

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 4 July 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

Campylobacteriosis: 374 cases of campylobacteriosis were notified in June 2013 compared to 342 cases notified during the same month of the previous year (Figure 1). For the 12 month period ending 30 June 2013, the highest rates were in South Canterbury (284.7 per 100 000 population, 857 cases), West Coast (200.6 per 100 000 population, 66 cases), and Taranaki (194.0 per 100 000 population, 214 cases) DHBs compared to a national rate of 140.3 per 100 000. One interim *Campylobacter* outbreak was reported in June (case numbers yet to be determined).

Cryptosporidiosis: 67 cases of cryptosporidiosis were notified in June 2013 compared to 38 cases notified during the same month of the previous year. The cases ranged in age from six months to 75 years, with the highest number of cases in the 30-39 years (17 cases) age group followed by those in the 1-4 years (16 cases), and 5-9 years (10 cases) age groups. The highest numbers of cases were reported from Waitemata (21 cases), Canterbury (15 cases), and Auckland (8 cases) DHBs. Among the cases where risk factor information was recorded, 50.0% (11/22) had recreational contact with water, 39.1% (9/23) attended school, pre-school or childcare, 33.3% (7/21) had contact with faecal matter, 33.3% (6/18) had consumed food from a food premises and 20.0% (4/20) had contact with farm animals. Eight *Cryptosporidium* outbreaks were reported in June, including seven finalised outbreaks (18 cases) and one interim outbreak (case numbers yet to be determined).

Hepatitis A: 9 cases of hepatitis A were notified in June 2013 compared to two cases in the same month of the previous year. Ethnicity was recorded for all cases and was distributed as follows: Māori (4 cases), Asian (3 cases) and European or Other (2 cases) ethnic groups. The highest numbers of cases were reported from Canterbury DHB (5 cases). The cases ranged in age from 14 months to 64 years with the highest number of cases in the 1-4 years age group (3 cases). Three of the cases had travelled overseas during the incubation period. Countries visited were Fiji, Singapore and Vanuatu.

Measles: One case of measles was notified in June 2013, the case has since been found to not meet case criteria after further investigation.

Pertussis: 211 cases of pertussis were notified in June 2013 compared to 508 cases in the same month of the previous year (Figure 2). Nine cases were hospitalised and no deaths were reported. There were 28 (13.3%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 30 (14.2%) cases were laboratory-confirmed by PCR. The highest numbers of cases were reported from Nelson

Marlborough (55 cases), Canterbury (27 cases), and Southern (22 cases) DHBs. The cases ranged in age from 15 days to 90 years, with 26.5% under 5 years old (including 18 cases aged less than 1 year). The highest number of cases occurred in the 1-4 years age group (38 cases) followed by the 40-49 years (33 cases), and 30-39 years (27 cases) age groups. The vaccination status was recorded for 120 (56.9%) of cases. Of these, 36 were reported as not vaccinated, 10 received one dose of vaccine, four received two doses of vaccine, 53 received three or more doses (including four who had received all five doses), and 17 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded 37.7% (57/151) attended school, pre-school or childcare, and 21.1% (20/95) had contact with a laboratory-confirmed pertussis case. One finalised *B. pertussis* outbreak was reported in June involving two cases.

Rickettsial disease: One case of confirmed murine typhus (*Rickettsia typhi*) was notified in June 2013. The case was a male in the 60-69 years age group from Waitemata DHB and is thought to have acquired the disease locally through infected fleas.

Shigellosis: 16 cases of shigellosis were notified in June 2013, one of these cases has since been found to not meet case criteria after further investigation. Ten cases were notified in the same month of the previous year. The highest numbers of cases were reported from Auckland (7 cases), and Southern (3 cases) DHBs. The highest number of cases occurred in the 20-29 years and 30-39 years age groups (4 cases each). The serotype involved was identified for all cases: *Shigella sonnei* biotype a (7), *S. sonnei* biotype g and *S. flexneri* (3 each), and *S. flexneri* 3a and *S. flexneri* 4a (1 each). Overseas travel during the incubation period was recorded for all cases of which eight did not travel. Countries visited included Cambodia, Fiji, Indonesia, Samoa, Singapore, South Africa, Thailand and Vietnam. One case had visited more than one country.

VTEC/STEC infection: 15 cases of VTEC/STEC infection were notified in June 2013, two of these cases have since been found to not meet case criteria after further investigation. Nine cases were notified in the same month of the previous year. The highest numbers of cases were reported from Southern (4 cases) and Waitemata (3 cases) DHBs. The highest numbers of cases occurred in the 1-4 years (4 cases) and 70 years and over age groups (3 cases). Four cases were hospitalised. 11 cases were confirmed by the Enteric Reference Laboratory as being infected with VTEC/STEC. The serotype was identified as O157:H7 (10 cases) and non-O157 (1 case). Among the cases for whom risk factor was recorded, 50.0% (3/6) had contact with animals, 40.0% (2/5) had consumed water from a non-habitual supply, and 33.3% (2/6) had attended school, pre-school or childcare. One finalised *E. coli* O157:H7 outbreak was reported in June involving two cases.

2. Outbreaks

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	1	2
<i>Cryptosporidium</i> ^{1,3}	Waitemata, Auckland, Waikato, Midcentral	7	18
<i>Escherichia coli</i> O157:H7 ³	Waitemata	1	2
Gastroenteritis	Capital & Coast, South Canterbury	2	42
<i>Giardia</i> ^{1,2}	Auckland, Waikato, MidCentral	4	12
Norovirus ³	Counties Manukau, MidCentral, Canterbury	4	63
Rotavirus	Auckland	1	2
<i>Salmonella</i>	Waikato	1	3
Sapovirus	Taranaki	1	7
<i>Shigella</i>	Counties Manukau	1	2
Total		22	151

¹ Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

² Includes one *Giardia* outbreak with an overseas transmission (India).

³ Includes outbreaks reported to PHSs prior to June 20013: norovirus (1) reported in March, *Cryptosporidium*/*Giardia* (1) reported in April, *Cryptosporidium* (1) and *E. coli* O157:H7 (1) both reported in May.

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> ¹	Waikato	1	-
<i>Clostridium difficile</i> ³	Bay of Plenty	1	13
<i>Cryptosporidium</i> ¹	Waikato	1	-
	Waitemata, Auckland, Counties Manukau, Waikato, Hutt Valley, Capital & Coast, Wairarapa, Southern	19	53
Gastroenteritis ²	Waikato, Taranaki, Southern	3	6
<i>Giardia</i> ²	Southern		
Histamine (scombroid) fish poisoning	Auckland	1	4
Norovirus ^{2,3}	Bay of Plenty, Hawke's Bay, Wairarapa, Canterbury	4	28
Rotavirus ¹	Canterbury	1	-
<i>Shigella</i>	Counties Manukau	1	9
Total		31	100

¹ Interim outbreak where total number of cases had not been completed.

² Includes interim outbreak(s) where total number of cases had not been completed.

³ Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

3. Deaths from notifiable diseases

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

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

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Canterbury	15 to 19 years

4. Trends in selected diseases to June 2013

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

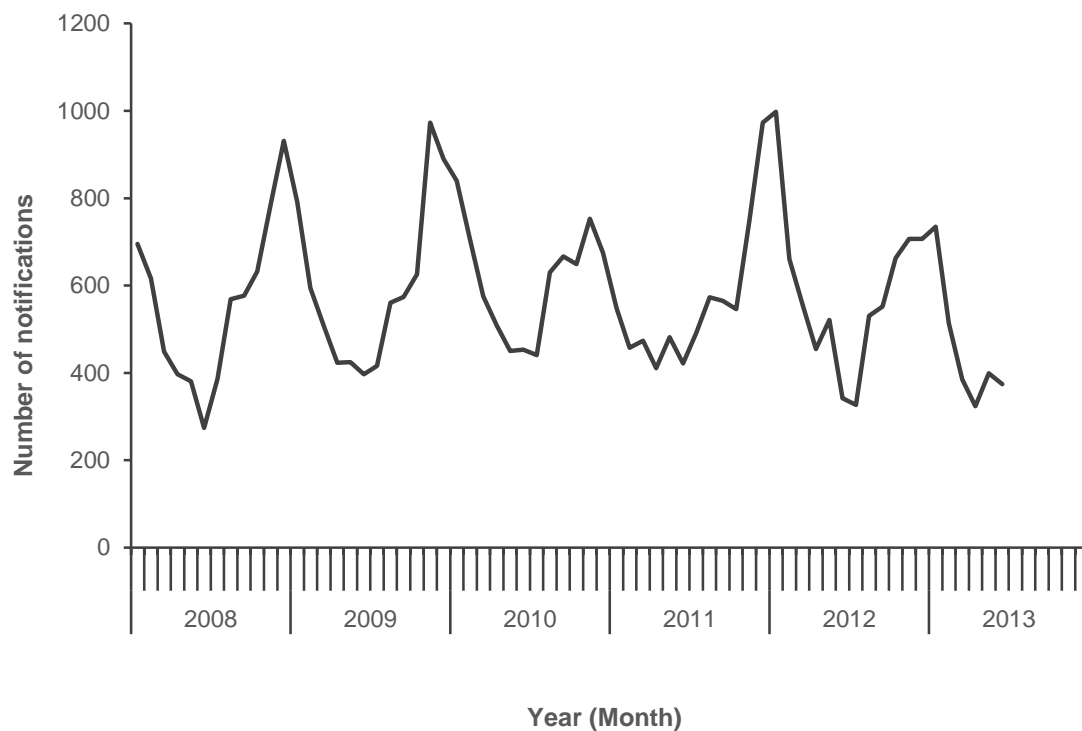
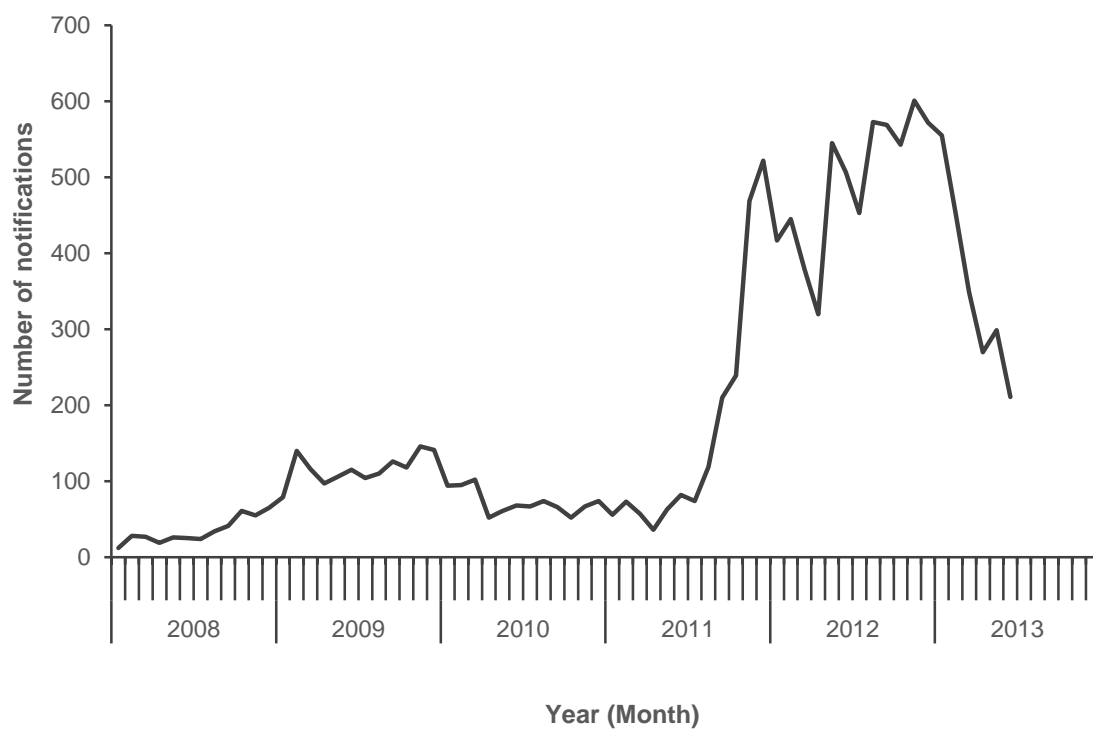


Figure 2: Pertussis notifications by month, January 2008 – June 2013



5. Data tables

National Notifiable Disease Surveillance Data June 2013

Disease	Current Year - 2013 ¹			Previous Year - 2012		
	June 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	June 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	374	2731	140.3	342	3534	168.6
Cryptosporidiosis	67	714	30.5	38	241	15.6
Dengue fever	4	50	2.1	5	33	1.3
Gastroenteritis ³	29	241	15.0	57	312	13.9
Giardiasis	138	893	37.3	129	953	41.0
Haemophilus influenzae type b	1	3	0.1	1	2	0.1
Hepatitis A	9	46	1.5	2	63	1.8
Hepatitis B ⁴	6	14	0.8	5	16	0.8
Hepatitis C ⁴	3	19	0.7	1	19	0.7
Invasive pneumococcal disease	41	182	11.0	52	184	12.0
Lead absorption	25	135	5.4	25	168	6.0
Legionellosis	5	65	3.0	15	81	3.8
Leptospirosis	7	40	2.1	9	55	2.0
Listeriosis	0	11	0.6	2	10	0.5
Malaria	5	26	1.1	6	16	0.9
Measles	1	2	0.0	1	68	12.7
Meningococcal disease	4	28	1.8	7	31	2.5
Mumps	4	21	0.8	2	11	0.7
Paratyphoid fever	0	15	0.6	1	12	0.4
Pertussis	211	2139	122.4	508	2612	96.3
Rheumatic fever	9	84	3.2	41	116	4.6
Rickettsial disease	1	4	0.1	2	2	0.2
Rubella	1	2	0.1	0	3	0.4
Salmonellosis	52	600	25.2	51	562	22.3
Shigellosis	16	87	3.1	10	80	3.0
Tuberculosis disease	23	139	6.7	21	137	6.4
Typhoid fever	5	36	1.4	3	20	0.9
VTEC/STEC infection	15	152	5.0	9	79	2.7
Yersiniosis	30	202	10.6	44	246	12.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including June 2013) or the previous year (12 months up to and including June 2012), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

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 June 2013

		Cases ¹ and current rate ² for June 2013 by District Health Board ³																			
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	10	43	36	40	41	5	14	8	10	20	6	17	9	27	3	12	3	40	9	21
	Rate	130.8	125.2	109.9	89.9	182.8	148.4	109.8	117.5	194.0	171.8	145.6	130.0	101.2	126.8	132.9	154.9	200.6	171.2	284.7	183.2
Cryptosporidiosis	Cases	0	21	8	1	0	3	0	0	7	3	0	0	4	4	0	0	0	15	0	1
	Rate	18.3	16.3	11.5	9.6	74.5	62.1	18.9	6.4	41.7	99.7	19.2	23.0	32.6	44.7	41.8	14.9	27.4	24.4	84.9	31.5
Dengue fever	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	Rate	2.5	2.9	5.6	2.2	0.3	1.9	2.4	2.1	0.0	0.6	0.0	0.6	1.4	3.0	2.5	0.7	0.0	1.6	1.8	1.0
Gastroenteritis	Cases	2	3	4	1	0	2	1	0	1	0	0	6	1	7	1	0	0	0	0	0
	Rate	1.9	12.3	21.9	9.1	10.0	15.5	10.8	6.4	6.3	0.6	20.8	73.3	38.8	29.3	19.7	10.0	6.1	7.6	1.8	5.2
Giardiasis	Cases	2	11	26	15	14	7	7	0	11	5	0	1	3	8	2	7	0	11	2	6
	Rate	29.1	28.9	48.7	32.5	42.9	59.2	39.1	10.7	36.3	39.3	22.4	13.0	34.7	50.8	41.8	44.8	33.4	37.6	31.8	37.4
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	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	0.0	0.0	0.0	0.0	0.2	1.8	0.3
Hepatitis A	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	5	0	0
	Rate	0.6	1.8	0.9	2.2	0.5	0.0	0.9	2.1	0.9	0.6	1.6	0.6	0.0	1.3	2.5	0.7	0.0	4.8	0.0	0.0
Hepatitis B	Cases	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	1	0	1
	Rate	0.0	0.7	0.6	1.0	1.1	0.0	1.4	2.1	0.9	0.0	1.6	0.0	0.7	0.7	0.0	0.7	0.0	1.8	0.0	0.6
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	Rate	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.7	0.7	0.0	1.4	0.0	2.2	1.8	2.6
Invasive pneumococcal	Cases	1	6	0	5	5	0	3	2	2	1	0	0	0	1	0	5	1	3	1	5
	Rate	15.2	7.8	7.6	13.4	10.8	17.5	17.4	12.8	12.7	15.4	11.2	6.5	5.5	10.1	24.6	14.2	9.1	8.2	15.9	12.7
Lead absorption	Cases	0	1	7	2	0	5	4	0	0	1	0	2	0	0	0	1	0	1	1	0
	Rate	3.2	6.0	9.3	7.1	3.2	6.8	5.7	6.4	6.3	1.9	6.4	11.2	3.5	3.4	17.2	2.8	6.1	2.4	3.5	4.2
Legionellosis	Cases	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	2.0	2.8	3.7	2.2	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.3	0.0	1.4	6.1	9.6	3.5	2.3
Leptospirosis	Cases	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	2	0	1	1
	Rate	2.5	0.0	0.2	0.4	5.1	0.0	4.2	4.3	5.4	7.7	6.4	4.1	0.0	0.0	7.4	2.8	12.2	1.2	7.1	1.9
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.7	0.4	0.8	0.5	0.0	3.3	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	1	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.4	2.2	1.6	0.3	0.0	0.0	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.4	0.0	0.0
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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
Meningococcal disease	Cases	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	3.2	1.3	1.9	0.8	1.4	5.8	0.9	4.3	2.7	0.6	1.6	3.0	1.4	2.4	0.0	1.4	0.0	2.4	5.3	1.9
Mumps	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	Rate	3.2	0.7	0.6	0.2	0.8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	1.7	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	0.4	1.8	1.3
Pertussis	Cases	8	12	20	5	12	2	4	1	4	6	1	2	8	18	2	55	0	27	2	22
	Rate	82.8	53.5	65.6	53.9	131.5	66.9	112.2	220.1	149.6	45.0	241.6	147.2	192.7	168.2	297.8	350.4	261.4	199.6	125.6	111.4
Q 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	0.0	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
Rheumatic fever	Cases	1	1	2	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
	Rate	10.7	1.4	2.6	10.6	4.3	6.8	2.4	10.7	1.8	1.9	1.6	0.6	2.1	2.4	0.0	0.0	0.0	0.4	0.0	0.3
Rickettsial disease	Cases	0	1	0	0	0	0	0	0	0	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	0.0	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	1	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	0.4	0.0	0.0
Salmonellosis	Cases	2	5	5	5	8	1	3	0	1	1	0	1	2	3	0	2	0	5	0	8
	Rate	25.3	20.2	28.8	15.2	22.1	20.4	19.8	23.5	29.0	22.5	16.0	20.1	17.3	16.8	22.2	43.4	33.4	26.4	42.4	57.8
Shigellosis	Cases	1	0	7	2	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	3
	Rate	3.2	4.2	6.9	7.9	1.1	1.0	0.5	0.0	3.6	0.0	0.0	1.2	2.8	1.7	0.0	1.4	0.0	1.2	0.0	3.2
Tuberculosis disease	Cases	0	2	6	2	2	1	1	0	0	0	0	2	1	3	0	1	0	1	1	0
	Rate	2.5	6.7	12.8	9.6	5.9	6.8	5.2	4.3	5.4	9.0	1.6	4.1	9.7	9.8	0.0	7.1	0.0	3.4	1.8	1.9
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	1.1	3.5	4.5	0.3	1.0	0.5	0.0	0.0	0.0	0.0	0.0	2.1	0.7	0.0	0.0	0.0	1.0	0.0	0.6
VTEC/STEC infection	Cases	1	3	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	4
	Rate	8.2	5.4	3.9	4.7	13.2	2.9	4.7	2.1	10.0	0.6	0.0	1.8	0.7	1.0	2.5	2.1	9.1	5.8	5.3	4.5
Yersiniosis	Cases	0	2	4	3	2	1	2	1	1	0	0	0	1	3	0	0	0	9	1	0
	Rate	5.7	10.3	11.7	8.3	10.0	17.5	14.1	8.5	15.4	7.7	1.6	2.4	12.5	18.8	9.8	2.1	3.0	14.2	26.5	5.5

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including June 2013 expressed as cases per 100 000

³ Further data are available from the local Medical Officer of Health

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 June 2013

Cases¹ and current rate² for June 2013 by District Health Board³

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	10	43	36	40	41	5	14	8	10	20	6	17	9	27	3	12	3	40	9	21
	Rate	130.8	125.2	109.9	89.9	182.8	148.4	109.8	117.5	194.0	171.8	145.6	130.0	101.2	126.8	132.9	154.9	200.6	171.2	284.7	183.2
Cryptosporidiosis	Cases	0	21	8	1	0	3	0	0	7	3	0	0	4	4	0	0	0	15	0	1
	Rate	18.3	16.3	11.5	9.6	74.5	62.1	18.9	6.4	41.7	99.7	19.2	23.0	32.6	44.7	41.8	14.9	27.4	24.4	84.9	31.5
Dengue fever	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	Rate	2.5	2.9	5.6	2.2	0.3	1.9	2.4	2.1	0.0	0.6	0.0	0.6	1.4	3.0	2.5	0.7	0.0	1.6	1.8	1.0
Gastroenteritis	Cases	2	3	4	1	0	2	1	0	1	0	0	6	1	7	1	0	0	0	0	0
	Rate	1.9	12.3	21.9	9.1	10.0	15.5	10.8	6.4	6.3	0.6	20.8	73.3	38.8	29.3	19.7	10.0	6.1	7.6	1.8	5.2
Giardiasis	Cases	2	11	26	15	14	7	7	0	11	5	0	1	3	8	2	7	0	11	2	6
	Rate	29.1	28.9	48.7	32.5	42.9	59.2	39.1	10.7	36.3	39.3	22.4	13.0	34.7	50.8	41.8	44.8	33.4	37.6	31.8	37.4
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	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	0.0	0.0	0.0	0.0	0.2	1.8	0.3
Hepatitis A	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	5	0	0
	Rate	0.6	1.8	0.9	2.2	0.5	0.0	0.9	2.1	0.9	0.6	1.6	0.6	0.0	1.3	2.5	0.7	0.0	4.8	0.0	0.0
Hepatitis B	Cases	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	1	0	1
	Rate	0.0	0.7	0.6	1.0	1.1	0.0	1.4	2.1	0.9	0.0	1.6	0.0	0.7	0.7	0.0	0.7	0.0	1.8	0.0	0.6
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	Rate	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.7	0.7	0.0	1.4	0.0	2.2	1.8	2.6
Invasive pneumococcal disease	Cases	1	6	0	5	5	0	3	2	2	1	0	0	0	1	0	5	1	3	1	5
	Rate	15.2	7.8	7.6	13.4	10.8	17.5	17.4	12.8	12.7	15.4	11.2	6.5	5.5	10.1	24.6	14.2	9.1	8.2	15.9	12.7
Lead absorption	Cases	0	1	7	2	0	5	4	0	0	1	0	2	0	0	0	1	0	1	1	0
	Rate	3.2	6.0	9.3	7.1	3.2	6.8	5.7	6.4	6.3	1.9	6.4	11.2	3.5	3.4	17.2	2.8	6.1	2.4	3.5	4.2
Legionellosis	Cases	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	2.0	2.8	3.7	2.2	0.0	2.4	0.0	0.0	1.3	1.6	1.2	1.4	1.3	0.0	1.4	6.1	9.6	3.5	2.3
Leptospirosis	Cases	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	2	0	1	1
	Rate	2.5	0.0	0.2	0.4	5.1	0.0	4.2	4.3	5.4	7.7	6.4	4.1	0.0	0.0	7.4	2.8	12.2	1.2	7.1	1.9
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.7	0.4	0.8	0.5	0.0	3.3	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	1	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.4	2.2	1.6	0.3	0.0	0.0	0.0	0.0	1.9	0.0	3.0	0.7	0.7	0.0	0.7	0.0	1.4	0.0	0.0
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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
Meningococcal disease	Cases	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	3.2	1.3	1.9	0.8	1.4	5.8	0.9	4.3	2.7	0.6	1.6	3.0	1.4	2.4	0.0	1.4	0.0	2.4	5.3	1.9
Mumps	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	Rate	3.2	0.7	0.6	0.2	0.8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	1.7	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	0.4	1.8	1.3
Pertussis	Cases	8	12	20	5	12	2	4	1	4	6	1	2	8	18	2	55	0	27	2	22
	Rate	82.8	53.5	65.6	53.9	131.5	66.9	112.2	220.1	149.6	45.0	241.6	147.2	192.7	168.2	297.8	350.4	261.4	199.6	125.6	111.4
Q 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	0.0	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
Rheumatic fever	Cases	1	1	2	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
	Rate	10.7	1.4	2.6	10.6	4.3	6.8	2.4	10.7	1.8	1.9	1.6	0.6	2.1	2.4	0.0	0.0	0.0	0.4	0.0	0.3
Rickettsial disease	Cases	0	1	0	0	0	0	0	0	0	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	0.0	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	1	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	0.4	0.0	0.0
Salmonellosis	Cases	2	5	5	5	8	1	3	0	1	1	0	1	2	3	0	2	0	5	0	8
	Rate	25.3	20.2	28.8	15.2	22.1	20.4	19.8	23.5	29.0	22.5	16.0	20.1	17.3	16.8	22.2	43.4	33.4	26.4	42.4	57.8
Shigellosis	Cases	1	0	7	2	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	3
	Rate	3.2	4.2	6.9	7.9	1.1	1.0	0.5	0.0	3.6	0.0	0.0	1.2	2.8	1.7	0.0	1.4	0.0	1.2	0.0	3.2
Tuberculosis disease	Cases	0	2	6	2	2	1	1	0	0	0	0	2	1	3	0	1	0	1	1	0
	Rate	2.5	6.7	12.8	9.6	5.9	6.8	5.2	4.3	5.4	9.0	1.6	4.1	9.7	9.8	0.0	7.1	0.0	3.4	1.8	1.9
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	1.1	3.5	4.5	0.3	1.0	0.5	0.0	0.0	0.0	0.0	0.0	2.1	0.7	0.0	0.0	0.0	1.0	0.0	0.6
VTEC/STEC infection	Cases	1	3	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	4
	Rate	8.2	5.4	3.9	4.7	13.2	2.9	4.7	2.1	10.0	0.6	0.0	1.8	0.7	1.0	2.5	2.1	9.1	5.8	5.3	4.5
Yersiniosis	Cases	0	2	4	3	2	1	2	1	1	0	0	0	1	3	0	0	0	9	1	0
	Rate	5.7	10.3	11.7	8.3	10.0	17.5	14.1	8.5	15.4	7.7	1.6	2.4	12.5	18.8	9.8	2.1	3.0	14.2	26.5	5.5

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including June 2013 expressed as cases per 100 000

³ Further data are available from the local Medical Officer of Health

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 June 2013

Disease	Current Year - 2013 ¹			Previous Year - 2012		
	June 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	June 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	374	2731	140.3	342	3534	168.6
Cryptosporidiosis	67	714	30.5	38	241	15.6
Dengue fever	4	50	2.1	5	33	1.3
Gastroenteritis ³	29	241	15.0	57	312	13.9
Giardiasis	138	893	37.3	129	953	41.0
Haemophilus influenzae type b	1	3	0.1	1	2	0.1
Hepatitis A	9	46	1.5	2	63	1.8
Hepatitis B ⁴	6	14	0.8	5	16	0.8
Hepatitis C ⁴	3	19	0.7	1	19	0.7
Invasive pneumococcal disease	41	182	11.0	52	184	12.0
Lead absorption	25	135	5.4	25	168	6.0
Legionellosis	5	65	3.0	15	81	3.8
Leptospirosis	7	40	2.1	9	55	2.0
Listeriosis	0	11	0.6	2	10	0.5
Malaria	5	26	1.1	6	16	0.9
Measles	1	2	0.0	1	68	12.7
Meningococcal disease	4	28	1.8	7	31	2.5
Mumps	4	21	0.8	2	11	0.7
Paratyphoid fever	0	15	0.6	1	12	0.4
Pertussis	211	2139	122.4	508	2612	96.3
Rheumatic fever	9	84	3.2	41	116	4.6
Rickettsial disease	1	4	0.1	2	2	0.2
Rubella	1	2	0.1	0	3	0.4
Salmonellosis	52	600	25.2	51	562	22.3
Shigellosis	16	87	3.1	10	80	3.0
Tuberculosis disease	23	139	6.7	21	137	6.4
Typhoid fever	5	36	1.4	3	20	0.9
VTEC/STEC infection	15	152	5.0	9	79	2.7
Yersiniosis	30	202	10.6	44	246	12.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including June 2013) or the previous year (12 months up to and including June 2012), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

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 – Monthly totals for June 2013 and preceding 12 Months¹

Disease	Jun 2013	May 2013	Apr 2013	Mar 2013	Feb 2013	Jan 2013	Dec 2012	Nov 2012	Oct 2012	Sep 2012	Aug 2012	Jul 2012
Campylobacteriosis	374	399	324	385	514	735	707	707	663	552	531	327
Cryptosporidiosis	67	133	128	187	119	80	30	96	191	173	97	49
Dengue fever	4	14	6	7	6	13	3	4	4	10	6	16
Gastroenteritis ²	29	37	36	42	41	56	50	146	90	52	34	51
Giardiasis	138	162	163	134	148	148	113	137	130	102	139	140
Haemophilus influenzae type b	1	1	0	0	1	0	0	0	0	0	0	2
Hepatitis A	9	3	18	2	11	3	2	3	2	5	4	3
Hepatitis B ³	6	2	1	2	0	3	4	4	6	4	2	3
Hepatitis C ³	3	2	2	6	3	3	4	2	0	1	1	4
Invasive pneumococcal disease	41	34	30	28	22	27	26	34	42	66	73	64
Lead absorption	25	13	25	33	12	27	11	13	13	21	19	27
Legionellosis	5	9	9	11	13	18	19	22	6	9	5	7
Leptospirosis	7	12	6	4	3	8	7	6	8	8	15	9
Listeriosis	0	1	0	2	4	4	3	2	2	4	2	2
Malaria	5	2	4	1	7	7	6	4	1	3	4	4
Measles	1	0	0	1	0	0	0	0	0	0	0	0
Meningococcal disease	4	4	7	6	2	5	4	4	15	7	17	7
Mumps	4	4	5	2	3	3	2	2	2	4	4	1
Paratyphoid fever	0	5	2	2	4	2	0	3	1	1	3	2
Pertussis	211	299	270	349	455	555	570	601	537	559	570	451
Rheumatic fever	9	19	19	17	15	5	7	5	4	10	13	21
Rickettsial disease	1	1	0	1	1	0	0	1	0	0	1	0
Rubella	1	1	0	0	0	0	0	0	1	0	0	0
Salmonellosis	52	90	108	97	103	150	88	102	91	83	84	71
Shigellosis	16	9	15	15	14	18	6	9	9	8	5	15
Tuberculosis disease	23	28	18	22	18	30	17	32	36	19	25	28
Typhoid fever	5	0	3	3	12	13	4	7	4	1	4	4
VTEC/STEC infection	15	33	45	27	12	20	16	9	12	9	14	8
Yersiniosis	30	28	32	42	28	42	36	47	47	45	44	49

¹ These data are provisional

² Cases of gastroenteritis from a common source or foodborne intoxication

³ Only acute cases of this disease are currently notifiable

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