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## MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service (PHS) staff as at 6 September 2013. Changes made to EpiSurv data after this date will not be reflected in this report. The results presented may be updated and should be regarded as provisional.

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### 1. Key notifiable disease trends

*Campylobacteriosis*: 637 cases of campylobacteriosis were notified in August 2013 compared to 531 cases notified during the same month of the previous year (Figure 1). For the 12 month period ending 31 August 2013, the highest DHB rates were in South Canterbury (293.5 per 100 000 population, 166 cases), West Coast (194.5 per 100 000 population, 64 cases), and Taranaki (191.3 per 100 000 population, 211 cases) compared to a national rate of 147.0 per 100 000 population. One finalised *Campylobacter* outbreak was reported in August (3 cases) and one interim outbreak (case numbers yet to be determined).

*Hepatitis A*: 12 cases of hepatitis A were notified in August 2013, one of these cases has since been found to not meet case criteria after further investigation. Four cases were notified in the same month of the previous year. Ethnicity was recorded for 90.9% (10/11) of the cases, all of which were in the European or Other ethnic group. The highest numbers of cases were reported from Canterbury DHB (7 cases), five of which were part of an outbreak that was first reported in April 2013. The cases ranged in age from three to 63 years with the highest numbers of cases in the 30-39 years (3 cases). Two of the cases had travelled overseas during the incubation period: One travelled to Vanuatu and the other to multiple countries including United Arab Emirates, Scotland and England. One interim Hepatitis A virus outbreak was reported in August (case numbers yet to be determined).

*Hepatitis C*: Seven cases of hepatitis C were notified in August 2013 (2 confirmed, 1 probable and 4 under investigation) compared to one case notified during the same month of the previous year. Ethnicity was recorded for all of the cases: European or Other (5 cases) and Māori (2) ethnic groups. Both of the confirmed cases had risk factors recorded which indicated a history of injecting drug use.

*Leprosy*: One case of leprosy was notified in August 2013. The case was a male in the 40-49 years age group from Hutt Valley DHB. The case was in Samoa during the incubation period. The case is still under investigation as lab results are pending.

*Measles*: One case of measles was notified in August 2013, the case has since been found to not meet case criteria after further investigation.

*Pertussis*: 279 cases of pertussis were notified in August 2013 compared to 569 cases in the same month of the previous year (Figure 2). Thirteen cases were hospitalised and no deaths were reported. There were 35 (12.5%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 41

(14.7%) cases were laboratory-confirmed by PCR. The highest number of cases were reported from Nelson Marlborough (62 cases), Canterbury (46 cases), and Counties Manukau (29 cases) DHBs. Age was recorded for 99.6% (278/279) of the cases. The cases ranged in age from one month to 92 years, with 23.0% under five years old (including 19 cases aged less than 1 year). The highest number of cases occurred in the 1-4 and 40-49 years age groups (45 cases each) followed by the 5-9 years (31 cases), and 30-39 years (25 cases) age groups. The vaccination status was recorded for 147 (52.7%) of cases. Of these, 32 were reported as not vaccinated, 10 received one dose of vaccine, four received two doses of vaccine, 67 received three or more doses (including nine who had received all five doses), and 34 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded 37.6% (76/202) attended school, pre-school or childcare, and 24.6% (28/114) had contact with a laboratory-confirmed pertussis case.

*Ross river virus infection:* One confirmed case of Ross River virus infection was notified in August 2013. The case was a male in the 30-39 years age group from Capital & Coast DHB and was in Australia during the incubation period.

## 2. Outbreaks

During August 2013, a total of 73 outbreaks (32 final and 41 interim) were created (Table 1 and Table 2). Over 60% were outbreaks of acute gastroenteritis (14 finalised and 30 interim) involving 461 cases in total. This compares with 32 acute gastroenteritis outbreaks involving 604 cases in total created during the same month of the previous year. Of the 44 acute gastroenteritis outbreaks, 20.5% (9/44) were recorded as norovirus, 4.5% (2/44) as rotavirus, 2.3% each (1/44) as *Clostridium perfringens*, *C. difficile* and sapovirus and the remaining 30 did not have a pathogen recorded. The majority of acute gastroenteritis outbreaks (36.4%, 16 outbreaks) had person-to-person mode of transmission reported. The most commonly reported setting where exposure occurred was in long term care facilities (12 outbreaks), followed by childcare centres (8 outbreaks).

**Table 1. Summary of finalised outbreaks created in EpiSurv during August 2013**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato	1	3
<i>Clostridium difficile</i>	Southern	1	3
<i>Cryptosporidium</i>	Waitemata, Auckland, Counties Manukau	6	16
<i>Escherichia coli</i> O157:H7 <sup>1</sup>	Waitemata, Auckland	2	7
Gastroenteritis	Auckland, Counties Manukau, Waikato, Bay of Plenty, Capital & Coast, Southern	6	53
<i>Giardia</i> <sup>1,2</sup>	Northland, Waitemata, Counties Manukau, Waikato, Tairāwhiti	7	26
Norovirus <sup>1</sup>	Hawke's Bay, Whanganui, Capital & Coast, Nelson Marlborough, Canterbury, South Canterbury	6	144
<i>Salmonella</i>	Auckland	1	2
<i>Salmonella</i> Typhi	Auckland	1	2
Sapovirus	Taranaki	1	9
<b>Total</b>		<b>32</b>	<b>265</b>

<sup>1</sup> Includes outbreaks reported to PHSs prior to August 20013: *E. coli* O157:H7 (1) reported in April, *Giardia* (2), and norovirus (1) reported in July.

<sup>2</sup> Includes one *Giardia* outbreak reported from Waikato DHB with an overseas transmission (Rarotonga).

**Table 2. Summary of interim outbreaks created in EpiSurv during August 2013**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> <sup>1,3</sup>	Waikato	1	-
<i>Clostridium perfringens</i>	Southern	1	6
<i>Cryptosporidium</i> <sup>4</sup>	Auckland	2	13
VTEC/STEC <sup>3</sup>	Waikato	2	-
Gastroenteritis <sup>2</sup>	Northland, Auckland, Counties Manukau, Waikato, Taranaki, MidCentral, Capital & Coast, Nelson Marlborough, Canterbury, Southern	24	180
<i>Giardia</i> <sup>2,4</sup>	Waitemata, Auckland, Waikato	4	-
Hepatitis A virus <sup>1,4</sup>	Canterbury	1	-
Influenza-like illness <sup>1</sup>	Capital & Coast	1	-
Norovirus <sup>2</sup>	West Coast, Canterbury	3	29
Rotavirus	Southern	2	37
<i>Shigella</i> <sup>1</sup>	Waikato	1	-
<b>Total</b>		<b>41</b>	<b>270</b>

<sup>1</sup> Interim outbreak(s) where total number of cases had not been completed.

<sup>2</sup> Includes interim outbreak(s) where total number of cases had not been completed.

<sup>3</sup> Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

<sup>4</sup> Includes outbreaks reported to PHSs prior to August 2013: hepatitis A virus (1) reported in April, *Cryptosporidium* (1) reported in May, and *Giardia* (1) reported in July.

### 3. Deaths from notifiable diseases

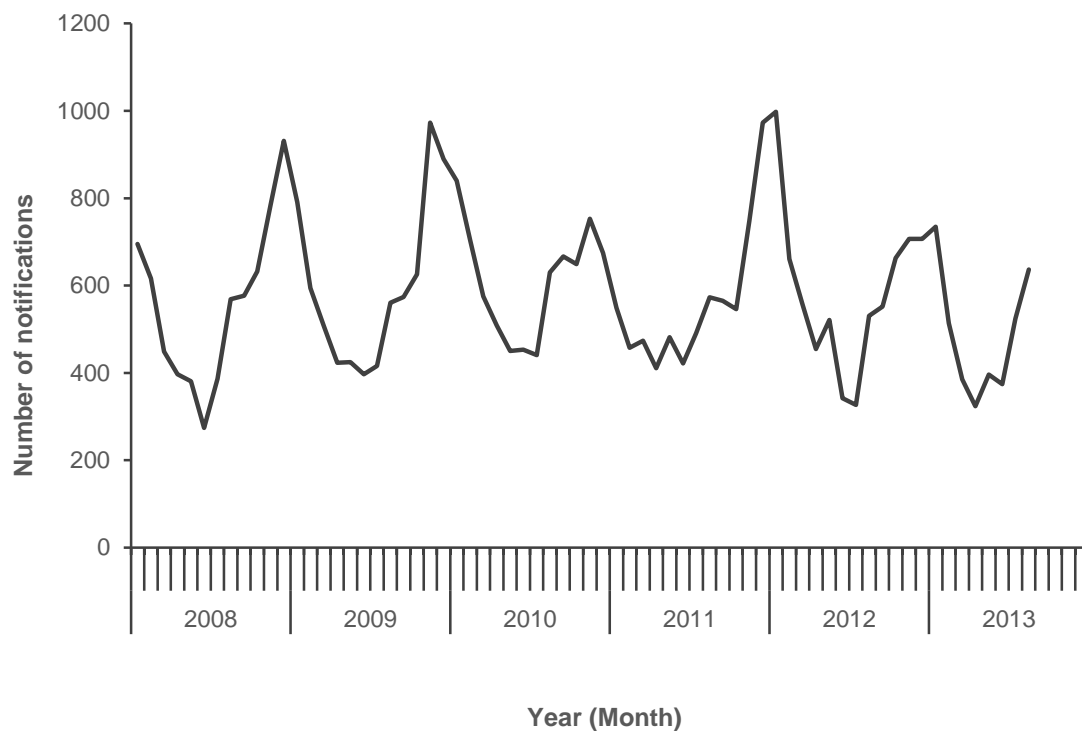
Five deaths, where the primary cause of death was a notifiable disease, were reported in August 2013 (Table 3).

**Table 3. Summary of deaths from notifiable diseases reported during August 2013**

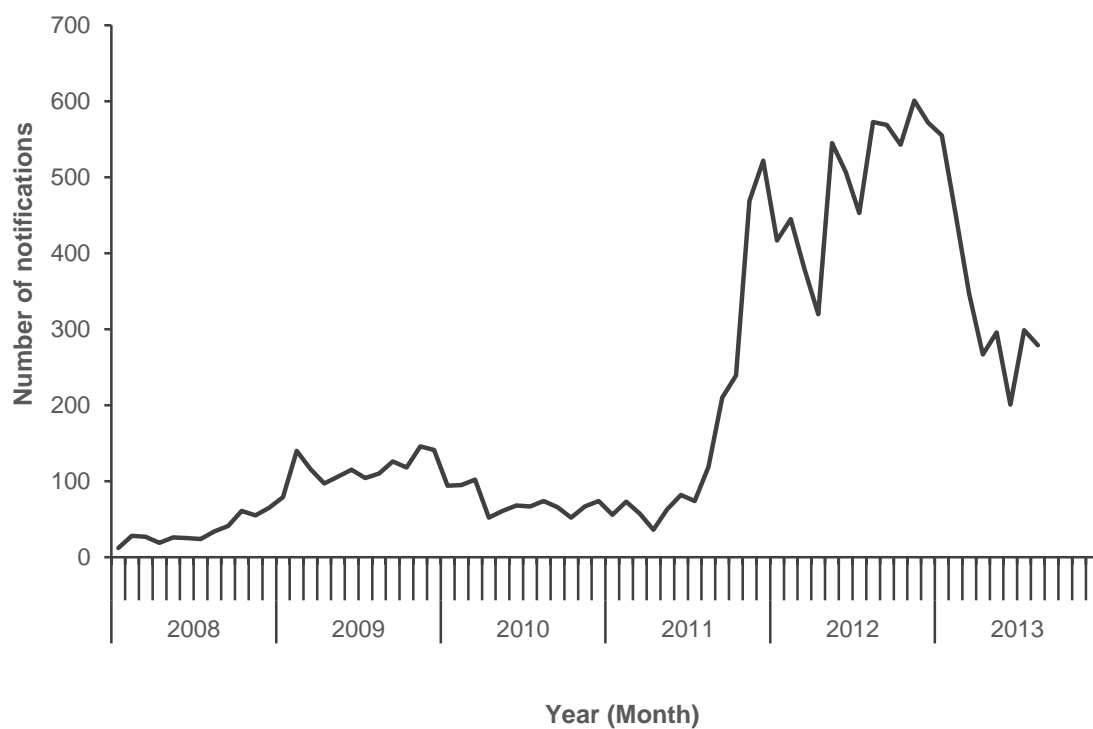
Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Hawke's Bay	70+ years
Invasive pneumococcal disease	Counties Manukau	70+ years
Listeriosis - perinatal	Taranaki	N/A
Listeriosis - perinatal	Auckland	N/A
Listeriosis	Capital and Coast	70+ years

#### 4. Trends in selected diseases to August 2013

**Figure 1: Campylobacteriosis notifications by month, January 2008 – August 2013**



**Figure 2: Pertussis notifications by month, January 2008 – August 2013**



## 5. Data tables

### National Notifiable Disease Surveillance Data August 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	August 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	August 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	637	3889	147.0	531	4387	162.8
Cryptosporidiosis	88	880	30.9	97	387	17.1
Dengue fever	9	68	2.0	6	55	1.5
Gastroenteritis <sup>3</sup>	73	367	15.9	34	397	14.2
Giardiasis	151	1179	37.5	139	1232	39.9
Haemophilus influenzae type b	2	4	0.1	0	4	0.1
Hepatitis A	12	69	1.8	4	70	1.8
Hepatitis B <sup>4</sup>	6	20	0.9	2	21	0.7
Hepatitis C <sup>4</sup>	7	35	0.9	1	24	0.8
Invasive pneumococcal disease	47	298	10.5	73	321	11.6
Lead absorption <sup>5</sup>	9	165	5.0	19	214	6.4
Legionellosis	5	83	3.1	5	93	3.6
Leptospirosis	7	51	1.8	15	79	2.3
Listeriosis	3	15	0.6	2	14	0.5
Malaria	6	35	1.1	4	24	0.9
Measles	1	2	0.0	0	68	10.4
Meningococcal disease	6	48	1.8	17	55	2.2
Mumps	2	19	0.7	4	16	0.6
Paratyphoid fever	2	19	0.5	3	17	0.5
Pertussis	279	2698	112.0	569	3632	114.4
Rheumatic fever	27	123	3.4	15	161	4.8
Rickettsial disease	0	5	0.1	1	3	0.1
Rubella	1	2	0.1	0	3	0.1
Salmonellosis	90	763	25.4	84	717	22.7
Shigellosis	6	105	3.1	5	100	3.1
Tuberculosis disease	19	185	6.5	25	189	6.4
Typhoid fever	1	39	1.2	4	28	0.9
VTEC/STEC infection	18	172	4.9	14	101	2.8
Yersiniosis	42	289	10.5	44	339	11.4

<sup>1</sup> These data are provisional

<sup>2</sup> Rate is based on the cumulative total for the current year (12 months up to and including August 2013) or the previous year (12 months up to and including August 2012), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

<sup>5</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

Other notifiable infectious disease reported in August: Hazardous substances injury (4), Leprosy (1), Ross River virus infection (1)

## Notifiable Disease Surveillance Data by District Health Board August 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 2013 by District Health Board <sup>3</sup>																			
		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Disease	Cases	35	60	69	48	94	21	31	11	33	36	12	19	11	42	6	7	2	51	14	35
	Rate	133.3	132.9	121.2	95.1	188.2	158.1	123.5	151.7	191.3	184.0	177.6	144.8	111.6	137.6	155.1	153.5	194.5	169.2	293.5	180.6
Cryptosporidiosis	Cases	3	10	13	10	12	3	4	0	2	0	0	7	0	3	0	0	3	11	6	1
	Rate	17.1	19.0	17.1	11.8	68.6	65.0	19.8	6.4	47.1	95.9	27.2	26.0	27.0	36.0	39.4	14.2	33.4	26.6	88.4	30.9
Dengue fever	Cases	0	0	5	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0
	Rate	1.3	2.5	6.5	2.0	0.3	1.9	2.8	2.1	0.9	0.6	0.0	0.6	1.4	3.0	2.5	1.4	0.0	0.6	1.8	0.6
Gastroenteritis	Cases	1	7	8	4	4	1	5	0	2	0	1	4	15	13	0	1	0	4	0	3
	Rate	2.5	13.2	22.3	9.6	10.0	14.5	12.3	6.4	6.3	0.6	22.4	72.7	52.7	31.0	22.2	10.7	12.2	6.8	0.0	6.5
Giardiasis	Cases	4	15	14	15	19	7	7	3	4	3	0	8	3	18	2	6	1	15	1	6
	Rate	27.2	28.0	45.4	35.6	45.9	63.0	40.5	19.2	41.7	37.3	16.0	16.0	27.0	52.8	41.8	46.2	33.4	36.6	28.3	36.7
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Hepatitis A	Cases	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	7	0	2
	Rate	0.6	1.6	0.6	2.0	0.3	0.0	0.9	2.1	0.9	1.9	1.6	0.6	0.0	1.0	0.0	0.7	0.0	8.0	1.8	1.0
Hepatitis B	Cases	0	0	0	1	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	0.4	0.6	1.2	1.4	1.0	1.4	2.1	0.0	0.0	1.6	0.0	0.7	0.7	0.0	0.7	3.0	1.8	0.0	0.6
Hepatitis C	Cases	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	4
	Rate	0.6	0.0	0.4	0.0	0.3	0.0	0.0	0.0	4.5	0.0	0.0	0.0	1.4	0.7	0.0	2.8	0.0	2.8	0.0	3.6
Invasive pneumococcal	Cases	0	5	2	7	3	5	5	0	1	2	3	0	1	3	1	1	1	3	1	3
	Rate	13.3	8.1	6.3	13.0	10.0	20.4	16.5	12.8	12.7	15.4	16.0	5.3	4.9	8.4	22.2	12.1	15.2	8.0	17.7	11.7
Lead absorption <sup>4</sup>	Cases	0	1	0	2	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1
	Rate	3.2	5.2	8.0	5.3	2.7	5.8	7.5	6.4	2.7	3.9	6.4	11.8	2.8	2.7	19.7	2.8	6.1	2.8	5.3	4.5
Legionellosis	Cases	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	3.8	2.7	3.0	3.7	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.0	0.0	0.7	3.0	9.8	3.5	3.6
Leptospirosis	Cases	0	1	0	0	0	1	1	0	1	2	0	1	0	0	0	0	0	0	0	0
	Rate	1.9	0.2	0.4	0.4	3.5	1.0	4.7	0.0	4.5	6.4	6.4	3.0	0.0	0.0	4.9	2.1	9.1	1.2	7.1	1.9
Listeriosis	Cases	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.0	0.7	0.6	0.8	0.3	0.0	2.4	0.0	1.8	0.0	0.0	0.6	0.0	0.7	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	0.6	1.6	2.6	1.2	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.4	0.0	0.0
Measles	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease	Cases	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	3.2	1.1	1.5	1.6	1.1	7.8	1.9	2.1	2.7	0.6	3.2	1.2	1.4	1.3	0.0	1.4	0.0	2.2	1.8	2.3
Mumps	Cases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	0.5	0.9	0.2	0.3	1.0	0.9	2.1	0.0	0.0	0.0	0.0	0.7	0.3	2.5	1.4	0.0	0.8	1.8	0.3
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.2	1.8	0.6
Pertussis	Cases	17	25	11	29	13	0	1	3	2	6	5	3	2	23	4	62	10	46	1	16
	Rate	99.2	53.6	60.8	56.1	118.0	54.3	99.9	203.0	134.2	35.4	174.4	128.2	149.0	135.6	292.9	375.3	203.6	174.0	123.8	111.4
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rheumatic fever	Cases	3	1	2	8	3	0	6	1	0	0	0	0	1	0	0	0	0	2	0	0
	Rate	10.7	1.4	3.2	9.1	5.4	5.8	5.2	10.7	0.9	0.6	1.6	0.6	4.2	2.4	0.0	0.0	0.0	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	7	8	8	5	12	2	5	2	1	1	1	2	1	3	0	5	1	15	1	10
	Rate	25.9	19.0	28.1	15.4	22.7	20.4	21.7	23.5	26.3	23.8	17.6	18.3	17.3	15.8	22.2	46.2	39.5	28.0	40.7	58.8
Shigellosis	Cases	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0
	Rate	3.2	3.8	6.5	7.9	1.1	1.0	0.5	0.0	2.7	0.6	0.0	0.0	2.8	2.4	0.0	1.4	0.0	1.4	0.0	3.6
Tuberculosis disease	Cases	0	2	5	3	1	0	0	0	2	0	0	2	2	1	0	1	0	0	0	0
	Rate	3.2	6.0	12.1	8.7	5.7	5.8	4.7	4.3	8.2	5.8	1.6	8.9	9.7	9.4	2.5	6.4	3.0	3.8	1.8	1.6
Typhoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.0	0.9	2.8	4.3	0.3	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.8	0.0	0.3
VTEC/STEC infection	Cases	1	2	2	1	4	0	3	0	1	0	0	0	0	0	0	0	0	3	1	0
	Rate	7.6	5.4	4.3	5.1	13.0	2.9	5.2	2.1	6.3	0.6	0.0	1.2	0.7	1.3	2.5	2.8	9.1	5.4	7.1	4.2
Yersiniosis	Cases	0	5	4	3	1	2	1	0	1	0	1	1	3	4	0	1	0	14	0	1
	Rate	5.7	8.3	11.7	9.3	7.6	19.4	14.6	8.5	14.5	7.1	3.2	4.1	13.9	17.8	4.9	2.8	3.0	16.4	23.0	4.5

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including August 2013 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

# Notifiable Disease Surveillance Data by District Health Board August 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 2013 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawkes Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	35	60	69	48	94	21	31	11	33	36	12	19	11	42	6	7	2	51	14	35
	Rate	133.3	132.9	121.2	95.1	188.2	158.1	123.5	151.7	191.3	184.0	177.6	144.8	111.6	137.6	155.1	153.5	194.5	169.2	293.5	180.6
Cryptosporidiosis	Cases	3	10	13	10	12	3	4	0	2	0	0	7	0	3	0	0	3	11	6	1
	Rate	17.1	19.0	17.1	11.8	68.6	65.0	19.8	6.4	47.1	95.9	27.2	26.0	27.0	36.0	39.4	14.2	33.4	26.6	88.4	30.9
Dengue fever	Cases	0	0	5	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0	0
	Rate	1.3	2.5	6.5	2.0	0.3	1.9	2.8	2.1	0.9	0.6	0.0	0.6	1.4	3.0	2.5	1.4	0.0	0.6	1.8	0.6
Gastroenteritis	Cases	1	7	8	4	4	1	5	0	2	0	1	4	15	13	0	1	0	4	0	3
	Rate	2.5	13.2	22.3	9.6	10.0	14.5	12.3	6.4	6.3	0.6	22.4	72.7	52.7	31.0	22.2	10.7	12.2	6.8	0.0	6.5
Giardiasis	Cases	4	15	14	15	19	7	7	3	4	3	0	8	3	18	2	6	1	15	1	6
	Rate	27.2	28.0	45.4	35.6	45.9	63.0	40.5	19.2	41.7	37.3	16.0	16.0	27.0	52.8	41.8	46.2	33.4	36.6	28.3	36.7
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Hepatitis A	Cases	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	7	0	2
	Rate	0.6	1.6	0.6	2.0	0.3	0.0	0.9	2.1	0.9	1.9	1.6	0.6	0.0	1.0	0.0	0.7	0.0	8.0	1.8	1.0
Hepatitis B	Cases	0	0	0	1	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	0.4	0.6	1.2	1.4	1.0	1.4	2.1	0.0	0.0	1.6	0.0	0.7	0.7	0.0	0.7	3.0	1.8	0.0	0.6
Hepatitis C	Cases	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	4
	Rate	0.6	0.0	0.4	0.0	0.3	0.0	0.0	0.0	4.5	0.0	0.0	0.0	1.4	0.7	0.0	2.8	0.0	2.8	0.0	3.6
Invasive pneumococcal disease	Cases	0	5	2	7	3	5	5	0	1	2	3	0	1	3	1	1	1	3	1	3
	Rate	13.3	8.1	6.3	13.0	10.0	20.4	16.5	12.8	12.7	15.4	16.0	5.3	4.9	8.4	22.2	12.1	15.2	8.0	17.7	11.7
Lead absorption <sup>4</sup>	Cases	0	1	0	2	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1
	Rate	3.2	5.2	8.0	5.3	2.7	5.8	7.5	6.4	2.7	3.9	6.4	11.8	2.8	2.7	19.7	2.8	6.1	2.8	5.3	4.5
Legionellosis	Cases	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	3.8	2.7	3.0	3.7	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.0	0.0	0.7	3.0	9.8	3.5	3.6
Leptospirosis	Cases	0	1	0	0	0	1	1	0	1	2	0	1	0	0	0	0	0	0	0	0
	Rate	1.9	0.2	0.4	0.4	3.5	1.0	4.7	0.0	4.5	6.4	6.4	3.0	0.0	0.0	4.9	2.1	9.1	1.2	7.1	1.9
Listeriosis	Cases	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.0	0.7	0.6	0.8	0.3	0.0	2.4	0.0	1.8	0.0	0.0	0.6	0.0	0.7	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	0.6	1.6	2.6	1.2	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.4	0.0	0.0
Measles	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease	Cases	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	3.2	1.1	1.5	1.6	1.1	7.8	1.9	2.1	2.7	0.6	3.2	1.2	1.4	1.3	0.0	1.4	0.0	2.2	1.8	2.3
Mumps	Cases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	0.5	0.9	0.2	0.3	1.0	0.9	2.1	0.0	0.0	0.0	0.0	0.7	0.3	2.5	1.4	0.0	0.8	1.8	0.3
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.2	1.8	0.6
Pertussis	Cases	17	25	11	29	13	0	1	3	2	6	5	3	2	23	4	62	10	46	1	16
	Rate	99.2	53.6	60.8	56.1	118.0	54.3	99.9	203.0	134.2	35.4	174.4	128.2	149.0	135.6	292.9	375.3	203.6	174.0	123.8	111.4
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rheumatic fever	Cases	3	1	2	8	3	0	6	1	0	0	0	0	1	0	0	0	0	2	0	0
	Rate	10.7	1.4	3.2	9.1	5.4	5.8	5.2	10.7	0.9	0.6	1.6	0.6	4.2	2.4	0.0	0.0	0.0	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.0	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	7	8	8	5	12	2	5	2	1	1	1	2	1	3	0	5	1	15	1	10
	Rate	25.9	19.0	28.1	15.4	22.7	20.4	21.7	23.5	26.3	23.8	17.6	18.3	17.3	15.8	22.2	46.2	39.5	28.0	40.7	58.8
Shigellosis	Cases	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0
	Rate	3.2	3.8	6.5	7.9	1.1	1.0	0.5	0.0	2.7	0.6	0.0	0.0	2.8	2.4	0.0	1.4	0.0	1.4	0.0	3.6
Tuberculosis disease	Cases	0	2	5	3	1	0	0	0	2	0	0	2	2	1	0	1	0	0	0	0
	Rate	3.2	6.0	12.1	8.7	5.7	5.8	4.7	4.3	8.2	5.8	1.6	8.9	9.7	9.4	2.5	6.4	3.0	3.8	1.8	1.6
Typhoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.0	0.9	2.8	4.3	0.3	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.8	0.0	0.3
VTEC/STEC infection	Cases	1	2	2	1	4	0	3	0	1	0	0	0	0	0	0	0	0	3	1	0
	Rate	7.6	5.4	4.3	5.1	13.0	2.9	5.2	2.1	6.3	0.6	0.0	1.2	0.7	1.3	2.5	2.8	9.1	5.4	7.1	4.2
Yersiniosis	Cases	0	5	4	3	1	2	1	0	1	0	0	1	3	4	0	1	0	14	0	1
	Rate	5.7	8.3	11.7	9.3	7.6	19.4	14.6	8.5	14.5	7.1	3.2	4.1	13.9	17.8	4.9	2.8	3.0	16.4	23.0	4.5

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including August 2013 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

# National Notifiable Disease Surveillance Data August 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	August 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	August 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	637	3889	147.0	531	4387	162.8
Cryptosporidiosis	88	880	30.9	97	387	17.1
Dengue fever	9	68	2.0	6	55	1.5
Gastroenteritis <sup>3</sup>	73	367	15.9	34	397	14.2
Giardiasis	151	1179	37.5	139	1232	39.9
Haemophilus influenzae type b	2	4	0.1	0	4	0.1
Hepatitis A	12	69	1.8	4	70	1.8
Hepatitis B <sup>4</sup>	6	20	0.9	2	21	0.7
Hepatitis C <sup>4</sup>	7	35	0.9	1	24	0.8
Invasive pneumococcal disease	47	298	10.5	73	321	11.6
Lead absorption <sup>5</sup>	9	165	5.0	19	214	6.4
Legionellosis	5	83	3.1	5	93	3.6
Leptospirosis	7	51	1.8	15	79	2.3
Listeriosis	3	15	0.6	2	14	0.5
Malaria	6	35	1.1	4	24	0.9
Measles	1	2	0.0	0	68	10.4
Meningococcal disease	6	48	1.8	17	55	2.2
Mumps	2	19	0.7	4	16	0.6
Paratyphoid fever	2	19	0.5	3	17	0.5
Pertussis	279	2698	112.0	569	3632	114.4
Rheumatic fever	27	123	3.4	15	161	4.8
Rickettsial disease	0	5	0.1	1	3	0.1
Rubella	1	2	0.1	0	3	0.1
Salmonellosis	90	763	25.4	84	717	22.7
Shigellosis	6	105	3.1	5	100	3.1
Tuberculosis disease	19	185	6.5	25	189	6.4
Typhoid fever	1	39	1.2	4	28	0.9
VTEC/STEC infection	18	172	4.9	14	101	2.8
Yersiniosis	42	289	10.5	44	339	11.4

<sup>1</sup> These data are provisional

<sup>2</sup> Rate is based on the cumulative total for the current year (12 months up to and including August 2013) or the previous year (12 months up to and including August 2012), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

<sup>5</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

Other notifiable infectious disease reported in August: Hazardous substances injury (4), Leprosy (1), Ross River virus infection (1)



# National Notifiable Disease Surveillance Data – Monthly totals for August 2013 and preceding 12 Months<sup>1</sup>

Disease	Aug 2013	Jul 2013	Jun 2013	May 2013	Apr 2013	Mar 2013	Feb 2013	Jan 2013	Dec 2012	Nov 2012	Oct 2012	Sep 2012
Campylobacteriosis	637	524	374	396	324	385	514	735	707	707	663	552
Cryptosporidiosis	88	78	67	133	128	187	119	80	30	96	191	173
Dengue fever	9	11	3	14	6	6	6	13	3	4	4	10
Gastroenteritis <sup>2</sup>	73	56	28	37	36	42	39	56	50	146	90	52
Giardiasis	151	136	138	161	163	134	148	148	113	137	130	102
Haemophilus influenzae type b	2	0	0	1	0	0	1	0	0	0	0	0
Hepatitis A	12	12	8	3	18	2	11	3	2	3	2	5
Hepatitis B <sup>3</sup>	6	3	3	2	1	2	0	3	4	4	6	4
Hepatitis C <sup>3</sup>	7	10	2	2	2	6	3	3	4	2	0	1
Invasive pneumococcal disease	47	69	41	34	30	28	22	27	26	34	42	66
Lead absorption <sup>4</sup>	9	20	26	13	25	33	12	27	11	13	13	21
Legionellosis	5	13	6	8	9	11	13	18	19	22	6	9
Leptospirosis	7	8	6	10	6	4	3	7	7	6	8	8
Listeriosis	3	1	0	1	0	2	4	4	3	2	2	4
Malaria	6	3	5	2	4	1	7	7	6	4	1	3
Measles	1	0	0	0	0	1	0	0	0	0	0	0
Meningococcal disease	6	14	4	4	7	6	2	5	4	4	15	7
Mumps	2	0	2	2	5	2	3	3	2	2	2	4
Paratyphoid fever	2	2	0	5	2	2	4	2	0	3	1	1
Pertussis	279	299	201	296	267	347	454	555	570	601	537	559
Rheumatic fever	27	11	9	20	19	17	14	6	7	5	4	11
Rickettsial disease	0	1	1	1	0	1	1	0	0	1	0	0
Rubella	1	0	1	0	0	0	0	0	0	0	1	0
Salmonellosis	90	71	53	90	108	97	103	151	88	102	91	83
Shigellosis	6	13	15	9	15	15	14	18	6	9	9	8
Tuberculosis disease	19	28	23	28	17	22	18	30	17	32	36	19
Typhoid fever	1	2	5	0	3	3	12	13	4	7	4	1
VTEC/STEC infection	18	4	13	32	45	27	13	20	16	9	12	9
Yersiniosis	42	49	26	28	32	42	28	42	36	47	47	45

<sup>1</sup> These data are provisional

<sup>2</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>3</sup> Only acute cases of this disease are currently notifiable

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.