Sam, G A and Mead C 1998. Methodology for measuring Australia's childhood immunisation coverage. Communicable Diseases Intelligence 22(3):36–37. Viewed 30 October 2019, <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdi2203-1>. |
| Relational attributes | |
| Related metadata references: | Supersedes [Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2019](https://meteor-uat.aihw.gov.au/content/715012)  [Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Standard 17/04/2020  See also [Immunisation rates for children, 2014–15](https://meteor-uat.aihw.gov.au/content/630476)  [National Health Performance Authority (retired)](https://meteor-uat.aihw.gov.au/RegistrationAuthority/10), Retired 01/07/2016  See also [National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012](https://meteor-uat.aihw.gov.au/content/436839)  [Health!](https://meteor-uat.aihw.gov.au/RegistrationAuthority/14), Retired 25/06/2013 |