

## 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 April 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

*Cryptosporidiosis*: 187 cases of cryptosporidiosis were notified in March 2013 compared to 47 cases notified during the same month of the previous year (Figure 1). The cases ranged in age from eight months to 72 years, with the highest numbers of cases in the 1-4 years (56 cases) followed by those in the 5-9 years (31 cases), and 30-39 years (29 cases) age groups. The highest numbers of cases were reported in Hawke's Bay (57 cases), Waikato (35 cases), and Capital and Coast (22 cases) DHBs. Among the cases where risk factor information was recorded, 57.9% (77/133) had recreational contact with water, 56.9% (70/123) had contact with other symptomatic people, 51.6% (63/122) had contact with faecal matter, 51.4% (72/140) attended school, pre-school or childcare, and 44.8% (52/116) had consumed food from a food premises. Nineteen *Cryptosporidium* outbreaks were reported in March, including 11 finalised outbreaks (30 cases) and eight interim outbreaks (case numbers yet to be determined).

*Cronobacter species*: One confirmed case of cronobacter species was notified in March 2013. The case was a male in the 30-39 year age group from MidCentral DHB.

*Hydatid*: One case of hydatid disease was notified in March 2013. The case was a male in the 60-69 year age group from Canterbury DHB and has had hydatid since childhood.

*Measles*: One confirmed case of measles was notified in March 2013. The case was a male in the 10-14 year age group from Capital and Coast DHB. The case travelled overseas during the incubation period.

*Meningococcal disease*: Seven cases of meningococcal disease were notified in March 2013 compared to three cases notified in the same month of the previous year. Cases occurred in the following age groups: 15-19 years (2 cases), and 1-4 years, 5-9 years, 30-39 years, 40-49 years and 60-69 years (1 case each). Cases were from the following DHBs: Canterbury (3 cases), and Northland, Waikato, Taranaki and Hutt Valley (1 case each). Six cases were hospitalised and one death was reported. 71.2% (5/7) of cases were laboratory confirmed and the strain type was determined for four cases: group C (2 cases including 1 C:P1.5-1,10-8), group B:P1.7-2,4, and group Y (1 case each).

*Q fever*: One case of Q fever was notified in March 2013 from Southern DHB. The case has since been made 'not a case' as laboratory criteria were not met.

*Rheumatic fever*: Based on the earliest date available<sup>1</sup>, 19 cases of rheumatic fever (18 initial attack, 1 recurrent attack) were notified in March 2013, compared to 11 cases during the same month of the previous year (Figure 2). Of the 17 cases with hospitalisation status recorded, all were hospitalised. All of the cases were notified from the North Island with the highest number of cases notified from Counties Manukau DHB (10 cases). All cases were reported among Māori (10 cases) and Pacific Peoples (9 cases) ethnic groups. The majority of cases (12 cases) were aged between 5 and 14 years.

*Rickettsial disease*: One confirmed case of rickettsial disease was notified in March 2013. The case was a female in the 50-59 years age group from Northland DHB and was in Australia during the incubation period.

*Taeniasis*: One confirmed case of taeniasis was notified in March 2013. The case was a female in the 20-29 years age group from Capital and Coast DHB and was in Ethiopia during the incubation period.

*Tuberculosis disease*: 26 cases of tuberculosis disease were notified in March 2013, all of which were cases of new tuberculosis disease. This compares with 15 cases notified in the same month of the previous year. Fourteen cases were laboratory confirmed. The highest numbers of cases were reported in the Auckland region (11 cases). The cases ranged in age from four months to 89 years, with the highest numbers of cases in the 70 years and over (6 cases) followed by those in the 60-69 years (5 cases), and 30-39 years and 40-49 years (4 cases each) age groups. Of the 18 cases for which place of birth was recorded, 12 (66.7%) were born outside New Zealand. The *Mycobacterium* species was recorded in 78.6% (11/14) of the laboratory confirmed cases, all due to *M. tuberculosis*.

*VTEC/STEC infection*: 31 cases of VTEC/STEC infection were notified in March 2013. One case has since been made 'not a case'. This compares with 16 cases notified in the same month of the previous year. Cases were from the following DHBs: Waikato (13 cases), Waitemata (6 cases), Counties Manukau (5 cases), Canterbury (2 cases), and Northland, Auckland, Nelson Marlborough and South Canterbury (1 case each). The highest number of cases occurred in the 1-4 years and 20-29 years age groups (6 cases each). Thirteen cases were hospitalised of which three had haemolytic uraemic syndrome. The serotype/organism was identified by the Enteric Reference Laboratory for 26 cases, of which 25 were *Escherichia coli* O157:H7. The remaining case was *E. coli* O26:H11. Among the cases for which risk factor was recorded, 75.0% (9/12) had contact with animals, 50.0% (5/10) had consumed water from a non-habitual supply and 46.2% (6/13) had recreational contact with water.

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<sup>1</sup> The 'earliest' date refers to the earliest recorded date for the case (onset or hospitalisation date rather than report date, if available). 'Earliest' date, as opposed to 'report date' alone, is used throughout the analysis of rheumatic fever notification data.

## 2. Outbreaks

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato, Southern	2	5
<i>Campylobacter</i>	Waikato	1	2
Ciguatera fish poisoning	Waikato	1	2
<i>Cryptosporidium</i> <sup>1,3</sup>	Auckland, Waikato, Capital and Coast	11	30
Gastroenteritis <sup>2</sup>	Auckland, Capital and Coast, Canterbury	4	134
<i>Giardia</i> <sup>3</sup>	Waikato	4	12
Histamine fish poisoning	Capital and Coast	1	18
Norovirus	Counties Manukau, Taranaki, MidCentral, Canterbury	4	66
<i>Salmonella</i>	Waikato	1	3
VTEC/STEC <sup>2,3</sup>	Auckland, Waikato	3	11
<b>Total</b>		<b>30</b>	<b>273</b>

<sup>1</sup>One *Cryptosporidium* outbreak reported in Auckland DHB had an overseas exposure location (Fiji).

<sup>2</sup>Includes gastroenteritis (1) and VTEC/STEC (1) outbreaks reported to PHSs prior to March 2013, reported in February.

<sup>3</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 March 2013**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> <sup>1</sup>	Waikato	2	-
<i>Clostridium perfringens</i>	Whanganui	1	20
<i>Cryptosporidium</i> <sup>1,2</sup>	Waikato, Hawke's Bay	8	100
Gastroenteritis <sup>1,2</sup>	Waitemata, Auckland, Counties Manukau, Waikato, Nelson Marlborough, Southern	21	143
<i>Giardia</i> <sup>1</sup>	Auckland	1	-
Lead poisoning	Auckland	2	15
Norovirus	Whanganui, Southern	2	17
<i>Salmonella</i>	Southern	1	3
VTEC/STEC <sup>1</sup>	Waikato	1	-
<b>Total</b>		<b>39</b>	<b>298</b>

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

<sup>2</sup>Includes *Cryptosporidium* (1) and gastroenteritis (1) outbreaks reported to PHSs prior to March 2013, reported in February.

### 3. Deaths from notifiable diseases

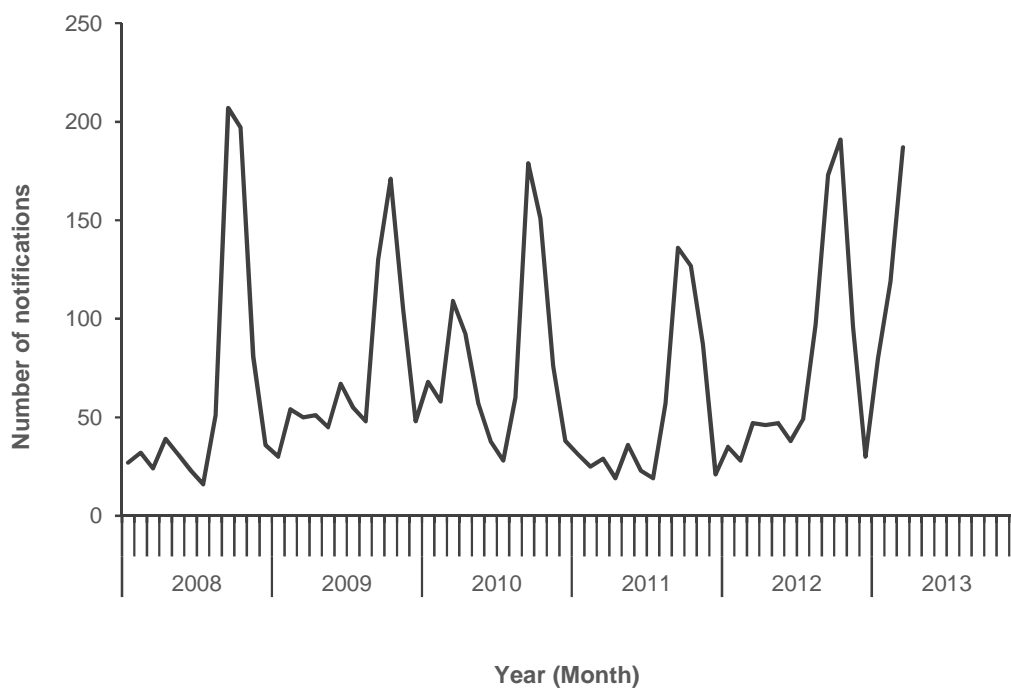
One death, where the primary cause of death was a notifiable disease, was reported in March 2013 (Table 3).

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

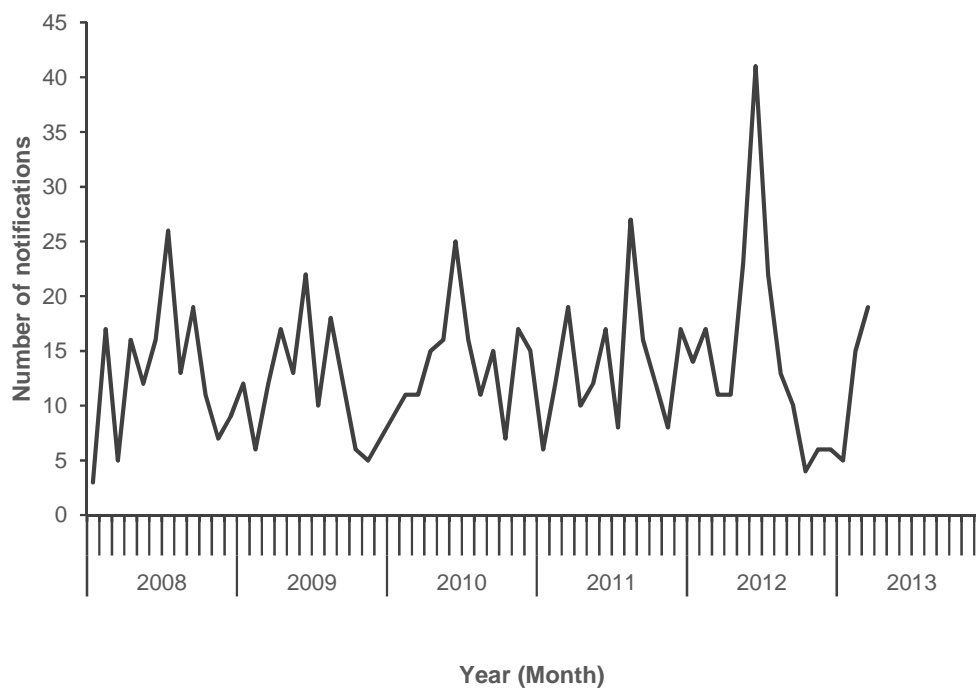
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Meningococcal disease	Taranaki	40 to 49 years

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

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



**Figure 2: Rheumatic fever notifications by month, January 2008 – March 2013**



## 5. Data tables

### National Notifiable Disease Surveillance Data March 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	March 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	384	1635	145.3	557	2216	168.5
Cryptosporidiosis	187	386	26.0	47	110	14.4
Dengue fever	9	28	2.0	8	16	1.0
Gastroenteritis <sup>3</sup>	40	138	16.2	58	157	13.7
Giardiasis	135	431	36.9	171	510	41.5
Haemophilus influenzae type b	0	1	0.1	0	1	0.2
Hepatitis A	3	17	1.0	32	53	1.6
Hepatitis B <sup>4</sup>	4	9	0.9	2	7	1.0
Hepatitis C <sup>4</sup>	8	14	0.9	2	8	0.7
Invasive pneumococcal disease	29	79	11.2	30	71	12.4
Lead absorption	33	72	6.0	21	78	5.2
Legionellosis	10	42	3.2	15	49	3.6
Leptospirosis	6	18	2.4	2	18	1.7
Listeriosis	2	10	0.7	1	6	0.5
Malaria	1	15	1.1	1	5	1.0
Measles	1	1	0.3	5	56	14.0
Meningococcal disease	7	14	1.9	3	14	2.7
Mumps	6	13	0.7	2	7	1.0
Paratyphoid fever	2	8	0.5	2	9	0.4
Pertussis	362	1375	136.2	379	1240	69.3
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	19	39	3.9	11	42	3.9
Rickettsial disease	1	2	0.1	0	0	0.1
Rubella	0	0	0.0	1	2	0.5
Salmonellosis	95	349	24.5	96	342	23.3
Shigellosis	15	47	3.1	18	43	2.5
Tuberculosis disease	26	76	6.9	15	68	6.5
Typhoid fever	3	29	1.4	4	10	0.9
VTEC/STEC infection	31	64	3.8	16	42	2.9
Yersiniosis	41	111	11.4	45	121	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 March 2013) 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: Cronobacter species (1), Hydatid disease (1), Taeniasis (1)

# Notifiable Disease Surveillance Data by District Health Board March 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 2013 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Wairarapa	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	11	38	24	24	41	13	10	3	13	25	7	14	5	24	3	16	5	60	11	37
	Rate	138.3	126.6	107.1	88.6	178.5	148.4	112.2	94.0	205.8	181.5	128.0	115.8	110.2	132.6	125.5	181.9	221.9	193.6	291.8	203.7
Cryptosporidiosis	Cases	0	7	2	3	35	13	10	0	5	57	3	6	8	22	1	3	0	7	2	3
	Rate	20.8	9.2	7.6	8.3	66.2	44.6	16.0	6.4	30.8	91.4	16.0	19.5	22.9	42.4	39.4	13.5	30.4	20.6	86.6	28.9
Dengue fever	Cases	0	1	2	1	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0
	Rate	1.3	2.5	5.4	2.4	0.5	1.9	0.5	2.1	0.0	0.6	0.0	2.4	0.7	3.0	2.5	0.7	0.0	1.6	0.0	1.3
Gastroenteritis	Cases	0	5	7	2	2	0	1	0	0	0	7	2	5	6	1	1	0	1	0	0
	Rate	0.6	15.0	24.0	9.1	12.4	16.5	20.3	6.4	10.0	0.6	22.4	70.3	34.7	28.3	17.2	9.2	21.3	9.2	1.8	4.2
Giardiasis	Cases	4	13	17	18	13	7	6	0	2	3	2	4	2	11	2	4	3	12	2	10
	Rate	29.1	33.8	45.0	28.7	43.7	58.2	45.3	15.0	35.4	32.2	17.6	12.4	33.3	41.7	41.8	44.8	30.4	37.6	37.1	42.6
Haemophilus influenzae type 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	0.0	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	0.0	1.8	0.0
Hepatitis A	Cases	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	2.0	0.6	2.6	0.8	0.0	1.4	2.1	0.9	0.6	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.4	0.0	0.0
Hepatitis B	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.6	0.9	0.9	1.2	0.8	1.0	0.9	2.1	0.9	0.6	0.0	0.0	0.0	1.0	0.0	1.4	0.0	1.8	0.0	0.6
Hepatitis C	Cases	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	3	0	0
	Rate	0.6	0.0	0.4	0.0	0.3	0.0	0.0	0.0	4.5	1.3	0.0	0.6	0.7	1.3	0.0	0.7	0.0	1.6	3.5	3.2
Invasive pneumococcal	Cases	4	0	2	4	3	1	2	0	1	1	0	2	0	1	1	0	0	4	0	3
	Rate	14.5	7.2	10.2	13.8	11.9	15.5	16.5	6.4	13.6	15.4	8.0	7.7	8.3	10.4	27.1	14.9	3.0	8.6	12.4	11.7
Lead absorption	Cases	0	10	10	2	3	0	1	1	0	0	1	1	0	0	0	1	1	2	0	0
	Rate	1.9	8.3	11.9	7.9	3.5	1.9	4.2	2.1	5.4	1.3	6.4	10.6	3.5	5.4	17.2	2.1	12.2	3.0	5.3	4.5
Legionellosis	Cases	0	0	2	1	0	0	1	0	0	0	0	0	1	0	0	0	0	4	0	1
	Rate	3.2	2.2	3.7	2.8	2.4	0.0	1.4	0.0	0.0	0.6	1.6	2.4	1.4	1.3	0.0	2.8	3.0	10.4	5.3	3.2
Leptospirosis	Cases	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	1	0
	Rate	3.2	0.4	0.4	0.2	7.3	0.0	2.8	6.4	4.5	12.2	9.6	7.1	0.7	0.0	7.4	1.4	6.1	0.8	5.3	1.6
Listeriosis	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.4	0.8	0.5	0.0	3.3	0.0	0.9	2.6	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.3	2.8	1.8	0.0	1.0	0.0	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.0	0.0	0.0
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	3.8	0.2	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease	Cases	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	3	0	0
	Rate	1.9	1.3	1.7	1.0	1.6	4.8	2.4	4.3	3.6	1.3	1.6	2.4	1.4	3.4	0.0	1.4	0.0	2.4	5.3	1.3
Mumps	Cases	1	2	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	Rate	1.3	1.1	0.6	0.4	0.5	1.0	0.5	2.1	0.0	0.0	0.0	0.6	0.7	0.3	2.5	3.6	0.0	0.8	1.8	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
	Rate	0.0	0.7	0.9	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	1.8	1.3
Pertussis	Cases	16	19	17	28	36	3	23	9	6	3	7	14	8	14	7	36	6	54	12	44
	Rate	72.0	61.2	64.9	70.1	128.8	84.4	109.8	256.4	147.8	63.7	286.5	150.1	215.5	204.9	315.0	373.8	370.8	241.2	127.3	110.4
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.0	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	0.3
Rheumatic fever	Cases	0	0	1	10	3	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	Rate	9.5	2.5	2.8	14.4	5.9	5.8	2.4	12.8	0.9	3.2	0.0	1.8	2.1	2.7	0.0	0.0	0.0	0.2	0.0	0.0
Rickettsial disease	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	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	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	1	12	10	5	4	1	5	3	2	6	0	5	3	2	0	3	0	14	0	19
	Rate	17.1	20.2	27.0	16.3	23.2	25.2	20.7	19.2	27.2	25.7	14.4	21.3	19.4	13.8	19.7	38.4	42.6	25.6	37.1	54.2
Shigellosis	Cases	2	2	2	5	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0
	Rate	3.2	4.3	5.4	7.9	1.4	1.0	0.9	0.0	2.7	0.6	0.0	1.2	2.1	2.7	0.0	0.7	0.0	1.6	0.0	2.6
Tuberculosis disease	Cases	1	4	4	3	0	1	1	0	1	2	0	2	2	2	1	1	0	0	0	1
	Rate	2.5	7.9	12.8	8.1	5.7	4.8	5.2	4.3	6.3	11.6	1.6	4.7	9.7	9.1	2.5	10.7	0.0	3.4	1.8	2.6
Typhoid fever	Cases	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	3.0	5.1	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.8	0.7	0.0	0.0	0.0	1.0	0.0	0.6
VTEC/STEC infection	Cases	1	6	1	6	13	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0
	Rate	10.1	3.4	1.9	3.0	9.5	1.9	4.2	0.0	8.2	3.2	0.0	0.6	0.7	0.7	0.0	2.1	6.1	4.4	7.1	4.9
Yersiniosis	Cases	0	2	6	3	0	3	2	0	3	6	0	0	0	6	0	0	0	8	0	2
	Rate	10.1	15.2	12.8	9.6	11.1	16.5	12.3	10.7	14.5	9.0	0.0	3.5	12.5	17.8	9.8	2.1	3.0	12.2	23.0	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 March 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 March 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 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	11	38	24	24	41	13	10	3	13	25	7	14	5	24	3	16	5	60	11	37
	Rate	138.3	126.6	107.1	88.6	178.5	148.4	112.2	94.0	205.8	181.5	128.0	115.8	110.2	132.6	125.5	181.9	221.9	193.6	291.8	203.7
Cryptosporidiosis	Cases	0	7	2	3	35	13	10	0	5	57	3	6	8	22	1	3	0	7	2	3
	Rate	20.8	9.2	7.6	8.3	66.2	44.6	16.0	6.4	30.8	91.4	16.0	19.5	22.9	42.4	39.4	13.5	30.4	20.6	86.6	28.9
Dengue fever	Cases	0	1	2	1	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	0
	Rate	1.3	2.5	5.4	2.4	0.5	1.9	0.5	2.1	0.0	0.6	0.0	2.4	0.7	3.0	2.5	0.7	0.0	1.6	0.0	1.3
Gastroenteritis	Cases	0	5	7	2	2	0	1	0	0	0	7	2	5	6	1	1	0	1	0	0
	Rate	0.6	15.0	24.0	9.1	12.4	16.5	20.3	6.4	10.0	0.6	22.4	70.3	34.7	28.3	17.2	9.2	21.3	9.2	1.8	4.2
Giardiasis	Cases	4	13	17	18	13	7	6	0	2	3	2	4	2	11	2	4	3	12	2	10
	Rate	29.1	33.8	45.0	28.7	43.7	58.2	45.3	15.0	35.4	32.2	17.6	12.4	33.3	41.7	41.8	44.8	30.4	37.6	37.1	42.6
Haemophilus influenzae type 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	0.0	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	0.0	1.8	0.0
Hepatitis A	Cases	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	2.0	0.6	2.6	0.8	0.0	1.4	2.1	0.9	0.6	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.4	0.0	0.0
Hepatitis B	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.6	0.9	0.9	1.2	0.8	1.0	0.9	2.1	0.9	0.6	0.0	0.0	0.0	1.0	0.0	1.4	0.0	1.8	0.0	0.6
Hepatitis C	Cases	1	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	3	0	0
	Rate	0.6	0.0	0.4	0.0	0.3	0.0	0.0	0.0	4.5	1.3	0.0	0.6	0.7	1.3	0.0	0.7	0.0	1.6	3.5	3.2
Invasive pneumococcal disease	Cases	4	0	2	4	3	1	2	0	1	1	0	2	0	1	1	0	0	4	0	3
	Rate	14.5	7.2	10.2	13.8	11.9	15.5	16.5	6.4	13.6	15.4	8.0	7.7	8.3	10.4	27.1	14.9	3.0	8.6	12.4	11.7
Lead absorption	Cases	0	10	10	2	3	0	1	1	0	0	1	1	0	0	0	1	1	2	0	0
	Rate	1.9	8.3	11.9	7.9	3.5	1.9	4.2	2.1	5.4	1.3	6.4	10.6	3.5	5.4	17.2	2.1	12.2	3.0	5.3	4.5
Legionellosis	Cases	0	0	2	1	0	0	1	0	0	0	0	0	1	0	0	0	0	4	0	1
	Rate	3.2	2.2	3.7	2.8	2.4	0.0	1.4	0.0	0.0	0.6	1.6	2.4	1.4	1.3	0.0	2.8	3.0	10.4	5.3	3.2
Leptospirosis	Cases	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	1	0
	Rate	3.2	0.4	0.4	0.2	7.3	0.0	2.8	6.4	4.5	12.2	9.6	7.1	0.7	0.0	7.4	1.4	6.1	0.8	5.3	1.6
Listeriosis	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.4	0.8	0.5	0.0	3.3	0.0	0.9	2.6	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.3	2.8	1.8	0.0	1.0	0.0	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.0	0.0	0.0
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	3.8	0.2	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease	Cases	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	3	0	0
	Rate	1.9	1.3	1.7	1.0	1.6	4.8	2.4	4.3	3.6	1.3	1.6	2.4	1.4	3.4	0.0	1.4	0.0	2.4	5.3	1.3
Mumps	Cases	1	2	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	Rate	1.3	1.1	0.6	0.4	0.5	1.0	0.5	2.1	0.0	0.0	0.0	0.6	0.7	0.3	2.5	3.6	0.0	0.8	1.8	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
	Rate	0.0	0.7	0.9	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	1.8	1.3
Pertussis	Cases	16	19	17	28	36	3	23	9	6	3	7	14	8	14	7	36	6	54	12	44
	Rate	72.0	61.2	64.9	70.1	128.8	84.4	109.8	256.4	147.8	63.7	286.5	150.1	215.5	204.9	315.0	373.8	370.8	241.2	127.3	110.4
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.0	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	0.3
Rheumatic fever	Cases	0	0	1	10	3	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	Rate	9.5	2.5	2.8	14.4	5.9	5.8	2.4	12.8	0.9	3.2	0.0	1.8	2.1	2.7	0.0	0.0	0.0	0.2	0.0	0.0
Rickettsial disease	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	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	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	1	12	10	5	4	1	5	3	2	6	0	5	3	2	0	3	0	14	0	19
	Rate	17.1	20.2	27.0	16.3	23.2	25.2	20.7	19.2	27.2	25.7	14.4	21.3	19.4	13.8	19.7	38.4	42.6	25.6	37.1	54.2
Shigellosis	Cases	2	2	2	5	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0
	Rate	3.2	4.3	5.4	7.9	1.4	1.0	0.9	0.0	2.7	0.6	0.0	1.2	2.1	2.7	0.0	0.7	0.0	1.6	0.0	2.6
Tuberculosis disease	Cases	1	4	4	3	0	1	1	0	1	2	0	2	2	2	1	1	0	0	0	1
	Rate	2.5	7.9	12.8	8.1	5.7	4.8	5.2	4.3	6.3	11.6	1.6	4.7	9.7	9.1	2.5	10.7	0.0	3.4	1.8	2.6
Typhoid fever	Cases	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	3.0	5.1	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.8	0.7	0.0	0.0	0.0	1.0	0.0	0.6
VTEC/STEC infection	Cases	1	6	1	6	13	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0
	Rate	10.1	3.4	1.9	3.0	9.5	1.9	4.2	0.0	8.2	3.2	0.0	0.6	0.7	0.7	0.0	2.1	6.1	4.4	7.1	4.9
Yersiniosis	Cases	0	2	6	3	0	3	2	0	3	6	0	0	0	6	0	0	0	8	0	2
	Rate	10.1	15.2	12.8	9.6	11.1	16.5	12.3	10.7	14.5	9.0	0.0	3.5	12.5	17.8	9.8	2.1	3.0	12.2	23.0	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 March 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 March 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	March 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	384	1635	145.3	557	2216	168.5
Cryptosporidiosis	187	386	26.0	47	110	14.4
Dengue fever	9	28	2.0	8	16	1.0
Gastroenteritis <sup>3</sup>	40	138	16.2	58	157	13.7
Giardiasis	135	431	36.9	171	510	41.5
Haemophilus influenzae type b	0	1	0.1	0	1	0.2
Hepatitis A	3	17	1.0	32	53	1.6
Hepatitis B <sup>4</sup>	4	9	0.9	2	7	1.0
Hepatitis C <sup>4</sup>	8	14	0.9	2	8	0.7
Invasive pneumococcal disease	29	79	11.2	30	71	12.4
Lead absorption	33	72	6.0	21	78	5.2
Legionellosis	10	42	3.2	15	49	3.6
Leptospirosis	6	18	2.4	2	18	1.7
Listeriosis	2	10	0.7	1	6	0.5
Malaria	1	15	1.1	1	5	1.0
Measles	1	1	0.3	5	56	14.0
Meningococcal disease	7	14	1.9	3	14	2.7
Mumps	6	13	0.7	2	7	1.0
Paratyphoid fever	2	8	0.5	2	9	0.4
Pertussis	362	1375	136.2	379	1240	69.3
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	19	39	3.9	11	42	3.9
Rickettsial disease	1	2	0.1	0	0	0.1
Rubella	0	0	0.0	1	2	0.5
Salmonellosis	95	349	24.5	96	342	23.3
Shigellosis	15	47	3.1	18	43	2.5
Tuberculosis disease	26	76	6.9	15	68	6.5
Typhoid fever	3	29	1.4	4	10	0.9
VTEC/STEC infection	31	64	3.8	16	42	2.9
Yersiniosis	41	111	11.4	45	121	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 March 2013) 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: Cronobacter species (1), Hydatid disease (1), Taeniasis (1)

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

Disease	Mar 2013	Feb 2013	Jan 2013	Dec 2012	Nov 2012	Oct 2012	Sep 2012	Aug 2012	Jul 2012	Jun 2012	May 2012	Apr 2012
Campylobacteriosis	384	515	736	707	707	663	552	531	327	342	521	455
Cryptosporidiosis	187	119	80	30	96	191	173	97	49	38	47	46
Dengue fever	9	6	13	3	4	4	10	6	16	5	5	7
Gastroenteritis <sup>2</sup>	40	42	56	50	146	90	52	34	51	57	46	52
Giardiasis	135	148	148	113	137	130	102	139	140	129	160	154
Haemophilus influenzae type b	0	1	0	0	0	0	0	0	2	1	0	0
Hepatitis A	3	11	3	2	3	2	5	4	3	2	4	4
Hepatitis B <sup>3</sup>	4	1	4	4	4	6	4	2	3	5	3	1
Hepatitis C <sup>3</sup>	8	3	3	4	3	0	1	1	4	1	2	8
Invasive pneumococcal disease	29	23	27	26	34	42	66	73	64	52	30	31
Lead absorption	33	12	27	11	13	13	21	19	27	25	46	19
Legionellosis	10	13	19	19	22	6	9	5	7	15	4	13
Leptospirosis	6	3	9	7	6	8	8	15	9	9	13	15
Listeriosis	2	4	4	3	2	2	4	2	2	2	2	0
Malaria	1	7	7	6	4	1	3	4	4	6	1	4
Measles	1	0	0	0	0	0	0	0	0	1	1	10
Meningococcal disease	7	2	5	4	4	15	7	17	7	7	4	6
Mumps	6	4	3	2	2	2	4	4	1	2	1	1
Paratyphoid fever	2	4	2	0	3	1	1	3	2	1	0	2
Pertussis	362	455	558	570	601	537	559	570	451	508	545	320
Q fever	1	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever	19	15	5	6	6	4	10	13	22	41	23	11
Rickettsial disease	1	1	0	0	1	0	0	1	0	2	0	0
Rubella	0	0	0	0	0	1	0	0	0	0	0	1
Salmonellosis	95	104	150	88	102	91	83	84	71	51	88	81
Shigellosis	15	14	18	6	9	9	8	5	15	10	15	12
Tuberculosis disease	26	19	31	16	33	36	20	25	28	21	23	26
Typhoid fever	3	13	13	4	7	4	1	4	4	3	3	4
VTEC/STEC infection	31	13	20	16	9	12	9	14	8	9	7	21
Yersiniosis	41	28	42	37	47	47	45	44	49	44	44	37

<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