

National Communicable Diseases Surveillance Report
Fortnight 04, 2014 Summary Notes for Selected Diseases
8 February to 21 February 2014

Measles

There have been 31 cases of measles reported this reporting period from NT (16), NSW (7), WA (4), Vic (2), Qld (1) and SA (1). The median age is 25, the age range is from 0-62.

Of the 116 cases notified YTD:

- Almost 60% of cases were either imported from overseas or were import-related, with the majority of these cases related to the Philippines;
- Some of the import-related cases (n=10) have been linked to a multijurisdictional outbreak associated with an imported case from the Philippines who attended a dance competition in Sydney in early December 2013; and
- Of the remaining 42% of cases reported as locally acquired, information about their source of infection has either not been established or is still under investigation.

Q fever

During the reporting period there were 15 notifications of Q fever reported to the NNDSS, compared to 23 in the previous reporting period and 21 in the same reporting period last year. During the past 90 days, there were 129 notifications, a ratio of 1.5 compared with the quarterly rolling mean of 86 notifications. The cases for the current reporting period were notified by Qld (8), NSW (4), Vic (2) and NT (1). No point source of infection is involved, and there is no clustering of risk factors.

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 24 November 2013 to 21 February 2014.*

²*The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 21 February 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 22 February 2013 to 21 February 2014.*

⁴*The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 21 February 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 FN04 Notification Received Date 08/02/2014 to 21/02/2014

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	4	1	0	1	2	8	5	6	24	34	54.6	0.6		171	223.2	0.8	-
Hepatitis B (unspecified)	4	115	1	35	15	3	55	36	264	222	294	869	1,538	1,542.4	1.0		6,936	6,714.0	1.0	-
Hepatitis C (newly acquired)	1	3	0	0	2	0	5	3	14	18	20	60	109	106.4	1.0		407	408.6	1.0	-
Hepatitis C (unspecified)	4	155	0	123	13	10	83	44	432	337	416	1,371	2,375	2,416.4	1.0		10,317	10,475.6	1.0	-
Hepatitis D	0	0	0	0	0	0	2	0	2	0	3	6	14	6.2	2.3	3.0	60	36.0	1.7	12.4
Gastrointestinal diseases																				
Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		4	0.6	6.7	1.6
Campylobacteriosis	13	NN	11	191	60	43	276	81	675	816	509	2,892	4,836	4,470.6	1.1		15,405	16,239.4	0.9	-
Cryptosporidiosis	4	24	2	41	14	1	33	16	135	129	257	503	791	762.8	1.0		3,691	2,658.4	1.4	-
Haemolytic uraemic syndrome (HUS)	0	1	0	0	0	0	0	0	1	1	3	7	8	6.0	1.3		16	18.0	0.9	-
Hepatitis A	2	5	0	4	0	0	3	2	16	15	21	45	64	67.2	1.0		193	282.4	0.7	-
Hepatitis E	0	0	0	0	0	0	0	0	0	2	1	3	9	9.0	1.0		30	38.4	0.8	-
Listeriosis	0	0	0	0	1	0	4	0	5	4	4	13	23	24.6	0.9		71	78.8	0.9	-
STEC, VTEC	0	2	0	0	1	0	1	0	4	7	10	30	41	41.0	1.0		179	104.4	1.7	25.2
Salmonellosis	14	211	19	237	34	20	259	52	846	757	754	2,876	4,319	3,452.8	1.3		13,243	10,777.4	1.2	-
Shigellosis	2	22	4	14	4	0	15	4	65	53	32	208	272	169.0	1.6	41.0	652	598.2	1.1	-
Typhoid Fever	0	3	0	3	0	0	2	0	8	11	12	32	50	37.4	1.3		137	119.8	1.1	-
Quarantinable diseases																				
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0		3	4.6	0.7	-
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	0.0	0.0		0	1.0	0.0	-
Sexually transmissible infections																				
Chlamydial infection	40	916	36	943	176	37	503	532	3,183	3,275	3,681	11,915	19,851	17,663.0	1.1		82,609	72,690.8	1.1	-
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	1.0	0.0	-
Gonococcal infection	11	193	40	122	14	6	115	98	599	616	639	2,383	3,867	2,705.6	1.4		15,488	10,552.8	1.5	-
Syphilis - congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.0		6	4.2	1.4	-
Syphilis < 2 years	0	5	0	15	0	0	19	7	46	51	72	199	383	322.8	1.2		1,720	1,329.2	1.3	69.0
Syphilis > 2 years or unspecified duration	4	6	0	15	2	0	37	2	66	51	79	208	358	300.0	1.2	10.8	1,687	1,355.2	1.2	237.8

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): 24/11/2013 to 21/02/2014

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

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 1: 24/11/2012 to 21/02/2013

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 24/11/2011 to 21/02/2012

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 24/11/2010 to 21/02/2011

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 24/11/2009 to 21/02/2010

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 24/11/2008 to 21/02/2009

Past year (365d prior surveillance period): 22/02/2013 to 21/02/2014

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

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 23/02/2012 to 21/02/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 22/02/2011 to 21/02/2012

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Disease	State or Territory								Totals for Australia				Historical 90 Day Period				Historical 365 Day Period				
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Vaccine preventable diseases																					
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0	0.0		4	0.8	5.0		
Haemophilus influenzae type b	0	0	0	0	0	0	0	0	0	0	0	2	4	3.8	1.1		22	19.0	1.2		
Influenza (laboratory confirmed)	7	85	76	213	50	9	63	57	560	629	341	2,331	4,342	2,230.0	1.9		29,285	30,972.2	0.9		
Measles	7	7	16	1	1		2	4	31	39	1	116	130	26.0	5.0	73.7	262	124.4	2.1	27.5	
Mumps	0	3	0	5	1	0	0	2	11	11	17	33	48	41.2	1.2		205	171.6	1.2		
Pertussis	9	101	3	83	16	4	130	46	392	385	690	1,514	2,710	8,543.6	0.3		11,431	28,699.8	0.4		
Pneumococcal disease (invasive)	0	8	0	5	5	1	9	5	33	24	37	112	246	258.8	1.0		1,541	1,715.2	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	1	0	0	0	0	0	0	1	0	0	4	8	7.8	1.0		31	39.4	0.8		
Rubella Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		2	0.4	5.0	0.5	
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0.0		2	4.2	0.5		
Varicella zoster (Chickenpox)	2	NN	0	5	5	0	18	10	40	54	61	247	534	464.8	1.1		2,063	1,899.6	1.1		
Varicella zoster (Shingles)	2	NN	10	0	43	4	45	44	148	174	201	667	1,210	929.0	1.3		4,946	3,399.2	1.5		
Varicella zoster (Unspecified)	6	NN	0	260	44	12	86	69	477	464	387	1,741	2,827	1,877.2	1.5	361.0	10,343	7,057.4	1.5	470.9	
Vectorborne diseases																					
Arbovirus infection (NEC)	0	0	0	0	0	0	0	0	0	2	0	5	6	3.0	2.0		23	12.0	1.9	0.5	
Barmah Forest virus infection	0	9	1	46	0	0	0	6	62	70	201	239	407	532.0	0.8		3,932	1,772.6	2.2	1,591.2	
Dengue virus infection	0	7	4	39	5	0	7	41	103	125	79	395	528	441.0	1.2		1,926	1,143.8	1.7	303.3	
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		4	0.2	20.0	2.9	
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0	1	2	0.4	5.0	0.5		3	1.6	1.9	
Malaria	1	5	1	6	0	0	3	2	18	23	38	57	97	121.4	0.8		375	448.6	0.8		
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0		1	4.6	0.2		
Ross River virus infection	0	19	21	52	4	1	9	115	221	187	277	760	1,183	1,242.8	1.0		4,303	4,957.8	0.9		
Zoonoses																					
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0		0	0.2	0.0		
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0		0	0.2	0.0		
Brucellosis	0	0	0	1	0	0	0	0	1	1	2	4	7	8.4	0.8		21	32.4	0.6		
Leptospirosis	0	1	0	5	0	0	0	0	6	3	1	14	18	35.4	0.5		105	140.4	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	0	0	0	2	0	2	0	0	2	11	18.8	0.6		45	79.0	0.6		
Q fever	0	4	1	8	0	0	2	0	15	23	21	87	129	86.0	1.5	19.0	493	345.4	1.4	98.0	
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0		0	1.0	0.0		
Other bacterial infections																					
Legionellosis	0	0	1	0	2	0	4	6	13	12	10	51	96	83.6	1.1		505	324.4	1.6	87.8	
Leprosy	0	0	0	0	0	0	0	1	1	0	1	3	3	1.6	1.9		16	8.4	1.9	3.5	
Meningococcal disease (invasive)	0	1	0	3	1	0	0	0	5	5	3	14	23	48.6	0.5		148	246.6	0.6		
Tuberculosis	0	6	1	9	1	0	14	7	38	37	66	167	291	341.2	0.9		1,225	1,324.0	0.9		
	126	1,918	248	2,488	515	151	1,807	1,294	8,547	8,638	9,247	32,210	53,803				226,287				

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