

National Communicable Diseases Surveillance Report
Fortnight 17, 2014 Summary Notes for Selected Diseases
09 August to 22 August 2014

Measles

There were 13 cases notified in this reporting period including from Vic (6), NSW (3), WA (2), Qld (1) and ACT (1).

Of the 302 cases notified year to date:

- The majority were either imported from overseas 37% (n=113) or import related 31% (n=94). These cases were associated with travel to the Philippines, Singapore and more recently Papua New Guinea.
- Although 32% of cases were reported as being acquired in Australia, with the link to an imported case either not established or currently under investigation, it is likely these are all import related.
- Cases continue to be highest in the 15-19 and 30-34 years age groups, representing a third of cases. 9% of cases (n=27) were less than 12 months of age.
- Of those cases aged over 12 months (n=276) and eligible for vaccination, 40% (n=110) were reported as not vaccinated and 41% (n=112) had an unknown vaccination status. The remaining 19% of cases (n=54) were reported as being vaccinated, of which 43 had received one dose and 11 had received two doses of a measles containing vaccine.
- Vaccination is the best protection against measles. All travellers should ensure that they are up to date with routinely recommended vaccinations, including measles, prior to travel. More information is available on vaccination from the [National Immunisation Program](http://www.immunise.health.gov.au) (www.immunise.health.gov.au).

Influenza (laboratory confirmed)

- Across all jurisdictions, seasonal influenza activity has continued to increase, with New South Wales and Queensland reporting the highest levels of activity.
- Nationally influenza A is the predominant influenza virus type. Of those viruses where subtyping data are available, A(H1N1)pdm09 remains the predominant influenza virus type in most jurisdictions. In New South Wales and the Australian Capital Territory, influenza A(H3N2) is the most common subtype and in Western Australia the proportion of A(H3N2) has continued to increase in recent weeks, primarily associated with activity in the Kimberly region.
- The influenza vaccine is likely to provide good coverage against the currently circulating viruses.
- The severity of the 2014 influenza season appears to be moderate across most jurisdictions. However, more severe activity is noted in NSW, where influenza A(H3N2) is circulating at higher levels and affecting people in older age-groups, which has led to a substantial number of outbreaks in aged care facilities.

A comprehensive analysis of influenza surveillance data is available in the Australian Influenza Surveillance Report, which is published fortnightly on the [Department of Health website](http://www.health.gov.au/flureport) (www.health.gov.au/flureport).

Interpretative Notes

Selected diseases are chosen each fortnight based on either exceeding two standard deviations from the 90 day and/or 365 day five year rolling mean or other disease issues of significance identified during the reporting period. All diseases reported are analysed by notification receive date. Data are extracted each Monday of a CDNA week.

Totals comprise data from all States and Territories. Cumulative figures are subject to retrospective revision so there may be discrepancies between the number of new notifications and the increment in the cumulative figure from the previous period.

¹*The past quarter (90 day) surveillance period includes the date range 25 May 2014 to 22 August 2014.*

²*The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 22 August 2014. The ratio is the notification activity in the past quarter (90 days) compared with the five year rolling mean for the same period.*

³*The past year (365 day) surveillance period includes the date range) 23 August 2013 to 22 August 2014.*

⁴*The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 22 August 2014. The ratio is the notification activity in the past year (365 days) compared with the five year rolling mean for the same period.*

The five year rolling mean and the ratio of notifications compared with the five year rolling mean should be interpreted with caution. Changes in surveillance practice, diagnostic techniques and reporting may contribute to increases or decreases in the total notifications received over a five year period. Ratios are to be taken as a crude measure of current disease activity and may reflect changes in reporting rather than changes in disease activity.

ADT FN17 Notification Received Date 09/08/2014 to 22/08/2014

Disease	State or Territory								Totals for Australia				Historical 90 Day Period			Historical 365 Day Period				
	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	This Reporting Period	Previous Reporting Period	Same Reporting Period Last Year	2014 YTD	Past Quarter	Quarterly Rolling 5 year mean	Ratio Past Quarter /5 year mean	Exceeds Quarterly rolling mean +2 SD by	Past Year	Yearly rolling 5 year mean	Ratio Past year /5 year mean	Exceeds Yearly rolling mean +2 SD by
Bloodborne diseases																				
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Hepatitis B (newly acquired)	0	0	0	1	1	0	2	0	4	6	3	120	33	46.2	0.7		181	217.2	0.8	
Hepatitis B (unspecified)	4	90	2	40	9	1	45	30	221	228	289	4,234	1,647	1,716.6	0.9		6,744	6,758.6	1.0	
Hepatitis C (newly acquired)	0	3	0	0	1	1	5	0	10	13	11	295	119	99.4	1.1		451	414.8	1.1	
Hepatitis C (unspecified)	10	153	7	126	22	2	65	26	411	425	434	6,640	2,607	2,575.4	1.0		10,440	10,399.4	1.0	
Hepatitis D	0	0	0	0	0	0	2	0	2	0	0	29	13	10.8	1.1		50	37.2	1.3	
Gastrointestinal diseases																				
Botulism	0	0	0	0	0	0	0	0	0	0	1	1	0	0.4	0.0		1	1.4	0.7	
Campylobacteriosis	14	NN	18	208	77	38	99	90	544	716	451	12,083	4,578	3,586.2	1.2	191.1	18,019	16,093.0	1.1	
Cryptosporidiosis	0	6	3	17	3	2	15	5	51	80	51	1,807	491	420.8	1.1		2,505	2,949.0	0.8	
Haemolytic uraemic syndrome (HUS)	0	0	0	0	0	0	0	0	0	1	0	17	4	3.4	1.2		22	15.8	1.4	
Hepatitis A	0	2	0	1	0	0	0	2	5	6	8	142	29	48.8	0.6		197	268.4	0.7	
Hepatitis E	0	1	0	2	0	0	0	0	3	2	0	34	18	8.0	2.3	3.2	45	36.0	1.3	
Listeriosis	0	1	0	1	0	0	0	0	2	0	3	50	15	16.2	0.9		73	78.2	0.9	
STEC, VTEC	0	0	0	1	2	0	1	0	4	3	3	92	28	17.8	1.5	5.6	184	108.2	1.7	23.8
Salmonellosis	7	87	27	94	33	6	75	40	369	439	304	11,135	3,086	2,012.4	1.5	409.5	15,335	11,188.4	1.4	1,417.7
Shigellosis	1	5	4	5	2	0	22	3	42	31	17	700	244	117.0	1.9	71.4	898	569.0	1.5	86.3
Typhoid Fever	0	1	0	0	0	0	1	0	2	4	1	80	22	19.4	1.1		121	121.8	1.0	
Quarantinable diseases																				
Cholera	0	0	0	0	0	0	0	0	0	0	0	2	1	1.4	0.7		4	4.6	0.9	
HPAIIH	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Viral haemorrhagic fever (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Yellow fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.0		0	0.0	0.0	
Sexually transmissible infections																				
Chlamydial infection	38	770	90	757	166	42	473	410	2,746	3,174	3,257	55,366	20,398	18,830.0	1.1		84,622	74,921.0	1.1	
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	1	0	0.4	0.0		1	0.8	1.3	
Gonococcal infection	2	112	63	94	12	1	48	76	408	487	591	10,155	3,636	2,844.0	1.3		15,659	11,259.2	1.4	
Syphilis - congenital	0	0	0	0	0	0	0	0	0	2	2	3	2	1.8	1.1		4	4.8	0.8	
Syphilis < 2 years	0	6	2	15	0	1	14	2	28	50	83	1,059	358	346.8	1.0		1,703	1,374.0	1.2	
Syphilis > 2 years or unspecified duration	3	3	5	14	2	1	58	2	32	72	79	1,140	388	372.4	1.0		1,712	1,408.8	1.2	31.8

Footnotes:

* Ratio of the 90 day prior surveillance period to the past 90 day 5 year rolling mean, or ratio of the 365 day prior surveillance period to the 365 day 5 year rolling mean.

NN = Not Notifiable, NDP = No Data Provided, NEC = Not Elsewhere Classified

Past Quarter (90d prior surveillance period): 25/05/2014 to 22/08/2014

Quarterly rolling 5Yr Mean (90d 5Yr Mean):

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 1: 25/05/2013 to 22/08/2013

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 25/05/2012 to 22/08/2012

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 25/05/2011 to 22/08/2011

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 25/05/2010 to 22/08/2010

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 25/05/2009 to 22/08/2009

Past year (365d prior surveillance period): 23/08/2013 to 22/08/2014

Yearly rolling 5Yr Mean (365d 5Yr Mean):

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 23/08/2012 to 22/08/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 24/08/2011 to 22/08/2012

Yearly rolling 5Yr Mean (365d 5Yr Mean) 3: 23/08/2010 to 22/08/2011

Yearly rolling 5Yr Mean (365d 5Yr Mean) 4: 23/08/2009 to 22/08/2010

Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 23/08/2008 to 22/08/2009

ADT FN17 Notification Received Date 09/08/2014 to 22/08/2014

Disease	State or Territory								Totals for Australia					Historical 90 Day Period			Historical 365 Day Period			
	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	This Reporting Period	Previous Reporting Period	Same Reporting Period Last Year	2014 YTD	Past Quarter	Quarterly Rolling 5 year mean	Ratio Past Quarter /5 year mean	Exceeds Quarterly rolling mean +2 SD by	Past Year	Yearly rolling 5 year mean	Ratio Past year /5 year mean	Exceeds Yearly rolling mean +2 SD by
Vaccine preventable diseases																				
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	1	1	0.0	0.0		2	1.0	2.0	
Haemophilus influenzae type b	0	0	0	1	0	0	0	0	1	1	3	13	7	7.4	0.9		19	18.4	1.0	
Influenza (laboratory confirmed)	267	4,821	58	3,348	1,573	109	1,082	763	12,021	7,601	3,012	33,353	27,437	20,072.6	1.3		50,175	32,380.0	1.5	
Measles	1	3	0	1	0	0	6	2	13	11	12	302	97	29.4	3.1	17.4	411	122.0	3.3	191.7
Mumps	0	3	0	4	0	0	0	2	9	6	5	130	41	40.8	1.0		192	166.8	1.2	
Pertussis	15	91	4	42	15	1	125	70	363	427	471	5,890	2,288	5,888.6	0.4		10,379	29,011.8	0.4	
Pneumococcal disease (invasive)	1	33	2	14	10	0	26	13	99	85	107	961	563	611.0	0.9		1,530	1,710.0	0.9	
Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Rubella	0	2	0	0	0	0	0	0	2	0	2	12	5	11.2	0.4		21	39.0	0.5	
Rubella Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0		1	0.4	2.5	
Tetanus	0	0	0	0	0	0	0	0	0	0	0	1	0	0.4	0.0		1	3.8	0.3	
Varicella zoster (Chickenpox)	0	NN	3	0	11	0	0	16	30	40	82	1,124	379	508.4	0.7		2,059	1,951.8	1.1	
Varicella zoster (Shingles)	0	NN	5	0	37	5	0	39	86	151	172	3,344	1,145	906.6	1.3		5,234	3,677.0	1.4	
Varicella zoster (Unspecified)	11	NN	0	231	25	9	1	63	340	423	371	6,842	2,555	1,920.8	1.3	26.4	10,741	7,588.6	1.4	822.0
Vectorborne diseases																				
Arbovirus infection (NEC)	0	0	0	0	0	0	0	0	0	0	2	25	4	4.6	0.9		32	12.8	2.5	6.4
Barmah Forest virus infection	0	2	0	7	0	0	0	1	10	19	109	616	140	422.0	0.3		1,429	2,113.2	0.7	
Dengue virus infection	0	6	2	2	4	0	0	18	32	37	76	1,244	325	270.4	1.2		1,748	1,308.2	1.3	
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	1	0	0	0.6	0.0		1	1.0	1.0	
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0		2	1.2	1.7	
Malaria	2	2	1	3	0	1	0	0	9	10	14	206	75	115.4	0.6		334	428.8	0.8	
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	1	0	0	1.0	0.0		0	4.4	0.0	
Ross River virus infection	0	32	11	63	2	0	0	35	143	119	106	3,476	950	728.8	1.3		4,645	4,809.8	1.0	
Zoonoses																				
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.2	0.0	
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.2	0.0	
Brucellosis	0	1	0	1	0	0	1	0	3	1	0	13	6	5.4	0.9		20	29.0	0.7	
Leptospirosis	0	1	0	0	1	0	0	1	3	0	3	71	27	31.2	0.9		96	137.8	0.7	
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	0.0	0.0	
Ornithosis	0	0	0	1	0	0	1	0	2	0	1	19	7	15.4	0.4		41	71.6	0.6	
Q fever	0	3	0	2	0	0	0	2	7	16	16	314	94	94.2	1.0		468	367.6	1.3	13.4
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.0		0	0.5	0.0	
Other bacterial infections																				
Legionellosis	0	2	1	2	0	0	3	5	13	18	29	254	88	93.4	0.9		469	346.2	1.3	3.8
Leprosy	0	0	0	0	0	0	0	0	0	0	2	7	1	2.4	0.4		12	8.4	1.4	
Meningococcal disease (invasive)	1	0	0	4	1	0	1	0	7	7	15	93	48	72.4	0.6		145	235.0	0.6	
Tuberculosis	1	13	1	21	0	0	17	4	57	65	57	840	348	305.6	1.1		1,301	1,328.8	1.0	
	378	6,255	309	5,123	2,009	220	2,188	1,720	18,134	14,776	10,257	164,336	74,348				250,479			

Footnotes:

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Past year (365d prior surveillance period): 23/08/2013 to 22/08/2014
 Yearly rolling 5Yr Mean (365d 5Yr Mean):
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