

The Australian Immunisation Register

National due and overdue rules for immunisation

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The Australian Immunisation Register

The Australian Immunisation Register (AIR) is a national register that records vaccinations given to people of all ages, including all National Immunisation Program (NIP) vaccines, vaccines given under state/territory school immunisation programs, travel vaccines and flu vaccines.

AIR data is used:

- to monitor vaccination coverage across Australia and the effectiveness of vaccines and vaccination programs
- to identify any parts of Australia at risk during disease outbreaks
- for immunisation policy and research
- to determine eligibility for some family assistance payments
- for entry to child care and school
- for proof of vaccination for employment or travel purposes.

The National Immunisation Program

The National Immunisation Program (NIP) provides free vaccines to eligible people to help reduce vaccine preventable diseases.

The NIP Schedule is a series of immunisations given at specific times throughout life. The immunisations range from birth through to adulthood. All vaccines listed in the NIP Schedule are free. The NIP Schedule shows which vaccines should be given when and is available on the Department of Health website.

The Australian Immunisation Handbook

The Australian Immunisation Handbook (the Handbook) includes clinical information on the safest and most effective use of vaccines, new vaccines and vaccine-preventable diseases, including minimum age requirements and the required interval between successive doses of an antigen.

Always use the Handbook as a guide to decision making about immunisations. It is available on the Department of Health and Aged Care website.

Determining an individual's immunisation status on the AIR

Immunisation status is determined at antigen level in a process that calculates the specific diseases each individual must be vaccinated against, as outlined in the NIP Schedule. The assessment determines if an individual is 'not due', 'due' or 'overdue' at a point in time according to their date of birth and immunisation information recorded on the AIR.

The AIR considers all components of vaccines against the same disease equivalent regardless of the vaccine brand. For example, diphtheria, tetanus, or pertussis components are in Infanrix and Tripacel.

A dose is not due or overdue when a higher dose has been given. For example, dose 1 is not due or overdue if dose 2 has been given.

Example:

A child is 3 months of age and the AIR has received information that dose 1 of Infanrix Hexa, Prevenar 13 and Rotarix in the 2 month age schedule have been given.

For the 2 month schedule, this child is assessed as 'not due' for immunisation as they have received all vaccines.

For the 4 month schedule, the child is 'due' for immunisation 2 months after the date of dose 1, and 'overdue' three months after the date of dose 1.

AIR National Due and Overdue Rules

Diphtheria

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
Dose 3	2 months after dose 2	3 months after dose 2	-
Dose 4 There must be an interval of at least 6 months between doses 3 and 4.	18 months of age	19 months of age	If dose 3 was given before 12 months of age
	6 months after dose 3	7 months after dose 3	If dose 3 was given at or after 12 months of age or before 10 years of age.
	Not due	Not overdue	If doses 1-3 were given and the individual is 10 years of age or older.
Dose 5 There must be an interval of at least 6 months between doses 4 and 5.	4 years of age	4 years and 1 month of age	If dose 4 was given before 3 years and 6 months of age.
	Not due	Not overdue	If dose 4 was given at or after 3 years and 6 months of age OR If doses 1-3 were given and the individual is 10 years of age or older.

Adolescent doses	14 years of age	14.5 years of age	If a dose has not been given at or after 10 years of age.
	1 month after adolescent dose	2 months after adolescent dose	If first/second adolescent dose is given and the individual has received less than 3 doses (total).
	Not due	Not overdue	If at least 3 doses (total) were given and one of those doses was given at or after 10 years of Age.

Haemophilus influenzae type b (Hib)

Hib pathway A

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If dose 1 was given at or after 15 months of age.
Dose 3	2 months after dose 2	3 months after dose 2	-
	Not due	Not overdue	If dose 1 was given at or after 12 months of age OR If dose 2 was given at or after 15 months of age.
Dose 4	18 months of age	19 months of age	-
	Not due	Not overdue	If dose 1 was given at or after 7 months of age OR If dose 2 or 3 was given at or after 15 months of age.

Hib pathway B

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If dose 1 was given at or after 15 months of age
Dose 3	18 months of age	19 months of age	-
	Not due	Not overdue	<p>If dose 1 was given at or after 12 months of age</p> <p>OR</p> <p>If dose 2 was given at or after 15 months of age.</p>

Hepatitis B

Dose	Due	Overdue	Condition
Birth dose (dose B)	Birth doses can only be given when the child is 0 to 7 days of age. Birth doses given between 8 days to 1 month of age will be recorded on the AIR as a dose 1 given early.		
Dose 1	2 months of age	3 months	-
Dose 2 There must be an interval of at least 4 months between dose B and dose 2 (if dose B has been given).	2 months after dose 1	3 months after dose 1	-
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	4 months after dose 1	5 months after dose 1	If dose 1 was given at or after 11 years of age.
Dose 3 There must be an interval of at least 4 months between dose 1 and dose 3 (if dose B has not been given).	6 months of age OR 2 months after dose 2 (whichever is later)	7 months of age OR 3 months after dose 2 (whichever is later)	-
	Not due	Not overdue	If dose B, 1 and 2 have been given OR If any dose was given after 11 years of age.

Human papillomavirus (HPV)

Dose	Due	Overdue	Condition
Dose 1	14 years of age	14.5 years of age	-
Dose 2	14 years of age	14.5 years of age	If dose 1 is given before 9 years of age.

Measles

Dose	Due	Overdue	Condition
Dose 1	12 months of age	13 months of age	-
Dose 2	18 months of age OR 1 month after dose 1 (whichever is later)	19 months of age OR 2 months after dose 1 (whichever is later)	If dose 1 was given after 11 months of age.
	12 months of age	13 months of age	If dose 1 was given before 11 months of age.
Dose 3	18 months of age OR 1 month after dose 2 (whichever is later)	19 months of age OR 2 months after dose 2 (whichever is later)	If dose 1 was given at or before 11 months of age.
	Not due	Not overdue	If dose 1 was given at or after 11 months of age.

Meningococcal B

The following rules apply to Aboriginal and Torres Strait Islander children:

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
	Not due	Not overdue	If the individual is 2 years of age or older.
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given on or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If the individual is 2 years of age or older.
Dose 3	12 months of age	13 months of age	If dose 2 was given on or before 10 months of age.
	2 months after dose 2	3 months after dose 2	If dose 2 was given after 10 months of age.
	Not due	Not overdue	If dose 1 was given on or after 12 months of age OR If the individual is 2 years of age or older.

Note: Aboriginal and Torres Strait Islander children who have certain risk conditions need an additional dose at 6 months of age. This will not show due on the AIR.

Meningococcal C/ACWY

Dose	Due	Overdue	Condition
Dose 1	12 months of age	13 months of age	-
Dose 2	12 months of age OR 2 months after dose 1 (whichever is later)	13 months of age OR 3 months after dose 1 (whichever is later)	If dose 1 was given before 11 months of age.
	Not due	Not overdue	If dose 1 was given at or after 11 months of age.
Dose 3	12 months of age OR 2 months after dose 2 (whichever is later)	13 months of age OR 3 months after dose 2 (whichever is later)	If dose 1 and 2 were given before 11 months of age.
	Not due	Not overdue	If dose 1 or 2 was given at or after 11 months of age.
Adolescent dose	16.5 years of age	17 years of age	If a dose of Meningococcal ACWY has not been given at or after 14 years of age.

Note: Childhood doses are not due or overdue if a dose of Meningococcal ACWY was given at or after 14 years of age.

Mumps

Dose	Due	Overdue	Condition
Dose 1	12 months of age	13 months of age	-
Dose 2	12 months of age	13 months of age	If dose 1 was given before 11 months of age.
	18 months of age OR 1 month after dose 1 (whichever is later)	19 months of age OR 2 months after dose 1 (whichever is later)	If dose 1 was given after 11 months of age.
	18 months of age OR 1 month after dose 2 (whichever is later)	19 months of age OR 2 months after dose 2 (whichever is later)	If dose 1 was given before 11 months of age.
Dose 3	Not due	Not overdue	If dose 1 was given at or after 11 months of age.

Pertussis

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If dose 1 was given at or after 10 years of age.
Dose 3	2 months after dose 2	3 months after does 2	-
	Not due	Not overdue	If any dose was given at or after 10 years of age.

Dose 4 There must be an interval of at least 6 months between doses 3 and 4.	18 months of age	19 months of age	If dose 3 was given before 12 months of age.
	6 months after dose 3	7 months after dose 3	If dose 3 was given at or after 12 months of age and before 10 years of age.
	Not due	Not overdue	If any dose was given at or after 10 years of age.
Dose 5 There must be an interval of at least 6 months between doses 4 and 5	4 years of age	4 years and 1 month of age	If dose 4 was given before 3 years and 6 months of age.
	Not due	Not overdue	If dose 4 was given at or after 3 years and 6 months of age OR If any dose was given after 10 years of age.
Adolescent dose	14 years of age	14.5 years of age	If a dose has not been given at or after 10 years of age.
	Not due	Not overdue	If any dose was given at or after 10 years of age.

Pneumococcal

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
	Not due	Not overdue	If the individual is 2 years of age or older.
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If dose 1 was given at or after 12 months of age OR If the individual is 2 years of age or older.
Dose 3	12 months of age OR 2 months after dose 2 (whichever is later)	13 months of age OR 3 months after dose 2 (whichever is later)	If dose 1 was given before 7 months of age and dose 2 was given before 12 months of age.
	Not due	Not overdue	If dose 1 was given at or after 7 months of age OR If dose 2 was given at or after 12 months of age OR If the individual is 2 years of age or older.
Adult dose 13vPCV	50 years	50 years and 1 month of age	Aboriginal and Torres Strait Islander peoples

12 months after most recent 23vPPV vaccine given after 49 year.s	13 months after most recent 23vPPV vaccine given after 49 years.	Aboriginal and Torres Strait Islander peoples
70 years	70 years and 1 month of age	Older Australians
12 months after most recent 23vPPV vaccine given after 69 years.	13 after most recent 23vPPV vaccine given after 69 years.	Older Australians
Not due	Not overdue	If a 13vPCV vaccine was given at or after 5 years of age.

Note: There are 2 types of pneumococcal vaccines:

- 13-valent pneumococcal conjugate vaccine (13vPCV)
- 23-valent pneumococcal polysaccharide vaccine (23vPPV).

Poliomyelitis

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
Dose 3	2 months after dose 2	3 months after dose 2	-
Dose 4	4 years of age	4 years and 1 month of age	If dose 3 was given before 3 years and 6 months of age.
	6 months after dose 3	7 months after dose 3	If dose 3 was given between 3 years and 6 months of age and 4 years of age.
	Not due	Not overdue	If dose 3 was given at or after 4 years of age OR If 3 doses have been given and the individual is 10 years of age or older.

Rotavirus

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
	Not due	Not overdue	If dose 1 has not been given by 14 weeks of age.
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
	Not due	Not overdue	If dose 1 was given after 20 weeks of age OR If the individual is 24 weeks of age or older.

Rubella

Dose	Due	Overdue	Condition
Dose 1	12 months of age	13 months of age	-
Dose 2	18 months of age OR 1 month after dose 1 (whichever is later).	19 months of age OR 2 months after dose 1 (whichever is later).	If dose 1 was given after 11 months of age.
	12 months of age	13 months of age	If dose 1 was given before 11 months of age.

Dose 3	18 months of age OR 1 month after dose 2 (whichever is later).	19 months of age OR 2 months after dose 2 (whichever is later).	If dose 1 was given before 11 months of age.
	Not due	Not overdue	If dose 1 was given at or after 11 months of age.

Tetanus

Dose	Due	Overdue	Condition
Dose 1	2 months of age	3 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 2 months of age.
	4 months of age	5 months of age	If dose 1 was given before 2 months of age.
Dose 3	2 months after dose 2	3 months after dose 2	-
Dose 4 There must be an interval of at least 6 months between doses 3 and 4.	18 months of age	19 months of age	If dose 3 was given before 12 months of age.
	6 months after dose 3	7 months after dose 3	If dose 3 was given at or after 12 months of age and before 10 years of age.
	Not due	Not overdue	If 3 doses have been given and the individual is 10 years of age or older.

Dose 5 There must be an interval of at least 6 months between doses 4 and 5.	4 years of age	4 years and 1 month of age	If dose 4 was given before 3 years and 6 months of age.
	Not due	Not overdue	If dose 4 was given at or after 3 years and 6 months of age OR If 3 doses have been given and the individual is 10 years of age or older.
Adolescent doses	14 years of age	14.5 years of age	If a dose has not been given at or after 10 years of age.
	1 month after adolescent dose	2 months after adolescent dose	If first/second adolescent dose is given and the individual has received less than 3 doses (total).
	Not due	Not overdue	If at least 3 doses (total) were given and one of those doses was given at or after 10 years of age.

Varicella

Dose	Due	Overdue	Condition
Dose 1	18 months of age	19 months of age	-
Dose 2	2 months after dose 1	3 months after dose 1	If dose 1 was given at or after 14 years of age.
	Not due	Not overdue	If dose 1 was given before 14 years of age.

Zoster – *Aboriginal and Torres Strait Islanders

Dose	Due	Overdue	Condition
Dose 1	50 years of age	50 years and 1 month of age	If a dose has not been given.
	50 years of age	50 years and 1 month of age	If a dose has been given before 45 years of age.
	50 years of age and due 5 years after the most recent dose	50 years and 1 month of age and 5 years and 1 month after the most recent dose	If a dose has been given between 45 and 50 years of age.
Dose 2	2 months after dose 1	3 months after dose 1	If dose 2 has not been given.

*Rules relate only to individuals who have identified as Aboriginal or Torres Strait Islander.

Zoster – *Non-Indigenous

Dose	Due	Overdue	Condition
Dose 1	65 years of age	65 years of age and 1 month	If a dose has not been given.
	65 years of age	65 years of age and 1 month	if a dose has been given before 60 years of age.
	Not due	Not overdue	If a dose has been given after 60 years of age.
Dose 2	65 years of age and 2 months after dose 1	3 months after dose 1	If dose 2 has not been given.

*Rules relate only to non-indigenous individuals.

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