

## 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 14 January 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.

### Table of contents

1. Key notifiable disease trends	1
2. Outbreaks	3
3. Deaths from notifiable diseases	3
4. Trends in selected diseases to December 2012	5
5. Data tables	6

### 1. Key notifiable disease trends

- Campylobacteriosis:** 712 cases of campylobacteriosis were notified in December 2012 compared to 971 cases notified during the same month of the previous year (Figure 1). For the 12 month period ending 31 December 2012, the highest rates were in South Canterbury (321.0 per 100 000 population, 181 cases), Canterbury (224.2 per 100 000 population, 1127 cases), and Southern (221.2 per 100 000 population, 678 cases) DHBs compared to a national rate of 159.7 per 100 000. Four *Campylobacter* outbreaks were reported in December including three finalised outbreaks (8 cases) and one interim outbreak (case numbers not yet established).
- Cholera:** One case of cholera was notified in December 2012, the case was subsequently made 'not a case' in January after further investigation.
- Diphtheria:** One case of cutaneous diphtheria was notified in December 2012. The case was a female in the 30-39 years age group from Auckland DHB. Laboratory confirmation is pending for the case.
- Measles:** One case of measles was notified in December 2012, the case was subsequently made 'not a case' in January after further investigation.
- Toxic shellfish poisoning:** 33 cases of toxic shellfish poisoning (29 paralytic shellfish poisoning and 4 toxic shellfish poisoning – type unspecified) were notified in December 2012. 51.5% (17/33) were hospitalised. Bay of Plenty had the highest number of cases of paralytic shellfish poisoning (19 cases), followed by Lakes (7 cases) DHB. All of the paralytic shellfish poisoning cases were linked to an outbreak associated with shellfish harvested recreationally from the Bay of Plenty coastline. All of the toxic shellfish poisoning – type unspecified cases were from Hutt Valley DHB. The cases had consumed mussels that were shop bought in the region.
- Pertussis:** 592 cases of pertussis were notified in December 2012, compared with 602 cases notified the previous month and 521 cases in the same month of the previous year. Thirty cases were hospitalised and no deaths were reported. There were 150 (25.3%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 126 (21.3%) cases were laboratory-confirmed by PCR. The highest number of cases was from Canterbury DHB (93), followed by Southern (64) and Waikato (61) DHBs. The cases ranged in age from one month to 85 years, with 21.3% (126/591 cases with a known age) under 5 years old (including 59 cases aged less than 1 year). The highest numbers of cases occurred in the 5-9 years (78), 40-49 years (75), 1-4 years (67), and 30-39 years (65) age groups. The vaccination status was recorded for 281 (47.5%)

cases. Of these, 98 were reported as not vaccinated, 28 received one dose of vaccine, 17 received two doses of vaccine, 79 received three or more doses (including 11 who had received all five doses), and 59 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded 44.4% (80/180) had contact with a laboratory-confirmed pertussis case, and 36.6% (132/361) attended school, pre-school or childcare. Two *B. pertussis* outbreaks involving four cases in total were reported in December.

- *Taeniasis*: One confirmed case of taeniasis was notified in December 2012. The case was a male in the 30-39 years age group from Auckland DHB and was in Eritrea during the incubation period.
- *Tetanus*: One case of non-fatal tetanus was notified in December 2012. The case was an unvaccinated male in the 5-9 years age group and was hospitalised.
- *VTEC/STEC infection*: 19 cases of VTEC/STEC infection were notified in December 2012, one of these cases has since been made 'not a case' after further investigation. This compares with three cases notified in the same month of the previous year. The remaining 18 cases were from the following DHBs: Counties Manukau (5), Canterbury (4), Waitemata and Waikato (3 cases each), and Lakes, Bay of Plenty and Southern (1 case each). The highest number of cases occurred in the 50-59 years age group (5 cases). Four cases were hospitalised of which one had haemolytic uraemic syndrome. The serotype/organism was identified by the Enteric Reference Laboratory for fourteen cases: *Escherichia coli* O157:H7 (12 cases) and *E. coli* non-O157 (2 cases). Among the cases for which risk factor was recorded, 100.0% (5/5) had contact with animals, and 66.7% (4/6) had contact with a person with similar symptoms.
- *Yersiniosis*: 42 cases of yersiniosis were notified in December 2012, two of these cases have since been made 'not a case' after further investigation. This compares with 53 cases notified in the previous month and 32 in the same month of the previous year (Figure 2). Waitemata DHB had the highest number of cases (7 cases), followed by Auckland and Capital and Coast (5 cases each), and Canterbury (4 cases) DHBs. The cases ranged in age from seven months to 92 years, with the highest numbers reported in the 1-4 years and 70+ years (7 cases each), 20-29 years (6), and under one year (5) age groups. Five cases were hospitalised. The biotype involved was identified in 27 (67.5%) of the cases: *Yersinia enterocolitica* biotype 4 (11 cases), *Y. enterocolitica* biotype 1A (9 cases), *Y. enterocolitica* biotype 2 (4 cases) and *Y. enterocolitica* biotype 3 (3 cases). Among the cases for which risk factor was recorded, 40.0% (4/10) consumed food from a food premises, 18.2% (2/11) had consumed untreated water, 16.6% (2/12) had contact with faecal matter, 14.3% (2/14) had attended school, pre-school or childcare, and 10.0% (1/10) had contact with farm animals.

## 2. Outbreaks

**Table 1. Summary of finalised outbreaks created in EpiSurv during December 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> <sup>1</sup>	Waikato, Southern	3	8
<i>Cryptosporidium</i> <sup>1</sup>	Waikato	1	3
Gastroenteritis	Waitemata, Counties Manukau, Canterbury	4	33
<i>Giardia</i>	Bay of Plenty	1	5
Norovirus	Waitemata, Counties Manukau, Whanganui, MidCentral, Hutt Valley, Wairarapa, Nelson Marlborough, Canterbury	11	198
<i>Salmonella</i>	Taranaki	1	3
<b>Total</b>		<b>22</b>	<b>251</b>

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

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> <sup>2</sup>	Waikato	1	-
<i>Gastroenteritis</i> <sup>1</sup>	Waitemata, Auckland, Counties Manukau, Waikato, Bay of Plenty, MidCentral, Hutt Valley, Capital and Coast, Nelson Marlborough, Southern	24	112
<i>Giardia</i> <sup>2</sup>	Waikato	1	-
Norovirus <sup>2</sup>	Waikato, Nelson Marlborough	2	36
<i>Salmonella</i> <sup>1,2</sup>	Bay of Plenty	1	-
Toxic shellfish poisoning - type unspecified <sup>2</sup>	Bay of Plenty	1	-
<b>Total</b>		<b>30</b>	<b>148</b>

<sup>1</sup>Includes outbreaks reported to PHSs prior to December 2012: gastroenteritis (1) and *Salmonella* (1) outbreaks both reported in November.

<sup>2</sup>Interim outbreak where total number of cases had not been completed.

### 3. Deaths from notifiable diseases

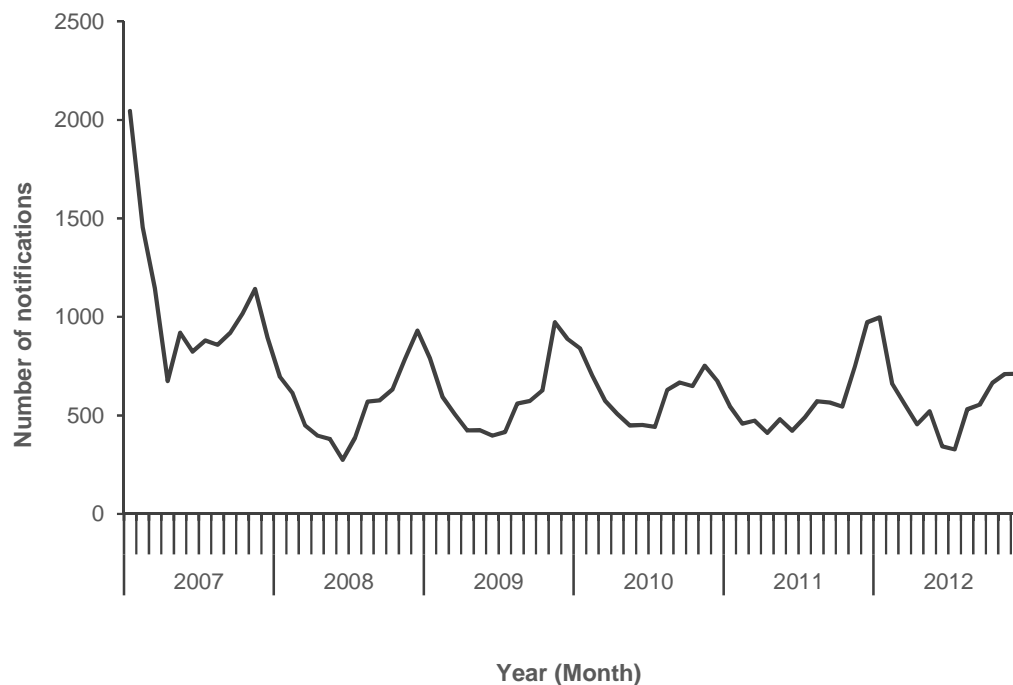
Three deaths, where the primary cause of death was a notifiable disease, were reported in December 2012 (Table 3).

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

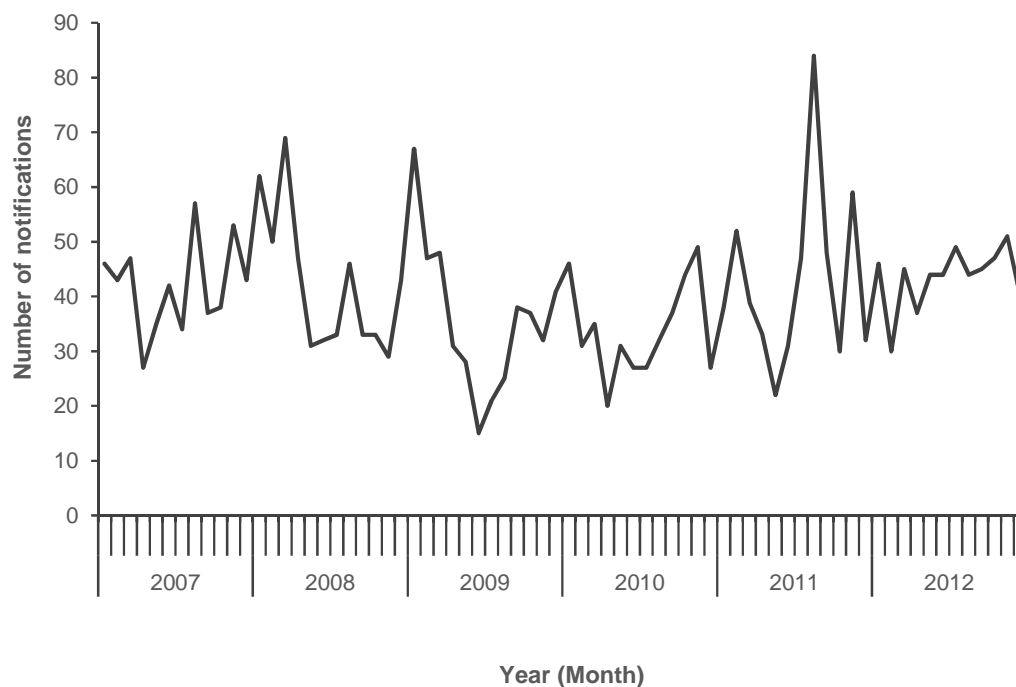
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Hepatitis B	Bay of Plenty	40-49 years
Invasive pneumococcal disease	Waikato	70+ years
Meningococcal disease	Hawke's Bay	60-69 years

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

**Figure 1: Campylobacteriosis notifications by month, January 2007 – December 2012**



**Figure 2: Yersiniosis notifications by month, January 2007 – December 2012**



## 5. Data tables

### National Notifiable Disease Surveillance Data December 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	December 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	December 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	712	7033	159.7	971	6689	151.8
Cryptosporidiosis	30	876	19.9	21	610	13.8
Dengue fever	8	81	1.8	4	42	1.0
Gastroenteritis <sup>3</sup>	50	739	16.8	55	630	14.3
Giardiasis	116	1720	39.0	126	1934	43.9
Haemophilus influenzae type b	1	6	0.1	0	8	0.2
Hepatitis A	2	83	1.9	2	26	0.6
Hepatitis B <sup>4</sup>	8	46	1.0	0	51	1.2
Hepatitis C <sup>4</sup>	4	33	0.7	4	26	0.6
Invasive pneumococcal disease	26	491	11.1	31	552	12.5
Lead absorption	11	272	6.2	25	230	5.2
Legionellosis	21	158	3.6	24	158	3.6
Leptospirosis	10	131	3.0	7	68	1.5
Listeriosis	4	26	0.6	4	26	0.6
Malaria	6	38	0.9	2	52	1.2
Measles	1	70	1.6	77	596	13.5
Meningococcal disease	4	87	2.0	5	119	2.7
Mumps	3	29	0.7	1	51	1.2
Paratyphoid fever	0	20	0.5	0	12	0.3
Pertussis	592	5938	134.8	521	1996	45.3
Rheumatic fever	6	181	4.1	17	164	3.7
Rickettsial disease	0	4	0.1	1	6	0.1
Rubella	0	4	0.1	0	22	0.5
Salmonellosis	88	1087	24.7	79	1056	24.0
Shigellosis	6	132	3.0	9	101	2.3
Tuberculosis disease	18	301	6.8	33	309	7.0
Typhoid fever	5	45	1.0	6	45	1.0
VTEC/STEC infection	19	153	3.5	3	153	3.5
Yersiniosis	42	527	12.0	32	514	11.7

<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 December 2012) or the previous year (12 months up to and including December 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 December: Chemical poisoning from the environment (1), Cholera (1), Diphtheria (1), Paralytic shellfish poisoning (29), Taeniasis (1), Tetanus (1), Toxic shellfish poisoning (4)

# Notifiable Disease Surveillance Data by District Health Board December 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for December 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	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	19	89	50	61	88	16	36	5	18	29	5	19	20	37	8	30	7	95	10	70
	Rate	145.4	142.0	114.8	96.0	189.0	161.2	126.0	115.9	200.3	190.6	144.3	118.2	119.0	145.9	177.4	216.6	218.4	224.2	321.0	221.2
Cryptosporidiosis	Cases	2	0	2	2	2	0	0	0	4	3	0	1	0	4	0	0	0	5	0	5
	Rate	23.4	7.9	6.4	7.6	48.7	21.4	9.9	2.1	25.5	30.8	4.8	14.9	23.5	37.7	39.4	12.2	27.3	17.5	81.6	26.4
Dengue fever	Cases	0	0	2	1	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1
	Rate	1.3	2.2	4.2	2.2	0.8	0.0	1.9	2.1	0.0	0.0	0.0	3.0	1.4	3.1	0.0	0.0	0.0	1.2	0.0	2.3
Gastroenteritis	Cases	0	8	10	3	3	1	1	0	2	0	1	6	5	4	0	2	1	3	0	0
	Rate	0.6	15.9	26.9	8.4	12.5	23.3	20.8	6.4	11.8	1.3	17.4	75.4	29.8	26.8	7.4	13.6	21.2	10.1	3.5	3.9
Giardiasis	Cases	1	15	16	9	12	7	7	0	3	7	1	1	1	7	1	5	0	14	1	8
	Rate	27.2	39.2	56.5	26.2	42.4	57.3	44.8	17.2	34.6	38.5	11.1	11.9	35.3	43.4	49.3	47.9	33.4	38.8	42.6	44.1
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.0	0.2	0.3	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	1.8	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	6.6	3.3	3.0	0.8	0.0	0.5	0.0	0.9	1.3	0.0	0.0	0.7	2.0	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	1	0	2	1	0	2	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	1.3	1.1	0.7	1.4	1.1	1.0	1.4	4.3	2.7	0.6	0.0	1.2	0.0	1.0	0.0	0.7	0.0	1.2	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0	0.0	1.0	0.0	1.4	0.0	1.0	3.5	3.9
Invasive pneumococcal	Cases	1	3	0	1	5	1	1	0	1	3	1	0	1	2	1	0	0	2	0	3
	Rate	14.5	7.0	11.4	15.0	11.4	13.6	17.0	6.4	12.7	13.5	9.5	6.5	8.3	9.8	24.6	15.0	3.0	8.2	12.4	11.4
Lead absorption	Cases	0	1	2	3	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	1
	Rate	1.9	6.2	14.7	8.6	2.4	3.9	3.8	6.4	6.4	1.9	15.9	5.9	9.7	5.4	17.2	2.1	6.1	2.2	5.3	4.9
Legionellosis	Cases	1	1	2	1	1	0	1	0	0	0	1	0	0	0	0	0	0	8	1	4
	Rate	3.8	3.8	4.6	2.2	2.7	0.0	0.9	0.0	0.0	0.6	1.6	3.6	0.7	2.4	0.0	3.6	3.0	10.5	3.5	3.3
Leptospirosis	Cases	1	0	0	0	2	0	1	0	0	2	1	1	0	0	0	1	0	0	0	1
	Rate	3.2	0.4	0.4	0.4	8.4	0.0	4.2	6.4	3.6	12.8	9.5	6.5	0.7	0.0	9.9	3.6	15.2	2.2	8.9	1.6
Listeriosis	Cases	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.4	1.0	0.8	0.0	2.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0
Malaria	Cases	0	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.9	2.6	1.8	0.0	1.0	0.0	0.0	0.0	1.9	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	0	0	0	0	0	0	0
	Rate	5.1	1.8	2.0	6.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.8	1.8	0.0
Meningococcal disease	Cases	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0
	Rate	1.9	1.6	1.8	1.4	1.4	4.9	2.4	2.1	5.5	1.3	1.6	1.8	0.7	3.1	2.5	2.1	0.0	2.0	5.3	1.6
Mumps	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	Rate	0.6	0.4	0.4	0.2	0.5	0.0	0.5	2.1	0.9	0.0	0.0	0.0	0.7	0.7	2.5	2.1	0.0	1.8	3.5	0.0
Paratyphoid 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	0.4	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	9	39	25	20	61	4	35	9	14	3	10	19	46	41	27	43	22	93	8	64
	Rate	51.8	50.6	60.2	67.6	96.3	91.3	89.2	321.9	119.2	80.9	236.2	120.6	252.6	231.1	303.1	487.5	464.2	245.3	111.7	88.4
Rheumatic fever	Cases	1	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	8.9	2.9	2.4	15.6	5.2	5.8	1.4	17.2	1.8	3.9	0.0	1.8	2.1	3.1	0.0	0.0	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	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	0.0	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	2	6	8	4	1	2	2	1	6	2	1	3	3	3	0	7	1	12	0	24
	Rate	18.3	22.2	26.7	14.4	25.6	22.3	17.0	19.3	26.4	18.6	14.3	18.4	22.1	14.9	12.3	40.7	42.5	26.7	51.4	54.8
Shigellosis	Cases	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	5.7	5.3	5.0	1.6	0.0	3.3	0.0	3.6	0.6	0.0	1.2	0.7	3.7	0.0	0.7	0.0	1.8	0.0	2.6
Tuberculosis disease	Cases	0	3	3	4	1	0	0	0	1	0	0	0	1	4	0	1	0	0	0	0
	Rate	1.9	7.9	12.9	9.6	5.7	2.9	5.7	4.3	4.6	13.5	1.6	3.6	6.9	8.1	0.0	10.0	3.0	3.8	0.0	2.9
Typhoid fever	Cases	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	2.2	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	0	3	0	5	3	1	1	0	0	0	0	0	0	0	0	0	0	5	0	1
	Rate	8.2	2.9	1.3	2.2	6.0	2.9	8.5	2.1	7.3	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	5.0	7.1	4.6
Yersiniosis	Cases	1	7	5	3	3	2	2	0	0	0	0	2	1	5	1	0	0	6	1	3
	Rate	10.1	16.7	13.1	11.2	13.1	8.7	10.9	12.9	11.8	7.7	4.8	4.2	15.9	19.0	9.9	2.1	6.1	12.5	23.1	6.2

<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 December 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 December 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for December 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	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	19	89	50	61	88	16	36	5	18	29	5	19	20	37	8	30	7	95	10	70
	Rate	145.4	142.0	114.8	96.0	189.0	161.2	126.0	115.9	200.3	190.6	144.3	118.2	119.0	145.9	177.4	216.6	218.4	224.2	321.0	221.2
Cryptosporidiosis	Cases	2	0	2	2	2	0	0	0	4	3	0	1	0	4	0	0	0	5	0	5
	Rate	23.4	7.9	6.4	7.6	48.7	21.4	9.9	2.1	25.5	30.8	4.8	14.9	23.5	37.7	39.4	12.2	27.3	17.5	81.6	26.4
Dengue fever	Cases	0	0	2	1	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1
	Rate	1.3	2.2	4.2	2.2	0.8	0.0	1.9	2.1	0.0	0.0	0.0	3.0	1.4	3.1	0.0	0.0	0.0	1.2	0.0	2.3
Gastroenteritis	Cases	0	8	10	3	3	1	1	0	2	0	1	6	5	4	0	2	1	3	0	0
	Rate	0.6	15.9	26.9	8.4	12.5	23.3	20.8	6.4	11.8	1.3	17.4	75.4	29.8	26.8	7.4	13.6	21.2	10.1	3.5	3.9
Giardiasis	Cases	1	15	16	9	12	7	7	0	3	7	1	1	1	7	1	5	0	14	1	8
	Rate	27.2	39.2	56.5	26.2	42.4	57.3	44.8	17.2	34.6	38.5	11.1	11.9	35.3	43.4	49.3	47.9	33.4	38.8	42.6	44.1
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.0	0.2	0.3	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	1.8	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	6.6	3.3	3.0	0.8	0.0	0.5	0.0	0.9	1.3	0.0	0.0	0.7	2.0	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	1	0	2	1	0	2	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	1.3	1.1	0.7	1.4	1.1	1.0	1.4	4.3	2.7	0.6	0.0	1.2	0.0	1.0	0.0	0.7	0.0	1.2	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0	0.0	1.0	0.0	1.4	0.0	1.0	3.5	3.9
Invasive pneumococcal disease	Cases	1	3	0	1	5	1	1	0	1	3	1	0	1	2	1	0	0	2	0	3
	Rate	14.5	7.0	11.4	15.0	11.4	13.6	17.0	6.4	12.7	13.5	9.5	6.5	8.3	9.8	24.6	15.0	3.0	8.2	12.4	11.4
Lead absorption	Cases	0	1	2	3	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	1
	Rate	1.9	6.2	14.7	8.6	2.4	3.9	3.8	6.4	6.4	1.9	15.9	5.9	9.7	5.4	17.2	2.1	6.1	2.2	5.3	4.9
Legionellosis	Cases	1	1	2	1	1	0	1	0	0	0	1	0	0	0	0	0	0	8	1	4
	Rate	3.8	3.8	4.6	2.2	2.7	0.0	0.9	0.0	0.0	0.6	1.6	3.6	0.7	2.4	0.0	3.6	3.0	10.5	3.5	3.3
Leptospirosis	Cases	1	0	0	0	2	0	1	0	0	2	1	1	0	0	0	1	0	0	0	1
	Rate	3.2	0.4	0.4	0.4	8.4	0.0	4.2	6.4	3.6	12.8	9.5	6.5	0.7	0.0	9.9	3.6	15.2	2.2	8.9	1.6
Listeriosis	Cases	1	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.4	1.0	0.8	0.0	2.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0
Malaria	Cases	0	1	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.9	2.6	1.8	0.0	1.0	0.0	0.0	0.0	1.9	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	0	0	0	0	0	0	0
	Rate	5.1	1.8	2.0	6.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.8	1.8	0.0
Meningococcal disease	Cases	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0
	Rate	1.9	1.6	1.8	1.4	1.4	4.9	2.4	2.1	5.5	1.3	1.6	1.8	0.7	3.1	2.5	2.1	0.0	2.0	5.3	1.6
Mumps	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	Rate	0.6	0.4	0.4	0.2	0.5	0.0	0.5	2.1	0.9	0.0	0.0	0.0	0.7	0.7	2.5	2.1	0.0	1.8	3.5	0.0
Paratyphoid 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	0.4	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	9	39	25	20	61	4	35	9	14	3	10	19	46	41	27	43	22	93	8	64
	Rate	51.8	50.6	60.2	67.6	96.3	91.3	89.2	321.9	119.2	80.9	236.2	120.6	252.6	231.1	303.1	487.5	464.2	245.3	111.7	88.4
Rheumatic fever	Cases	1	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	8.9	2.9	2.4	15.6	5.2	5.8	1.4	17.2	1.8	3.9	0.0	1.8	2.1	3.1	0.0	0.0	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	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	0.0	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	2	6	8	4	1	2	2	1	6	2	1	3	3	3	0	7	1	12	0	24
	Rate	18.3	22.2	26.7	14.4	25.6	22.3	17.0	19.3	26.4	18.6	14.3	18.4	22.1	14.9	12.3	40.7	42.5	26.7	51.4	54.8
Shigellosis	Cases	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	5.7	5.3	5.0	1.6	0.0	3.3	0.0	3.6	0.6	0.0	1.2	0.7	3.7	0.0	0.7	0.0	1.8	0.0	2.6
Tuberculosis disease	Cases	0	3	3	4	1	0	0	0	1	0	0	0	1	4	0	1	0	0	0	0
	Rate	1.9	7.9	12.9	9.6	5.7	2.9	5.7	4.3	4.6	13.5	1.6	3.6	6.9	8.1	0.0	10.0	3.0	3.8	0.0	2.9
Typhoid fever	Cases	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	2.2	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	0	3	0	5	3	1	1	0	0	0	0	0	0	0	0	0	0	5	0	1
	Rate	8.2	2.9	1.3	2.2	6.0	2.9	8.5	2.1	7.3	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	5.0	7.1	4.6
Yersiniosis	Cases	1	7	5	3	3	2	2	0	0	0	0	2	1	5	1	0	0	6	1	3
	Rate	10.1	16.7	13.1	11.2	13.1	8.7	10.9	12.9	11.8	7.7	4.8	4.2	15.9	19.0	9.9	2.1	6.1	12.5	23.1	6.2

<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 December 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 December 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	December 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	December 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	712	7033	159.7	971	6689	151.8
Cryptosporidiosis	30	876	19.9	21	610	13.8
Dengue fever	8	81	1.8	4	42	1.0
Gastroenteritis <sup>3</sup>	50	739	16.8	55	630	14.3
Giardiasis	116	1720	39.0	126	1934	43.9
Haemophilus influenzae type b	1	6	0.1	0	8	0.2
Hepatitis A	2	83	1.9	2	26	0.6
Hepatitis B <sup>4</sup>	8	46	1.0	0	51	1.2
Hepatitis C <sup>4</sup>	4	33	0.7	4	26	0.6
Invasive pneumococcal disease	26	491	11.1	31	552	12.5
Lead absorption	11	272	6.2	25	230	5.2
Legionellosis	21	158	3.6	24	158	3.6
Leptospirosis	10	131	3.0	7	68	1.5
Listeriosis	4	26	0.6	4	26	0.6
Malaria	6	38	0.9	2	52	1.2
Measles	1	70	1.6	77	596	13.5
Meningococcal disease	4	87	2.0	5	119	2.7
Mumps	3	29	0.7	1	51	1.2
Paratyphoid fever	0	20	0.5	0	12	0.3
Pertussis	592	5938	134.8	521	1996	45.3
Rheumatic fever	6	181	4.1	17	164	3.7
Rickettsial disease	0	4	0.1	1	6	0.1
Rubella	0	4	0.1	0	22	0.5
Salmonellosis	88	1087	24.7	79	1056	24.0
Shigellosis	6	132	3.0	9	101	2.3
Tuberculosis disease	18	301	6.8	33	309	7.0
Typhoid fever	5	45	1.0	6	45	1.0
VTEC/STEC infection	19	153	3.5	3	153	3.5
Yersiniosis	42	527	12.0	32	514	11.7

<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 December 2012) or the previous year (12 months up to and including December 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 December: Chemical poisoning from the environment (1), Cholera (1), Diphtheria (1), Paralytic shellfish poisoning (29), Taeniasis (1), Tetanus (1), Toxic shellfish poisoning (4)

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

Disease	Dec 2012	Nov 2012	Oct 2012	Sep 2012	Aug 2012	Jul 2012	Jun 2012	May 2012	Apr 2012	Mar 2012	Feb 2012	Jan 2012
Campylobacteriosis	712	710	664	554	531	327	342	521	455	557	661	999
Cryptosporidiosis	30	96	191	172	97	49	38	47	46	47	28	35
Dengue fever	8	4	4	10	6	16	5	5	7	8	5	3
Gastroenteritis <sup>2</sup>	50	146	93	52	35	51	57	46	52	58	48	51
Giardiasis	116	136	131	103	140	140	130	160	154	171	175	164
Haemophilus influenzae type b	1	1	0	0	0	2	1	0	0	0	0	1
Hepatitis A	2	3	2	5	4	3	2	4	4	32	19	3
Hepatitis B <sup>3</sup>	8	5	6	5	3	3	5	3	1	2	2	3
Hepatitis C <sup>3</sup>	4	2	1	1	2	4	1	2	8	2	4	2
Invasive pneumococcal disease	26	34	41	68	73	65	52	30	31	30	18	23
Lead absorption	11	13	13	21	19	27	25	46	19	21	41	16
Legionellosis	21	27	8	9	5	7	15	4	13	15	13	21
Leptospirosis	10	8	13	11	18	10	10	16	15	2	4	14
Listeriosis	4	2	2	4	2	2	2	2	0	1	1	4
Malaria	6	4	1	3	4	4	6	1	4	1	2	2
Measles	1	0	0	1	0	0	1	1	10	5	17	34
Meningococcal disease	4	5	16	7	17	7	7	4	6	3	4	7
Mumps	3	3	4	4	4	1	1	1	1	2	1	4
Paratyphoid fever	0	3	1	1	3	1	1	0	2	1	7	0
Pertussis	592	602	538	567	573	453	508	545	320	379	444	417
Rheumatic fever	6	7	4	11	13	22	41	23	11	11	18	14
Rickettsial disease	0	1	0	0	1	0	2	0	0	0	0	0
Rubella	0	0	1	0	0	0	0	0	1	1	1	0
Salmonellosis	88	102	91	84	84	72	51	89	83	97	114	132
Shigellosis	6	9	9	8	5	15	10	15	12	18	13	12
Tuberculosis disease	18	33	38	20	25	29	20	23	27	15	28	25
Typhoid fever	5	7	4	1	4	4	3	3	4	4	2	4
VTEC/STEC infection	19	9	14	10	14	8	9	7	21	16	11	15
Yersiniosis	42	53	48	45	44	49	44	44	37	45	30	46

<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