

National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule, 2010

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National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule, 2010

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Output measure
Short name:	Immunisation rates for vaccines in the national schedule, 2010
METEOR identifier:	394250
Registration status:	Health , Superseded 08/06/2011
Description:	Proportion of children fully vaccinated and proportion of older adults vaccinated against specific infections.
Indicator set:	National Healthcare Agreement (2010) Health , Superseded 08/06/2011
Outcome area:	Prevention Health , Standard 07/07/2010
Data quality statement:	National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule (Australian Childhood Immunisation Register), 2010 QS Health , Superseded 08/06/2011

Collection and usage attributes

Population group age from:	Children: Persons aged 5 years Adults: Indigenous Australians aged 50 years or over; non-Indigenous Australians aged 65 years or over
Computation description:	Reported by each disease vaccinated against. <u>Fully vaccinated 5 year old children:</u> Children aged 60–63 months vaccinated against Hepatitis B, Diphtheria, tetanus and pertussis, <i>Haemophilus influenzae type B</i> , Polio, Pneumococcal disease, rotavirus, measles, mumps, rubella, meningococcal C, and varicella. For Indigenous children, 'fully vaccinated' is defined as all vaccinated against all the conditions listed above, plus Hepatitis A.
Computation:	$100 \times (\text{Numerator} \div \text{Denominator})$ Calculated separately for children, Indigenous Australians aged 50 years or over, and non-Indigenous Australians aged 65 years or over.
Numerator:	<u>Children:</u> Number of children aged 5 years who have been fully vaccinated according to the National Immunisation Program Schedule <u>Adults:</u> Number of Indigenous Australians aged 50 years or over, and non-Indigenous Australians aged 65 years or over, who have been vaccinated for influenza and pneumococcal disease

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

Number of Indigenous Australians aged 50 years or over, and non-Indigenous Australians aged 65 years or over, who have been vaccinated for influenza and pneumococcal disease

Data Source

[ABS 2004-05 National Aboriginal and Torres Strait Islander Health Survey \(NATSIHS\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set**Data Element**

Number of children aged 5 years who have been fully vaccinated according to the National Immunisation Program Schedule

Data Source

[Australian Childhood Immunisation Register \(ACIR\)](#)

Guide for use

Data source type: Register

Data Element / Data Set**Data Element**

Number of Indigenous Australians aged 50 years or over, and non-Indigenous Australians aged 65 years or over, who have been vaccinated for influenza and pneumococcal disease

Data Source

[Adult Vaccination Survey 2006](#)

Guide for use

Data source type: Survey

Denominator:

Children: Number of children aged 60-63 months on the Australian Childhood Immunisation Register

Adults: Population of Indigenous Australians aged 50 years or over, and non-Indigenous Australians aged 65 years or over

**Denominator data
elements:**

Data Element / Data Set

Data Element

Person—age

Data Source

[ABS 2004-05 National Aboriginal and Torres Strait Islander Health Survey \(NATSIHS\)](#)

Guide for use

Data source type: Survey

Data Element / Data Set

Data Element

Person—age

Data Source

[Australian Childhood Immunisation Register \(ACIR\)](#)

Guide for use

Data source type: Register

Data Element / Data Set

Data Element

Person—age

Data Source

[Adult Vaccination Survey 2006](#)

Guide for use

Data source type: Survey

Disaggregation data elements:

Data Element / Data Set

Data Element

Person—area of usual residence

Data Source

[ABS 2004-05 National Aboriginal and Torres Strait Islander Health Survey \(NATSIHS\)](#)

Guide for use

Data source type: Survey
Used for disaggregation by state/territory, remoteness area and SEIFA of residence

Data Element / Data Set

Data Element

Person—area of usual residence

Data Source

[Australian Childhood Immunisation Register \(ACIR\)](#)

Guide for use

Data source type: Register
Used for disaggregation by state/territory, remoteness area and SEIFA of residence

Data Element / Data Set

Data Element

Person—Indigenous status

Data Source

[Australian Childhood Immunisation Register \(ACIR\)](#)

Guide for use

Data source type: Register

Data Element / Data Set

Data Element

Person—area of usual residence

Data Source

[Adult Vaccination Survey 2006](#)

Guide for use

Data source type: Survey
Used for disaggregation by state/territory, remoteness area and SEIFA of residence

Comments: Specified disaggregation: State/territory: by Indigenous status, remoteness area and SEIFA of residence

Available disaggregation: State/territory: by Indigenous status, remoteness area and SEIFA of residence

Data for 2008-09 availability: For children, vaccination status as at June 2009 available September 2009.

Most recent data available for 2010 CRC baseline report:

Children: vaccination status as at June 2009

Adults: 2006

Representational attributes

Representation class: Percentage

Data type: Real

Unit of measure: Person

Format: N[N].N

Indicator conceptual framework

Framework and dimensions: [Accessibility](#)

[Health behaviours](#)

[Effectiveness](#)

Data source attributes

Data sources:**Data Source**

[ABS 2004-05 National Aboriginal and Torres Strait Islander Health Survey \(NATSIHS\)](#)

Frequency

Every 6 years

Data custodian

Australian Bureau of Statistics

Data Source

[Australian Childhood Immunisation Register \(ACIR\)](#)

Frequency

Quarterly (register 'snapshot')

Data custodian

Department of Health and Ageing

Data Source

[Adult Vaccination Survey 2006](#)

Frequency

Irregular

Data custodian

Department of Health and Ageing

Accountability attributes

Reporting requirements: National Healthcare Agreement

Organisation responsible for providing data: Australian Institute of Health and Welfare, Department of Health and Ageing

Benchmark: [NPA on Essential Vaccines:](#)

- Maintain and/or improve immunisation rates of 90% for children aged five years under the National Immunisation Program Schedule.
- Percentage of Indigenous children immunised compared to non-Indigenous children under the National Immunisation Program Schedule compared to previous year.
- Maintain or increase percentage of Australians aged 65 years and over who receive current year vaccine for influenza and initial/booster vaccine against pneumococcal disease compared to previous year.
- Progress towards increased coverage of eligible Indigenous Australians immunised against influenza and invasive pneumococcal diseases under the National Influenza and Pneumococcal Indigenous Initiative.

Further data development / collection required: Specification: Long-term
The quality of Indigenous identification in the Australian Childhood Immunisation Register needs to be assessed.

Other issues caveats:

Disaggregation by Indigenous status, remoteness and SEIFA within individual states/territories is subject to data quality considerations.

The data quality statement should note that the sources for adult vaccinations may warrant further development to provide better estimates.

Possible gaps in coverage due to unknown vaccination status of children less than 5 years migrating to Australia. It is possible this could be accounted for using Medicare data.

Can be modified to add vaccines targeted at teenagers/young adults, e.g. HPV (cervical cancer), Hepatitis B.

Current reporting from the Australian Childhood Immunisation Register of children who are 'fully vaccinated' is based on a subset of seven of the conditions specified for this indicator.

Source and reference attributes

Steward:

[Australian Institute of Health and Welfare](#)

Relational attributes

Related metadata references:

Has been superseded by [National Healthcare Agreement: P109-Immunisation rates for vaccines in the national schedule, 2011](#)

[Health](#), Superseded 30/10/2011

See also [National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule \(Adult Vaccination Survey\), 2010 QS](#)

[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule \(National Aboriginal and Torres Strait Islander Health Survey\), 2010 QS](#)

[Health](#), Retired 12/03/2015

See also [National Healthcare Agreement: P13-Proportion of children with 4th year developmental health check, 2010](#)

[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P19-Infant/young child mortality rate, 2010](#)

[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P20-Potentially avoidable deaths, 2010](#)

[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P22-Selected potentially preventable hospitalisations, 2010](#)

[Health](#), Superseded 08/06/2011