

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

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Registration status:	Health , Superseded 07/09/2023
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Indicator set:	Australian Health Performance Framework, 2020 Health , Superseded 11/07/2023

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:	$100 \times (\text{Numerator} \div \text{Denominator})$ 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

Data Element

Number of 1-, 2- and 5- year old children fully vaccinated according to the National Immunisation Program schedule.

Data Source

[Australian Immunisation Register \(AIR\)](#)

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

Data Element

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 \(AIR\)](#)

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

Data Element

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 \(AIR\)](#)

Guide for use

Data source type: Register

Data Element / Data Set

[Address details cluster](#)

Data Source

[Australian Immunisation Register \(AIR\)](#)

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](#)

Data source attributes

Data sources:

Data Source

[Australian Immunisation Register \(AIR\)](#)

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](#)
Health, Superseded 01/12/2020

Has been superseded by [Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2021](#)
Health, Standard 07/09/2023

See also [Immunisation rates for children, 2014–15](#)
National Health Performance Authority (retired), Retired 01/07/2016

See also [National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012](#)
Health, Retired 25/06/2013