

National Communicable Diseases Surveillance Report
Fortnight 10, 2014 Summary Notes for Selected Diseases
3 May to 16 May 2014

Influenza (laboratory confirmed)

In this reporting period there were 556 confirmed influenza notifications with the majority continuing to be type A (80%). Type B accounted for 20% of notifications, with the remainder reported as either influenza A and B co-infections or untyped. Of the type A cases, 87% were not subtyped, 10% were reported as A(H1N1)pdm09 and 3% were A(H3N2). Approximately 40% of the notifications for this period were from Queensland (223).

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. The fortnightly Australian Influenza Surveillance Report will commence closer to the onset of the winter influenza season.

Infant botulism (*Clostridium botulinum*)

QLD Health has reported a case of infant botulism in a 5 month old female.

The infant was hospitalised with Acute Flaccid Paralysis in April 2014 and subsequently was diagnosed with botulism. She was administered Baby BIG and her condition is improving.

C. botulinum toxin B gene was detected by PCR in a faecal specimen and confirmed as Toxin type B by mouse bioassay. It was reported that the infant had not consumed any honey.

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 16 February 2014 to 16 May 2014.*

²*The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 16 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.*

³*The past year (365 day) surveillance period includes the date range 17 May 2013 to 16 May 2014.*

⁴*The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 16 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 FN10 Notification Received Date 03/05/2014 to 16/05/2014

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
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	1	0	3	6	7	70	42	55.2	0.8	-	176	220.4	0.8	-
Hepatitis B (unspecified)	2	107	5	34	18	8	62	18	254	209	290	2,453	1,684	1,729.4	1.0	-	6,911	6,714.8	1.0	-
Hepatitis C (newly acquired)	1	0	0	0	1	0	4	4	10	11	17	156	89	105.4	0.8	-	394	415.8	0.9	-
Hepatitis C (unspecified)	10	159	7	114	17	6	90	52	455	316	398	3,810	2,623	2,641.8	1.0	-	10,410	10,420.2	1.0	-
Hepatitis D	0	2	0	2	0	0	0	0	4	0	1	15	11	10.8	1.0	-	54	36.4	1.5	4.1
Gastrointestinal diseases																				
Botulism	0	0	0	1	0	0	0	0	1	0	0	1	1	0.6	1.7	-	3	1.0	3.0	-
Campylobacteriosis	23	NN	11	260	57	36	231	113	731	646	523	7,055	4,427	3,746.6	1.2	-	16,482	16,148.6	1.0	-
Cryptosporidiosis	0	26	7	44	19	2	26	17	141	82	183	1,266	817	1,523.0	0.5	-	2,689	2,880.2	0.9	-
Haemolytic uraemic syndrome (HUS)	0	0	0	0	0	0	0	0	0	0	0	10	4	3.4	1.2	-	17	16.0	1.1	-
Hepatitis A	0	1	0	3	0	0	5	0	9	8	4	111	75	72.6	1.0	-	217	272.8	0.8	-
Hepatitis E	0	2	0	0	0	0	0	0	2	2	2	14	11	11.8	0.9	-	30	37.8	0.8	-
Listeriosis	0	3	0	1	0	0	0	0	4	3	0	33	22	23.6	0.9	-	69	79.6	0.9	-
STEC, VTEC	0	1	0	4	3	0	0	0	8	6	6	62	36	31.0	1.2	-	176	106.8	1.6	17.6
Salmonellosis	14	203	24	242	56	9	155	71	774	724	525	7,713	5,234	3,617.2	1.4	948.8	14,554	10,992.8	1.3	719.0
Shigellosis	0	4	3	6	0	0	11	1	25	36	27	433	262	145.6	1.8	63.9	750	584.0	1.3	-
Typhoid Fever	0	3	0	0	1	0	1	0	5	3	6	56	27	40.6	0.7	-	120	121.8	1.0	-
Quarantinable diseases																				
Cholera	0	0	0	0	0	0	0	0	0	0	0	1	1	2.0	0.5	-	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	-
Sexually transmissible infections																				
Chlamydial infection	33	946	70	842	213	74	736	454	3,368	2,753	3,293	32,810	22,022	19,626.6	1.1	-	84,171	73,697.4	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	6	158	37	155	28	1	96	93	574	525	590	6,106	3,910	2,974.4	1.3	-	15,648	10,872.4	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	0	7	1	15	1	0	12	5	41	43	76	602	374	354.8	1.1	-	1,708	1,349.0	1.3	-
Syphilis > 2 years or unspecified duration	2	9	2	4	4	0	40	2	63	47	79	620	429	365.6	1.2	-	1,693	1,378.4	1.2	163.0

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): 16/02/2014 to 16/05/2014

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

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 1: 16/02/2013 to 16/05/2013

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 17/02/2012 to 16/05/2012

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 16/02/2011 to 16/05/2011

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 16/02/2010 to 16/05/2010

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 16/02/2009 to 16/05/2009

Past year (365d prior surveillance period): 17/05/2013 to 16/05/2014

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

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 17/05/2012 to 16/05/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 18/05/2011 to 16/05/2012

Yearly rolling 5Yr Mean (365d 5Yr Mean) 3: 17/05/2010 to 16/05/2011

Yearly rolling 5Yr Mean (365d 5Yr Mean) 4: 17/05/2009 to 16/05/2010

Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 17/05/2008 to 16/05/2009

ADT FN10 Notification Received Date 03/05/2014 to 16/05/2014

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
Vaccine preventable diseases																				
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0.0		1	1.0	1.0	
Haemophilus influenzae type b	0	1	0	0	0	0	0	0	1	1	0	5	3	3.2	0.9		20	18.4	1.1	
Influenza (laboratory confirmed)	19	111	3	226	43	9	101	44	556	405	300	5,566	3,496	1,856.4	1.9	245.6	30,466	31,250.0	1.0	
Measles	0	1	0	5	0	0	0	0	6	9	2	200	101	32.4	3.1	9.0	338	120.6	2.8	104.1
Mumps	0	1	0	2	0	0	0	0	3	7	9	83	51	46.4	1.1		204	165.8	1.2	
Pertussis	9	60	3	59	9	2	122	49	313	247	436	3,367	2,025	6,079.8	0.3		10,698	28,958.4	0.4	
Pneumococcal disease (invasive)	2	16	1	11	2	1	10	9	52	46	65	362	269	275.8	1.0		1,531	1,708.2	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	2	2	0	2	9	5	11.8	0.4		33	39.0	0.8	
Rubella Congenital	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2	0.0		1	0.4	2.5	
Tetanus	0	0	0	0	0	0	0	0	0	0	1	1	1	1.0	1.0		1	3.8	0.3	
Varicella zoster (Chickenpox)	2	NN	2	1	10	1	24	22	62	66	62	685	441	354.4	1.2		2,163	1,921.0	1.1	
Varicella zoster (Shingles)	3	NN	7	1	48	6	40	45	150	187	219	1,962	1,293	949.4	1.4		5,072	3,539.0	1.4	
Varicella zoster (Unspecified)	8	NN	0	204	38	10	124	65	449	413	330	4,211	2,777	1,891.2	1.5	461.9	10,738	7,281.8	1.5	964.5
Vectorborne diseases																				
Arbovirus infection (NEC)	0	0	0	1	0	0	0	0	1	2	0	22	20	2.6	7.7	14.4	37	11.6	3.2	14.1
Barmah Forest virus infection	0	15	4	18	0	0	0	3	40	32	304	473	257	782.4	0.3		2,476	1,953.0	1.3	
Dengue virus infection	0	13	3	7	2	1	0	26	52	49	92	835	465	446.0	1.0		1,906	1,217.0	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	0.6	1.7		4	1.4	2.9	0.3
Malaria	0	4	0	2	1	0	0	4	11	8	18	122	71	86.0	0.8		358	441.0	0.8	
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	0.0		1	4.2	0.2	
Ross River virus infection	0	52	10	156	5	1	0	35	259	190	290	2,391	1,732	2,137.6	0.8		4,521	4,790.2	0.9	
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	0	0	0	0	0	0	0	1	0	7	3	5.4	0.6		20	31.8	0.6		
Leptospirosis	0	0	0	4	0	0	1	0	5	2	8	41	28	54.4	0.5		99	136.8	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	1	0	0	0	0	0	0	1	1	1	11	10	13.0	0.8		48	75.4	0.6	
Q fever	0	2	0	11	1	0	0	1	15	14	19	194	102	98.4	1.0		494	350.4	1.4	80.6
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	2	1	2	4	0	7	3	19	17	14	144	101	90.8	1.1		507	330.6	1.5	96.1
Leprosy	0	0	0	1	0	0	0	0	1	2	1	6	3	2.4	1.3		15	8.2	1.8	3.5
Meningococcal disease (invasive)	0	2	0	0	0	0	1	0	3	3	5	43	31	43.0	0.7		139	243.8	0.6	
Tuberculosis	2	10	1	5	1	0	21	3	43	34	48	458	294	301.0	1.0		1,235	1,326.0	0.9	
	136	1,922	202	2,444	583	167	1,921	1,141	8,516	7,156	8,253	84,599	55,683				229,413			

Footnotes:

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Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 16/02/2009 to 16/05/2009

Past year (365d prior surveillance period): 17/05/2013 to 16/05/2014

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

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 17/05/2012 to 16/05/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 18/05/2011 to 16/05/2012

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Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 17/05/2008 to 16/05/2009