

# **National Communicable Diseases Surveillance Report**

## **Fortnight 09, 2014 Summary Notes for Selected Diseases**

**19 April to 2 May 2014**

### **Salmonellosis**

Between 19 April and 2 May 2014, there were 692 notifications of salmonellosis compared with 516 during the same period last year. In the last 90 days,<sup>1</sup> there were 5,241 notifications, a ratio of 1.4 compared with the quarterly rolling five year mean<sup>2</sup> of 3,831 notifications for the same period. These cases were reported from Queensland (262), New South Wales (164), Victoria (100), Western Australia (81), South Australia (43), Northern Territory (19), Australian Capital Territory (16) and Tasmania (7).

### **Arbovirus (NEC)**

Between 19 April and 2 May 2014 there were three notifications of arbovirus NEC in Australia, compared with nine during the previous reporting period and none during the same period of last year.

During the past 90 days, there were 21 notifications, a ratio of 7.0 compared with the quarterly rolling mean of 3.0 notifications.

One notification was for Zika virus infection imported to Queensland from the Cook Islands, one was for Kokobera in Queensland and one was for a Zika virus imported to New South Wales from the Cook Islands.

### **Measles**

There have been 8 cases of measles notified this reporting period from Qld (4), SA (2) and one each from NSW and WA. The number of cases has plateaued at around 5 cases per week from the end of March, a decline from more than 20 cases per week at its peak.

Of the 194 cases notified YTD:

- 41% (n=79) were imported from overseas, with the majority of these cases associated with the Philippines (n=45).
- Over a third (n=69) were import related, with the majority of these cases linked to cases imported from the Philippines (n=30) and Singapore (n=34).
- A quarter of cases (n=49) are currently reported as being acquired in Australia with the link to an imported case either unable to be established or currently under investigation.
- Cases continue to be highest in the 15-19 and 30-34 years age groups, representing over a third of cases. Additionally, 9% of cases (n=18) are aged less than 12 months.

### **Influenza (laboratory confirmed)**

In this reporting period there were 377 confirmed influenza notifications with the majority continuing to be type A (79%). Type B accounted for 21% of notifications, with the remainder reported as either influenza A and B co-infections or untyped. Of the type A cases, 83% were not subtyped, 9% were reported as A(H1N1)pdm09 and 8% were A(H3N2). Around a third of the notifications for this period were from Queensland (131).

Nationally, influenza activity levels are low and stable, but higher than at the same time in previous years. There is no indication that the 2014 influenza season has commenced, nor any indication of the potential severity of the season.

The Australian Government Department of Health continues to monitor influenza activity and provides a fortnightly summary of current influenza activity on the following website: [www.health.gov.au/internet/main/publishing.nsf/content/cda-surveil-ozflu-flucurr.htm](http://www.health.gov.au/internet/main/publishing.nsf/content/cda-surveil-ozflu-flucurr.htm). The fortnightly Australian Influenza Surveillance Report will commence closer to the onset of the winter influenza season.

### **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 2 February 2014 to 2 May 2014).

<sup>2</sup>The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 2 May 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 3 May 2013 to 2 May 2014.

<sup>4</sup>The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 2 May 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 FN09 Notification Received Date 19/04/2014 to 02/05/2014

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
<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	-
Hepatitis B (newly acquired)	0	2	0	3	0	0	0	1	6	5	5	67	48	57.0	0.8	-	180	220.6	0.8	-
Hepatitis B (unspecified)	2	75	5	28	10	2	37	15	174	250	270	2,158	1,669	1,759.4	0.9	-	6,908	6,713.8	1.0	-
Hepatitis C (newly acquired)	0	1	0	0	2	0	4	0	7	13	19	138	97	105.0	0.9	-	393	415.0	0.9	-
Hepatitis C (unspecified)	7	113	6	88	11	1	42	36	304	376	380	3,348	2,579	2,688.0	1.0	-	10,348	10,432.8	1.0	-
Hepatitis D	0	0	0	0	0	0	0	0	0	4	3	11	7	10.6	0.7	-	51	37.0	1.4	2.9
<b>Gastrointestinal diseases</b>																				
Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0.0	-	2	1.0	2.0	-
Campylobacteriosis	24	NN	8	221	61	25	170	98	607	606	480	6,283	4,499	3,925.8	1.1	-	16,233	16,139.6	1.0	-
Cryptosporidiosis	1	12	1	25	11	1	10	13	74	138	261	1,117	822	1,557.0	0.5	-	2,723	2,857.0	1.0	-
Haemolytic uraemic syndrome (HUS)	0	0	0	0	0	0	0	0	0	1	1	10	4	4.2	1.0	-	17	16.2	1.0	-
Hepatitis A	0	2	0	0	0	0	2	1	5	5	2	98	75	77.2	1.0	-	208	275.0	0.8	-
Hepatitis E	0	0	0	0	0	0	2	0	2	1	3	11	9	12.2	0.7	-	29	37.6	0.8	-
Listeriosis	0	0	0	0	0	0	3	0	3	5	7	29	23	26.0	0.9	-	65	79.8	0.8	-
STEC, VTEC	0	0	0	2	0	0	4	0	6	5	7	54	34	31.4	1.1	-	174	106.2	1.6	19.4
Salmonellosis	16	164	19	262	43	7	100	81	692	792	516	6,903	5,241	3,830.6	1.4	661.3	14,286	10,957.6	1.3	396.1
Shigellosis	0	2	6	13	0	0	12	4	37	30	23	408	297	154.8	1.9	91.8	752	582.8	1.3	-
Typhoid Fever	0	1	0	0	1	0	1	0	3	0	8	51	35	44.4	0.8	-	121	121.6	1.0	-
<b>Quarantinable diseases</b>																				
Cholera	0	0	0	0	0	0	0	0	0	0	0	1	1	1.2	0.8	-	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	0.5	0.0	-
<b>Sexually transmissible infections</b>																				
Chlamydial infection	43	605	41	634	145	64	547	371	2,450	3,114	3,148	29,065	22,055	19,839.0	1.1	-	83,722	73,522.2	1.1	-
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	1	1	0.2	5.0	-	1	1.0	1.0	-
Gonococcal infection	4	162	15	107	19	2	65	60	434	516	590	5,412	3,913	2,975.6	1.3	-	15,546	10,820.0	1.4	-
Syphilis - congenital	0	0	0	0	0	0	0	0	0	0	0	1	1	1.4	0.7	-	6	4.2	1.4	-
Syphilis < 2 years	1	7	3	6	2	0	12	3	34	65	72	545	403	355.8	1.1	-	1,727	1,343.4	1.3	4.8
Syphilis > 2 years or unspecified duration	1	5	3	10	2	0	20	0	41	58	68	550	434	355.0	1.2	-	1,697	1,371.0	1.2	205.8

**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): 02/02/2014 to 02/05/2014

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

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 1: 02/02/2013 to 02/05/2013

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 03/02/2012 to 02/05/2012

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 02/02/2011 to 02/05/2011

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 02/02/2010 to 02/05/2010

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 02/02/2009 to 02/05/2009

Past year (365d prior surveillance period): 03/05/2013 to 02/05/2014

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

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 03/05/2012 to 02/05/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 04/05/2011 to 02/05/2012

Yearly rolling 5Yr Mean (365d 5Yr Mean) 3: 03/05/2010 to 02/05/2011

Yearly rolling 5Yr Mean (365d 5Yr Mean) 4: 03/05/2009 to 02/05/2010

Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 03/05/2008 to 02/05/2009

ADT FN09 Notification Received Date 19/04/2014 to 02/05/2014

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
<b>Vaccine preventable diseases</b>																				
Diphtheria	0	0	0	0	0	0	0	0	0	0	1	0	0	0.4	0.0	-	1	0.6	1.7	-
Haemophilus influenzae type b	0	0	0	0	0	0	0	0	0	0	1	3	1	3.6	0.3	-	18	18.6	1.0	-
Influenza (laboratory confirmed)	3	70	4	131	49	5	57	58	377	531	255	4,983	3,549	1,983.2	1.8	-	30,203	31,209.8	1.0	-
Measles	0	1	0	4	2	0	0	1	8	6	0	194	125	35.2	3.6	26.8	335	120.6	2.8	102.3
Mumps	0	2	0	3	0	0	0	0	5	8	7	78	62	44.0	1.4	-	208	165.2	1.3	-
Pertussis	1	53	3	34	10	0	87	38	226	265	367	3,027	2,094	6,439.0	0.3	-	10,795	28,917.0	0.4	-
Pneumococcal disease (invasive)	0	6	1	6	4	5	14	7	43	38	47	309	239	254.4	0.9	-	1,543	1,709.8	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	7	4	12.0	0.3	-	33	39.0	0.8	-
Rubella Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	2	0.2	10.0	0.9
Tetanus	0	0	0	0	0	0	0	0	0	1	1	1	1	1.4	0.7	-	1	4.0	0.3	-
Varicella zoster (Chickenpox)	0	NN	4	0	14	0	21	11	50	57	51	602	418	350.0	1.2	-	2,141	1,916.8	1.1	-
Varicella zoster (Shingles)	6	NN	4	1	37	2	37	35	122	170	185	1,732	1,286	952.6	1.3	-	5,061	3,509.4	1.4	-
Varicella zoster (Unspecified)	10	NN	0	214	29	8	96	63	420	400	304	3,788	2,788	1,917.6	1.5	393.6	10,658	7,241.4	1.5	868.9
<b>Vectorborne diseases</b>																				
Arbovirus infection (NEC)	0	1	0	2	0	0	0	0	3	9	0	22	21	3.0	7.0	16.6	37	11.6	3.2	15.4
Barmah Forest virus infection	0	8	2	21	0	0	0	1	32	42	269	433	290	771.6	0.4	-	2,741	1,908.2	1.4	-
Dengue virus infection	0	2	0	11	3	0	0	22	38	69	87	766	518	493.2	1.1	-	1,930	1,201.6	1.6	-
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	-	4	0.4	10.0	2.5
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0	2	1	0.8	1.3	-	4	1.4	2.9	0.3
Malaria	0	2	1	3	0	0	0	1	7	9	12	110	80	95.6	0.8	-	364	441.8	0.8	-
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	0.0	-	1	4.4	0.2	-
Ross River virus infection	1	25	15	118	1	1	0	27	188	256	242	2,122	1,681	2,157.4	0.8	-	4,543	4,765.0	1.0	-
<b>Zoonoses</b>																				
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	0.0	0.0	-	0	0.2	0.0	-
Brucellosis	0	1	0	0	0	0	0	0	1	0	2	7	5	6.4	0.8	-	20	32.6	0.6	-
Leptospirosis	0	0	1	1	0	0	0	0	2	7	3	34	27	54.2	0.5	-	104	136.4	0.8	-
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	1	2	9	9	13.6	0.7	-	47	75.8	0.6	-
Q fever	0	2	0	6	0	0	0	1	9	4	19	172	107	99.8	1.1	-	491	348.6	1.4	73.3
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	3	0	4	3	13	16	14	122	94	87.0	1.1	-	499	329.6	1.5	84.4
Leprosy	0	0	0	0	0	0	0	1	1	0	0	4	2	2.0	1.0	-	14	8.0	1.8	2.0
Meningococcal disease (invasive)	0	2	0	0	0	0	0	1	3	10	7	40	33	38.4	0.9	-	141	245.2	0.6	-
Tuberculosis	0	3	0	3	0	0	20	2	28	53	45	410	300	305.4	1.0	-	1,235	1,323.2	0.9	-
	<b>120</b>	<b>1,331</b>	<b>142</b>	<b>1,958</b>	<b>459</b>	<b>123</b>	<b>1,367</b>	<b>955</b>	<b>6,455</b>	<b>7,937</b>	<b>7,784</b>	<b>75,238</b>	<b>55,982</b>				<b>228,367</b>			

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