

## 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 6 August 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	4
4. Trends in selected diseases to July 2013	5
5. Data tables	6

### 1. Key notifiable disease trends

*Campylobacteriosis*: 525 cases of campylobacteriosis were notified in July 2013 compared to 327 cases notified during the same month of the previous year (Figure 1). For the 12 month period ending 31 July 2013, the highest rates were in South Canterbury (300.6 per 100 000 population, 170 cases), West Coast (209.7 per 100 000 population, 69 cases), and Taranaki (192.2 per 100 000 population, 212 cases) DHBs compared to a national rate of 144.7 per 100 000 population. Two finalised *Campylobacter* outbreaks were reported in July (5 cases).

*Cryptosporidiosis*: 78 cases of cryptosporidiosis were notified in July 2013 compared to 49 cases notified during the same month of the previous year (Figure 2). The cases ranged in age from seven months to 73 years, with the highest number of cases in the 1-4 years (30 cases) age group followed by those in the 30-39 years (16 cases), and 20-29 years (8 cases) age groups. The highest numbers of cases were reported from the Auckland region (38 cases). Among the cases where risk factor information was recorded, 51.7% (15/29) had contact with other symptomatic people, 46.7% (14/30) had been overseas, 46.2% (12/26) had contact with faecal matter, 43.5% (10/23) had consumed food from a food premises and 37.0% (10/27) had contact with farm animals. Ten *Cryptosporidium* outbreaks were reported in July, including seven finalised outbreaks (25 cases) and three interim outbreaks (case numbers yet to be determined).

*Hepatitis A*: 11 cases of hepatitis A were notified in July 2013 compared to three cases in the same month of the previous year. Ethnicity was recorded for 90.9% (10/11) of the cases, all of which were in the European or Other ethnic group. The highest numbers of cases were reported from Canterbury DHB (8 cases), all of whom were part of an outbreak that was first reported in April 2013. The cases ranged in age from 19 months to 52 years with the highest numbers of cases in the 5-9 years (3 cases) and 20-29 years age groups (2 cases). One of the cases had travelled overseas to Indonesia during the incubation period.

*Hepatitis C*: 11 cases of hepatitis C were notified in July 2013 (7 confirmed and 4 under investigation); one of these cases has since been found to not meet case criteria after further investigation. Four cases were notified in the same month of the previous year. Ethnicity was recorded for 80.0% (8/10) of the cases: European or Other (7 cases) and Māori (1) ethnic groups. The risk factors were recorded for the seven confirmed cases: history of injecting drug use (6 cases), sexual contact with a confirmed case (or carrier) (4 cases), household contact with a confirmed case (or carrier) (3 cases), and body piercing or tattooing procedures in the last 12 months (1 case). Travel history was recorded for 5/7 confirmed cases and none travelled overseas during the incubation period.

*Legionellosis*: 14 cases of legionellosis were notified in July 2013 (8 confirmed, 2 probable, and 4 under investigation) compared to seven cases notified in the in the same month of the previous year. The following section relates to the 10 confirmed and probable cases only. The highest number of cases was reported in the Auckland region (4 cases). The cases ranged in age from 12 to 77 years, with the highest number of cases in the 50-59 years (4 cases) age group. Five hospitalisations and one death were reported. The *Legionella* species was identified for 90% (9/10) of the cases: *Legionella pneumophila* serogroup 1 (4 cases), *L. pneumophila* serogroup 10, *L. pneumophila* serogroup 12, *L. dumoffii*, *L. micdadei* and *L. longbeachae* serogroup unknown (1 case each).

*Leprosy*: One probable case of leprosy was notified in July 2013. The case was a male in the 15-19 years age group from MidCentral DHB. The case was overseas in Kiribati during the incubation period.

*Measles*: Three cases of measles were notified in July 2013, all cases have since been found to not meet case criteria after further investigation.

*Rickettsial disease*: One case of confirmed murine typhus (*Rickettsia typhi* infection) was notified in July 2013. The case was a male in the 20-29 years age group from Taranaki DHB. The case was overseas in Thailand and South Eastern Europe during the incubation period.

*Q fever*: One case of Q fever was notified in July 2013, the case has since been found to not meet case criteria after further investigation.

*VTEC/STEC infection*: Five cases of VTEC/STEC infection were notified in July 2013, two of these cases have since been found to not meet case criteria after further investigation. 13 cases were notified in the previous month and eight cases were notified in the same month of the previous year. The cases were reported from Counties Manukau, Capital & Coast, and Canterbury (1 case each) DHBs. The cases occurred in the following age groups: 5-9 years, 10-14 years, and 40-49 years (1 case each). All cases were confirmed by the Enteric Reference Laboratory as being infected with *Escherichia coli* O157:H7. Among the cases for whom risk factor was recorded, 100.0% (2/2) had contact with animals, 50.0% (1/2) had recreational contact with water and had attended school, pre-school or childcare.

## 2. Outbreaks

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato	2	5
<i>Cryptosporidium</i> <sup>1</sup>	Waitemata, Auckland, Whanganui, MidCentral	7	25
Gastroenteritis	Hutt Valley, Nelson Marlborough	2	26
<i>Giardia</i> <sup>1</sup>	Auckland, Waikato	5	14
Hepatitis A virus <sup>1</sup>	Auckland	1	2
Lead absorption	Waitemata	1	2
Norovirus	Waitemata	1	28
Rotavirus	Waikato	2	18
<b>Total</b>		<b>21</b>	<b>120</b>

<sup>1</sup> Includes outbreaks reported to PHSs prior to July 2013: hepatitis A virus (1) reported in May, *Cryptosporidium* (1) and *Giardia* (1) both reported in June.

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
Astrovirus	Canterbury	1	6
<i>Cryptosporidium</i> <sup>1,2,3</sup>	Auckland, Taranaki, Capital & Coast	3	6
Gastroenteritis <sup>1</sup>	Auckland, Waikato, Bay of Plenty, MidCentral, Hutt Valley, Nelson Marlborough, Southern	15	38
<i>Giardia</i> <sup>1,2</sup>	Auckland, Waikato, Capital & Coast	4	5
<i>Mycobacterium leprae</i>	Capital & Coast	1	2
Norovirus <sup>1,3</sup>	Northland, West Coast, Southern	4	107
Rotavirus	Southern	1	3
<b>Total</b>		<b>28</b>	<b>167</b>

<sup>1</sup> Includes interim outbreak(s) where total number of cases had not been completed.

<sup>2</sup> Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

<sup>3</sup> Includes outbreaks reported to PHSs prior to July 2013: *Cryptosporidium* (1) and norovirus (1) both reported in June.

### 3. Deaths from notifiable diseases

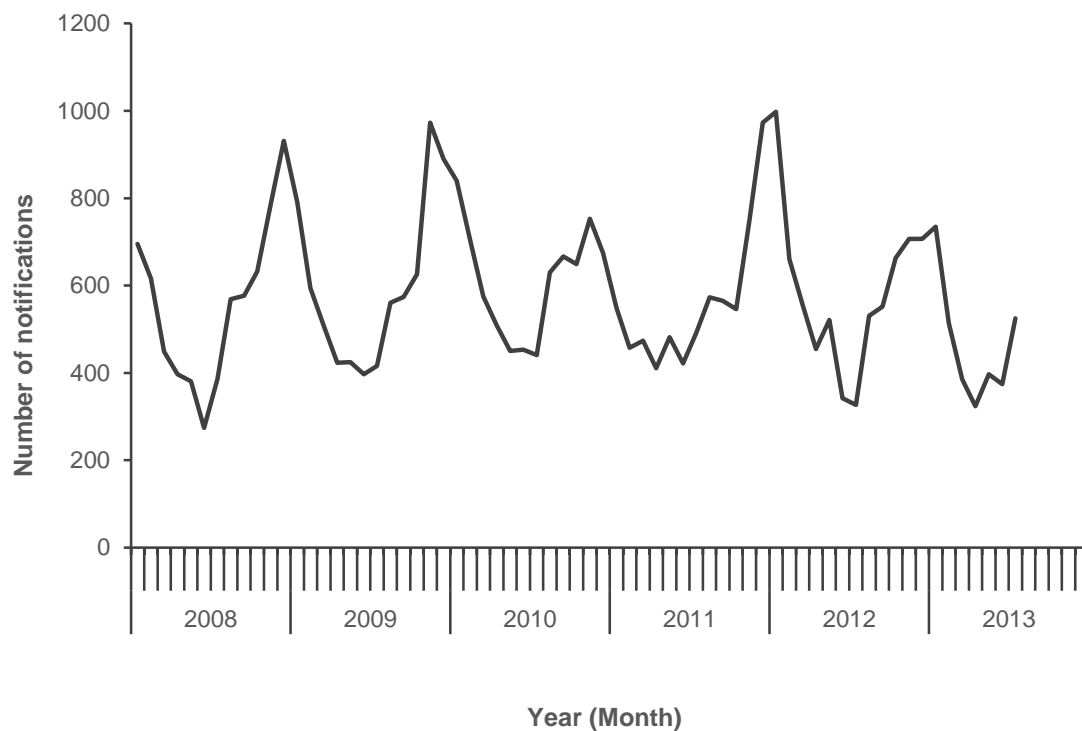
Three deaths, where the primary cause of death was a notifiable disease, were reported in July 2013 (Table 3).

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

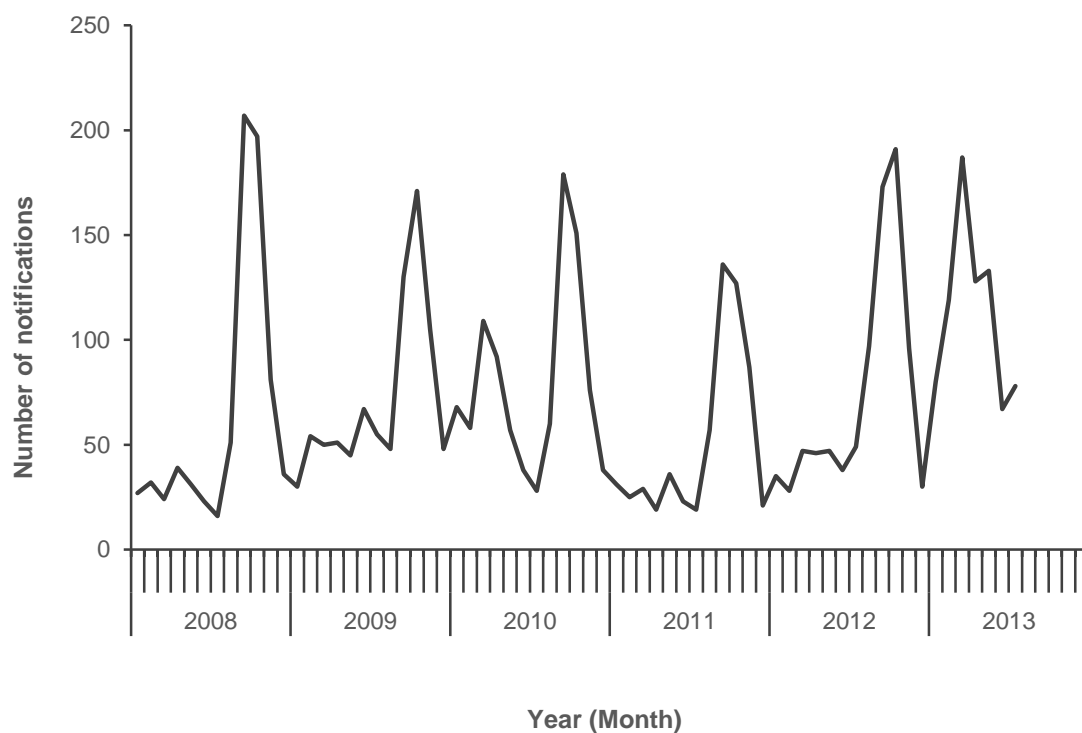
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Invasive pneumococcal disease	Auckland	70+ years
Invasive pneumococcal disease	Auckland	70+ years
Legionellosis	Canterbury	70+ years

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

**Figure 1: Campylobacteriosis notifications by month, January 2008 – July 2013**



**Figure 2: Cryptosporidiosis notifications by month, January 2008 – July 2013**



## 5. Data tables

### National Notifiable Disease Surveillance Data July 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	July 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	July 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	525	3254	144.7	327	3861	163.8
Cryptosporidiosis	78	792	31.1	49	290	16.2
Dengue fever	14	62	2.0	16	49	1.5
Gastroenteritis <sup>3</sup>	55	295	15.0	51	363	14.4
Giardiasis	137	1029	37.2	140	1093	40.6
Haemophilus influenzae type b	2	5	0.1	2	4	0.1
Hepatitis A	11	56	1.6	3	66	1.8
Hepatitis B <sup>4</sup>	4	16	0.8	3	19	0.7
Hepatitis C <sup>4</sup>	11	29	0.8	4	23	0.8
Invasive pneumococcal disease	69	251	11.1	64	248	11.8
Lead absorption <sup>5</sup>	20	156	5.3	27	195	6.3
Legionellosis	14	80	3.2	7	88	3.7
Leptospirosis	8	44	2.0	9	64	2.1
Listeriosis	1	12	0.6	2	12	0.5
Malaria	3	29	1.1	4	20	0.9
Measles	3	4	0.1	0	68	11.2
Meningococcal disease	14	42	2.0	7	38	2.3
Mumps	5	22	0.8	1	12	0.6
Paratyphoid fever	1	16	0.5	2	14	0.4
Pertussis	324	2447	119.2	451	3063	104.2
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	11	95	3.0	21	137	4.9
Rickettsial disease	1	5	0.2	0	2	0.1
Rubella	0	1	0.0	0	3	0.4
Salmonellosis	70	671	25.2	71	633	22.5
Shigellosis	13	99	3.1	15	95	3.2
Tuberculosis disease	29	168	6.7	28	164	6.4
Typhoid fever	3	39	1.3	4	24	0.9
VTEC/STEC infection	5	156	4.9	8	87	2.8
Yersiniosis	49	247	10.5	49	295	12.3

<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 July 2013) or the previous year (12 months up to and including July 2012), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

<sup>5</sup> Notification data on lead poisonings and chemical poisonings from the environment is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

Other notifiable infectious disease reported in July: Chemical poisoning from the environment (1), Leprosy (1)

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

		Cases <sup>1</sup> and current rate <sup>2</sup> for July 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	12	72	50	41	47	8	23	8	13	23	13	31	14	36	7	16	5	68	13	25
	Rate	128.2	130.4	113.8	92.1	185.5	153.2	115.0	134.6	192.2	178.9	164.8	142.4	105.3	130.2	145.2	155.7	209.7	178.2	300.6	182.2
Cryptosporidiosis	Cases	1	13	16	9	3	3	1	0	7	5	5	4	0	0	0	1	0	9	0	1
	Rate	18.3	18.2	14.5	10.6	74.5	65.0	19.3	6.4	48.0	101.7	27.2	25.4	28.4	38.0	41.8	14.9	24.3	25.2	84.9	31.2
Dengue fever	Cases	0	2	4	3	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1
	Rate	1.3	2.7	5.6	2.4	0.3	1.9	2.4	2.1	0.9	0.6	0.0	1.2	0.7	3.0	2.5	0.0	0.0	1.0	1.8	1.3
Gastroenteritis	Cases	1	6	3	6	3	0	3	0	1	0	0	9	7	10	1	0	2	0	0	3
	Rate	1.9	11.7	21.4	9.4	8.9	15.5	10.4	6.4	5.4	0.6	20.8	76.8	42.3	29.3	22.2	10.0	12.2	7.0	0.0	5.8
Giardiasis	Cases	2	17	15	18	12	2	8	2	6	6	0	1	2	16	0	4	0	17	1	8
	Rate	28.4	29.8	45.9	34.4	43.5	60.1	38.7	15.0	40.8	40.5	20.8	13.0	28.4	50.5	41.8	45.5	33.4	37.6	28.3	36.1
Haemophilus influenzae type b	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.4	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	0.3
Hepatitis A	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8	1	1
	Rate	0.6	1.6	0.9	2.0	0.3	0.0	0.9	2.1	0.9	1.3	1.6	0.6	0.0	1.3	0.0	0.7	0.0	6.4	1.8	0.3
Hepatitis B	Cases	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0
	Rate	0.0	0.4	0.6	1.0	1.4	0.0	0.9	2.1	0.9	0.0	1.6	0.0	0.7	0.7	0.0	0.7	3.0	2.0	0.0	0.3
Hepatitis C	Cases	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	4	0	2
	Rate	0.6	0.0	0.2	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.4	0.7	0.0	2.8	0.0	3.0	0.0	2.3
Invasive pneumococcal	Cases	4	5	8	13	4	2	3	1	1	2	2	3	1	4	1	2	1	8	1	3
	Rate	15.8	7.9	7.6	14.0	10.8	17.5	16.5	12.8	13.6	14.8	14.4	7.1	5.5	8.7	27.1	13.5	12.2	8.6	17.7	12.3
Lead absorption <sup>4</sup>	Cases	0	2	5	2	0	0	0	0	0	2	0	2	0	0	1	0	0	1	0	1
	Rate	3.2	5.4	8.4	6.1	3.2	5.8	7.5	6.4	5.4	3.2	6.4	11.2	2.8	3.4	19.7	2.8	6.1	2.8	3.5	4.2
Legionellosis	Cases	1	2	2	1	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	3
	Rate	3.8	2.3	3.0	3.9	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.3	0.0	1.4	9.1	9.8	3.5	3.2
Leptospirosis	Cases	0	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	0	1	0	2
	Rate	1.9	0.0	0.4	0.4	4.9	0.0	4.2	4.3	4.5	7.1	6.4	3.5	0.0	0.0	7.4	2.8	9.1	1.2	7.1	1.9
Listeriosis	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	0.4	0.8	0.5	0.0	2.4	0.0	0.9	0.0	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.4	2.4	1.4	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.2	0.0	0.0
Measles	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Meningococcal disease	Cases	0	1	0	1	1	2	2	0	1	0	1	0	0	0	0	0	0	2	1	2
	Rate	3.2	1.4	1.5	1.0	1.4	7.8	1.9	2.1	2.7	0.6	3.2	2.4	1.4	2.4	0.0	1.4	0.0	2.6	7.1	2.6
Mumps	Cases	0	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	2.5	0.9	1.1	0.2	0.3	1.0	1.4	2.1	0.0	0.0	0.0	0.0	1.4	0.3	4.9	2.8	0.0	0.8	1.8	0.3
Paratyphoid fever	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.2	1.8	1.3
Pertussis	Cases	22	23	23	26	15	0	7	1	1	1	0	4	6	21	3	95	0	50	2	24
	Rate	91.6	53.5	64.9	55.1	125.8	58.2	108.9	215.8	142.3	38.0	201.6	141.8	173.3	159.1	297.8	382.4	194.5	189.6	125.6	116.0
Q fever	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	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	0.0	0.0	0.0	0.0
Rheumatic fever	Cases	0	1	1	1	3	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0
	Rate	9.5	1.4	2.8	8.1	5.4	6.8	2.8	10.7	0.9	0.6	1.6	0.6	2.8	2.7	0.0	0.0	0.0	0.4	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.0	0.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	1	9	7	3	8	1	4	0	0	2	1	0	3	5	0	4	3	11	0	8
	Rate	25.3	19.1	28.3	14.6	22.7	18.4	19.8	21.4	29.0	23.2	17.6	18.9	18.0	16.8	22.2	44.8	42.6	27.2	38.9	59.1
Shigellosis	Cases	0	3	3	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2
	Rate	3.2	4.0	6.7	7.9	0.8	1.0	0.5	0.0	2.7	0.0	0.0	0.6	2.8	2.0	0.0	0.7	0.0	1.2	0.0	3.9
Tuberculosis disease	Cases	1	2	1	4	3	0	1	1	1	0	1	5	0	2	1	2	1	3	0	0
	Rate	3.2	6.5	12.1	9.3	6.2	5.8	5.7	4.3	5.4	7.1	3.2	7.1	8.3	9.8	2.5	7.1	3.0	3.8	1.8	1.9
Typhoid fever	Cases	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	3.0	4.3	0.3	1.9	0.9	0.0	0.0	0.0	0.0	0.0	2.1	0.7	0.0	0.0	0.0	0.8	0.0	0.6
VTEC/STEC infection	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
	Rate	6.9	5.2	3.9	4.9	12.7	2.9	4.7	2.1	8.2	0.6	0.0	1.8	0.7	1.3	2.5	2.8	9.1	5.8	5.3	4.5
Yersiniosis	Cases	2	2	10	7	2	1	4	0	0	0	0	2	2	6	0	0	0	9	1	1
	Rate	6.9	8.5	12.3	9.3	9.2	17.5	15.1	8.5	13.6	7.7	1.6	3.5	13.2	18.2	4.9	2.1	3.0	14.8	24.8	4.9

<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 July 2013 expressed as cases per 100 000

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

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

# Notifiable Disease Surveillance Data by District Health Board July 2013

		Cases <sup>1</sup> and current rate <sup>2</sup> for July 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	12	72	50	41	47	8	23	8	13	23	13	31	14	36	7	16	5	68	13	25
	Rate	128.2	130.4	113.8	92.1	185.5	153.2	115.0	134.6	192.2	178.9	164.8	142.4	105.3	130.2	145.2	155.7	209.7	178.2	300.6	182.2
Cryptosporidiosis	Cases	1	13	16	9	3	3	1	0	7	5	5	4	0	0	0	1	0	9	0	1
	Rate	18.3	18.2	14.5	10.6	74.5	65.0	19.3	6.4	48.0	101.7	27.2	25.4	28.4	38.0	41.8	14.9	24.3	25.2	84.9	31.2
Dengue fever	Cases	0	2	4	3	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1
	Rate	1.3	2.7	5.6	2.4	0.3	1.9	2.4	2.1	0.9	0.6	0.0	1.2	0.7	3.0	2.5	0.0	0.0	1.0	1.8	1.3
Gastroenteritis	Cases	1	6	3	6	3	0	3	0	1	0	0	9	7	10	1	0	2	0	0	3
	Rate	1.9	11.7	21.4	9.4	8.9	15.5	10.4	6.4	5.4	0.6	20.8	76.8	42.3	29.3	22.2	10.0	12.2	7.0	0.0	5.8
Giardiasis	Cases	2	17	15	18	12	2	8	2	6	6	0	1	2	16	0	4	0	17	1	8
	Rate	28.4	29.8	45.9	34.4	43.5	60.1	38.7	15.0	40.8	40.5	20.8	13.0	28.4	50.5	41.8	45.5	33.4	37.6	28.3	36.1
Haemophilus influenzae type b	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.4	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	0.3
Hepatitis A	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8	1	1
	Rate	0.6	1.6	0.9	2.0	0.3	0.0	0.9	2.1	0.9	1.3	1.6	0.6	0.0	1.3	0.0	0.7	0.0	6.4	1.8	0.3
Hepatitis B	Cases	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0
	Rate	0.0	0.4	0.6	1.0	1.4	0.0	0.9	2.1	0.9	0.0	1.6	0.0	0.7	0.7	0.0	0.7	3.0	2.0	0.0	0.3
Hepatitis C	Cases	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	4	0	2
	Rate	0.6	0.0	0.2	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.4	0.7	0.0	2.8	0.0	3.0	0.0	2.3
Invasive pneumococcal disease	Cases	4	5	8	13	4	2	3	1	1	2	2	3	1	4	1	2	1	8	1	3
	Rate	15.8	7.9	7.6	14.0	10.8	17.5	16.5	12.8	13.6	14.8	14.4	7.1	5.5	8.7	27.1	13.5	12.2	8.6	17.7	12.3
Lead absorption <sup>4</sup>	Cases	0	2	5	2	0	0	4	0	0	2	0	2	0	0	1	0	0	1	0	1
	Rate	3.2	5.4	8.4	6.1	3.2	5.8	7.5	6.4	5.4	3.2	6.4	11.2	2.8	3.4	19.7	2.8	6.1	2.8	3.5	4.2
Legionellosis	Cases	1	2	2	1	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	3
	Rate	3.8	2.3	3.0	3.9	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.3	0.0	1.4	9.1	9.8	3.5	3.2
Leptospirosis	Cases	0	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	0	1	0	2
	Rate	1.9	0.0	0.4	0.4	4.9	0.0	4.2	4.3	4.5	7.1	6.4	3.5	0.0	0.0	7.4	2.8	9.1	1.2	7.1	1.9
Listeriosis	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	0.4	0.8	0.5	0.0	2.4	0.0	0.9	0.0	0.0	0.6	0.0	0.3	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.4	2.4	1.4	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.2	0.0	0.0
Measles	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Meningococcal disease	Cases	0	1	0	1	1	2	2	0	1	0	1	0	0	0	0	0	0	2	1	2
	Rate	3.2	1.4	1.5	1.0	1.4	7.8	1.9	2.1	2.7	0.6	3.2	2.4	1.4	2.4	0.0	1.4	0.0	2.6	7.1	2.6
Mumps	Cases	0	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	2.5	0.9	1.1	0.2	0.3	1.0	1.4	2.1	0.0	0.0	0.0	0.0	1.4	0.3	4.9	2.8	0.0	0.8	1.8	0.3
Paratyphoid fever	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.2	1.8	1.3
Pertussis	Cases	22	23	23	26	15	0	7	1	1	1	0	4	6	21	3	95	0	50	2	24
	Rate	91.6	53.5	64.9	55.1	125.8	58.2	108.9	215.8	142.3	38.0	201.6	141.8	173.3	159.1	297.8	382.4	194.5	189.6	125.6	116.0
Q fever	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	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	0.0	0.0	0.0	0.0
Rheumatic fever	Cases	0	1	1	1	3	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0
	Rate	9.5	1.4	2.8	8.1	5.4	6.8	2.8	10.7	0.9	0.6	1.6	0.6	2.8	2.7	0.0	0.0	0.0	0.4	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	1	9	7	3	8	1	4	0	0	2	1	0	3	5	0	4	3	11	0	8
	Rate	25.3	19.1	28.3	14.6	22.7	18.4	19.8	21.4	29.0	23.2	17.6	18.9	18.0	16.8	22.2	44.8	42.6	27.2	38.9	59.1
Shigellosis	Cases	0	3	3	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2
	Rate	3.2	4.0	6.7	7.9	0.8	1.0	0.5	0.0	2.7	0.0	0.0	0.6	2.8	2.0	0.0	0.7	0.0	1.2	0.0	3.9
Tuberculosis disease	Cases	1	2	1	4	3	0	1	1	1	0	1	5	0	2	1	2	1	3	0	0
	Rate	3.2	6.5	12.1	9.3	6.2	5.8	5.7	4.3	5.4	7.1	3.2	7.1	8.3	9.8	2.5	7.1	3.0	3.8	1.8	1.9
Typhoid fever	Cases	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.3	3.0	4.3	0.3	1.9	0.9	0.0	0.0	0.0	0.0	0.0	2.1	0.7	0.0	0.0	0.0	0.8	0.0	0.6
VTEC/STEC infection	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
	Rate	6.9	5.2	3.9	4.9	12.7	2.9	4.7	2.1	8.2	0.6	0.0	1.8	0.7	1.3	2.5	2.8	9.1	5.8	5.3	4.5
Yersiniosis	Cases	2	2	10	7	2	1	4	0	0	0	0	2	2	6	0	0	0	9	1	1
	Rate	6.9	8.5	12.3	9.3	9.2	17.5	15.1	8.5	13.6	7.7	1.6	3.5	13.2	18.2	4.9	2.1	3.0	14.8	24.8	4.9

<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 July 2013 expressed as cases per 100 000

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

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.



# National Notifiable Disease Surveillance Data July 2013

Disease	Current Year - 2013 <sup>1</sup>			Previous Year - 2012		
	July 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	July 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	525	3254	144.7	327	3861	163.8
Cryptosporidiosis	78	792	31.1	49	290	16.2
Dengue fever	14	62	2.0	16	49	1.5
Gastroenteritis <sup>3</sup>	55	295	15.0	51	363	14.4
Giardiasis	137	1029	37.2	140	1093	40.6
Haemophilus influenzae type b	2	5	0.1	2	4	0.1
Hepatitis A	11	56	1.6	3	66	1.8
Hepatitis B <sup>4</sup>	4	16	0.8	3	19	0.7
Hepatitis C <sup>4</sup>	11	29	0.8	4	23	0.8
Invasive pneumococcal disease	69	251	11.1	64	248	11.8
Lead absorption <sup>5</sup>	20	156	5.3	27	195	6.3
Legionellosis	14	80	3.2	7	88	3.7
Leptospirosis	8	44	2.0	9	64	2.1
Listeriosis	1	12	0.6	2	12	0.5
Malaria	3	29	1.1	4	20	0.9
Measles	3	4	0.1	0	68	11.2
Meningococcal disease	14	42	2.0	7	38	2.3
Mumps	5	22	0.8	1	12	0.6
Paratyphoid fever	1	16	0.5	2	14	0.4
Pertussis	324	2447	119.2	451	3063	104.2
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	11	95	3.0	21	137	4.9
Rickettsial disease	1	5	0.2	0	2	0.1
Rubella	0	1	0.0	0	3	0.4
Salmonellosis	70	671	25.2	71	633	22.5
Shigellosis	13	99	3.1	15	95	3.2
Tuberculosis disease	29	168	6.7	28	164	6.4
Typhoid fever	3	39	1.3	4	24	0.9
VTEC/STEC infection	5	156	4.9	8	87	2.8
Yersiniosis	49	247	10.5	49	295	12.3

<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 July 2013) or the previous year (12 months up to and including July 2012), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

<sup>5</sup> Notification data on lead poisonings and chemical poisonings from the environment is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.

Other notifiable infectious disease reported in July: Chemical poisoning from the environment (1), Leprosy (1)

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

Disease	Jul 2013	Jun 2013	May 2013	Apr 2013	Mar 2013	Feb 2013	Jan 2013	Dec 2012	Nov 2012	Oct 2012	Sep 2012	Aug 2012
Campylobacteriosis	525	374	397	324	385	514	735	707	707	663	552	531
Cryptosporidiosis	78	67	133	128	187	119	80	30	96	191	173	97
Dengue fever	14	3	14	6	6	6	13	3	4	4	10	6
Gastroenteritis <sup>2</sup>	55	28	37	36	42	41	56	50	146	90	52	34
Giardiasis	137	138	161	163	134	148	148	113	137	130	102	139
Haemophilus influenzae type b	2	1	1	0	0	1	0	0	0	0	0	0
Hepatitis A	11	8	3	18	2	11	3	2	3	2	5	4
Hepatitis B <sup>3</sup>	4	4	2	1	2	0	3	4	4	6	4	2
Hepatitis C <sup>3</sup>	11	2	2	2	6	3	3	4	2	0	1	1
Invasive pneumococcal disease	69	41	34	30	28	22	27	26	34	42	66	73
Lead absorption <sup>4</sup>	20	26	13	25	33	12	27	11	13	13	21	19
Legionellosis	14	6	9	9	11	13	18	19	22	6	9	5
Leptospirosis	8	6	10	6	4	3	7	7	6	8	8	15
Listeriosis	1	0	1	0	2	4	4	3	2	2	4	2
Malaria	3	5	2	4	1	7	7	6	4	1	3	4
Measles	3	0	0	0	1	0	0	0	0	0	0	0
Meningococcal disease	14	4	4	7	6	2	5	4	4	15	7	17
Mumps	5	2	2	5	2	3	3	2	2	2	4	4
Paratyphoid fever	1	0	5	2	2	4	2	0	3	1	1	3
Pertussis	324	201	297	268	348	454	555	570	601	537	559	570
Q fever	1	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever	11	9	20	19	17	14	5	7	5	4	10	13
Rickettsial disease	1	1	1	0	1	1	0	0	1	0	0	1
Rubella	0	1	0	0	0	0	0	0	0	1	0	0
Salmonellosis	70	53	90	108	97	103	150	88	102	91	83	84
Shigellosis	13	15	9	15	15	14	18	6	9	9	8	5
Tuberculosis disease	29	23	28	18	22	18	30	17	32	36	19	25
Typhoid fever	3	5	0	3	3	12	13	4	7	4	1	4
VTEC/STEC infection	5	13	33	45	27	13	20	16	9	12	9	14
Yersiniosis	49	26	28	32	42	28	42	36	47	47	45	44

<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

<sup>4</sup> Notification data on lead poisonings is incomplete. From 1 February 2013, Public Health Services have been transitioning to the Hazardous Substances Surveillance System maintained by Massey University.