
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 7 October 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 September 2013	5
5. Data tables	6

1. Key notifiable disease trends

Campylobacteriosis: 666 cases of campylobacteriosis were notified in September 2013 compared to 552 cases notified during the same month of the previous year. For the 12 month period ending 30 September 2013, the highest DHB rates were in South Canterbury (277.6 per 100 000 population, 157 cases), Waikato (193.6 per 100 000 population, 717 cases), and Taranaki (193.1 per 100 000 population, 213 cases) compared to a national rate of 149.6 per 100 000 population. Three finalised *Campylobacter* outbreaks were reported in September (18 cases) and three interim outbreaks (case numbers yet to be determined).

Giardiasis: 149 cases of giardiasis were notified in September 2013 compared to 102 cases notified during the same month of the previous year (Figure 1). The highest numbers of cases were reported from Southern (21 cases), Counties Manukau (20 cases), and Capital & Coast (18 cases) DHBs. Among the cases where risk factor information was recorded, 55.6% (30/54) had contact with faecal matter, 46.4% (26/56) had contact with other symptomatic people, 35.0% (21/60) had contact with farm animals and 30.0% (15/50) had consumed water from an untreated supply. Three finalised *Giardia* outbreaks were reported in September (16 cases) and two interim outbreaks (case numbers yet to be determined).

Hydatid disease: Three cases of hydatid disease were notified in September 2013. The cases were a male in the 60-69 year age group from Auckland DHB who previously worked as a farmer up until 1998, a female in the 60-69 year age group from Canterbury DHB who had contact with dogs in her twenties and a male in the 20-29 year age group from Southern DHB whose risk factors are still being investigated.

Legionellosis: 18 cases of legionellosis were notified in September 2013 (11 confirmed, 2 probable, 5 under investigation). One of the under investigation cases has since been found not to meet case criteria after further investigation. This compares to nine cases notified in the same month of the previous year. The following section relates to the 11 confirmed and two probable cases only. The highest number of cases was reported from Canterbury DHB (7 cases). The cases ranged in age from 20 to 82 years, with the highest number of cases in the 60-69 years age group (5 cases). Ten hospitalisations were reported. Among the cases where risk factor information was recorded, nine cases reported exposure to environmental sources of infection: exposure to compost/potting mix (8 cases), possible contaminated water supply (4 cases), and farm work moving hay bales and turning over soil (1 case). The *Legionella* species was identified in nine cases: *L. longbeachae* (3 cases), *L. longbeachae* serogroup 1 or 2 (2 cases), *L. pneumophila* serogroup 12, *L. pneumophila* serogroup 1, and *L. pneumophila* serogroup unknown, and *L. sainthelensi* serogroup unknown (1 case each).

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

Meningococcal disease: 13 cases of meningococcal disease were notified in September 2013 compared to seven cases notified during the same month of the previous year. Two of the cases have since been found to not meet case criteria after investigation. The highest number of cases was reported from the Auckland region (8 cases). Cases occurred in the 1 to 4 (3 cases), less than one year, 10-14 years, and 15-19 years (2 cases each), and 20-29 years, and 30-39 years (1 case each) age groups. Ethnicity was recorded for 90.9% (10/11) cases with the highest number of cases in the European or Other (4 cases), followed by Pacific Peoples (3 cases), Māori (2 cases) and Asian (1 case) ethnic groups. All eleven cases were laboratory confirmed and the strain type was determined for all cases: group B (7 cases including 2 B:P1.7-2,4) and group C (4 cases including 3 C:P1.5-1, 10-8).

Rheumatic fever: Based on the earliest data available, 21 cases of rheumatic fever (of which all were initial attacks) were notified in September 2013 compared to 11 cases notified during the same month of the previous year. Of the 16 cases with hospitalisation status recorded, all were hospitalised. All cases were notified from the North Island with the highest number of cases notified from Counties Manukau DHB (8 cases). Ethnicity was reported for all cases with the highest number of cases in the Pacific Peoples (11 cases), followed by Māori (9 cases), and Asian (1 case) ethnic groups. The cases ranged in age from seven years to 39 years, with the highest numbers of cases in the 10-14 years (7 cases) and 20-29 years (6 cases) age groups.

Rickettsial disease: Two cases of rickettsial disease were notified in September 2013. Both cases were confirmed with murine typhus (*Rickettsia typhi* infection), and were from Counties Manukau and Waikato DHBs (1 case each). One case had not travelled overseas but had contact with rat faeces while the remaining case had travelled to Thailand during the incubation period.

Tuberculosis disease: 40 cases of tuberculosis disease (39 new cases and 1 relapse or reactivation) were notified in September 2013 compared to 19 cases notified during the same month of the previous year. Twenty cases were laboratory confirmed. The highest numbers of cases were reported in the Auckland region (18 cases). Age was recorded for 97.5% (39/40) of the cases. The cases ranged in age from 14 months to 80 years, with the highest numbers of cases in the 20-29 years (9 cases), 30-39 years, 50-59 years, and 70 years and over (8 cases each) age groups. Of the 25 cases for which place of birth was recorded, 20 (80.0%) were born outside of New Zealand. The *Mycobacterium* species was recorded in 70.0% (14/20) of the laboratory confirmed cases, all were infected with *M. tuberculosis*.

VTEC/STEC infection: 19 cases of VTEC/STEC infection were notified in September 2013 compared to nine cases notified during the same month of the previous year (Figure 2). The highest numbers of cases were reported from Canterbury (6 cases), and Waikato (4 cases) DHBs. Age was recorded for 94.7% (18/19) of cases, the cases occurred in the following age groups: 1-4 years (6 cases), less than one year and 30-39 years (3 cases each), 5-9 years and 60-69 years (2 cases each), and 10-14 years and 15-19 years (1 case each). 17 cases were confirmed by the Enteric Reference Laboratory as being infected with VTEC/STEC. The serotype was identified as O157:H7 (16 cases) and non-O157 (1 case). Among the cases for whom risk factor was recorded, 92.9% (13/14) had contact with animals, 53.8% (7/13) had contact with children in nappies, and 28.6% (4/14) had attended school, pre-school or childcare. One finalised *E. coli* O157:H7 outbreak was reported in September (2 cases) and one interim outbreak (case numbers yet to be determined).

2. Outbreaks

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Southern	1	4
<i>Campylobacter</i>	Waikato, MidCentral, Southern	3	18
<i>Clostridium perfringens</i>	Hutt Valley	1	10
<i>Cryptosporidium</i> ^{1,2}	Waitemata, Counties Manukau, Waikato, Hawke's Bay	7	27
<i>Escherichia coli</i> O157:H7	Taranaki	1	2
Gastroenteritis	Counties Manukau, Hutt Valley, Southern	3	18
<i>Giardia</i> ¹	Auckland, MidCentral	3	16
Hepatitis A virus ¹	Southern	1	2
Influenza A virus ¹	Capital & Coast	1	3
Influenza B virus ¹	Hawke's Bay, Hutt Valley, Capital & Coast, Canterbury	4	32
Norovirus ¹	Waitemata, Capital & Coast, Canterbury	5	116
Sapovirus	Canterbury	1	14
<i>Shigella</i>	Auckland	1	2
Total		31	259

¹ Includes outbreaks reported to PHSs prior to September 20013: *Giardia* (1) reported in June, *Cryptosporidium* (1) reported in July, *Cryptosporidium* / *Giardia* (1), hepatitis A virus (1), influenza A virus (1), influenza B virus (2), and norovirus (1) reported in August.

² Includes one *Cryptosporidium* outbreak reported from Waitemata DHB with an overseas transmission (Fiji).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> ³	Waikato	3	7
<i>Cryptosporidium</i> ^{2,3}	Waikato, Canterbury	5	17
<i>Escherichia coli</i> O157:H7 ³	Canterbury	1	7
Gastroenteritis ²	Auckland, Waikato, Hawke's Bay, MidCentral, Southern	14	49
<i>Giardia</i> ³	Canterbury, Southern	2	14
Influenza-like illness ¹	Capital & Coast	1	-
Rotavirus ¹	Auckland	1	-
<i>Salmonella</i> ³	Waikato, Canterbury	2	6
Total		26	88

¹ Interim outbreak(s) 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

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

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

Disease	District Health Board	Age group (years)
Campylobacteriosis	Auckland	70+ years
Invasive pneumococcal disease	Bay of Plenty	70+ years
Listeriosis – perinatal	Auckland	N/A

4. Trends in selected diseases to September 2013

Figure 1: Giardiasis notifications by month, January 2008 – September 2013

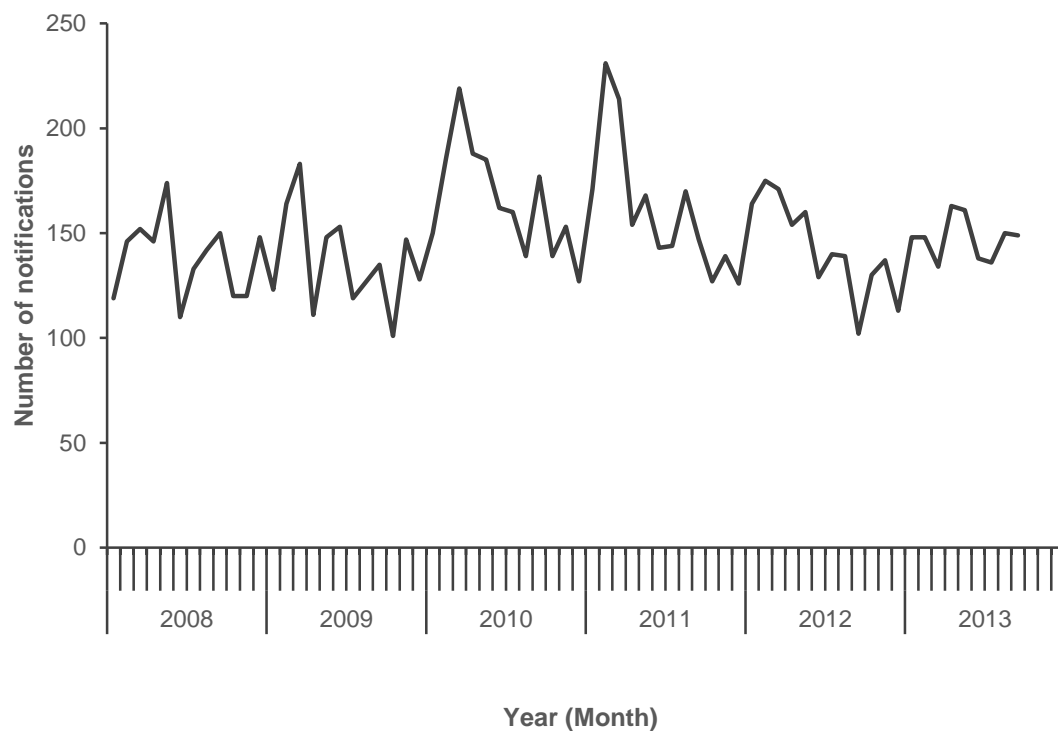
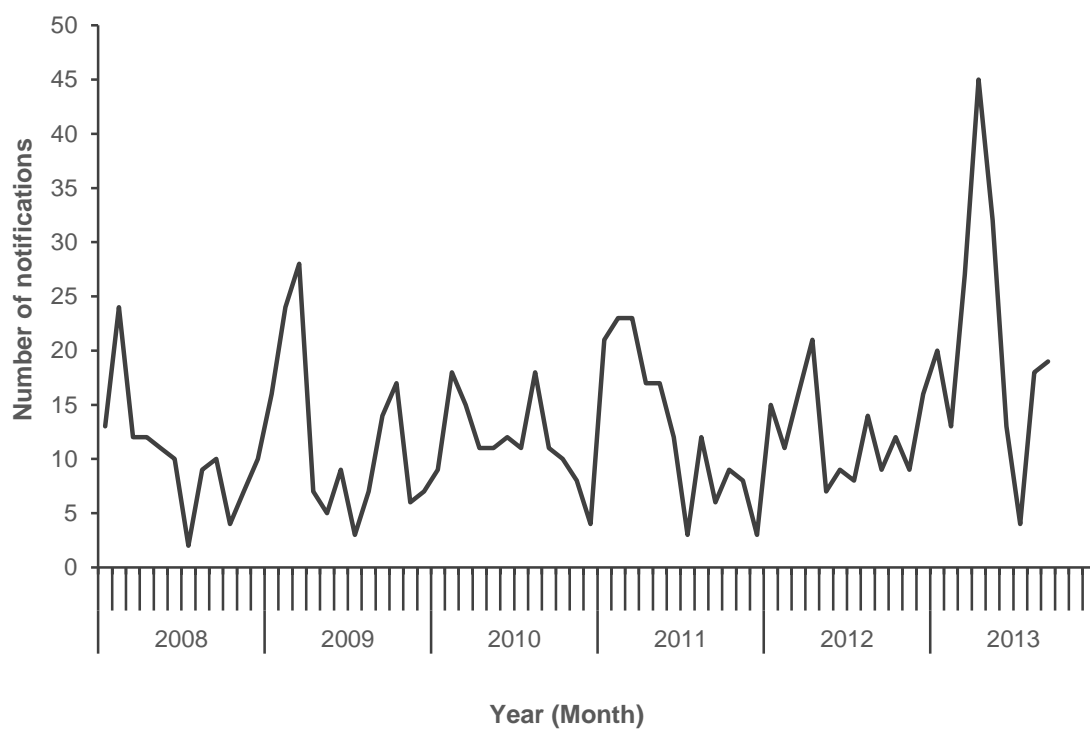


Figure 2: VTEC/STEC infection notifications by month, January 2008 – September 2013



5. Data tables

National Notifiable Disease Surveillance Data September 2013

Disease	Current Year - 2013 ¹			Previous Year - 2012		
	September 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	September 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	666	4555	149.6	552	4939	162.5
Cryptosporidiosis	184	1064	31.2	173	560	17.9
Dengue fever	7	75	1.9	10	65	1.7
Gastroenteritis ³	46	419	15.9	52	449	13.8
Giardiasis	149	1327	38.5	102	1334	38.9
Haemophilus influenzae type b	1	3	0.1	0	4	0.1
Hepatitis A	5	73	1.8	5	75	1.8
Hepatitis B ⁴	7	25	0.9	4	25	0.7
Hepatitis C ⁴	4	38	1.0	1	25	0.7
Invasive pneumococcal disease	66	364	10.5	66	387	11.5
Legionellosis	18	108	3.5	9	102	3.6
Leptospirosis	10	56	1.7	8	87	2.4
Listeriosis	2	17	0.5	4	18	0.6
Malaria	4	39	1.1	3	27	0.9
Measles	1	2	0.0	0	68	8.5
Meningococcal disease	13	61	1.9	7	62	1.9
Mumps	7	25	0.7	4	20	0.7
Paratyphoid fever	2	21	0.6	1	18	0.5
Pertussis	280	2965	105.4	559	4191	122.3
Rheumatic fever	21	144	3.6	11	170	4.7
Rickettsial disease	2	7	0.2	0	3	0.1
Rubella	0	2	0.1	0	3	0.1
Salmonellosis	88	851	25.5	83	800	22.9
Shigellosis	9	114	3.1	8	108	3.1
Tuberculosis disease	40	220	6.9	19	208	6.3
Typhoid fever	1	40	1.2	1	29	0.9
VTEC/STEC infection	19	191	5.1	9	110	2.9
Yersiniosis	59	348	10.8	45	384	11.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including September 2013) or the previous year (12 months up to and including September 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

Other notifiable infectious disease reported in September: Hepatitis NOS (2), Hydatid disease (3)

Notifiable Disease Surveillance Data by District Health Board September 2013

		Cases ¹ and current rate ² for September 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	24	84	53	60	86	25	43	8	25	21	5	27	12	27	5	24	9	67	13	48
	Rate	144.7	139.3	125.5	100.6	193.6	168.8	128.2	156.0	193.1	180.8	164.8	147.7	109.5	136.6	155.1	148.5	191.5	168.0	277.6	182.2
Cryptosporidiosis	Cases	8	15	6	3	50	3	3	0	3	5	2	8	1	7	2	1	1	41	6	19
	Rate	15.8	20.4	18.4	11.6	64.3	63.0	17.4	6.4	41.7	94.6	25.6	28.4	26.3	37.7	36.9	14.2	27.4	31.8	72.5	34.1
Dengue fever	Cases	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	2.7	6.3	1.6	0.3	1.9	2.8	2.1	0.9	0.6	0.0	0.6	1.4	2.4	2.5	1.4	0.0	1.0	1.8	0.3
Gastroenteritis	Cases	0	5	2	0	1	2	3	0	0	0	0	5	7	12	1	0	1	5	0	2
	Rate	3.2	13.2	20.1	8.5	9.2	14.5	12.7	6.4	6.3	0.6	22.4	76.2	53.4	32.3	24.6	10.7	18.2	7.0	0.0	7.1
Giardiasis	Cases	2	13	6	20	8	4	9	0	3	9	1	4	1	18	3	8	4	15	0	21
	Rate	25.3	28.9	43.5	36.6	46.4	65.0	42.9	17.1	41.7	41.8	17.6	17.1	23.6	55.2	46.8	51.9	42.6	37.2	28.3	40.6
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	0.2	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	0.2	0.0	0.3
Hepatitis A	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
	Rate	1.9	1.3	0.6	1.4	0.0	0.0	0.9	2.1	0.9	1.9	1.6	0.6	0.0	1.0	0.0	0.7	0.0	8.6	1.8	1.0
Hepatitis B	Cases	0	1	1	0	1	0	2	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.0	0.4	0.9	1.2	1.1	0.0	1.9	2.1	0.0	0.0	1.6	0.0	0.7	1.0	0.0	0.7	3.0	1.8	0.0	0.6
Hepatitis C	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	1.9	0.0	0.4	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.4	0.3	0.0	2.8	0.0	3.0	0.0	3.9
Invasive pneumococcal	Cases	2	6	7	7	7	2	6	0	2	4	0	5	2	5	1	1	1	5	0	3
	Rate	11.4	8.1	6.1	13.2	10.3	20.4	16.5	10.7	11.8	17.4	14.4	8.3	6.2	9.1	19.7	10.0	18.2	7.6	15.9	11.4
Legionellosis	Cases	2	2	0	2	0	0	0	0	0	0	0	2	1	0	0	0	1	7	0	1
	Rate	5.1	4.0	3.2	4.1	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.8	1.4	1.0	0.0	0.7	6.1	10.4	3.5	3.6
Leptospirosis	Cases	2	0	0	1	0	0	0	0	0	3	0	0	0	0	0	3	0	0	1	0
	Rate	1.9	0.2	0.2	0.4	3.0	1.0	4.7	0.0	3.6	6.4	3.2	3.0	0.0	0.0	4.9	3.6	9.1	1.2	8.8	1.9
Listeriosis	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.6	0.6	0.0	0.0	2.8	0.0	1.8	0.0	0.0	0.6	0.0	0.7	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	1.4	2.4	1.8	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.5	0.0	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	1	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	3.0	0.0	0.0	0.0
Meningococcal disease	Cases	0	3	2	4	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1
	Rate	3.2	1.4	1.7	2.4	1.1	5.8	1.4	2.1	2.7	1.3	3.2	1.2	1.4	1.7	0.0	1.4	0.0	2.0	1.8	2.6
Mumps	Cases	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0
	Rate	3.2	0.5	1.5	0.2	0.0	1.0	0.9	2.1	0.0	0.0	0.0	0.0	0.7	0.3	2.5	2.8	0.0	0.4	1.8	0.3
Paratyphoid fever	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.2	1.8	1.0
Pertussis	Cases	14	25	18	24	11	2	4	3	0	2	1	2	6	9	0	53	25	49	6	26
	Rate	101.7	54.4	58.0	58.1	107.2	43.6	92.9	190.2	114.2	33.5	129.6	110.5	133.7	111.7	273.2	377.4	246.2	163.2	125.6	109.8
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	2	0	1	8	2	0	2	0	0	1	0	0	3	2	0	0	0	0	0	0
	Rate	11.4	1.4	3.5	9.6	5.4	5.8	6.1	10.7	0.9	1.3	1.6	0.6	5.5	2.4	0.0	0.0	0.0	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.2	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	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	3	6	12	5	6	2	5	3	2	1	0	3	1	6	0	1	1	13	1	17
	Rate	25.9	19.7	29.2	14.6	22.1	21.3	23.1	29.9	26.3	21.9	16.0	18.3	17.3	17.2	22.2	43.4	30.4	28.6	38.9	58.8
Shigellosis	Cases	0	2	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	3.2	3.8	7.4	7.5	1.1	1.0	0.5	0.0	1.8	0.6	0.0	0.0	2.8	2.7	0.0	1.4	0.0	1.2	0.0	3.6
Tuberculosis disease	Cases	0	1	7	10	4	3	1	1	0	0	0	2	0	3	0	2	0	3	0	3
	Rate	3.2	5.6	12.5	10.0	6.5	8.7	5.2	6.4	7.3	3.9	1.6	7.1	9.7	10.4	2.5	7.8	3.0	4.0	1.8	2.3
Typhoid fever	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	2.6	4.3	0.5	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.8	0.0	0.3
VTEC/STEC infection	Cases	1	0	0	1	4	1	2	0	2	0	1	0	0	0	0	0	0	6	0	1
	Rate	8.2	5.2	4.1	5.3	13.5	3.9	6.1	2.1	6.3	0.6	1.6	1.2	0.7	1.3	2.5	2.8	9.1	6.0	7.1	4.5
Yersiniosis	Cases	2	4	6	4	4	0	4	0	3	1	1	2	1	8	0	0	0	16	0	3
	Rate	6.3	7.9	11.5	9.4	7.6	18.4	15.6	6.4	14.5	7.7	4.8	5.3	12.5	19.8	2.5	2.8	0.0	18.0	19.5	5.5

¹ These data are provisional

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

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

Notifiable Disease Surveillance Data by District Health Board September 2013

Cases¹ and current rate² for September 2013 by District Health Board³

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	24	84	53	60	86	25	43	8	25	21	5	27	12	27	5	24	9	67	13	48
	Rate	144.7	139.3	125.5	100.6	193.6	168.8	128.2	156.0	193.1	180.8	164.8	147.7	109.5	136.6	155.1	148.5	191.5	168.0	277.6	182.2
Cryptosporidiosis	Cases	8	15	6	3	50	3	3	0	3	5	2	8	1	7	2	1	1	41	6	19
	Rate	15.8	20.4	18.4	11.6	64.3	63.0	17.4	6.4	41.7	94.6	25.6	28.4	26.3	37.7	36.9	14.2	27.4	31.8	72.5	34.1
Dengue fever	Cases	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	2.7	6.3	1.6	0.3	1.9	2.8	2.1	0.9	0.6	0.0	0.6	1.4	2.4	2.5	1.4	0.0	1.0	1.8	0.3
Gastroenteritis	Cases	0	5	2	0	1	2	3	0	0	0	0	5	7	12	1	0	1	5	0	2
	Rate	3.2	13.2	20.1	8.5	9.2	14.5	12.7	6.4	6.3	0.6	22.4	76.2	53.4	32.3	24.6	10.7	18.2	7.0	0.0	7.1
Giardiasis	Cases	2	13	6	20	8	4	9	0	3	9	1	4	1	18	3	8	4	15	0	21
	Rate	25.3	28.9	43.5	36.6	46.4	65.0	42.9	17.1	41.7	41.8	17.6	17.1	23.6	55.2	46.8	51.9	42.6	37.2	28.3	40.6
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	0.2	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	0.2	0.0	0.3
Hepatitis A	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
	Rate	1.9	1.3	0.6	1.4	0.0	0.0	0.9	2.1	0.9	1.9	1.6	0.6	0.0	1.0	0.0	0.7	0.0	8.6	1.8	1.0
Hepatitis B	Cases	0	1	1	0	1	0	2	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.0	0.4	0.9	1.2	1.1	0.0	1.9	2.1	0.0	0.0	1.6	0.0	0.7	1.0	0.0	0.7	3.0	1.8	0.0	0.6
Hepatitis C	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	1.9	0.0	0.4	0.0	0.3	0.0	0.0	0.0	3.6	0.0	0.0	0.0	1.4	0.3	0.0	2.8	0.0	3.0	0.0	3.9
Invasive pneumococcal disease	Cases	2	6	7	7	7	2	6	0	2	4	0	5	2	5	1	1	1	5	0	3
	Rate	11.4	8.1	6.1	13.2	10.3	20.4	16.5	10.7	11.8	17.4	14.4	8.3	6.2	9.1	19.7	10.0	18.2	7.6	15.9	11.4
Legionellosis	Cases	2	2	0	2	0	0	0	0	0	0	0	2	1	0	0	0	1	7	0	1
	Rate	5.1	4.0	3.2	4.1	1.6	0.0	2.4	0.0	0.0	1.3	1.6	1.8	1.4	1.0	0.0	0.7	6.1	10.4	3.5	3.6
Leptospirosis	Cases	2	0	0	1	0	0	0	0	0	3	0	0	0	0	0	3	0	0	1	0
	Rate	1.9	0.2	0.2	0.4	3.0	1.0	4.7	0.0	3.6	6.4	3.2	3.0	0.0	0.0	4.9	3.6	9.1	1.2	8.8	1.9
Listeriosis	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.5	0.6	0.6	0.0	0.0	2.8	0.0	1.8	0.0	0.0	0.6	0.0	0.7	2.5	0.7	0.0	0.2	1.8	0.0
Malaria	Cases	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	1.4	2.4	1.8	0.3	0.0	0.5	0.0	0.0	1.9	0.0	3.5	0.0	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	1	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	3.0	0.0	0.0	0.0
Meningococcal disease	Cases	0	3	2	4	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	1
	Rate	3.2	1.4	1.7	2.4	1.1	5.8	1.4	2.1	2.7	1.3	3.2	1.2	1.4	1.7	0.0	1.4	0.0	2.0	1.8	2.6
Mumps	Cases	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0
	Rate	3.2	0.5	1.5	0.2	0.0	1.0	0.9	2.1	0.0	0.0	0.0	0.0	0.7	0.3	2.5	2.8	0.0	0.4	1.8	0.3
Paratyphoid fever	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.3	1.5	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.7	0.0	0.2	1.8	1.0
Pertussis	Cases	14	25	18	24	11	2	4	3	0	2	1	2	6	9	0	53	25	49	6	26
	Rate	101.7	54.4	58.0	58.1	107.2	43.6	92.9	190.2	114.2	33.5	129.6	110.5	133.7	111.7	273.2	377.4	246.2	163.2	125.6	109.8
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	2	0	1	8	2	0	2	0	0	1	0	0	3	2	0	0	0	0	0	0
	Rate	11.4	1.4	3.5	9.6	5.4	5.8	6.1	10.7	0.9	1.3	1.6	0.6	5.5	2.4	0.0	0.0	0.0	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.4	0.0	0.2	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	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
Salmonellosis	Cases	3	6	12	5	6	2	5	3	2	1	0	3	1	6	0	1	1	13	1	17
	Rate	25.9	19.7	29.2	14.6	22.1	21.3	23.1	29.9	26.3	21.9	16.0	18.3	17.3	17.2	22.2	43.4	30.4	28.6	38.9	58.8
Shigellosis	Cases	0	2	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	3.2	3.8	7.4	7.5	1.1	1.0	0.5	0.0	1.8	0.6	0.0	0.0	2.8	2.7	0.0	1.4	0.0	1.2	0.0	3.6
Tuberculosis disease	Cases	0	1	7	10	4	3	1	1	0	0	0	2	0	3	0	2	0	3	0	3
	Rate	3.2	5.6	12.5	10.0	6.5	8.7	5.2	6.4	7.3	3.9	1.6	7.1	9.7	10.4	2.5	7.8	3.0	4.0	1.8	2.3
Typhoid fever	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.9	2.6	4.3	0.5	1.0	0.9	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	0.0	0.8	0.0	0.3
VTEC/STEC infection	Cases	1	0	0	1	4	1	2	0	2	0	1	0	0	0	0	0	0	6	0	1
	Rate	8.2	5.2	4.1	5.3	13.5	3.9	6.1	2.1	6.3	0.6	1.6	1.2	0.7	1.3	2.5	2.8	9.1	6.0	7.1	4.5
Yersiniosis	Cases	2	4	6	4	4	0	4	0	3	1	1	2	1	8	0	0	0	16	0	3
	Rate	6.3	7.9	11.5	9.4	7.6	18.4	15.6	6.4	14.5	7.7	4.8	5.3	12.5	19.8	2.5	2.8	0.0	18.0	19.5	5.5

¹ These data are provisional

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

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

National Notifiable Disease Surveillance Data September 2013

Disease	Current Year - 2013 ¹			Previous Year - 2012		
	September 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	September 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	666	4555	149.6	552	4939	162.5
Cryptosporidiosis	184	1064	31.2	173	560	17.9
Dengue fever	7	75	1.9	10	65	1.7
Gastroenteritis ³	46	419	15.9	52	449	13.8
Giardiasis	149	1327	38.5	102	1334	38.9
Haemophilus influenzae type b	1	3	0.1	0	4	0.1
Hepatitis A	5	73	1.8	5	75	1.8
Hepatitis B ⁴	7	25	0.9	4	25	0.7
Hepatitis C ⁴	4	38	1.0	1	25	0.7
Invasive pneumococcal disease	66	364	10.5	66	387	11.5
Legionellosis	18	108	3.5	9	102	3.6
Leptospirosis	10	56	1.7	8	87	2.4
Listeriosis	2	17	0.5	4	18	0.6
Malaria	4	39	1.1	3	27	0.9
Measles	1	2	0.0	0	68	8.5
Meningococcal disease	13	61	1.9	7	62	1.9
Mumps	7	25	0.7	4	20	0.7
Paratyphoid fever	2	21	0.6	1	18	0.5
Pertussis	280	2965	105.4	559	4191	122.3
Rheumatic fever	21	144	3.6	11	170	4.7
Rickettsial disease	2	7	0.2	0	3	0.1
Rubella	0	2	0.1	0	3	0.1
Salmonellosis	88	851	25.5	83	800	22.9
Shigellosis	9	114	3.1	8	108	3.1
Tuberculosis disease	40	220	6.9	19	208	6.3
Typhoid fever	1	40	1.2	1	29	0.9
VTEC/STEC infection	19	191	5.1	9	110	2.9
Yersiniosis	59	348	10.8	45	384	11.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including September 2013) or the previous year (12 months up to and including September 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

Other notifiable infectious disease reported in September: Hepatitis NOS (2), Hydatid disease (3)

National Notifiable Disease Surveillance Data – Monthly totals for September 2013 and preceding 12 Months¹

Disease	Sep 2013	Aug 2013	Jul 2013	Jun 2013	May 2013	Apr 2013	Mar 2013	Feb 2013	Jan 2013	Dec 2012	Nov 2012	Oct 2012
Campylobacteriosis	666	637	524	374	396	324	385	514	735	707	707	663
Cryptosporidiosis	184	87	78	67	133	129	187	119	80	30	96	191
Dengue fever	7	9	11	3	14	6	6	6	13	3	4	4
Gastroenteritis ²	46	79	56	28	37	36	42	39	56	50	146	90
Giardiasis	149	150	136	138	161	163	134	148	148	113	137	130
Haemophilus influenzae type b	1	0	0	0	1	0	0	1	0	0	0	0
Hepatitis A	5	11	12	8	3	18	2	11	3	2	3	2
Hepatitis B ³	7	4	3	3	2	1	2	0	3	4	4	6
Hepatitis C ³	4	6	10	2	2	2	6	3	3	4	2	0
Invasive pneumococcal disease	66	47	69	41	34	30	28	22	27	26	34	42
Legionellosis	18	6	16	7	9	10	11	13	18	19	22	7
Leptospirosis	10	5	7	5	9	6	4	3	7	7	6	8
Listeriosis	2	3	1	0	1	0	2	4	4	3	2	2
Malaria	4	6	3	5	2	4	1	7	7	6	4	1
Measles	1	0	0	0	0	0	1	0	0	0	0	0
Meningococcal disease	13	6	14	4	4	7	6	2	5	4	4	15
Mumps	7	1	0	2	2	5	2	3	3	2	2	2
Paratyphoid fever	2	2	2	0	5	2	2	4	2	0	3	1
Pertussis	280	270	297	200	295	267	347	454	555	570	601	537
Rheumatic fever	21	27	11	9	20	19	17	15	5	7	5	4
Rickettsial disease	2	0	1	1	1	0	1	1	0	0	1	0
Rubella	0	1	0	1	0	0	0	0	0	0	0	1
Salmonellosis	88	90	71	53	90	108	97	103	151	88	102	91
Shigellosis	9	6	13	15	9	15	15	14	18	6	9	9
Tuberculosis disease	40	18	25	23	28	17	21	18	30	17	32	36
Typhoid fever	1	1	2	5	0	3	3	12	13	4	7	4
VTEC/STEC infection	19	18	4	13	32	45	27	13	20	16	9	12
Yersiniosis	59	42	49	26	28	32	42	28	42	36	47	47

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