

## 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 5 December 2012. 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

- Cryptosporidiosis***: 96 cases of cryptosporidiosis were notified in November 2012 compared to 87 cases notified during the same month of the previous year (Figure 1). The cases ranged in age from 13 months to 82 years, with the highest numbers of cases in the 1-4 years (30 cases) and in the 5-9 years (14 cases) age groups. The highest numbers of cases were reported in Southern (33 cases), Waikato (14 cases), and Counties Manukau and Hawke's Bay (7 cases each) DHBs. Among the cases where risk factor information was recorded, 62.3% (33/53) had contact with farm animals, 51.1% (23/45) had consumed untreated water, and 47.2% (25/53) had attended school, preschool or childcare. Five *Cryptosporidium* outbreaks involving 10 cases in total were reported in November.
- Legionellosis***: 26 cases of legionellosis were notified in November 2012 (11 confirmed, 5 probable and 10 under investigation), compared to 17 cases notified in the same month of the previous year. The following section relates to the 11 confirmed cases only. These cases were reported in Canterbury (7 cases), and Counties Manukau, Lakes, MidCentral and Nelson Marlborough (1 case each) DHBs. The cases ranged in age from 33 years to 75 years, with the highest numbers of cases in the 30-39 years and 60-69 years (3 cases each) age groups. Eight hospitalisations were reported. Among the cases where risk information was recorded, seven reported exposure to environmental sources of infection (six cases reported exposure to compost/potting mix, and one to a possible contaminated water supply). The *Legionella* species was identified in six cases: *Legionella longbeachae* sg1, *L. longbeachae* sg2, *L. pneumophila* sg2, *L. pneumophila* sg12, *L. jordanis* and *L. bozemanianae* or *L. longbeachae* (1 case each).
- Paralytic shellfish poisoning***: One suspect case of paralytic shellfish poisoning was notified in November 2012. The case was a female in the 60-69 years age group from Waikato DHB. The case had consumed scallops harvested recreationally in the region.
- Pertussis***: 609 cases of pertussis were notified in November 2012, compared with 543 cases notified the previous month and 469 cases in the same month of the previous year (Figure 2). Thirty-five cases were hospitalised and one death was reported in an infant aged less than 6 weeks with a history of premature birth. There were 134 (22.0%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 176 (28.9%) cases were laboratory-confirmed by PCR. The highest number of cases was from Canterbury DHB (127), followed by Capital and Coast (52) and Counties Manukau (48) DHBs. The cases ranged in age from 26 days to 88 years, with 19.1% (116/608 cases with a known age) under 5 years old (including 43 cases aged less than 1 year). The highest numbers of cases occurred in the 40-49 years (88), 30-39 years (82), 5-9 years

(78), and 1-4 years (73) age groups. The vaccination status was recorded for 309 (50.7%) cases. Of these, 118 were reported as not vaccinated, 20 received one dose of vaccine, 11 received two doses of vaccine, 110 received three or more doses (including 21 who had received all five doses), and 50 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 39.8% (153/384) attended school, pre-school or childcare, and 35.8% (97/271) had contact with a laboratory-confirmed pertussis case. Two *B. pertussis* outbreaks involving four cases in total were reported in November.

- *Rickettsial disease*: One confirmed case of rickettsial spotted fever was notified in November 2012. The case was a female in the 60-69 years age group from Waitemata DHB. The case had been in Australia during the incubation period.
- *Salmonellosis*: 102 cases of salmonellosis were notified in November 2012, compared with 91 cases notified in the previous month and 72 cases in the same month of the previous year. The highest number of cases was reported in the Auckland region (36 cases), followed by Southern DHB (13 cases). The cases ranged in age from 12 days to 84 years, with the highest number of cases in the 20-29 years (17) and in the 40-49 years and the 50-59 years (14 cases each) age groups. Fifteen cases were hospitalised. The serotype involved was recorded for 88 (86.3%) cases. The most common serotypes were: *Salmonella* Montevideo (12 cases), *S. Typhimurium* phage type RDNC-May06 (8 cases), and *S. Brandenburg* (5 cases). Two *Salmonella* outbreaks involving six cases in total were reported in November.

## 2. Outbreaks

During November 2012, a total of 105 outbreaks (38 final and 67 interim) were created (Table 1 and Table 2). Over 80% were outbreaks of acute gastroenteritis (26 finalised and 60 interim) involving 940 cases in total. This compares with 33 acute gastroenteritis outbreaks involving 444 cases in total created during the same month of the previous year. Of the 86 acute gastroenteritis outbreaks, 37.2% (32/86) were recorded as norovirus, 8.1% (7/86) as rotavirus and the remaining 47 did not have a pathogen recorded. The majority of acute gastroenteritis outbreaks (44.2%, 38 outbreaks) had person-to-person mode of transmission reported. The most commonly reported setting where exposure occurred was in long term care facilities (28 outbreaks), followed by childcare centres and acute care hospitals (12 outbreaks each).

**Table 1. Summary of finalised outbreaks created in EpiSurv during November 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	2	4
<i>Campylobacter</i>	Waikato, MidCentral, Canterbury	3	10
<i>Cryptosporidium</i> <sup>1</sup>	Waitemata, Canterbury, Southern	3	7
Gastroenteritis <sup>1</sup>	Auckland, Counties Manukau, Waikato, Hawke's Bay, Capital and Coast, Canterbury, Southern	10	69
<i>Giardia</i>	Waitemata, Waikato	3	9
Norovirus	Auckland, Waikato, Hawke's Bay, MidCentral, Capital and Coast, Canterbury	14	284
Rotavirus	Capital and Coast, Canterbury	2	15
<i>Shigella</i>	Waikato	1	2
<b>Total</b>		<b>38</b>	<b>400</b>

<sup>1</sup>Includes outbreaks reported to PHSS prior to November 2012: *Cryptosporidium* (1) and gastroenteritis (1) both reported in October.

**Table 2. Summary of interim outbreaks created in EpiSurv during November 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
Carbon monoxide poisoning	Waitemata	1	5
<i>Cryptosporidium</i> <sup>1</sup>	Waikato, Southern	2	-
<i>Escherichia coli</i> , enteropathogenic	Canterbury	1	12
Gastroenteritis <sup>1</sup>	Waitemata, Auckland	37	215
	Counties Manukau, Waikato, Lakes		
	Bay of Plenty, Taranaki, Hawke's Bay		
	Hutt Valley, Capital and Coast		
	Nelson Marlborough, Southern		
<i>Giardia</i>	Lakes	1	6
Norovirus <sup>1,2</sup>	Northland, Lakes, Bay of Plenty, MidCentral, Capital and Coast, Nelson Marlborough, Canterbury, Southern	18	337
Rotavirus <sup>1</sup>	Taranaki, Hutt Valley, Capital and Coast	5	20
<i>Salmonella</i>	Auckland, Whanganui	2	6
<b>Total</b>		<b>67</b>	<b>604</b>

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

<sup>2</sup>One norovirus outbreak reported in Southern DHB had an overseas exposure location (Australia).

### 3. Deaths from notifiable diseases

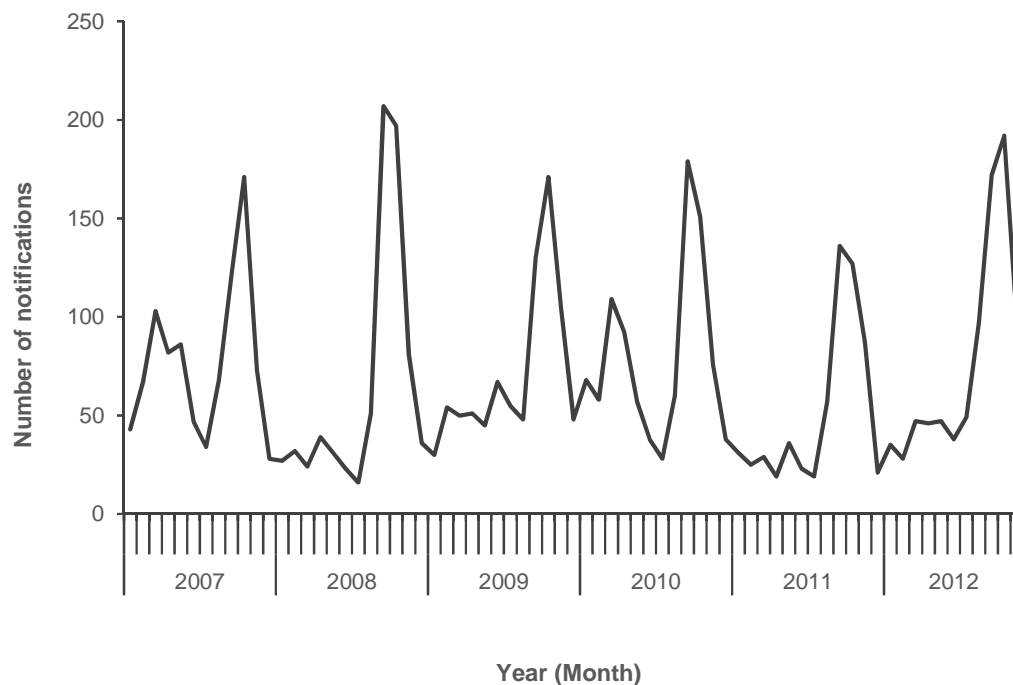
Two deaths, where the primary cause of death was a notifiable disease, were reported in November 2012 (Table 3).

**Table 3. Summary of deaths from notifiable diseases reported during November 2012**

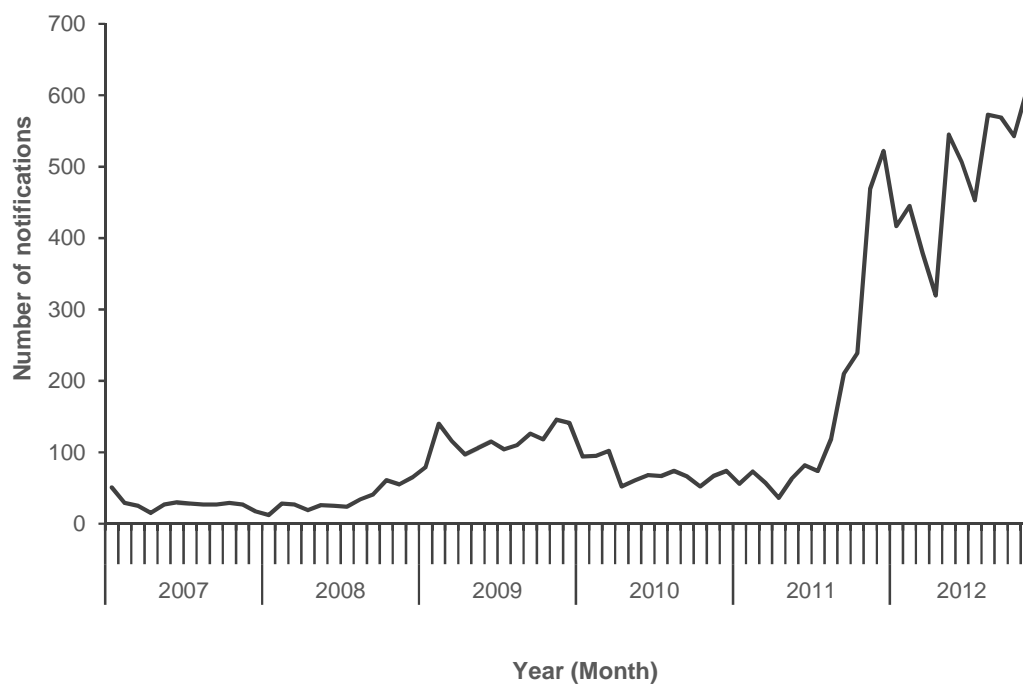
Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Hawke's Bay	15-19 years
Pertussis	Canterbury	<1 years

#### 4. Trends in selected diseases to November 2012

**Figure 1: Cryptosporidiosis notifications by month, January 2007 – November 2012**



**Figure 2: Pertussis notifications by month, January 2007 – November 2012**



## 5. Data tables

### National Notifiable Disease Surveillance Data November 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	November 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	November 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	712	6329	165.7	747	5718	145.1
Cryptosporidiosis	96	847	19.7	87	589	14.2
Dengue fever	5	74	1.8	3	38	1.0
Gastroenteritis <sup>3</sup>	139	687	16.8	49	575	14.0
Giardiasis	136	1605	39.3	139	1808	43.9
Haemophilus influenzae type b	2	8	0.2	1	8	0.2
Hepatitis A	3	81	1.9	4	24	0.6
Hepatitis B <sup>4</sup>	6	39	0.9	1	51	1.3
Hepatitis C <sup>4</sup>	1	29	0.7	0	22	0.5
Invasive pneumococcal disease	36	467	11.3	42	521	12.4
Lead absorption	13	262	6.5	13	205	5.2
Legionellosis	26	137	3.6	17	134	3.9
Leptospirosis	11	128	3.1	7	61	1.5
Listeriosis	2	22	0.6	1	22	0.5
Malaria	5	34	0.8	1	50	1.2
Measles	2	71	3.4	132	519	11.8
Meningococcal disease	5	83	2	6	114	2.7
Mumps	4	28	0.7	6	50	1.2
Paratyphoid fever	3	20	0.5	1	12	0.3
Pertussis	609	5360	133.5	469	1475	35.2
Rheumatic fever	7	176	4.4	8	147	3.7
Rickettsial disease	1	4	0.1	1	5	0.1
Rubella	1	5	0.1	1	22	0.5
Salmonellosis	102	1000	24.5	72	977	24.1
Shigellosis	9	126	3.1	11	92	2.1
Tuberculosis disease	33	286	7.2	23	276	7.0
Typhoid fever	7	40	1	3	39	0.9
VTEC/STEC infection	9	134	3.1	7	150	3.5
Yersiniosis	54	488	11.8	59	482	11.6

<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 2012) or the previous year (12 months up to and including November 2011), 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: Chemical poisoning from the environment (4), Paralytic shellfish poisoning (1)

# Notifiable Disease Surveillance Data by District Health Board November 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for November 2012 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	Mid-central	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	31	89	65	55	55	14	22	7	23	21	14	21	19	43	8	36	8	108	14	59
	Rate	164.4	151.5	119.4	98.8	193.6	162.1	127.0	124.5	200.3	198.3	155.4	122.4	126.0	148.6	194.7	221.6	245.8	234.4	331.7	221.9
Cryptosporidiosis	Cases	2	3	4	7	14	3	1	0	3	7	0	2	1	1	2	2	0	6	5	33
	Rate	22.8	8.4	6.4	7.4	48.1	22.3	10.4	2.1	22.8	28.9	6.3	15.4	24.9	36.3	37.0	13.6	27.3	17.3	81.6	25.5
Dengue fever	Cases	0	0	2	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	2.2	4.2	2.0	0.8	0.0	1.4	4.3	0.0	0.0	0.0	3.0	1.4	2.7	0.0	0.0	3.0	1.0	0.0	2.0
Gastroenteritis	Cases	1	10	20	5	3	0	5	0	0	0	0	46	13	17	1	0	1	13	0	4
	Rate	0.6	15.4	26.1	8.2	13.1	23.3	21.2	6.4	10.9	1.3	15.9	80.8	33.9	27.8	7.4	12.2	18.2	10.1	3.5	2.3
Giardiasis	Cases	2	17	24	12	18	8	6	1	2	2	0	1	4	12	1	0	1	16	3	6
	Rate	28.5	40.3	58.9	25.4	43.0	50.5	44.8	17.2	33.7	36.6	9.5	12.5	36.0	46.2	51.7	49.3	36.4	38.2	42.6	42.4
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.4	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.8	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	6.4	3.5	3.0	1.1	0.0	0.5	0.0	0.9	1.3	0.0	0.0	0.7	1.7	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	2	0	0
	Rate	1.3	0.9	0.7	1.0	0.8	1.0	0.9	4.3	1.8	0.6	0.0	1.2	0.0	1.0	0.0	0.7	0.0	1.0	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	1.0	0.0	2.1	0.0	1.2	3.5	3.6
Invasive pneumococcal	Cases	0	3	1	11	2	0	2	0	3	2	0	1	1	1	1	1	0	3	0	4
	Rate	16.4	7.5	12.0	15.6	10.9	12.6	16.5	8.6	11.8	12.8	9.5	6.5	7.6	10.5	24.6	15.0	3.0	8.0	12.4	11.4
Lead absorption	Cases	1	0	2	4	0	1	1	0	0	0	0	1	0	0	1	1	0	1	0	0
	Rate	1.9	6.2	15.1	8.4	2.4	3.9	4.2	8.6	6.4	3.2	20.6	7.1	11.8	5.4	14.8	2.1	6.1	2.6	7.1	4.9
Legionellosis	Cases	3	1	2	2	1	1	0	0	0	0	0	1	0	0	0	1	0	14	0	0
	Rate	4.4	4.0	3.9	2.4	2.7	1.0	0.9	0.0	0.9	0.6	0.0	3.6	1.4	2.0	0.0	4.3	6.1	11.1	1.8	2.3
Leptospirosis	Cases	0	0	0	0	2	0	1	0	1	2	0	0	0	0	0	1	1	0	2	1
	Rate	3.2	0.4	0.4	0.4	7.9	0.0	3.8	8.6	5.5	12.8	11.1	6.5	0.7	0.0	9.9	2.9	24.3	2.2	10.6	1.6
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.5	0.2	1.2	0.8	0.0	1.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.3
Malaria	Cases	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	Rate	1.9	0.9	2.6	1.4	0.3	1.0	0.0	0.0	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.7	0.0	0.6	0.0	0.0
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	5.1	3.8	5.9	14.2	1.1	1.0	0.0	2.1	0.0	0.0	0.0	0.0	0.7	1.4	0.0	0.7	3.0	1.4	1.8	0.0
Meningococcal disease	Cases	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0
	Rate	1.9	2.0	1.8	1.2	1.4	4.9	2.4	2.1	5.5	1.3	1.6	1.8	0.0	3.1	4.9	2.1	0.0	2.0	5.3	1.6
Mumps	Cases	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.7	0.2	0.5	0.0	0.5	2.1	1.8	0.0	0.0	0.0	0.7	0.7	2.5	1.4	0.0	1.6	3.5	0.0
Paratyphoid fever	Cases	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	1.5	0.2	0.0	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.3
Pertussis	Cases	4	26	21	48	46	8	33	20	25	9	7	37	37	52	29	43	7	127	6	24
	Rate	47.4	47.8	55.6	65.2	82.1	89.3	75.0	332.6	109.2	85.4	222.0	111.1	249.8	231.1	241.5	621.2	552.2	240.9	106.4	70.2
Rheumatic fever	Cases	0	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	9.5	2.9	2.4	16.4	5.2	7.8	1.4	19.3	1.8	3.9	0.0	1.8	2.1	4.1	0.0	0.7	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	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	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	3	13	19	4	6	2	8	3	1	5	2	1	3	2	1	5	1	6	4	13
	Rate	17.7	22.4	26.3	14.2	27.7	25.2	18.4	19.3	23.7	18.0	12.7	18.4	21.5	14.9	14.8	39.3	39.4	26.7	53.2	50.9
Shigellosis	Cases	1	1	1	1	1	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0
	Rate	1.3	5.7	4.8	5.2	1.9	0.0	3.3	0.0	3.6	0.6	0.0	1.2	0.7	4.1	0.0	0.7	0.0	2.0	1.8	2.6
Tuberculosis disease	Cases	3	6	4	7	3	0	0	0	1	2	0	0	2	1	0	1	0	2	0	1
	Rate	2.5	8.1	13.8	10.2	5.7	2.9	6.6	4.3	3.6	16.0	1.6	5.3	6.9	7.8	2.5	9.3	3.0	4.2	0.0	2.9
Typhoid fever	Cases	0	0	0	2	0	1	1	0	0	0	0	0	2	1	0	0	0	0	0	0
	Rate	0.0	1.3	2.4	2.8	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.0	2.1	0.7	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	1	1	1	0	2	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1
	Rate	8.2	2.4	1.3	1.2	5.4	1.9	8.5	2.1	8.2	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	4.0	7.1	4.2
Yersiniosis	Cases	2	5	3	5	1	2	3	0	4	0	0	2	5	8	0	0	0	11	0	3
	Rate	9.5	15.9	13.4	11.8	13.3	7.8	10.4	12.9	11.8	7.7	4.8	3.6	15.9	18.3	7.4	3.6	6.1	12.1	23.1	5.9

<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 2012 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 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for November 2012 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	Mid-central	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	31	89	65	55	55	14	22	7	23	21	14	21	19	43	8	36	8	108	14	59
	Rate	164.4	151.5	119.4	98.8	193.6	162.1	127.0	124.5	200.3	198.3	155.4	122.4	126.0	148.6	194.7	221.6	245.8	234.4	331.7	221.9
Cryptosporidiosis	Cases	2	3	4	7	14	3	1	0	3	7	0	2	1	1	2	2	0	6	5	33
	Rate	22.8	8.4	6.4	7.4	48.1	22.3	10.4	2.1	22.8	28.9	6.3	15.4	24.9	36.3	37.0	13.6	27.3	17.3	81.6	25.5
Dengue fever	Cases	0	0	2	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	2.2	4.2	2.0	0.8	0.0	1.4	4.3	0.0	0.0	0.0	3.0	1.4	2.7	0.0	0.0	3.0	1.0	0.0	2.0
Gastroenteritis	Cases	1	10	20	5	3	0	5	0	0	0	0	46	13	17	1	0	1	13	0	4
	Rate	0.6	15.4	26.1	8.2	13.1	23.3	21.2	6.4	10.9	1.3	15.9	80.8	33.9	27.8	7.4	12.2	18.2	10.1	3.5	2.3
Giardiasis	Cases	2	17	24	12	18	8	6	1	2	2	0	1	4	12	1	0	1	16	3	6
	Rate	28.5	40.3	58.9	25.4	43.0	50.5	44.8	17.2	33.7	36.6	9.5	12.5	36.0	46.2	51.7	49.3	36.4	38.2	42.6	42.4
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.4	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.8	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	6.4	3.5	3.0	1.1	0.0	0.5	0.0	0.9	1.3	0.0	0.0	0.7	1.7	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	2	0	0	0	2	0	0
	Rate	1.3	0.9	0.7	1.0	0.8	1.0	0.9	4.3	1.8	0.6	0.0	1.2	0.0	1.0	0.0	0.7	0.0	1.0	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	1.0	0.0	2.1	0.0	1.2	3.5	3.6
Invasive pneumococcal disease	Cases	0	3	1	11	2	0	2	0	3	2	0	1	1	1	1	1	0	3	0	4
	Rate	16.4	7.5	12.0	15.6	10.9	12.6	16.5	8.6	11.8	12.8	9.5	6.5	7.6	10.5	24.6	15.0	3.0	8.0	12.4	11.4
Lead absorption	Cases	1	0	2	4	0	1	1	0	0	0	0	1	0	0	1	1	0	1	0	0
	Rate	1.9	6.2	15.1	8.4	2.4	3.9	4.2	8.6	6.4	3.2	20.6	7.1	11.8	5.4	14.8	2.1	6.1	2.6	7.1	4.9
Legionellosis	Cases	3	1	2	2	1	1	0	0	0	0	0	1	0	0	0	1	0	14	0	0
	Rate	4.4	4.0	3.9	2.4	2.7	1.0	0.9	0.0	0.9	0.6	0.0	3.6	1.4	2.0	0.0	4.3	6.1	11.1	1.8	2.3
Leptospirosis	Cases	0	0	0	0	2	0	1	0	1	2	0	0	0	0	0	1	1	0	2	1
	Rate	3.2	0.4	0.4	0.4	7.9	0.0	3.8	8.6	5.5	12.8	11.1	6.5	0.7	0.0	9.9	2.9	24.3	2.2	10.6	1.6
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.5	0.2	1.2	0.8	0.0	1.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.3
Malaria	Cases	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	Rate	1.9	0.9	2.6	1.4	0.3	1.0	0.0	0.0	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.7	0.0	0.6	0.0	0.0
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	5.1	3.8	5.9	14.2	1.1	1.0	0.0	2.1	0.0	0.0	0.0	0.0	0.7	1.4	0.0	0.7	3.0	1.4	1.8	0.0
Meningococcal disease	Cases	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0
	Rate	1.9	2.0	1.8	1.2	1.4	4.9	2.4	2.1	5.5	1.3	1.6	1.8	0.0	3.1	4.9	2.1	0.0	2.0	5.3	1.6
Mumps	Cases	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.7	0.2	0.5	0.0	0.5	2.1	1.8	0.0	0.0	0.0	0.7	0.7	2.5	1.4	0.0	1.6	3.5	0.0
Paratyphoid fever	Cases	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	1.5	0.2	0.0	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.3
Pertussis	Cases	4	26	21	48	46	8	33	20	25	9	7	37	37	52	29	43	7	127	6	24
	Rate	47.4	47.8	55.6	65.2	82.1	89.3	75.0	332.6	109.2	85.4	222.0	111.1	249.8	231.1	241.5	621.2	552.2	240.9	106.4	70.2
Rheumatic fever	Cases	0	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	9.5	2.9	2.4	16.4	5.2	7.8	1.4	19.3	1.8	3.9	0.0	1.8	2.1	4.1	0.0	0.7	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	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	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	3	13	19	4	6	2	8	3	1	5	2	1	3	2	1	5	1	6	4	13
	Rate	17.7	22.4	26.3	14.2	27.7	25.2	18.4	19.3	23.7	18.0	12.7	18.4	21.5	14.9	14.8	39.3	39.4	26.7	53.2	50.9
Shigellosis	Cases	1	1	1	1	1	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0
	Rate	1.3	5.7	4.8	5.2	1.9	0.0	3.3	0.0	3.6	0.6	0.0	1.2	0.7	4.1	0.0	0.7	0.0	2.0	1.8	2.6
Tuberculosis disease	Cases	3	6	4	7	3	0	0	0	1	2	0	0	2	1	0	1	0	2	0	1
	Rate	2.5	8.1	13.8	10.2	5.7	2.9	6.6	4.3	3.6	16.0	1.6	5.3	6.9	7.8	2.5	9.3	3.0	4.2	0.0	2.9
Typhoid fever	Cases	0	0	0	2	0	1	1	0	0	0	0	0	2	1	0	0	0	0	0	0
	Rate	0.0	1.3	2.4	2.8	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.0	2.1	0.7	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	1	1	1	0	2	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1
	Rate	8.2	2.4	1.3	1.2	5.4	1.9	8.5	2.1	8.2	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	4.0	7.1	4.2
Yersiniosis	Cases	2	5	3	5	1	2	3	0	4	0	0	2	5	8	0	0	0	11	0	3
	Rate	9.5	15.9	13.4	11.8	13.3	7.8	10.4	12.9	11.8	7.7	4.8	3.6	15.9	18.3	7.4	3.6	6.1	12.1	23.1	5.9

<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 2012 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 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	November 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	November 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	712	6329	165.7	747	5718	145.1
Cryptosporidiosis	96	847	19.7	87	589	14.2
Dengue fever	5	74	1.8	3	38	1.0
Gastroenteritis <sup>3</sup>	139	687	16.8	49	575	14.0
Giardiasis	136	1605	39.3	139	1808	43.9
Haemophilus influenzae type b	2	8	0.2	1	8	0.2
Hepatitis A	3	81	1.9	4	24	0.6
Hepatitis B <sup>4</sup>	6	39	0.9	1	51	1.3
Hepatitis C <sup>4</sup>	1	29	0.7	0	22	0.5
Invasive pneumococcal disease	36	467	11.3	42	521	12.4
Lead absorption	13	262	6.5	13	205	5.2
Legionellosis	26	137	3.6	17	134	3.9
Leptospirosis	11	128	3.1	7	61	1.5
Listeriosis	2	22	0.6	1	22	0.5
Malaria	5	34	0.8	1	50	1.2
Measles	2	71	3.4	132	519	11.8
Meningococcal disease	5	83	2	6	114	2.7
Mumps	4	28	0.7	6	50	1.2
Paratyphoid fever	3	20	0.5	1	12	0.3
Pertussis	609	5360	133.5	469	1475	35.2
Rheumatic fever	7	176	4.4	8	147	3.7
Rickettsial disease	1	4	0.1	1	5	0.1
Rubella	1	5	0.1	1	22	0.5
Salmonellosis	102	1000	24.5	72	977	24.1
Shigellosis	9	126	3.1	11	92	2.1
Tuberculosis disease	33	286	7.2	23	276	7.0
Typhoid fever	7	40	1	3	39	0.9
VTEC/STEC infection	9	134	3.1	7	150	3.5
Yersiniosis	54	488	11.8	59	482	11.6

<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 2012) or the previous year (12 months up to and including November 2011), 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: Chemical poisoning from the environment (4), Paralytic shellfish poisoning (1)



National Notifiable Disease Surveillance Data – Monthly totals for November 2012 and preceding 12 Months<sup>1</sup>

Disease	Nov 2012	Oct 2012	Sep 2012	Aug 2012	Jul 2012	Jun 2012	May 2012	Apr 2012	Mar 2012	Feb 2012	Jan 2012	Dec 2011
Campylobacteriosis	712	666	555	531	328	342	521	455	557	661	1001	971
Cryptosporidiosis	96	192	172	97	49	38	47	46	47	28	35	21
Dengue fever	5	4	10	6	16	5	5	7	8	5	3	4
Gastroenteritis <sup>2</sup>	139	95	54	35	52	57	46	52	58	48	51	55
Giardiasis	136	132	103	140	140	130	160	154	171	175	164	126
Haemophilus influenzae type b	2	1	0	1	2	1	0	0	0	0	1	0
Hepatitis A	3	2	5	4	3	2	4	4	32	19	3	2
Hepatitis B <sup>3</sup>	6	6	5	3	3	5	3	1	2	2	3	0
Hepatitis C <sup>3</sup>	1	1	1	3	4	1	2	8	2	4	2	4
Invasive pneumococcal disease	36	41	68	73	65	52	30	31	30	18	23	31
Lead absorption	13	13	21	20	27	25	46	19	21	41	16	25
Legionellosis	26	8	9	6	7	15	4	13	15	13	21	23
Leptospirosis	11	13	13	19	11	10	16	15	2	4	14	7
Listeriosis	2	2	4	2	2	2	2	0	1	1	4	4
Malaria	5	1	3	4	5	6	1	4	1	2	2	2
Measles	2	0	1	0	0	1	1	10	5	17	34	77
Meningococcal disease	5	16	7	17	7	7	4	6	3	4	7	5
Mumps	4	5	4	4	1	1	1	1	2	1	4	1
Paratyphoid fever	3	1	1	3	1	1	0	2	1	7	0	0
Pertussis	609	543	569	573	453	507	545	320	379	445	417	521
Rheumatic fever	7	4	11	13	22	42	23	11	11	18	14	17
Rickettsial disease	1	0	0	1	0	2	0	0	0	0	0	1
Rubella	1	1	0	0	0	0	0	1	1	1	0	0
Salmonellosis	102	91	84	84	72	51	90	83	97	114	132	79
Shigellosis	9	9	8	5	15	10	15	12	18	13	12	9
Tuberculosis disease	33	39	21	26	29	20	23	27	15	28	25	33
Typhoid fever	7	4	1	4	4	3	3	4	4	2	4	6
VTEC/STEC infection	9	14	10	14	8	9	7	21	16	11	15	3
Yersiniosis	54	50	45	44	49	44	44	37	45	30	46	32

<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