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

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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, 2019
Short name:	AHPF PI 2.1.1–Immunisation rates for vaccines in the national schedule, 2019
METEOR identifier:	715012
Registration status:	Health, Superseded 01/12/2020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Indicator set:	Australian Health Performance Framework, 2019 Health, Superseded 13/10/2021 Australian Health Performance Framework, 2019 Health, Superseded 13/10/2021

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 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** ─────────────────────────────

Data Element

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

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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 registered with Medicare on the National Immunisation Register

Data Source

Australian Immunisation Register (AIR)

Guide for use

Data source type: Register

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| **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 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
Accountability:	Australian Institute of Health and Welfare
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, Superseded 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