

**National Communicable Diseases Surveillance Report**  
**Fortnight 03, 2014 Summary Notes for Selected Diseases**  
**25 January to 7 February 2014**

**Measles**

There have been 36 cases of measles reported this reporting period from NT (16), Vic (7), NSW (4), WA (3), Qld (3), SA (2) and ACT (1). The median age is 21, the age range is from 0-64.

Of the 82 cases notified YTD:

- 37 cases were either imported from overseas or were import-related. 25 of these cases were related to the Philippines;
- 9 have been linked to the multijurisdictional outbreak associated with an imported case from the Philippines who attended a dance competition in Sydney in early December; and
- Information about how they acquired their infection has not been established or not reported at the time of analysis for the remaining 36 cases.

**Salmonellosis**

Between 25 January and 7 February 2014, there were 729 notified cases of salmonellosis.

Over the past quarter there have been 3,989 notifications, which is 1.3 times the quarterly rolling five year mean for the same period.

As foods of animal origin may be contaminated with *Salmonella*, authorities highlight the importance of not eating raw eggs, poultry, or meat. It is also important that these foods are handled in a way to avoid cross-contamination of other foods.

**Shigellosis**

Between 25 January and 7 February 2014, there were 48 notified cases of shigellosis.

Over the past quarter there have been 253 notifications, which is 1.6 times the quarterly rolling five year mean for the same period.

*Shigella* spreads easily from person to person by the faecal-oral route. Ingestion of only a small number of organisms is sufficient to result in infection. Certain types of sexual activity, such as oral-anal sex, facilitate transmission of *Shigella* from person to person. People who have shigellosis should not have sex where there is any contact with the anus, to avoid transmitting *Shigella* to the mouth. Shigellosis can also be acquired from ingestion of food contaminated by poor hand hygiene or by flies that have been in contact with human waste.

Good hygiene is essential to prevent the further spread of *Shigella*. Spread of *Shigella* can be prevented by:

- thorough washing of hands with soap and water for at least 10 seconds:
  - after going to the toilet
  - after changing nappies
  - after any possible exposures to faecal material
  - before handling food or caring for other people
  - washing vegetables and fruit that are eaten raw

### **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.*

<sup>1</sup>*The past quarter (90 day) surveillance period includes the date range 10 November 2013 to 7 February 2014.*

<sup>2</sup>*The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 7 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.*

<sup>3</sup>*The past year (365 day) surveillance period includes the date range 8 February 2013 to 7 February 2014.*

<sup>4</sup>*The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 7 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 FN03 Notification Received Date 25/01/14 to 07/02/14

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	
<b>Bloodborne diseases</b>																					
Hepatitis (NEC)	0	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	0	0	2	0	6	4	7	17	34	51.4	0.7	-	170	224.8	0.8	-	
Hepatitis B (unspecified)	4	92	0	38	0	5	37	20	196	240	241	579	1,526	1,508.8	1.0	-	6,941	6,705.2	1.0	-	
Hepatitis C (newly acquired)	0	2	0	0	1	0	6	3	12	18	16	41	109	99.0	1.1	-	407	406.4	1.0	-	
Hepatitis C (unspecified)	7	113	0	93	2	5	58	24	302	375	375	904	2,351	2,382.2	1.0	-	10,271	10,485.2	1.0	-	
Hepatitis D	0	0	0	0	0	0	0	0	0	4	0	4	16	6.0	2.7	7.2	61	35.6	1.7	14.7	
<b>Gastrointestinal diseases</b>																					
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	10	197	43	36	337	99	735	800	559	2,136	4,764	4,477.2	1.1	-	15,158	16,287.4	0.9	-	
Cryptosporidiosis	4	26	5	43	12	0	22	12	124	132	192	363	740	587.4	1.3	-	3,808	2,627.2	1.4	-	
Haemolytic uraemic syndrome (HUS)	0	1	0	0	0	0	0	0	1	4	1	6	10	4.6	2.2	-	18	17.4	1.0	-	
Hepatitis A	0	5	0	5	0	0	5	0	15	9	13	29	53	65.0	0.8	-	198	280.4	0.7	-	
Hepatitis E	0	1	0	0	0	0	1	0	2	1	4	3	11	9.0	1.2	-	31	38.2	0.8	-	
Listeriosis	0	1	0	0	0	0	0	1	2	1	5	6	16	22.0	0.7	-	68	78.4	0.9	-	
STEC, VTEC	0	5	0	0	2	0	0	0	7	12	7	26	45	38.2	1.2	-	185	102.6	1.8	32.1	
Salmonellosis	4	240	14	224	44	7	150	46	729	772	678	2,003	3,989	3,168.4	1.3	34.8	13,123	10,719.2	1.2	-	
Shigellosis	1	19	3	14	1	0	7	3	48	60	17	151	253	160.4	1.6	27.7	654	600.0	1.1	-	
Typhoid Fever	0	4	0	1	1	0	4	0	10	8	14	23	44	33.4	1.3	-	140	119.2	1.2	-	
<b>Quarantinable diseases</b>																					
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	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	-	
<b>Sexually transmissible infections</b>																					
Chlamydial infection	43	807	37	740	8	65	572	427	2,699	3,431	3,264	8,069	19,537	17,238.4	1.1	-	82,439	72,449.0	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	186	26	102	9	3	94	86	517	742	648	1,675	3,752	2,657.6	1.4	-	15,420	10,494.8	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	3	0	14	0	0	10	1	28	56	70	119	348	316.8	1.1	-	1,699	1,325.6	1.3	70.3	
Syphilis > 2 years or unspecified duration	2	4	3	6	0	0	17	0	32	53	56	121	329	292.8	1.1	4.2	1,680	1,349.6	1.2	230.1	

**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): 10/11/2013 to 07/02/2014  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean):  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean) 1: 10/11/2012 to 07/02/2013  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 10/11/2011 to 07/02/2012  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 10/11/2010 to 07/02/2011  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 10/11/2009 to 07/02/2010  
 Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 10/11/2008 to 07/02/2009

Past year (365d prior surveillance period): 08/02/2013 to 07/02/2014  
 Yearly rolling 5Yr Mean (365d 5Yr Mean):  
 Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 09/02/2012 to 07/02/2013  
 Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 08/02/2011 to 07/02/2012  
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 Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 09/02/2008 to 07/02/2009

ADT FN03 Notification Received Date 25/01/14 to 07/02/14

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
<b>Vaccine preventable diseases</b>																				
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	2	0	2	4	3.8	1.1	-	22	19.0	1.2	-
Influenza (laboratory confirmed)	7	123	51	182	58	5	78	57	561	653	329	1,702	4,687	2,164.8	2.2	355.2	29,000	30,916.2	0.9	-
Measles	1	4	16	3	2	7	3	36	29	1	82	115	24.2	4.8	57.2	229	125.4	1.8	-	
Mumps	0	3	0	3	0	1	0	0	7	9	11	18	43	39.6	1.1	-	207	173.0	1.2	-
Pertussis	2	63	4	84	11	7	126	62	359	445	631	1,095	2,782	8,824.8	0.3	-	11,700	28,593.8	0.4	-
Pneumococcal disease (invasive)	0	7	1	2	3	0	7	5	25	31	39	82	280	286.6	1.0	-	1,548	1,711.2	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	0	0	0	0	0	0	0	0	1	0	3	8	7.6	1.1	-	30	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	1	0	0	1.6	0.0	-	2	4.2	0.5	-
Varicella zoster (Chickenpox)	0	NN	7	0	5	0	19	7	38	82	55	178	573	508.6	1.1	-	2,051	1,897.0	1.1	-
Varicella zoster (Shingles)	1	NN	6	2	36	0	37	35	117	171	180	447	1,169	913.2	1.3	-	4,911	3,375.8	1.5	-
Varicella zoster (Unspecified)	5	NN	0	220	42	16	108	59	450	473	339	1,278	2,804	1,860.6	1.5	342.8	10,289	7,018.0	1.5	386.8
<b>Vectorborne diseases</b>																				
Arbovirus infection (NEC)	0	0	0	2	0	0	0	0	2	1	2	5	7	3.2	2.2	-	23	12.4	1.9	0.6
Barmah Forest virus infection	0	4	2	61	0	0	0	3	70	73	170	177	415	496.2	0.8	-	4,071	1,757.4	2.3	1,801.2
Dengue virus infection	1	12	6	25	3	0	11	25	83	108	81	239	410	370.0	1.1	-	1,843	1,131.8	1.6	159.9
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	4	0.4	10.0	2.5
Kunjin virus infection	0	0	0	0	0	0	0	0	0	1	0	1	2	0.2	10.0	0.9	3	1.6	1.9	-
Malaria	1	7	1	4	0	0	7	3	23	9	33	40	96	114.4	0.8	-	396	445.4	0.9	-
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	13	21	44	1	1	10	87	177	204	194	530	1,103	1,028.8	1.1	-	4,348	5,009.0	0.9	-
<b>Zoonoses</b>																				
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	1	0	0	0.2	0.0	-	0	0.2	0.0	-
Brucellosis	0	0	0	1	0	0	0	0	1	2	1	3	8	8.4	1.0	-	22	32.4	0.7	-
Leptospirosis	0	1	0	3	0	0	0	0	4	2	1	9	17	30.0	0.6	-	101	142.2	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	0	0	0	0	2	0	12	21.4	0.6	-	43	79.8	0.5	-
Q fever	0	5	0	13	0	0	2	0	20	22	22	65	120	83.2	1.4	13.2	490	344.2	1.4	104.8
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	1.0	0.0	-
<b>Other bacterial infections</b>																				
Legionellosis	0	2	0	1	0	0	2	7	12	14	16	35	99	84.0	1.2	-	500	324.4	1.5	79.8
Leprosy	0	0	0	0	0	0	0	0	0	1	0	2	3	2.0	1.5	1.0	14	8.4	1.7	0.8
Meningococcal disease (invasive)	0	0	0	2	0	0	1	0	3	2	3	8	28	54.2	0.5	-	145	247.8	0.6	-
Tuberculosis	0	5	1	16	0	0	5	3	30	44	49	122	305	343.0	0.9	-	1,240	1,321.4	0.9	-
	107	1,758	214	2,149	284	151	1,742	1,078	7,483	9,101	8,328	22,398	53,018				225,723			

**Footnotes:**

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