

## 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 2 April 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.

### Table of contents

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

### 1. Key notifiable disease trends

- Campylobacteriosis:*** 549 *Campylobacteriosis* cases were notified in March 2012 compared to 474 cases notified in the same month of the previous year (Figure 1). For the 12 month period ending 31 March 2012, the highest incidence rates were reported from South Canterbury (274.9 per 100 000 population, 155 cases), Wairarapa (239.0 per 100 000 population, 97 cases), Hawke's Bay (228.5 per 100 000 population, 356 cases), Canterbury (206.1 per 100 000 population, 1036 cases), and Waikato (201.5 per 100 000 population, 741 cases) DHBs compared to a national rate of 168.5 per 100 000 population. One *campylobacter* outbreak from Waikato DHB was notified including five cases.
- Chemical poisoning from the environment:*** One case of chemical poisoning from the environment was notified in March 2012 but was later re-classified as a hazardous substance injury (organophosphate insecticide-related).
- Cryptosporidiosis:*** 47 cases of cryptosporidiosis were notified in March 2012 compared to 29 cases notified during the same month of the previous year (Figure 2). The cases ranged in age from less than 1 year to 71 years, with the highest number of cases in the 1-4 years (13 cases) and in the 30-39 years (9 cases) age groups. The highest numbers of cases were reported in Capital and Coast (13 cases), and Hutt Valley and Waikato (7 cases each) DHBs. Among the cases where risk factor information was recorded, 50.0% (7/14) had consumed food from a food premises, 43.8% (7/16) had recreational water contact, 41.2% (7/17) had consumed untreated water, and 10.5% (2/19) were overseas during the incubation period.
- Dengue fever:*** Nine cases of dengue fever were reported in March 2012 compared to two cases notified in the same month of the previous year. Overseas travel during the incubation period was reported for seven cases, and the countries visited were indicated for 6 cases as follows: Fiji (3), and Indonesia, Thailand, and Tonga (1 case each). Of the two remaining cases, one was reported to be an overseas visitor to New Zealand and the travel history of the remaining case was unknown. Two of the cases were hospitalised.

- *Hepatitis A*: 33 cases of hepatitis A were notified in March 2012 (23 confirmed, 8 probable, 2 under investigation), compared with none in the same month of the previous year. Ethnicity was reported as Asian (24 cases), Pacific Peoples, European and Other (2 each), Māori (1), and is unknown for the remaining cases. Of the confirmed cases with information available, 76.5% (13/17) cases reported household contact with a confirmed case in previous two months, 18.2% (4/22) reported overseas travel history during the incubation period, and 6.7% (1/15) had exposure to sewage.
- *Legionellosis*: 18 cases of legionellosis were notified in March 2012 (11 confirmed, 3 probable, and 4 under investigation), compared to nine cases notified in the same month of the previous year. The following section relates to the 14 confirmed and probable cases only. These cases were reported in Waitemata (7 cases), Canterbury (3 cases), Auckland (2 cases), Capital and Coast and Southern (1 case each) DHBs. Cases were distributed by age group as follows: 70 years and older (5 cases), 40-49 and 60-69 years (3 cases each), 20-29 years (2 cases), and 50-59 years (1 case). 11 hospitalisations were reported. Three cases had risk information recorded; all reported exposure to environmental sources of infection (two cases reported exposure to compost/potting mix, and one to a possible contaminated water supply). The *Legionella* species was identified in 12 cases: *Legionella pneumophila* serogroup 1 (8 cases), *L. longbeachae* serogroup 1 (2 cases), *Legionella longbeachae* serogroup 2 and *Legionella longbeachae* serogroup 1 or 2 (1 case each).
- *Leprosy*: One case of leprosy was notified in March 2012. The case was a female of Pacific Peoples ethnicity in the 20-29 years age group. The case had been in Kiribati during the incubation period.
- *Pertussis*: 379 cases of pertussis were notified in March 2012, compared with 457 cases notified the previous month and 57 cases in the same month of the previous year. There were 83 (21.9%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx and a further 141 (37.2%) cases were laboratory-confirmed by PCR. Monthly cases continue to decrease after a peak in December last year. The highest number of cases was reported in Nelson Marlborough DHB (72), followed by Canterbury (69), Capital and Coast (47), Counties Manukau (30), and Waitemata and Tairāwhiti (21 cases each) DHBs. Cases occurred in all age groups, with 25.1% (95/378 cases) under 5 years old, including 21 cases aged less than 1 year. The highest numbers occurred in the 1-4 years (74), 5-9 years (47), 30-39 years (45), and 40-49 years (44) age groups. The vaccination status was recorded for 203 (53.6%) cases. Of these, 68 were reported as not vaccinated (including three cases aged less than 6 weeks and therefore not eligible for vaccination), two received one dose of vaccine, two received two doses, 17 received three or more doses, and 114 were reported as being vaccinated but no dose information was available. Of the 310 cases with hospitalisation information, 15 were hospitalised. No deaths were reported in March.
- *Shigellosis*: 18 cases of shigellosis were notified in March 2012 compared with 13 cases notified in the previous month and 14 cases in the same month of the previous year. Cases occurred in the following DHBs: Waitemata (4 cases), and Auckland, Counties Manukau, Waikato, Bay of Plenty, Capital and Coast, Canterbury, and Southern (2 cases each). The serotype involved was identified for 12 cases: *Shigella sonnei* biotype g (4), *S. boydii* 13 (3), *S. flexneri* 2a (3), and *S. flexneri* (2). Overseas travel during the incubation period was recorded for six cases. Countries visited or lived in were India (4 cases), and Fiji and Samoa (1 case each).

## 2. Outbreaks

Finalised outbreak reports: 11 outbreak reports were created and finalised in EpiSurv during March 2012 (Table 1). Two cases were hospitalised one each from norovirus and *S. Paratyphi*. No deaths were reported.

**Table 1: Summary of finalised outbreaks created in EpiSurv during March 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
Gastroenteritis (acute) <sup>1</sup>	Auckland, Waikato, Capital and Coast	3	12
<i>Giardia</i>	Waitemata	2	6
Norovirus	MidCentral, Capital and Coast	3	82
Rotavirus	Hutt	1	5
<i>Salmonella</i>	Bay of Plenty	1	3
<i>Salmonella</i> Paratyphi <sup>1,2</sup>	Auckland	1	2
<b>Total</b>		<b>11</b>	<b>110</b>

<sup>1</sup>Includes outbreaks reported to PHSS prior to March 2012: acute gastroenteritis (1) and *S. Paratyphi* (1) both reported in February 2012.

<sup>2</sup>Outbreak reported in Auckland DHB had an overseas exposure location (India).

Interim outbreak reports: 34 interim outbreaks were created in EpiSurv during March 2012 (Table 2). The status of the outbreak and cases involved are subject to change, as more data becomes available.

**Table 2: Summary of interim outbreaks created in EpiSurv during March 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato	1	5
<i>Cryptosporidium</i> <sup>1</sup>	Waikato	1	-
	Waitemata, Auckland, Counties Manukau, Waikato, Taranaki,		
Gastroenteritis (acute) <sup>2</sup>	Hawke's Bay, Whanganui, MidCentral, Wairarapa, Nelson Marlborough, Southern	23	97
<i>Giardia</i>	Auckland, Waikato	3	2
Norovirus <sup>2</sup>	Waitemata, Nelson Marlborough	2	15
Rotavirus	Taranaki	1	8
<i>Salmonella</i> <sup>2</sup>	Waikato, Capital and Coast, Southern	3	12
<b>Total</b>		<b>34</b>	<b>139</b>

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

<sup>2</sup>Includes outbreaks reported to PHSS prior to March 2012: acute gastroenteritis (1), norovirus (1) and *Salmonella* (1) all reported in February 2012.

## 3. Deaths from notifiable diseases

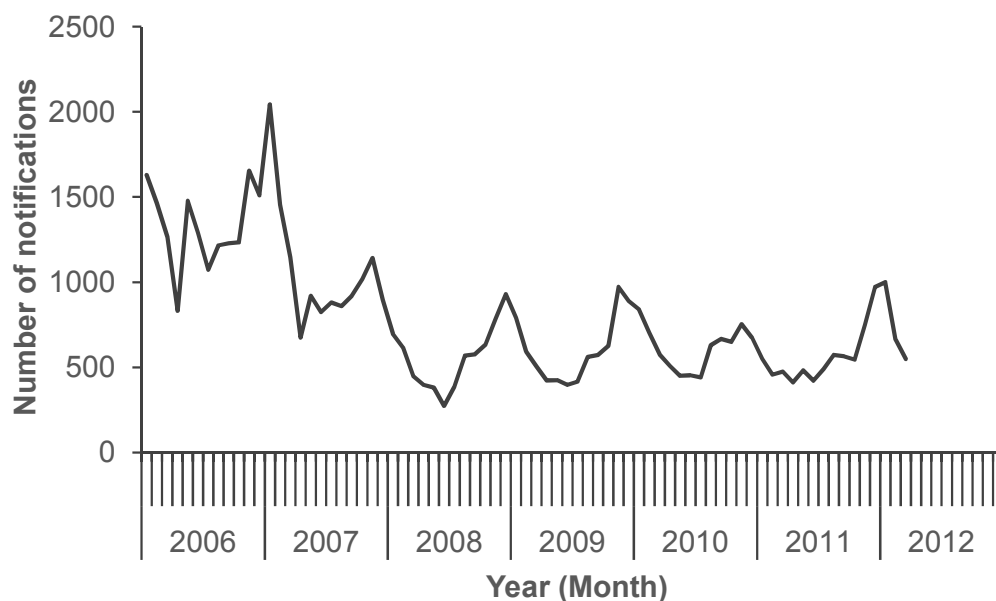
Two deaths, where the primary cause of death was a notifiable disease, were reported in March 2012 (Table 3).

**Table 3: Summary of deaths from notifiable diseases reported during March 2012**

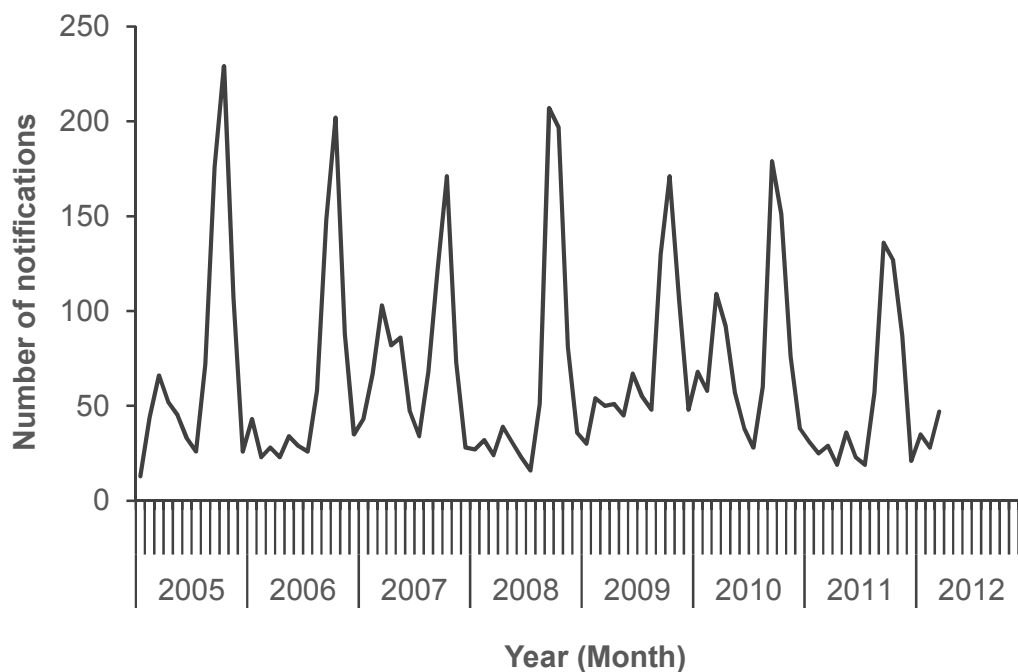
Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Auckland	50-59
	Capital and Coast	70+

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

**Figure 1: Campylobacteriosis notifications by month, January 2006 – March 2012**



**Figure 2: Cryptosporidiosis notifications by month, January 2006 – March 2012**



## 5. Data tables

### National Notifiable Disease Surveillance Data March 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	March 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	549	2214	168.5	474	1481	153.6
Cryptosporidiosis	47	110	14.4	29	85	18.4
Dengue fever	9	18	1.1	2	12	1.2
Gastroenteritis <sup>3</sup>	50	152	13.6	78	184	12.8
Giardiasis	170	510	41.5	214	616	46.8
Haemophilus influenzae type b	2	3	0.2	1	1	0.1
Hepatitis A	33	55	1.7	0	8	0.9
Hepatitis B <sup>4</sup>	12	20	1.3	5	12	1.1
Hepatitis C <sup>4</sup>	2	8	0.7	2	5	0.4
Invasive pneumococcal disease	29	70	12.4	31	76	12.3
Lead absorption	20	78	5.2	29	77	5.9
Legionellosis	18	56	3.7	9	50	4.4
Leptospirosis	5	23	1.8	7	13	1.4
Listeriosis	1	6	0.5	3	9	0.5
Malaria	1	5	1.0	2	12	0.9
Measles	8	59	14.1	8	35	1.2
Meningococcal disease	4	15	2.7	7	16	2.1
Mumps	6	12	1.2	6	12	0.9
Paratyphoid fever	1	8	0.3	2	6	0.5
Pertussis	379	1255	69.6	57	185	17.5
Rheumatic fever	12	45	3.9	19	37	4.0
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	2	3	0.5	1	3	0.2
Salmonellosis	96	342	23.4	124	369	27.0
Shigellosis	18	43	2.5	14	33	2.6
Tuberculosis disease	16	69	6.6	40	91	7.2
Typhoid fever	4	10	0.9	12	17	0.8
VTEC/STEC infection	17	45	3.0	23	67	3.7
Yersiniosis	49	128	11.6	39	129	9.7

<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 March 2012) or the previous

<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 March: Chemical poisoning from the environment (1) and Leprosy (1)

## Notifiable Disease Surveillance Data by District Health Board March 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 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	21	46	50	37	47	16	24	4	13	32	5	13	11	30	5	25	4	80	20	66
	Rate	161.2	157.2	127.2	112.2	201.5	153.4	141.1	154.5	174.8	228.5	152.2	147.9	164.7	192.8	239.0	173.0	191.1	206.1	274.9	198.1
Cryptosporidiosis	Cases	2	3	1	2	7	1	0	0	0	3	0	1	7	13	1	0	0	3	2	1
	Rate	18.3	8.4	6.6	7.8	37.3	17.5	9.0	6.4	18.2	12.2	9.5	16.0	15.9	13.6	34.5	10.0	12.1	10.7	49.7	21.2
Dengue fever	Cases	0	3	1	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
	Rate	0.0	1.3	2.6	1.4	0.5	1.0	1.4	2.1	0.0	0.0	0.0	2.4	0.7	1.7	0.0	0.0	3.0	0.2	0.0	1.0
Gastroenteritis	Cases	0	6	6	1	7	4	3	0	1	0	1	13	1	2	0	2	0	3	0	0
	Rate	0.0	11.5	13.8	8.0	7.3	15.5	14.2	6.4	10.9	1.3	17.4	66.5	30.4	31.6	7.4	7.9	12.1	10.5	1.8	3.9
Giardiasis	Cases	3	20	24	17	16	8	11	1	2	4	0	3	4	8	2	12	0	23	2	10
	Rate	38.6	35.7	55.6	31.8	45.7	49.5	51.4	21.5	17.3	44.3	14.3	23.8	36.0	63.8	41.9	57.9	57.6	38.4	62.1	32.3
Haemophilus influenzae type b	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.0
Hepatitis A	Cases	0	18	8	5	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	5.7	4.2	2.6	0.3	0.0	0.5	0.0	0.0	1.9	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	1	3	6	0	0	0	0	1	0	0	0	1	0	0	0	0
	Rate	1.9	0.7	1.5	1.2	0.8	7.8	3.8	12.9	0.9	0.6	0.0	1.2	2.1	0.0	0.0	1.4	0.0	0.8	0.0	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	2.1	0.0	1.0	3.5	4.2
Invasive pneumococcal	Cases	2	0	7	3	2	0	2	0	1	1	0	0	1	4	1	0	0	2	0	3
	Rate	15.8	10.3	12.5	15.6	12.0	29.1	14.2	10.7	9.1	14.1	7.9	11.9	11.1	7.1	22.2	12.2	0.0	11.9	16.0	10.4
Lead absorption	Cases	0	1	6	4	0	0	0	2	0	1	0	0	1	1	1	1	0	0	0	2
	Rate	0.6	3.1	11.8	6.0	3.3	3.9	1.9	12.9	3.6	5.8	19.0	5.3	13.1	4.8	4.9	3.6	3.0	2.2	12.4	3.3
Legionellosis	Cases	1	9	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	1
	Rate	6.3	4.9	3.5	2.0	1.6	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	2.4	0.0	6.4	3.0	11.3	1.8	2.6
Leptospirosis	Cases	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0
	Rate	3.8	0.4	0.2	0.8	3.0	0.0	1.4	6.4	2.7	7.7	9.5	3.0	0.0	0.3	2.5	3.6	6.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	1.4	0.5	0.0	0.5	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.2	1.6	0.8	0.0	1.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	0	2	1	3	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	Rate	3.8	32.8	46.6	19.6	8.4	4.9	3.3	6.4	1.8	14.1	0.0	0.6	0.7	4.8	2.5	0.7	3.0	3.4	1.8	5.9
Meningococcal disease	Cases	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	9.5	1.8	1.8	3.6	3.5	4.9	1.4	2.1	5.5	1.9	3.2	1.8	3.5	2.0	2.5	1.4	3.0	1.6	1.8	2.3
Mumps	Cases	0	0	1	1	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0
	Rate	0.6	0.2	1.3	1.0	0.3	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	1.0	2.5	6.4	0.0	2.2	0.0	0.7
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Pertussis	Cases	9	21	19	30	16	7	10	21	5	5	1	7	19	47	5	72	12	69	0	4
	Rate	20.2	17.8	19.7	22.4	31.0	25.2	21.7	201.7	30.9	98.2	22.2	20.8	164.0	118.4	39.4	506.1	852.5	104.2	60.3	23.5
Rheumatic fever	Cases	0	1	1	3	0	1	1	2	0	0	0	0	1	1	0	0	1	0	0	0
	Rate	15.2	1.5	3.7	9.0	3.5	10.7	4.2	17.2	0.9	3.2	3.2	5.3	4.8	3.1	0.0	2.1	3.0	0.0	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	0.0	0.4	0.2	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	1	0	0	0	0	1	0	0
	Rate	1.3	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.7	0.0	0.0	0.0	1.0	1.8	0.3
Salmonellosis	Cases	2	13	6	3	6	1	7	0	2	2	0	3	2	3	1	7	1	17	5	15
	Rate	17.7	21.3	23.0	10.2	30.2	27.2	15.1	25.8	19.1	14.1	12.7	19.0	20.8	20.7	22.2	32.9	15.2	28.8	60.3	43.4
Shigellosis	Cases	0	4	2	2	2	0	2	0	0	0	0	0	0	2	0	0	0	2	0	2
	Rate	0.6	4.8	4.8	4.0	1.4	1.9	3.3	2.1	1.8	0.6	1.6	0.0	0.0	2.4	0.0	0.0	0.0	1.8	1.8	2.0
Tuberculosis disease	Cases	0	2	3	1	2	0	1	0	0	3	0	0	0	2	0	0	0	2	0	0
	Rate	1.9	6.2	16.2	9.6	5.2	1.9	5.7	4.3	0.9	8.3	4.8	7.1	2.8	11.2	0.0	2.1	3.0	3.4	1.8	2.3
Typhoid fever	Cases	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.6	2.6	1.0	0.0	0.0	0.9	2.1	0.0	0.6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	1	3	1	2	2	0	3	1	1	0	0	0	0	0	0	0	0	2	0	1
	Rate	4.4	2.2	2.4	1.2	6.0	2.9	6.1	8.6	5.5	1.3	0.0	1.2	0.7	0.3	0.0	3.6	6.1	4.8	7.1	2.3
Yersiniosis	Cases	0	5	8	9	2	0	1	0	1	1	3	0	0	8	0	1	0	6	3	1
	Rate	4.4	12.6	14.5	11.8	23.4	16.5	8.5	6.4	12.7	7.1	7.9	1.8	17.3	13.9	7.4	4.3	18.2	11.1	10.6	3.9

<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 March 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 March 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 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	21	46	50	37	47	16	24	4	13	32	5	13	11	30	5	25	4	80	20	66
	Rate	161.2	157.2	127.2	112.2	201.5	153.4	141.1	154.5	174.8	228.5	152.2	147.9	164.7	192.8	239.0	173.0	191.1	206.1	274.9	198.1
Cryptosporidiosis	Cases	2	3	1	2	7	1	0	0	0	3	0	1	7	13	1	0	0	3	2	1
	Rate	18.3	8.4	6.6	7.8	37.3	17.5	9.0	6.4	18.2	12.2	9.5	16.0	15.9	13.6	34.5	10.0	12.1	10.7	49.7	21.2
Dengue fever	Cases	0	3	1	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
	Rate	0.0	1.3	2.6	1.4	0.5	1.0	1.4	2.1	0.0	0.0	0.0	2.4	0.7	1.7	0.0	0.0	3.0	0.2	0.0	1.0
Gastroenteritis	Cases	0	6	6	1	7	4	3	0	1	0	1	13	1	2	0	2	0	3	0	0
	Rate	0.0	11.5	13.8	8.0	7.3	15.5	14.2	6.4	10.9	1.3	17.4	66.5	30.4	31.6	7.4	7.9	12.1	10.5	1.8	3.9
Giardiasis	Cases	3	20	24	17	16	8	11	1	2	4	0	3	4	8	2	12	0	23	2	10
	Rate	38.6	35.7	55.6	31.8	45.7	49.5	51.4	21.5	17.3	44.3	14.3	23.8	36.0	63.8	41.9	57.9	57.6	38.4	62.1	32.3
Haemophilus influenzae type b	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.0
Hepatitis A	Cases	0	18	8	5	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	5.7	4.2	2.6	0.3	0.0	0.5	0.0	0.0	1.9	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	1	3	6	0	0	0	0	1	0	0	0	1	0	0	0	0
	Rate	1.9	0.7	1.5	1.2	0.8	7.8	3.8	12.9	0.9	0.6	0.0	1.2	2.1	0.0	0.0	1.4	0.0	0.8	0.0	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	0.0	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	2.1	0.0	1.0	3.5	4.2
Invasive pneumococcal disease	Cases	2	0	7	3	2	0	2	0	1	1	0	0	1	4	1	0	0	2	0	3
	Rate	15.8	10.3	12.5	15.6	12.0	29.1	14.2	10.7	9.1	14.1	7.9	11.9	11.1	7.1	22.2	12.2	0.0	11.9	16.0	10.4
Lead absorption	Cases	0	1	6	4	0	0	0	2	0	1	0	0	1	1	1	1	0	0	0	2
	Rate	0.6	3.1	11.8	6.0	3.3	3.9	1.9	12.9	3.6	5.8	19.0	5.3	13.1	4.8	4.9	3.6	3.0	2.2	12.4	3.3
Legionellosis	Cases	1	9	2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0	1
	Rate	6.3	4.9	3.5	2.0	1.6	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	2.4	0.0	6.4	3.0	11.3	1.8	2.6
Leptospirosis	Cases	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0
	Rate	3.8	0.4	0.2	0.8	3.0	0.0	1.4	6.4	2.7	7.7	9.5	3.0	0.0	0.3	2.5	3.6	6.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	1.4	0.5	0.0	0.5	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.2	1.6	0.8	0.0	1.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	0	2	1	3	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	Rate	3.8	32.8	46.6	19.6	8.4	4.9	3.3	6.4	1.8	14.1	0.0	0.6	0.7	4.8	2.5	0.7	3.0	3.4	1.8	5.9
Meningococcal disease	Cases	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	9.5	1.8	1.8	3.6	3.5	4.9	1.4	2.1	5.5	1.9	3.2	1.8	3.5	2.0	2.5	1.4	3.0	1.6	1.8	2.3
Mumps	Cases	0	0	1	1	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0
	Rate	0.6	0.2	1.3	1.0	0.3	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	1.0	2.5	6.4	0.0	2.2	0.0	0.7
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Pertussis	Cases	9	21	19	30	16	7	10	21	5	5	1	7	19	47	5	72	12	69	0	4
	Rate	20.2	17.8	19.7	22.4	31.0	25.2	21.7	201.7	30.9	98.2	22.2	20.8	164.0	118.4	39.4	506.1	852.5	104.2	60.3	23.5
Rheumatic fever	Cases	0	1	1	3	0	1	1	2	0	0	0	0	1	1	0	0	1	0	0	0
	Rate	15.2	1.5	3.7	9.0	3.5	10.7	4.2	17.2	0.9	3.2	3.2	5.3	4.8	3.1	0.0	2.1	3.0	0.0	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	0.0	0.4	0.2	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	1	0	0	0	0	1	0	0
	Rate	1.3	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.7	0.0	0.0	0.0	1.0	1.8	0.3
Salmonellosis	Cases	2	13	6	3	6	1	7	0	2	2	0	3	2	3	1	7	1	17	5	15
	Rate	17.7	21.3	23.0	10.2	30.2	27.2	15.1	25.8	19.1	14.1	12.7	19.0	20.8	20.7	22.2	32.9	15.2	28.8	60.3	43.4
Shigellosis	Cases	0	4	2	2	2	0	2	0	0	0	0	0	0	2	0	0	0	2	0	2
	Rate	0.6	4.8	4.8	4.0	1.4	1.9	3.3	2.1	1.8	0.6	1.6	0.0	0.0	2.4	0.0	0.0	0.0	1.8	1.8	2.0
Tuberculosis disease	Cases	0	2	3	1	2	0	1	0	0	3	0	0	0	2	0	0	0	2	0	0
	Rate	1.9	6.2	16.2	9.6	5.2	1.9	5.7	4.3	0.9	8.3	4.8	7.1	2.8	11.2	0.0	2.1	3.0	3.4	1.8	2.3
Typhoid fever	Cases	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.6	2.6	1.0	0.0	0.0	0.9	2.1	0.0	0.6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	1	3	1	2	2	0	3	1	1	0	0	0	0	0	0	0	0	2	0	1
	Rate	4.4	2.2	2.4	1.2	6.0	2.9	6.1	8.6	5.5	1.3	0.0	1.2	0.7	0.3	0.0	3.6	6.1	4.8	7.1	2.3
Yersiniosis	Cases	0	5	8	9	2	0	1	0	1	1	3	0	0	8	0	1	0	6	3	1
	Rate	4.4	12.6	14.5	11.8	23.4	16.5	8.5	6.4	12.7	7.1	7.9	1.8	17.3	13.9	7.4	4.3	18.2	11.1	10.6	3.9

<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 March 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 for the 12 months ending March-2012 by District Health Board

Disease	Cases for the 12 months ending March 2012 <sup>1 2</sup> by District Health Board																				
	Total	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	7424	255	858	581	561	741	158	299	72	192	356	96	249	238	568	97	242	63	1036	155	607
Cryptosporidiosis	635	29	46	30	39	137	18	19	3	20	19	6	27	23	40	14	14	4	54	28	65
Dengue fever	48	0	7	12	7	2	1	3	1	0	0	0	4	1	5	0	0	1	1	0	3
Gastroenteritis	600	0	63	63	40	27	16	30	3	12	2	11	112	44	93	3	11	4	53	1	12
Giardiasis	1828	61	195	254	159	168	51	109	10	19	69	9	40	52	188	17	81	19	193	35	99
Haemophilus influenzae type b	10	1	0	0	0	0	2	2	0	1	1	0	0	0	1	0	0	0	1	1	0
Hazardous substances injury	13	0	2	5	1	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	73	1	31	19	13	1	0	1	0	0	3	0	0	0	1	0	2	0	1	0	0
Hepatitis B	59	3	4	7	6	3	8	8	6	1	1	0	2	3	0	0	2	0	4	0	1
Hepatitis C	30	0	1	2	2	0	0	0	0	0	1	0	0	0	1	0	3	0	5	2	13
Invasive pneumococcal disease	546	25	56	57	78	44	30	30	5	10	22	5	20	16	21	9	17	0	60	9	32
Lead absorption	231	1	17	54	30	12	4	4	6	4	9	12	9	19	14	2	5	1	11	7	10
Legionellosis	163	10	27	16	10	6	0	3	0	2	2	1	2	1	7	0	9	1	57	1	8
Leptospirosis	80	6	2	1	4	11	0	3	3	3	12	6	5	0	1	1	5	2	10	2	3
Listeriosis	23	1	3	1	7	2	0	1	0	1	0	0	0	0	1	0	0	1	3	0	2
Malaria	45	2	6	10	8	3	0	4	0	2	2	0	0	0	1	0	2	0	3	1	1
Measles	621	6	179	213	98	31	5	7	3	2	22	0	1	1	14	1	1	1	17	1	18
Meningococcal disease	118	15	10	8	18	13	5	3	1	6	3	2	3	5	6	1	2	1	8	1	7
Mumps	51	1	1	6	5	1	0	3	0	2	2	1	2	1	3	1	9	0	11	0	2
Paratyphoid fever	14	0	1	7	2	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1
Pertussis	3068	32	97	90	112	114	26	46	94	34	153	14	35	237	349	16	708	281	524	34	72
Rheumatic fever	172	24	8	17	45	13	11	9	8	1	5	2	9	7	9	0	3	1	0	0	0
Rickettsial disease	5	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	23	2	3	7	0	0	0	0	0	0	0	0	0	2	2	0	0	0	5	1	1
Salmonellosis	1029	28	116	105	51	111	28	32	12	21	22	8	32	30	61	9	46	5	145	34	133
Shigellosis	111	1	26	22	20	5	2	7	1	2	1	1	0	0	7	0	0	0	9	1	6
Tuberculosis disease	289	3	34	74	48	19	2	12	2	1	13	3	12	4	33	0	3	1	17	1	7
Typhoid fever	38	0	14	12	5	0	0	2	1	0	1	0	2	0	0	0	0	0	1	0	0
VTEC/STEC infection	132	7	12	11	6	22	3	13	4	6	2	0	2	1	1	0	5	2	24	4	7
Yersiniosis	513	7	69	66	59	86	17	18	3	14	11	5	3	25	41	3	6	6	56	6	12
<b>Total</b>	<b>17992</b>	<b>521</b>	<b>1890</b>	<b>1751</b>	<b>1434</b>	<b>1574</b>	<b>387</b>	<b>670</b>	<b>238</b>	<b>359</b>	<b>735</b>	<b>182</b>	<b>571</b>	<b>710</b>	<b>1469</b>	<b>174</b>	<b>1176</b>	<b>394</b>	<b>2310</b>	<b>325</b>	<b>1122</b>

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

<sup>2</sup> Further data are available from the local Medical Officer of Health



# National Notifiable Disease Surveillance Data March 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	March 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	549	2214	168.5	474	1481	153.6
Cryptosporidiosis	47	110	14.4	29	85	18.4
Dengue fever	9	18	1.1	2	12	1.2
Gastroenteritis <sup>3</sup>	50	152	13.6	78	184	12.8
Giardiasis	170	510	41.5	214	616	46.8
Haemophilus influenzae type b	2	3	0.2	1	1	0.1
Hepatitis A	33	55	1.7	0	8	0.9
Hepatitis B <sup>4</sup>	12	20	1.3	5	12	1.1
Hepatitis C <sup>4</sup>	2	8	0.7	2	5	0.4
Invasive pneumococcal disease	29	70	12.4	31	76	12.3
Lead absorption	20	78	5.2	29	77	5.9
Legionellosis	18	56	3.7	9	50	4.4
Leptospirosis	5	23	1.8	7	13	1.4
Listeriosis	1	6	0.5	3	9	0.5
Malaria	1	5	1.0	2	12	0.9
Measles	8	59	14.1	8	35	1.2
Meningococcal disease	4	15	2.7	7	16	2.1
Mumps	6	12	1.2	6	12	0.9
Paratyphoid fever	1	8	0.3	2	6	0.5
Pertussis	379	1255	69.6	57	185	17.5
Rheumatic fever	12	45	3.9	19	37	4.0
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	2	3	0.5	1	3	0.2
Salmonellosis	96	342	23.4	124	369	27.0
Shigellosis	18	43	2.5	14	33	2.6
Tuberculosis disease	16	69	6.6	40	91	7.2
Typhoid fever	4	10	0.9	12	17	0.8
VTEC/STEC infection	17	45	3.0	23	67	3.7
Yersiniosis	49	128	11.6	39	129	9.7

<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 March 2012) or the previous year

<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 March: Chemical poisoning from the environment (1) , Hepatitis NOS (1) ,