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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 12 December 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

*Chikungunya fever:* One probable case of Chikungunya fever was notified in November 2013. The case was a female in the 40-49 years age group from Bay of Plenty DHB and was in Indonesia during the incubation period.

*Cryptosporidiosis:* 86 cases of cryptosporidiosis were notified in November 2013 compared to 96 cases notified during the same month of the previous year (Figure 1). The cases ranged in age from 10 months to 75 years, with the highest number of cases in the 1-4 years age group (30 cases) followed by those in the 30-39 years (13 cases), and 5-9 years and 20-29 years (10 cases each) age groups. The highest numbers of cases were reported from Canterbury (24 cases), and Waitemata and Southern (10 cases each) DHBs. Among the cases where risk factor information was recorded, 62.2% (23/37) had contact with farm animals, 37.5% (12/32) had consumed untreated water, 32.3% (10/31) had consumed food from a food premises and 31.3% (10/32) had contact with faecal matter. Five finalised *Cryptosporidium* outbreaks were reported in November (13 cases).

*Dengue fever:* 11 cases of dengue fever were notified in November 2013 compared to four cases notified during the same month of the previous year. All of the cases had travelled overseas during the incubation period except for one case where overseas information is not yet available. The countries visited were India (4 cases), Indonesia (2 cases), and Eritrea, Malaysia, Myanmar, Papua New Guinea, Philippines and Thailand (1 case each). Some cases visited more than one country.

*Hepatitis NOS:* One case of hepatitis NOS was notified in November 2013, the case has since been found to not meet case criteria after further investigation.

*Hydatid disease:* One confirmed case of hydatid disease was notified in November 2013. The case was a female in the 50-59 years age group from Nelson Marlborough DHB and was in Romania during the incubation period. *Echinococcus granulosus* is endemic in Romania.

*Leprosy:* Five cases of leprosy were notified in November 2013. The cases ranged in age from 3 to 29 years and occurred in the following age groups: 10-14 years (2 cases) and 1-4 years, 5-9 years, and 20-29 years (1 case each) age groups. The cases were from the following DHBs: MidCentral (3 cases), and Waitemata and

Hutt Valley (1 case each). The clinical form of leprosy was recorded as tuberculoid (4 cases) and borderline (1 case). Four cases had contact with a laboratory confirmed case (4 cases). Three cases travelled overseas to Kiribati (2 cases) or Timor-Leste (1 case). Some cases had more than one risk factor recorded. Two finalised *Mycobacterium leprae* outbreaks were reported in November 2013 (6 cases).

*Leptospirosis*: 13 cases of leptospirosis were notified in November 2013 (8 confirmed, 1 probable, 4 under investigation) compared to six cases notified in the same month of the previous year. The following section relates to the eight confirmed cases only. These cases were reported from Hawke's Bay (3 cases), MidCentral (2 cases), and Taranaki, Wairarapa and South Canterbury (1 case each) DHBs. High risk occupations were recorded for eight cases: meat workers or butchers (4 cases), farmers or farm workers (3 cases), and possum trapper (1). *Leptospira* species and serovars were recorded for six cases: *Leptospira borgpetersenii* sv Hardjo (4 cases), and *L. borgpetersenii* sv Ballum and *L. interrogans* sv Pomona (1 case each).

*Ross River virus infection*: Two cases of Ross River virus infection were notified in November 2013. Both cases are still under investigation as further test results are pending. The cases travelled to Australia during the incubation period.

*Toxic shellfish poisoning*: One case of toxic shellfish poisoning was notified in November 2013. The case is still under investigation as further information is pending.

*Yersiniosis*: 63 cases of yersiniosis were notified in November 2013, three of these cases have since been found to not meet case criteria after further investigation. 47 cases were notified during the same month of the previous year (Figure 2). The highest number of cases was reported from Canterbury DHB (18 cases). Cases occurred in all age groups, with the highest numbers reported in the 70+ years (13 cases) and the 1-4 years (8 cases) age groups. Two cases were hospitalised. The biotype involved was identified in 53 (86.9%) of the cases: *Yersinia enterocolitica* biotype 1A (21 cases), *Y. enterocolitica* biotype 2 (13 cases), *Y. enterocolitica* biotype 3 and *Y. enterocolitica* biotype 4 (9 cases each) and *Y. pseudotuberculosis* (1 case). Among the cases where risk factor information was recorded, 44.0% (11/25) had consumed food from a food premises, 33.3% (8/24) had consumed untreated water, 22.2% (6/27) had contact with recreational water and 22.2% (6/27) had contact with faecal matter.

## 2. Outbreaks

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> <sup>1,2</sup>	MidCentral	2	4
<i>Cryptosporidium</i>	Waitemata, Waikato	5	13
Gastroenteritis <sup>2</sup>	Auckland, Waikato, Hutt Valley, Capital & Coast, Southern	6	25
<i>Giardia</i> <sup>1, 2</sup>	Waitemata, Auckland, MidCentral	4	9
<i>Mycobacterium leprae</i>	Hutt Valley	2	6
<i>Mycoplasma pneumonia</i>	Capital & Coast	1	2
Norovirus <sup>3</sup>	Counties Manukau, Taranaki, Hawke's Bay, Nelson Marlborough	4	89
Rotavirus <sup>2</sup>	Taranaki, Capital & Coast	3	39
<i>Salmonella</i> <sup>2,3</sup>	Waitemata	1	2
<b>Total</b>		<b>27</b>	<b>187</b>

<sup>1</sup> Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

<sup>2</sup> Includes outbreaks reported to PHSs prior to November 2013: gastroenteritis (1) reported in August, *Campylobacter* (2), *Giardia*, *Salmonella*, and rotavirus (1 each) reported in October.

<sup>3</sup> Includes two outbreaks with an overseas transmission: norovirus reported from Counties Manukau DHB (Rarotonga) and *Salmonella* reported from Waitemata DHB (Indonesia).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i> <sup>1</sup>	Hutt Valley	1	-
<i>Campylobacter</i> <sup>1</sup>	Waikato	1	-
Gastroenteritis <sup>2,3</sup>	Auckland, Counties Manukau, Tairāwhiti, Hutt Valley, Wairarapa, Nelson Marlborough, Canterbury, Southern	12	27
<i>Giardia</i> <sup>3</sup>	Auckland, Southern	2	9
Norovirus <sup>2</sup>	Bay of Plenty, Tairāwhiti, Southern	3	16
Rotavirus	Whanganui, Southern	3	16
Sapovirus <sup>1</sup>	Tairāwhiti	1	-
<b>Total</b>		<b>23</b>	<b>68</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> Includes outbreaks reported to PHSs prior to November 2013: *Giardia* (1) reported in September and gastroenteritis (1) reported in October.

### 3. Deaths from notifiable diseases

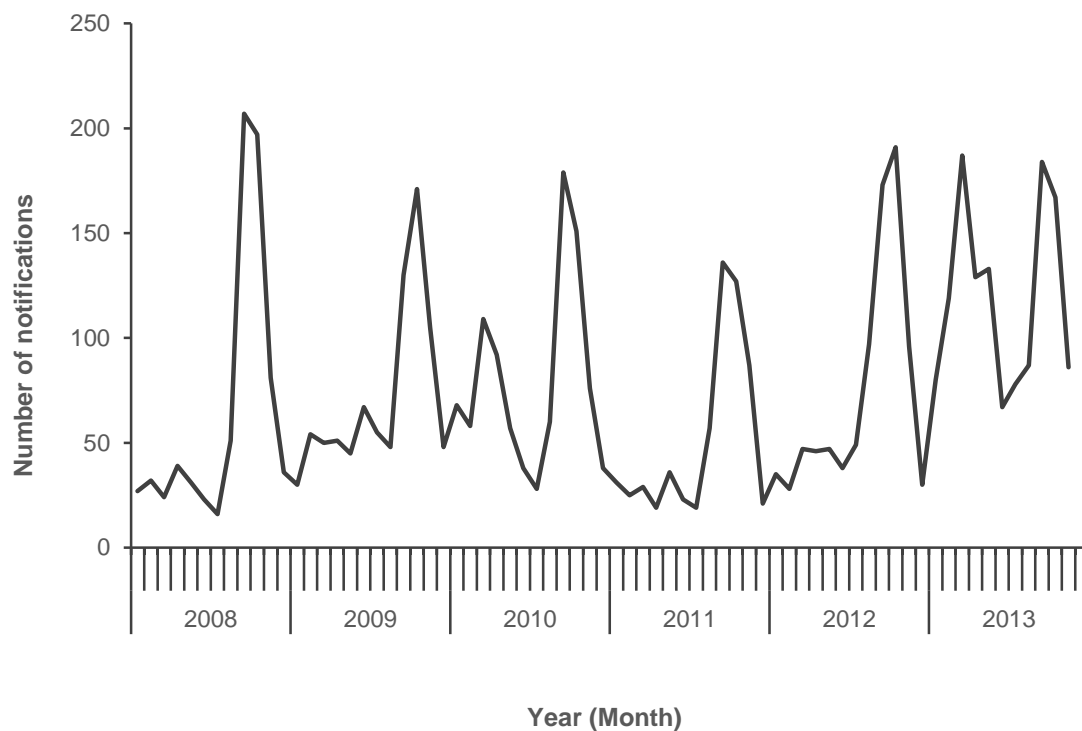
Three deaths, where the primary cause of death was a notifiable disease, were reported in November 2013 (Table 3).

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

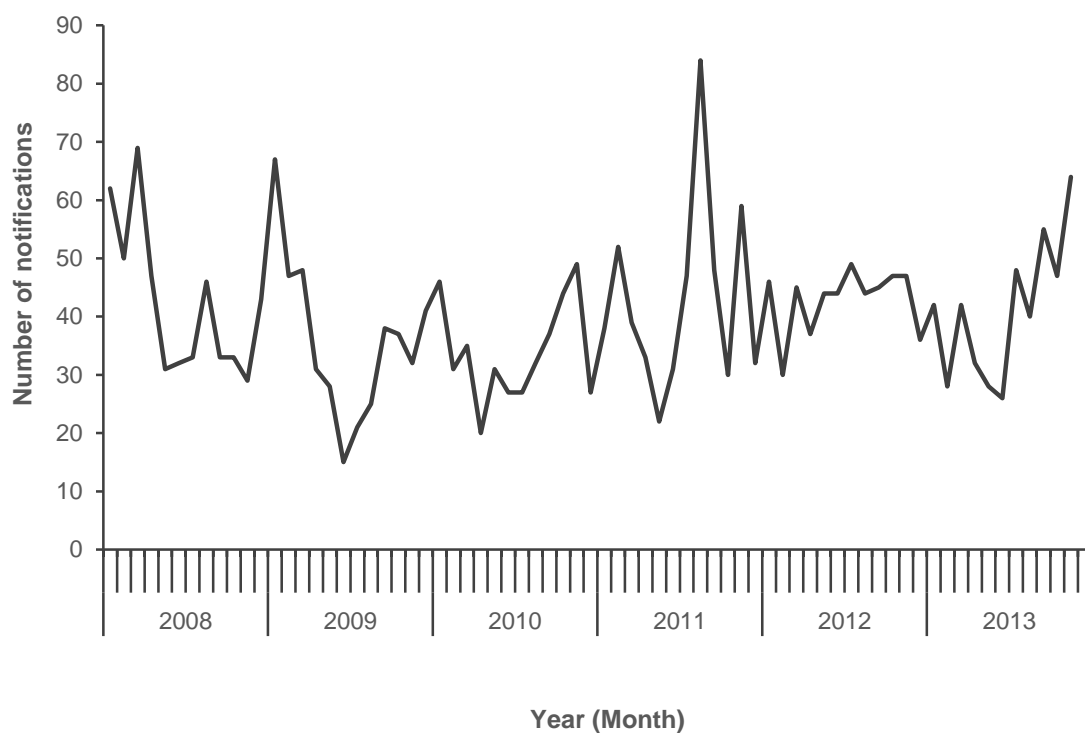
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Invasive pneumococcal disease	Auckland	60-69
Invasive pneumococcal disease	MidCentral	50-59
Tuberculosis disease – new case	Waikato	70+

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

**Figure 1: Cryptosporidiosis notifications by month, January 2008 – November 2013**



**Figure 2: Yersiniosis notifications by month, January 2008 – November 2013**



## 5. Data tables

### National Notifiable Disease Surveillance Data November 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	November 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	November 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	733	5943	150.0	707	6309	164.2
Cryptosporidiosis	86	1317	30.4	96	847	19.6
Dengue fever	11	99	2.3	4	73	1.7
Gastroenteritis <sup>3</sup>	52	517	12.8	146	685	16.7
Giardiasis	106	1583	38.3	137	1601	39.0
Haemophilus influenzae type b	2	5	0.1	0	4	0.1
Hepatitis A	2	90	2.1	3	80	1.8
Hepatitis B <sup>4</sup>	0	25	0.7	4	35	0.8
Hepatitis C <sup>4</sup>	2	39	1.0	2	27	0.7
Invasive pneumococcal disease	34	446	10.6	34	463	11.1
Legionellosis	22	137	3.5	22	131	3.5
Leptospirosis	13	70	1.7	6	101	2.4
Listeriosis	0	18	0.5	2	22	0.6
Malaria	4	45	1.2	4	32	0.8
Measles	0	2	0.0	0	68	3.3
Meningococcal disease	2	66	1.6	4	81	1.9
Mumps	2	25	0.6	2	24	0.6
Paratyphoid fever	2	25	0.6	3	22	0.5
Pertussis	214	3390	89.3	601	5329	132.0
Rheumatic fever	16	179	4.2	5	178	4.4
Rickettsial disease	2	9	0.2	1	4	0.1
Rubella	0	3	0.1	0	4	0.1
Salmonellosis	94	1046	25.6	102	993	24.2
Shigellosis	4	128	3.0	9	126	3.0
Tuberculosis disease	23	258	6.2	32	276	7.0
Typhoid fever	3	45	1.1	7	40	1.0
VTEC/STEC infection	11	208	5.1	9	131	3.0
Yersiniosis	64	452	11.0	47	478	11.5

<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 November 2013) or the previous year (12 months up to and including November 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

Other notifiable infectious disease reported in November: Chikungunya fever (1), Decompression sickness (1), Hepatitis NOS (1), Hydatid disease (1), Leprosy (5), Ross River virus infection (2), Toxic shellfish poisoning (1)

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

		Cases <sup>1</sup> and current rate <sup>2</sup> for November 2013 by District Health Board <sup>3</sup>																			
Disease		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
Campylobacteriosis	Cases	19	92	63	56	84	18	24	6	29	46	7	27	24	56	7	16	9	80	9	61
	Rate	132.7	140.4	126.4	103.5	207.1	173.6	127.8	153.8	204.0	202.1	152.0	151.9	107.4	140.3	162.4	132.9	212.8	154.8	274.1	178.0
Cryptosporidiosis	Cases	5	10	5	2	9	0	0	0	4	2	1	3	1	3	1	1	1	24	4	10
	Rate	18.3	21.5	18.8	11.4	58.3	60.1	17.0	4.3	37.2	87.5	32.0	27.2	27.0	36.0	32.0	12.1	24.3	37.8	63.7	27.9
Dengue fever	Cases	1	1	4	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	1.9	3.3	7.4	2.2	0.0	3.9	2.4	0.0	0.9	0.6	1.6	0.0	1.4	3.0	2.5	1.4	0.0	1.6	1.8	0.3
Gastroenteritis	Cases	1	6	5	3	4	1	2	0	1	0	4	6	8	6	0	0	0	3	0	2
	Rate	2.5	13.0	13.8	7.3	8.9	6.8	9.0	0.0	8.2	0.6	38.4	42.0	52.0	30.6	19.7	4.3	27.4	4.2	0.0	5.2
Giardiasis	Cases	4	13	12	13	11	3	6	2	3	4	0	2	2	9	0	1	1	10	3	7
	Rate	26.5	30.3	40.0	37.0	45.9	60.1	43.8	19.2	43.5	43.8	17.6	18.9	24.9	53.2	41.8	51.9	30.4	37.4	23.0	40.9
Haemophilus influenzae type b	Cases	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	2.5	1.1	1.3	1.8	0.0	0.0	0.9	2.1	0.0	4.5	1.6	0.6	0.0	1.0	0.0	0.7	0.0	9.4	1.8	1.0
Hepatitis B	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.9	1.0	1.4	0.0	1.4	0.0	0.0	1.6	0.0	0.7	0.0	0.0	0.0	0.7	3.0	0.8	0.0	0.6
Hepatitis C	Cases	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.9	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	2.1	0.3	0.0	2.8	0.0	3.0	1.8	3.2
Invasive pneumococcal	Cases	0	5	6	2	1	4	0	0	0	3	1	3	1	3	0	0	1	4	0	0
	Rate	13.9	9.2	7.1	11.0	10.8	26.2	17.0	12.8	8.2	16.7	16.0	8.9	6.9	9.8	17.2	8.5	18.2	8.2	14.1	9.1
Legionellosis	Cases	0	6	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	12	0	0
	Rate	3.2	4.5	2.6	3.7	1.1	0.0	2.4	0.0	0.9	1.3	1.6	4.1	1.4	0.3	0.0	0.7	6.1	11.2	3.5	3.6
Leptospirosis	Cases	0	0	0	0	0	0	0	0	2	7	0	2	0	0	1	0	0	0	1	0
	Rate	1.9	0.2	0.2	0.4	1.9	1.0	4.7	0.0	4.5	9.7	3.2	3.5	0.0	0.0	4.9	1.4	6.1	1.4	8.8	1.9
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.9	0.4	0.0	0.0	2.4	0.0	1.8	0.0	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	0.0	0.0
Malaria	Cases	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	Rate	0.6	1.6	2.2	1.6	0.5	0.0	0.5	0.0	0.0	1.9	1.6	3.5	0.7	0.7	0.0	0.7	0.0	1.2	0.0	0.0
Measles	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	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Meningococcal disease	Cases	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	2.5	1.3	1.3	2.4	1.1	3.9	0.9	2.1	2.7	1.9	1.6	1.2	1.4	1.0	0.0	0.0	0.0	1.6	1.8	2.3
Mumps	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	0.7	0.9	0.2	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.7	0.3	2.5	2.8	0.0	0.2	1.8	0.3
Paratyphoid fever	Cases	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.4	1.8	0.6
Pertussis	Cases	3	17	8	39	12	0	10	0	4	1	0	0	14	12	0	38	7	39	2	8
	Rate	97.9	50.9	52.6	56.9	93.4	31.0	80.1	128.2	78.9	26.4	89.6	79.2	102.6	87.1	162.4	353.9	249.2	129.9	104.3	98.4
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	1	0	3	6	4	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	13.9	1.4	4.3	10.8	6.5	6.8	6.6	12.8	0.9	1.3	1.6	0.6	6.9	3.0	0.0	0.0	0.0	1.0	0.0	0.3
Rickettsial disease	Cases	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.2	0.2	0.5	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	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	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	4	13	8	7	8	2	10	1	0	0	0	3	3	3	2	6	0	4	3	17
	Rate	27.2	20.4	28.6	15.5	23.2	19.4	25.5	32.1	20.8	20.6	12.8	19.5	18.7	19.2	24.6	39.1	24.3	27.8	31.8	59.1
Shigellosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
	Rate	3.2	3.4	7.6	6.9	1.1	1.0	0.5	0.0	1.8	0.6	0.0	0.0	2.1	2.4	0.0	0.7	0.0	1.4	1.8	3.9
Tuberculosis disease	Cases	0	2	5	3	2	0	0	0	0	0	0	1	0	3	1	0	0	4	0	2
	Rate	1.3	3.8	12.3	10.4	5.9	5.8	3.8	4.3	6.3	3.2	1.6	4.7	5.5	12.8	4.9	3.6	3.0	4.4	3.5	1.6
Typhoid fever	Cases	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.1	2.8	4.1	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0
	Rate	6.9	5.6	4.1	5.5	12.7	3.9	4.7	2.1	8.2	0.6	1.6	1.8	0.7	1.3	2.5	2.1	6.1	6.2	12.4	3.2
Yersiniosis	Cases	1	6	4	5	1	4	5	1	1	3	0	1	1	8	0	0	0	19	1	3
	Rate	6.9	8.5	11.5	9.4	7.0	22.3	16.0	12.8	12.7	9.0	6.4	7.7	9.7	17.8	2.5	0.7	0.0	19.8	15.9	5.8

<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 November 2013 expressed as cases per 100 000

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

# Notifiable Disease Surveillance Data by District Health Board November 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for November 2013 by District Health Board <sup>3</sup>																			
Disease		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
Campylobacteriosis	Cases	19	92	63	56	84	18	24	6	29	46	7	27	24	56	7	16	9	80	9	61
	Rate	132.7	140.4	126.4	103.5	207.1	173.6	127.8	153.8	204.0	202.1	152.0	151.9	107.4	140.3	162.4	132.9	212.8	154.8	274.1	178.0
Cryptosporidiosis	Cases	5	10	5	2	9	0	0	0	4	2	1	3	1	3	1	1	1	24	4	10
	Rate	18.3	21.5	18.8	11.4	58.3	60.1	17.0	4.3	37.2	87.5	32.0	27.2	27.0	36.0	32.0	12.1	24.3	37.8	63.7	27.9
Dengue fever	Cases	1	1	4	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	1.9	3.3	7.4	2.2	0.0	3.9	2.4	0.0	0.9	0.6	1.6	0.0	1.4	3.0	2.5	1.4	0.0	1.6	1.8	0.3
Gastroenteritis	Cases	1	6	5	3	4	1	2	0	1	0	4	6	8	6	0	0	0	3	0	2
	Rate	2.5	13.0	13.8	7.3	8.9	6.8	9.0	0.0	8.2	0.6	38.4	42.0	52.0	30.6	19.7	4.3	27.4	4.2	0.0	5.2
Giardiasis	Cases	4	13	12	13	11	3	6	2	3	4	0	2	2	9	0	1	1	10	3	7
	Rate	26.5	30.3	40.0	37.0	45.9	60.1	43.8	19.2	43.5	43.8	17.6	18.9	24.9	53.2	41.8	51.9	30.4	37.4	23.0	40.9
Haemophilus influenzae type b	Cases	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	2.5	1.1	1.3	1.8	0.0	0.0	0.9	2.1	0.0	4.5	1.6	0.6	0.0	1.0	0.0	0.7	0.0	9.4	1.8	1.0
Hepatitis B	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.9	1.0	1.4	0.0	1.4	0.0	0.0	0.0	1.6	0.0	0.7	0.0	0.0	0.7	3.0	0.8	0.0	0.6
Hepatitis C	Cases	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.9	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	2.1	0.3	0.0	2.8	0.0	3.0	1.8	3.2
Invasive pneumococcal disease	Cases	0	5	6	2	1	4	0	0	0	3	1	3	1	3	0	0	1	4	0	0
	Rate	13.9	9.2	7.1	11.0	10.8	26.2	17.0	12.8	8.2	16.7	16.0	8.9	6.9	9.8	17.2	8.5	18.2	8.2	14.1	9.1
Legionellosis	Cases	0	6	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	12	0	0
	Rate	3.2	4.5	2.6	3.7	1.1	0.0	2.4	0.0	0.9	1.3	1.6	4.1	1.4	0.3	0.0	0.7	6.1	11.2	3.5	3.6
Leptospirosis	Cases	0	0	0	0	0	0	0	0	2	7	0	2	0	0	1	0	0	0	1	0
	Rate	1.9	0.2	0.2	0.4	1.9	1.0	4.7	0.0	4.5	9.7	3.2	3.5	0.0	0.0	4.9	1.4	6.1	1.4	8.8	1.9
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.9	0.4	0.0	0.0	2.4	0.0	1.8	0.0	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	0.0	0.0
Malaria	Cases	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	Rate	0.6	1.6	2.2	1.6	0.5	0.0	0.5	0.0	0.0	1.9	1.6	3.5	0.7	0.7	0.0	0.7	0.0	1.2	0.0	0.0
Measles	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	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Meningococcal disease	Cases	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	2.5	1.3	1.3	2.4	1.1	3.9	0.9	2.1	2.7	1.9	1.6	1.2	1.4	1.0	0.0	0.0	0.0	1.6	1.8	2.3
Mumps	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	0.7	0.9	0.2	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.7	0.3	2.5	2.8	0.0	0.2	1.8	0.3
Paratyphoid fever	Cases	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.4	1.8	0.6
Pertussis	Cases	3	17	8	39	12	0	10	0	4	1	0	0	14	12	0	38	7	39	2	8
	Rate	97.9	50.9	52.6	56.9	93.4	31.0	80.1	128.2	78.9	26.4	89.6	79.2	102.6	87.1	162.4	353.9	249.2	129.9	104.3	98.4
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	1	0	3	6	4	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	13.9	1.4	4.3	10.8	6.5	6.8	6.6	12.8	0.9	1.3	1.6	0.6	6.9	3.0	0.0	0.0	0.0	1.0	0.0	0.3
Rickettsial disease	Cases	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.2	0.2	0.5	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	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	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	4	13	8	7	8	2	10	1	0	0	0	3	3	3	2	6	0	4	3	17
	Rate	27.2	20.4	28.6	15.5	23.2	19.4	25.5	32.1	20.8	20.6	12.8	19.5	18.7	19.2	24.6	39.1	24.3	27.8	31.8	59.1
Shigellosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
	Rate	3.2	3.4	7.6	6.9	1.1	1.0	0.5	0.0	1.8	0.6	0.0	0.0	2.1	2.4	0.0	0.7	0.0	1.4	1.8	3.9
Tuberculosis disease	Cases	0	2	5	3	2	0	0	0	0	0	0	1	0	3	1	0	0	4	0	2
	Rate	1.3	3.8	12.3	10.4	5.9	5.8	3.8	4.3	6.3	3.2	1.6	4.7	5.5	12.8	4.9	3.6	3.0	4.4	3.5	1.6
Typhoid fever	Cases	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.1	2.8	4.1	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0
	Rate	6.9	5.6	4.1	5.5	12.7	3.9	4.7	2.1	8.2	0.6	1.6	1.8	0.7	1.3	2.5	2.1	6.1	6.2	12.4	3.2
Yersiniosis	Cases	1	6	4	5	1	4	5	1	1	3	0	1	1	8	0	0	0	19	1	3
	Rate	6.9	8.5	11.5	9.4	7.0	22.3	16.0	12.8	12.7	9.0	6.4	7.7	9.7	17.8	2.5	0.7	0.0	19.8	15.9	5.8

<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 November 2013 expressed as cases per 100 000

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



# National Notifiable Disease Surveillance Data November 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	November 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	November 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	733	5943	150.0	707	6309	164.2
Cryptosporidiosis	86	1317	30.4	96	847	19.6
Dengue fever	11	99	2.3	4	73	1.7
Gastroenteritis <sup>3</sup>	52	517	12.8	146	685	16.7
Giardiasis	106	1583	38.3	137	1601	39.0
Haemophilus influenzae type b	2	5	0.1	0	4	0.1
Hepatitis A	2	90	2.1	3	80	1.8
Hepatitis B <sup>4</sup>	0	25	0.7	4	35	0.8
Hepatitis C <sup>4</sup>	2	39	1.0	2	27	0.7
Invasive pneumococcal disease	34	446	10.6	34	463	11.1
Legionellosis	22	137	3.5	22	131	3.5
Leptospirosis	13	70	1.7	6	101	2.4
Listeriosis	0	18	0.5	2	22	0.6
Malaria	4	45	1.2	4	32	0.8
Measles	0	2	0.0	0	68	3.3
Meningococcal disease	2	66	1.6	4	81	1.9
Mumps	2	25	0.6	2	24	0.6
Paratyphoid fever	2	25	0.6	3	22	0.5
Pertussis	214	3390	89.3	601	5329	132.0
Rheumatic fever	16	179	4.2	5	178	4.4
Rickettsial disease	2	9	0.2	1	4	0.1
Rubella	0	3	0.1	0	4	0.1
Salmonellosis	94	1046	25.6	102	993	24.2
Shigellosis	4	128	3.0	9	126	3.0
Tuberculosis disease	23	258	6.2	32	276	7.0
Typhoid fever	3	45	1.1	7	40	1.0
VTEC/STEC infection	11	208	5.1	9	131	3.0
Yersiniosis	64	452	11.0	47	478	11.5

<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 November 2013) or the previous year (12 months up to and including November 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

Other notifiable infectious disease reported in November: Chikungunya fever (1), Decompression sickness (1), Hepatitis NOS (1), Hydatid disease (1), Leprosy (5), Ross River virus infection (2), Toxic shellfish poisoning (1)

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

Disease	Nov 2013	Oct 2013	Sep 2013	Aug 2013	Jul 2013	Jun 2013	May 2013	Apr 2013	Mar 2013	Feb 2013	Jan 2013	Dec 2012
Campylobacteriosis	733	657	664	637	524	374	396	324	385	514	735	707
Cryptosporidiosis	86	167	184	87	78	67	133	129	187	119	80	30
Dengue fever	11	13	7	9	11	3	14	6	6	6	13	3
Gastroenteritis <sup>2</sup>	52	43	49	79	55	27	37	36	42	39	58	50
Giardiasis	106	154	145	150	136	138	161	163	134	148	148	113
Haemophilus influenzae type b	2	1	0	0	0	0	1	0	0	1	0	0
Hepatitis A	2	15	5	11	12	8	3	18	2	11	3	2
Hepatitis B <sup>3</sup>	0	4	4	3	3	3	2	1	2	0	3	4
Hepatitis C <sup>3</sup>	2	4	2	5	9	1	2	2	6	3	3	4
Invasive pneumococcal disease	34	48	66	47	69	41	34	30	28	22	27	26
Legionellosis	22	17	16	5	13	6	8	9	11	13	17	19
Leptospirosis	13	5	6	5	7	5	9	6	4	3	7	7
Listeriosis	0	1	2	3	1	0	1	0	2	4	4	3
Malaria	4	2	4	6	3	5	2	4	1	7	7	6
Measles	0	1	0	0	0	0	0	0	1	0	0	0
Meningococcal disease	2	6	11	6	14	4	3	7	6	2	5	4
Mumps	2	1	4	1	0	2	2	5	2	3	3	2
Paratyphoid fever	2	1	3	2	2	0	5	2	2	4	2	0
Pertussis	214	243	266	265	294	193	292	269	348	451	555	570
Rheumatic fever	16	17	22	27	12	9	20	19	17	15	5	7
Rickettsial disease	2	0	2	0	1	1	1	0	1	1	0	0
Rubella	0	1	0	1	0	1	0	0	0	0	0	0
Salmonellosis	94	102	87	90	71	53	90	108	97	103	151	88
Shigellosis	4	10	9	6	13	15	9	15	15	14	18	6
Tuberculosis disease	23	32	34	14	20	22	28	17	21	17	30	17
Typhoid fever	3	3	0	1	2	5	0	3	3	12	13	4
VTEC/STEC infection	11	8	18	18	4	13	32	44	27	13	20	16
Yersiniosis	64	47	55	40	48	26	28	32	42	28	42	36

<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