

AUSTRALIAN CHILDHOOD IMMUNISATION COVERAGE, 1 JANUARY TO 31 MARCH COHORT, ASSESSED AS AT 30 JUNE 2014

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Introduction

The National Centre for Immunisation Research and Surveillance of Vaccine Preventable Diseases (NCIRS) provides commentary on the trends in ACIR data. For further information please contact NCIRS at: telephone +61 2 9845 1435, email: brynley.hull@health.nsw.gov.au

Tables 1, 2 and 3 provide the latest quarterly report on childhood immunisation coverage from the Australian Childhood Immunisation Register (ACIR) for all children.

The data show the percentage of children 'fully immunised' at 12 months, 24 months and 60 months, for 3-month birth cohorts of children assessed at the stated ages between 1 January and 31 March 2014 using ACIR data as at 30 June 2014. 'Fully immunised' refers to vaccines on the National Immunisation Program Schedule, but excludes rotavirus, varicella, and meningococcal C conjugate vaccines.

'Fully immunised' at 12 months of age is defined as a child having a record on the ACIR of 3 doses of a diphtheria (D), tetanus (T) and pertussis-containing (P) vaccine, 3 doses of polio vaccine, 2 or 3 doses of PRP-OMP containing *Haemophilus influenzae* type b (Hib) vaccine or 3 doses of any other Hib vaccine, 3 doses of hepatitis B vaccine, and 3 doses of 13-valent pneumococcal conjugate vaccine. 'Fully immunised' at 24 months of age is defined as a child having a record on the ACIR of 3 doses of a DTP-containing vaccine, 3 doses of polio vaccine, 3 or 4 doses of PRP-OMP Hib vaccine or 4 doses of any other Hib vaccine, 3 doses of hepatitis B vaccine, and 1 dose of a measles, mumps and rubella-containing (MMR) vaccine. 'Fully immunised' at 60 months of age is defined as a child having a record on the ACIR of 4 doses of a DTP-containing vaccine, 4 doses of polio vaccine, and 2 doses of an MMR-containing vaccine.

A full description of the basic methodology used can be found in *Commun Dis Intell* 1998;22(3):36–37.

Table 1: Percentage of children immunised at 12 months of age for the birth cohort 1 January to 31 March 2013, preliminary results, by disease and state or territory; assessment date 30 June 2014

Vaccine	State or territory								Aust
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	
Total number of children	1,359	24,758	982	15,787	5,014	1,490	18,925	8,683	76,998
Diphtheria, tetanus, pertussis (%)	94.1	91.0	90.7	92.1	90.9	91.7	92.5	91.8	91.8
Poliomyelitis (%)	94.0	90.9	90.7	92.1	90.9	91.7	92.5	91.8	91.7
<i>Haemophilus influenzae</i> type b (%)	93.7	90.8	90.8	92.0	90.9	91.5	92.3	91.7	91.6
Hepatitis B (%)	94.0	90.6	90.4	91.9	90.7	91.4	92.0	91.3	91.4
Pneumococcal	93.9	90.6	90.5	91.9	90.6	91.5	92.0	91.2	91.3
Fully immunised (%)	93.4	90.1	90.1	91.6	90.3	90.9	91.4	90.7	90.9
Change in fully immunised since last quarter (%)	+0.7	+1.0	-0.6	+0.9	+0.8	+3.3	+1.6	+1.2	+1.2

Table 2: Percentage of children immunised at 24 months of age for the birth cohort 1 January to 31 March 2012, preliminary results, by disease and state or territory; assessment date 30 June 2014*

Vaccine	State or territory								Aust
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	
Total number of children	1,387	25,281	961	15,992	4,957	1,479	18,951	8,655	77,663
Diphtheria, tetanus, pertussis (%)	96.3	94.7	95.6	95.2	95.1	95.1	95.5	94.5	95.0
Poliomyelitis (%)	96.3	94.7	95.7	95.2	95.0	95.1	95.5	94.4	95.0
<i>Haemophilus influenzae</i> type b (%)	95.5	93.8	94.9	94.4	93.9	94.2	94.4	93.3	94.1
Measles, mumps, rubella (%)	95.7	94.3	95.5	94.9	94.6	94.5	94.8	93.4	94.5
Hepatitis B (%)	95.5	94.3	95.5	94.9	94.5	94.9	94.9	93.8	94.6
Fully immunised (%)	93.8	92.1	94.2	93.6	92.4	92.8	92.9	91.5	92.6
Change in fully immunised since last quarter (%)	+0.9	+0.3	+1.5	+0.1	+0.4	+0.2	+0.5	+0.4	+0.3

* The 12 months age data for this cohort were published in *Commun Dis Intell* 2013;37(4):E435.

Table 3: Percentage of children immunised at 60 months of age for the birth cohort 1 January to 31 March 2009, preliminary results, by disease and state or territory; assessment date 30 June 2014

Vaccine	State or territory								Aust
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	
Total number of children	1,209	24,617	915	16,272	5,118	1,563	18,313	8,400	76,407
Diphtheria, tetanus, pertussis (%)	95.3	92.8	92.8	92.7	91.2	93.0	92.6	91.0	92.5
Poliomyelitis (%)	95.3	92.7	92.5	92.7	91.1	92.8	92.6	91.0	92.4
Measles, mumps, rubella (%)	95.0	92.7	92.8	92.7	91.4	93.0	92.5	90.8	92.4
Fully immunised (%)	94.8	92.3	92.0	92.3	90.5	92.3	92.0	90.3	91.9
Change in fully immunised since last quarter (%)	+2.6	+0.1	+1.1	-0.5	-0.5	-0.3	-0.6	+1.4	-0.1

Figure: Trends in vaccination coverage, Australia, 1997 to 31 March 2014, by age cohorts

