

# Australian Health Performance Framework: PI 2.1.1— Immunisation rates for vaccines in the national schedule, 2019

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# Australian Health Performance Framework: PI 2.1.1– Immunisation rates for vaccines in the national schedule, 2019

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Common name:</b>	AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2019
<b>Short name:</b>	AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2019
<b>METEOR identifier:</b>	715012
<b>Registration status:</b>	<a href="#">Health!</a> , Standard 17/04/2020
<b>Description:</b>	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.
<b>Rationale:</b>	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.
<b>Indicator set:</b>	<a href="#">Australian Health Performance Framework, 2019</a> <a href="#">Health!</a> , Standard 09/04/2020

## Collection and usage attributes

<b>Computation description:</b>	The proportion of 1-, 2- and 5-year-olds who are fully immunised according to the National Immunisation Program Schedule.
<b>Computation:</b>	$100 \times (\text{Numerator} \div \text{Denominator})$ 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 are children aged 12-15 months who, prior to the age of 12 months were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- hepatitis B
- *Haemophilus influenzae* type b
- (from the quarter ended 31 December 2013) pneumococcal disease.

Fully vaccinated 2 year olds are children aged 24-27 months who were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- hepatitis B
- *Haemophilus influenzae* type b
- measles, mumps and rubella
- (from the quarter ending 31 December 2014) meningococcal C, measles, mumps, rubella and varicella (chickenpox).

Fully vaccinated 5 year olds are children aged 60-63 months who were vaccinated against:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- (until the quarter ending 30 September 2017) measles, mumps and rubella.

**Numerator data elements:****Data Element / Data Set**

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

**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**

Number of 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

- 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 \(AIR\)](#)

**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 2019 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:** Has been superseded by [Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020](#) Health!, Standard 01/12/2020
- 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