

# **Australian Health Performance Framework: PI 2.1.1— Immunisation rates for vaccines in the national schedule, 2021**

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# Australian Health Performance Framework: PI 2.1.1– Immunisation rates for vaccines in the national schedule, 2021

## 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, 2021
<b>Short name:</b>	AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2021
<b>METEOR identifier:</b>	777773
<b>Registration status:</b>	<a href="#">Health</a> , Standard 07/09/2023
<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, 2021</a> <a href="#">Health</a> , Standard 11/07/2023

## 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 who, prior to the age of 12 months had received all scheduled doses of vaccines for:

- 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 had received all scheduled doses of vaccines for:

- diphtheria
- tetanus
- pertussis (whooping cough)
- poliomyelitis
- hepatitis B
- *Haemophilus influenzae* type b
- pneumococcal disease
- meningococcal C
- measles
- mumps
- rubella
- varicella (chickenpox).

Fully vaccinated 5 year olds who, prior to the age of 60 months had received all scheduled doses of vaccines for:

- 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 \(AIR\)](#)

**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 \(AIR\)](#)

**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 2021 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

<b>Methodology:</b>	<p>A full description of the methodology used can be found in <i>Methodology for measuring Australia's childhood immunisation coverage</i> (O'Brien et al. 1998).</p> <p>For each age it is assumed that earlier vaccinations in the series have been given.</p> <p>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.</p>
<b>Reporting requirements:</b>	Australian Health Performance Framework
<b>Organisation responsible for providing data:</b>	Department of Human Services
<b>Accountability:</b>	Australian Institute of Health and Welfare

## Source and reference attributes

<b>Submitting organisation:</b>	Australian Institute of Health and Welfare
<b>Reference documents:</b>	<p>O'Brien E D, Sam, G A and Mead C 1998. Methodology for measuring Australia's childhood immunisation coverage. <i>Communicable Diseases Intelligence</i> 22(3):36–37. Viewed 30 October 2019, <a href="https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdi2203-1">https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdi2203-1</a>.</p>

## Relational attributes

<b>Related metadata references:</b>	<p>Supersedes <a href="#">Australian Health Performance Framework: PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2020</a> Health, Superseded 07/09/2023</p> <p>See also <a href="#">Immunisation rates for children, 2014–15</a> <a href="#">National Health Performance Authority (retired)</a>, Retired 01/07/2016</p> <p>See also <a href="#">National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012</a> Health, Retired 25/06/2013</p>
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