

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 November 2012. Changes made to EpiSurv data after this date will not be reflected in this report. The results presented may be updated and should be regarded as provisional.

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1. Key notifiable disease trends

- Campylobacteriosis:** 660 campylobacteriosis cases were notified in October 2012 compared to 546 cases notified in the same month of the previous year. For the 12 month period ending 31 October 2012, the highest rates were in South Canterbury (328.1 per 100 000 population, 185 cases), West Coast (251.8 per 100 000 population, 83 cases), and Canterbury (229.0 per 100 000 population, 1151) DHBs compared to a national rate of 166.4 per 100 000. Three *Campylobacter* outbreaks involving 10 cases in total were reported in October.
- Cryptosporidiosis:** 188 cases of cryptosporidiosis were notified in October 2012 compared to 127 cases notified during the same month of the previous year. The cases ranged in age from seven months to 77 years, with the highest numbers of cases in the 1-4 years (62 cases) and in the 5-9 years (29 cases) age groups. The highest numbers of cases were reported in Waikato (40 cases), Canterbury (25 cases), and Southern (22 cases) DHBs. Among the cases where risk factor information was recorded, 77.2% (78/101) had contact with farm animals, 50.6% (41/81) had consumed untreated water, and 43.1% (47/109) had attended school, preschool or childcare. Seven *cryptosporidiosis* outbreaks involving 22 cases in total were reported in October.
- Leptospirosis:** 14 cases of leptospirosis were notified in October 2012 (5 confirmed, 3 probable and 6 under investigation), compared to six cases notified in the same month of the previous year. The following section relates to the five confirmed cases only. These cases were from Hawke's Bay (2 cases), and Waikato, Wairarapa and Canterbury (1 case each). High risk occupations were recorded for four cases. Three cases were farmers or farm workers and one case was a livestock truck driver. The remaining case had contact with rat urine at a rural residence. *Leptospira* species and serovars were recorded for four cases: *Leptospira interrogans* sv Pomona (2), *L. borgpetersenii* sv Ballum (1), and *L. borgpetersenii* sv Tarassovi (1).
- Pertussis:** 551 cases of pertussis were notified in October 2012, compared with 570 cases notified the previous month and 239 cases in the same month of the previous year (Figure 1). Forty-three cases were hospitalised and no deaths were reported. There were 151 (27.4%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 99 (18.0%) cases were laboratory-confirmed by PCR. The highest number of cases was from Canterbury DHB (121), followed by Capital and Coast (53) and Nelson Marlborough (48) DHBs. The cases ranged in age from 8 days to 89 years, with 22.5% (124/551 cases) under 5 years old (including 46 cases aged less than 1 year). The highest numbers of cases occurred in the 1-4 years (78), 5-9 years and 40-49 years (76 each), and 30-39 years (56) age groups. The vaccination status was recorded for 293 (53.2%)

cases. Of these, 114 were reported as not vaccinated, 23 received one dose of vaccine, eight received two doses of vaccine, 103 received three or more doses (including 18 who had received all five doses), and 45 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 39.5% (145/367) attended school, pre-school or childcare, and 33.3% (74/222) had contact with a laboratory-confirmed pertussis case. Three *B. pertussis* outbreaks involving 13 cases in total were reported in October.

- *Salmonellosis*: 92 cases of salmonellosis were notified in October 2012, compared with 85 cases notified in the previous month and 63 cases in the same month of the previous year. The highest number of cases was reported in the Auckland region (23 cases), followed by Southern DHB (22 cases). The cases ranged in age from three months to 91 years, with the highest number of cases in the 1-4 years (20) and in the 20-29 years (17) age groups. Nine cases were hospitalised. The serotype involved was recorded for 87 (94.6%) cases. The most common serotypes were: *Salmonella* Typhimurium phage type 135 (8 cases), *S. Brandenburg* and *S. Typhimurium* phage type 160 (7 cases each), and *S. Typhimurium* phage type RDNC-May 06 (5 cases). One *Salmonella* outbreak involving five cases was reported in October.
- *Yersiniosis*: 51 cases of yersiniosis were notified in October 2012, compared with 45 cases notified in the previous month and 30 cases in the same month of the previous year (Figure 2). Capital and Coast DHB had the highest number of cases (8 cases), followed by Counties Manukau (6 cases), and Waitemata, Auckland and Bay of Plenty (5 cases each) DHBs. The cases ranged in age from seven months to 79 years, with the highest numbers reported in the 50-59 years (11), 1-4 years (10), and 40-49 years (7) age groups. Two cases were hospitalised. The biotype involved was identified in 44 (86.2%) of the cases: *Yersinia enterocolitica* biotype 4 (16 cases), *Y. enterocolitica* biotype 2 (10 cases), *Y. enterocolitica* biotype 1A (9 cases), *Y. enterocolitica* biotype 3 (8 cases), and *Y. pseudotuberculosis* (1 case). Among the cases for which risk factor was recorded, 52.9% (9/17) had contact with farm animals, 42.9% (6/14) consumed food from a food premises, 42.1% (8/19) had attended school, pre-school or childcare during the incubation period, and 33.3% (5/15) had contact with faecal matter.

2. Outbreaks

Finalised outbreak reports: 42 outbreak reports were created and finalised in EpiSurv during October 2012 (Table 1).

Table 1. Summary of finalised outbreaks created in EpiSurv during October 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i> ¹	Waikato, MidCentral	3	13
<i>Campylobacter</i>	Waikato, MidCentral	3	10
<i>Clostridium difficile</i>	Waitemata	1	14
<i>Cryptosporidium</i>	Waitemata, Waikato	7	22
Gastroenteritis ¹	Waikato, Lakes, Bay of Plenty, Taranaki, Whanganui, Capital and Coast	8	123
Hepatitis B virus	Waikato	1	2
Influenza B virus	Hutt Valley	1	28
Norovirus ^{1,2}	Waitemata, Auckland, Counties Manukau, Lakes, Bay of Plenty, Taranaki, Hawke's Bay, MidCentral, Capital and Coast, Canterbury	17	304
Respiratory infection ¹	Northland	1	17
<i>Salmonella</i> ¹	MidCentral	1	5
Total		42	524

¹Includes outbreaks reported to PHSs prior to October 2012: gastroenteritis (2) one reported in August and one reported in September, norovirus (4), *B. pertussis* (1), respiratory infection (1), and *Salmonella* (1) all reported in September.

²One outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to totals.

Interim outbreak reports: 54 interim outbreaks were created in EpiSurv during October 2012 (Table 2). The status of the outbreak and cases involved are subject to change, as more data becomes available.

Table 2. Summary of interim outbreaks created in EpiSurv during October 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
Gastroenteritis ¹	Northland, Waitemata, Auckland, Counties Manukau, Waikato, Lakes, Bay of Plenty, Hawke's Bay, MidCentral, Capital and Coast, Nelson Marlborough	45	199
<i>Giardia</i> ^{1,3}	Waikato, Counties Manukau	2	-
Influenza virus ^{1,2}	Nelson Marlborough	1	-
Norovirus ¹	Auckland, Bay of Plenty, Tairāwhiti	6	10
<i>Shigella</i>	Counties Manukau	1	4
Total		54	213

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

²Includes one outbreak reported to PHS prior to October 2012: influenza virus reported in September.

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

3. Deaths from notifiable diseases

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

Table 3. Summary of deaths from notifiable diseases reported during October 2012

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Capital and Coast	70+ years
Meningococcal disease	Northland	1-4 years
Meningococcal disease	Auckland	50-59 years

4. Trends in selected diseases to October 2012

Figure 1: Pertussis notifications by month, January 2007 – October 2012

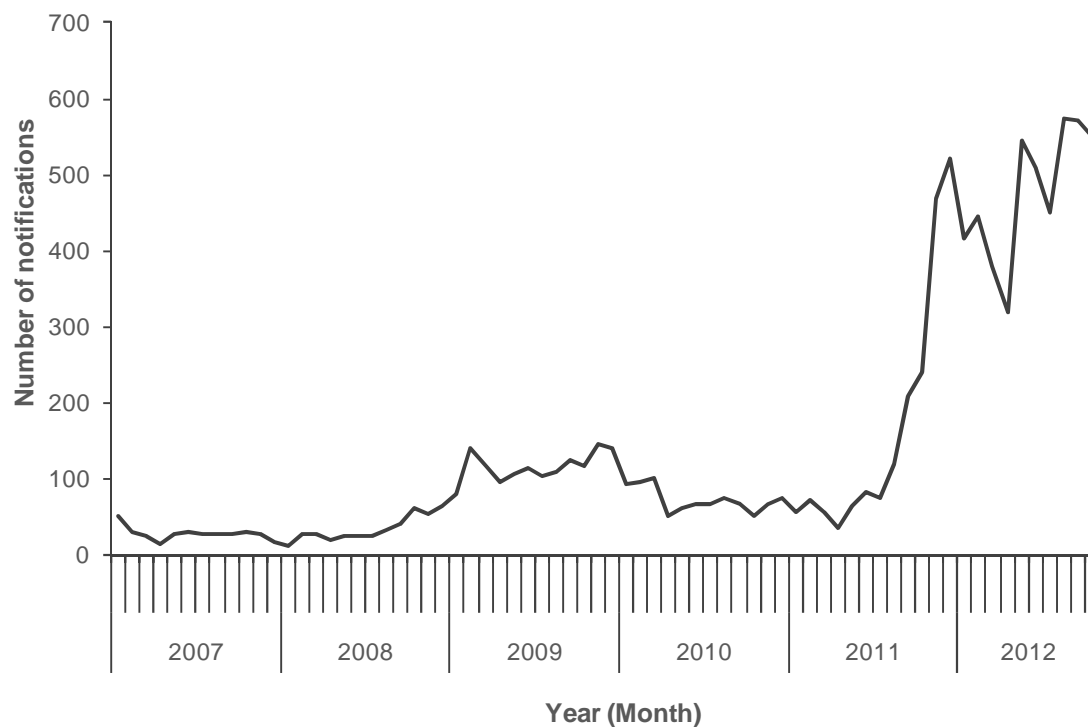
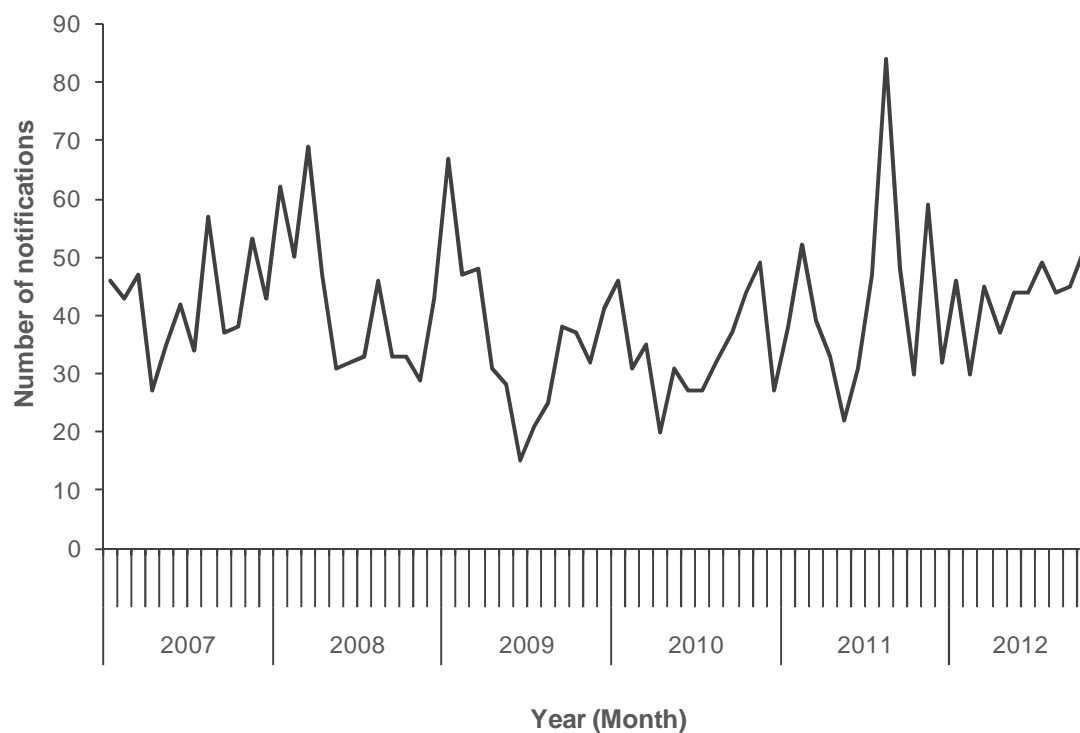


Figure 2: Yersiniosis notifications by month, January 2007 – October 2012



5. Data tables

National Notifiable Disease Surveillance Data October 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	October 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	October 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	660	5611	166.4	546	4971	145.3
Cryptosporidiosis	188	748	19.4	127	502	14.0
Dengue fever	4	69	1.7	2	35	1.0
Gastroenteritis ³	84	537	14.6	59	526	14.0
Giardiasis	132	1468	39.3	127	1669	44.2
Haemophilus influenzae type b	1	6	0.2	1	7	0.2
Hepatitis A	2	78	1.9	0	20	0.5
Hepatitis B ⁴	6	37	0.9	3	50	1.3
Hepatitis C ⁴	1	28	0.7	1	22	0.6
Invasive pneumococcal disease	42	432	11.5	50	479	12.3
Lead absorption	13	249	6.5	10	192	5.5
Legionellosis	8	112	3.5	15	117	4.0
Leptospirosis	14	122	3.1	6	54	1.5
Listeriosis	2	20	0.6	3	21	0.5
Malaria	1	29	0.7	8	49	1.2
Measles	2	72	6.4	100	387	8.8
Meningococcal disease	18	80	2.1	11	108	2.8
Mumps	7	26	0.7	2	44	1.1
Paratyphoid fever	0	16	0.4	1	11	0.2
Pertussis	551	4760	130.5	239	1006	26.0
Rheumatic fever	4	169	4.4	12	139	3.9
Rickettsial disease	0	3	0.1	0	4	0.1
Rubella	1	4	0.1	1	21	0.5
Salmonellosis	92	900	23.9	63	905	24.7
Shigellosis	9	117	3.1	8	81	1.9
Tuberculosis disease	41	256	7.1	16	253	7.1
Typhoid fever	4	33	1.0	3	36	0.9
VTEC/STEC infection	14	124	3.0	9	143	3.5
Yersiniosis	51	435	11.9	30	423	11.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including October 2012) or the previous year (12 months up to and including October 2011), 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

Notifiable Disease Surveillance Data by District Health Board October 2012

		Cases ¹ and current rate ² for October 2012 by District Health Board ³																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawkes Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	26	60	49	38	58	19	33	7	23	23	11	26	18	33	6	18	11	108	19	74
	Rate	157.4	152.1	119.1	101.6	199.9	163.1	133.1	124.5	199.3	208.6	142.7	124.7	127.3	152.0	216.9	211.6	251.8	229.0	328.1	220.9
Cryptosporidiosis	Cases	6	9	4	4	40	5	7	1	9	10	0	8	1	10	4	5	3	25	15	22
	Rate	24.7	8.8	6.4	6.2	46.5	23.3	11.3	2.1	20.9	27.0	7.9	16.6	25.6	37.3	44.4	13.6	21.2	17.7	83.4	20.9
Dengue fever	Cases	0	0	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	2.2	3.9	2.2	0.8	1.0	0.9	2.1	0.0	0.0	0.0	3.0	1.4	2.4	0.0	0.0	3.0	1.0	0.0	2.0
Gastroenteritis	Cases	0	5	17	5	3	9	6	3	0	0	0	16	6	6	1	2	0	5	0	0
	Rate	0.0	15.2	22.1	7.8	12.2	25.2	19.3	6.4	10.9	1.3	15.9	55.2	29.8	25.1	4.9	6.4	15.2	9.2	3.5	1.6
Giardiasis	Cases	5	8	18	17	10	4	8	1	4	5	1	0	2	12	1	4	1	13	4	14
	Rate	31.6	39.6	56.3	26.4	41.1	43.7	46.3	15.0	33.7	38.5	9.5	18.4	33.2	46.2	56.7	58.6	33.4	38.4	39.0	41.8
Haemophilus influenzae type b	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	6.2	3.9	3.0	1.1	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.7	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	1.1	0.4	1.0	0.8	1.9	1.4	4.3	1.8	0.6	0.0	1.2	0.7	0.3	0.0	0.7	0.0	0.6	0.0	0.7
Hepatitis C	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	1.0	0.0	2.1	0.0	1.2	3.5	3.3
Invasive pneumococcal	Cases	0	3	3	9	2	1	3	0	1	4	1	2	1	2	0	2	1	1	1	5
	Rate	17.1	8.6	12.5	14.0	10.9	14.6	17.0	8.6	9.1	12.8	9.5	5.9	9.0	12.2	22.2	15.7	3.0	8.0	14.2	11.1
Lead absorption	Cases	0	2	0	1	0	0	3	0	0	0	0	0	1	1	1	0	0	1	0	3
	Rate	1.3	6.2	14.7	8.2	3.3	3.9	3.8	8.6	7.3	3.9	20.6	6.5	13.8	5.4	12.3	2.1	6.1	2.4	7.1	4.9
Legionellosis	Cases	0	1	0	0	2	0	0	0	0	0	0	2	0	1	0	0	0	1	0	1
	Rate	2.5	3.8	4.2	2.2	2.4	0.0	0.9	0.0	0.9	1.3	0.0	3.0	1.4	2.0	0.0	4.3	6.1	10.7	1.8	2.3
Leptospirosis	Cases	0	0	0	0	1	0	2	0	0	3	0	1	0	0	1	1	1	2	1	1
	Rate	3.8	0.4	0.4	0.4	7.1	0.0	3.8	8.6	5.5	12.8	11.1	6.5	0.7	0.3	9.9	2.1	24.3	2.8	10.6	1.6
Listeriosis	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	0.7	0.2	1.0	0.8	0.0	1.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Malaria	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	0.9	2.0	1.4	0.5	1.0	0.0	0.0	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	5.1	9.5	17.1	16.6	1.9	4.9	0.0	6.4	0.0	1.3	0.0	0.6	0.7	3.1	0.0	0.7	3.0	2.4	3.5	5.2
Meningococcal disease	Cases	2	1	1	2	0	2	0	0	1	0	0	0	0	2	1	3	0	2	0	1
	Rate	2.5	2.0	1.5	1.2	1.9	5.8	2.4	2.1	6.4	1.3	0.0	1.8	0.7	3.1	4.9	2.1	0.0	1.8	5.3	1.6
Mumps	Cases	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
	Rate	0.0	0.5	0.2	0.4	0.5	0.0	0.5	2.1	1.8	0.0	1.6	0.0	0.7	0.7	2.5	2.9	0.0	1.8	3.5	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	0.4	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.0
Pertussis	Cases	7	28	29	34	36	9	12	17	20	5	15	19	32	53	17	48	4	121	12	33
	Rate	46.2	45.6	52.3	57.8	74.8	85.4	61.8	306.9	90.1	91.1	210.9	90.9	277.5	237.9	172.5	663.3	643.2	233.2	99.3	64.0
Rheumatic fever	Cases	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	9.5	2.7	2.8	15.6	5.4	8.7	1.9	19.3	1.8	3.9	0.0	1.8	2.8	4.1	0.0	0.7	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	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	0	0	0	0	1	0	0
	Rate	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	2	6	8	9	5	2	2	0	5	1	0	3	3	1	1	7	1	9	5	22
	Rate	17.7	21.4	23.2	14.6	29.4	24.3	16.5	12.9	22.8	15.4	9.5	19.0	20.1	16.0	12.3	37.2	36.4	27.7	49.7	50.3
Shigellosis	Cases	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Rate	0.6	5.7	5.7	5.2	1.6	0.0	3.8	2.1	3.6	0.6	1.6	1.2	0.0	3.4	0.0	0.0	0.0	2.2	1.8	2.6
Tuberculosis disease	Cases	0	6	7	7	1	1	2	1	1	0	0	2	3	4	0	2	0	2	0	2
	Rate	0.6	7.9	13.6	10.4	5.2	2.9	6.6	6.4	2.7	14.8	1.6	6.5	6.2	8.1	2.5	9.3	3.0	4.2	0.0	2.6
Typhoid fever	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.0	1.3	3.1	2.4	0.0	0.0	0.5	2.1	0.0	0.6	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	2	0	1	0	1	0	2	0	0	2	0	0	0	0	0	1	0	4	0	3
	Rate	7.6	2.0	1.3	1.2	5.2	2.9	8.5	2.1	8.2	2.6	0.0	0.6	0.7	0.0	0.0	2.9	3.0	4.0	7.1	4.6
Yersiniosis	Cases	1	5	5	6	4	0	5	0	1	1	0	1	3	8	0	3	0	4	3	1
	Rate	9.5	16.1	14.5	12.0	14.1	7.8	9.4	12.9	13.7	8.3	4.8	2.4	13.1	18.7	9.9	4.3	9.1	12.3	21.3	4.9

Notifiable Disease Surveillance Data by District Health Board October 2012

		Cases ¹ and current rate ² for October 2012 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	26	60	49	38	58	19	33	7	23	23	11	26	18	33	6	18	11	108	19	74
	Rate	157.4	152.1	119.1	101.6	199.9	163.1	133.1	124.5	199.3	208.6	142.7	124.7	127.3	152.0	216.9	211.6	251.8	229.0	328.1	220.9
Cryptosporidiosis	Cases	6	9	4	4	40	5	7	1	9	10	0	8	1	10	4	5	3	25	15	22
	Rate	24.7	8.8	6.4	6.2	46.5	23.3	11.3	2.1	20.9	27.0	7.9	16.6	25.6	37.3	44.4	13.6	21.2	17.7	83.4	20.9
Dengue fever	Cases	0	0	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	2.2	3.9	2.2	0.8	1.0	0.9	2.1	0.0	0.0	0.0	3.0	1.4	2.4	0.0	0.0	3.0	1.0	0.0	2.0
Gastroenteritis	Cases	0	5	17	5	3	9	6	3	0	0	0	16	6	6	1	2	0	5	0	0
	Rate	0.0	15.2	22.1	7.8	12.2	25.2	19.3	6.4	10.9	1.3	15.9	55.2	29.8	25.1	4.9	6.4	15.2	9.2	3.5	1.6
Giardiasis	Cases	5	8	18	17	10	4	8	1	4	5	1	0	2	12	1	4	1	13	4	14
	Rate	31.6	39.6	56.3	26.4	41.1	43.7	46.3	15.0	33.7	38.5	9.5	18.4	33.2	46.2	56.7	58.6	33.4	38.4	39.0	41.8
Haemophilus influenzae type b	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0
Hepatitis A	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	6.2	3.9	3.0	1.1	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.7	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	1.1	0.4	1.0	0.8	1.9	1.4	4.3	1.8	0.6	0.0	1.2	0.7	0.3	0.0	0.7	0.0	0.6	0.0	0.7
Hepatitis C	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	1.0	0.0	2.1	0.0	1.2	3.5	3.3
Invasive pneumococcal disease	Cases	0	3	3	9	2	1	3	0	1	4	1	2	1	2	0	2	1	1	1	5
	Rate	17.1	8.6	12.5	14.0	10.9	14.6	17.0	8.6	9.1	12.8	9.5	5.9	9.0	12.2	22.2	15.7	3.0	8.0	14.2	11.1
Lead absorption	Cases	0	2	0	1	0	0	3	0	0	0	0	0	1	1	1	0	0	1	0	3
	Rate	1.3	6.2	14.7	8.2	3.3	3.9	3.8	8.6	7.3	3.9	20.6	6.5	13.8	5.4	12.3	2.1	6.1	2.4	7.1	4.9
Legionellosis	Cases	0	1	0	0	2	0	0	0	0	0	0	2	0	1	0	0	0	1	0	1
	Rate	2.5	3.8	4.2	2.2	2.4	0.0	0.9	0.0	0.9	1.3	0.0	3.0	1.4	2.0	0.0	4.3	6.1	10.7	1.8	2.3
Leptospirosis	Cases	0	0	0	0	1	0	2	0	0	3	0	1	0	0	1	1	1	2	1	1
	Rate	3.8	0.4	0.4	0.4	7.1	0.0	3.8	8.6	5.5	12.8	11.1	6.5	0.7	0.3	9.9	2.1	24.3	2.8	10.6	1.6
Listeriosis	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	0.7	0.2	1.0	0.8	0.0	1.4	0.0	0.9	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Malaria	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	0.9	2.0	1.4	0.5	1.0	0.0	0.0	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	5.1	9.5	17.1	16.6	1.9	4.9	0.0	6.4	0.0	1.3	0.0	0.6	0.7	3.1	0.0	0.7	3.0	2.4	3.5	5.2
Meningococcal disease	Cases	2	1	1	2	0	2	0	0	1	0	0	0	0	2	1	3	0	2	0	1
	Rate	2.5	2.0	1.5	1.2	1.9	5.8	2.4	2.1	6.4	1.3	0.0	1.8	0.7	3.1	4.9	2.1	0.0	1.8	5.3	1.6
Mumps	Cases	0	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
	Rate	0.0	0.5	0.2	0.4	0.5	0.0	0.5	2.1	1.8	0.0	1.6	0.0	0.7	0.7	2.5	2.9	0.0	1.8	3.5	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	0.4	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.0
Pertussis	Cases	7	28	29	34	36	9	12	17	20	5	15	19	32	53	17	48	4	121	12	33
	Rate	46.2	45.6	52.3	57.8	74.8	85.4	61.8	306.9	90.1	91.1	210.9	90.9	277.5	237.9	172.5	663.3	643.2	233.2	99.3	64.0
Rheumatic fever	Cases	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	9.5	2.7	2.8	15.6	5.4	8.7	1.9	19.3	1.8	3.9	0.0	1.8	2.8	4.1	0.0	0.7	0.0	0.6	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	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	0	0	0	0	1	0	0
	Rate	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Salmonellosis	Cases	2	6	8	9	5	2	2	0	5	1	0	3	3	1	1	7	1	9	5	22
	Rate	17.7	21.4	23.2	14.6	29.4	24.3	16.5	12.9	22.8	15.4	9.5	19.0	20.1	16.0	12.3	37.2	36.4	27.7	49.7	50.3
Shigellosis	Cases	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.6	5.7	5.7	5.2	1.6	0.0	3.8	2.1	3.6	0.6	1.6	1.2	0.0	3.4	0.0	0.0	0.0	2.2	1.8	2.6
Tuberculosis disease	Cases	0	6	7	7	1	1	2	1	1	0	0	2	3	4	0	2	0	2	0	2
	Rate	0.6	7.9	13.6	10.4	5.2	2.9	6.6	6.4	2.7	14.8	1.6	6.5	6.2	8.1	2.5	9.3	3.0	4.2	0.0	2.6
Typhoid fever	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	0.0	1.3	3.1	2.4	0.0	0.0	0.5	2.1	0.0	0.6	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	2	0	1	0	1	0	2	0	0	0	0	0	0	0	0	1	0	4	0	3
	Rate	7.6	2.0	1.3	1.2	5.2	2.9	8.5	2.1	8.2	2.6	0.0	0.6	0.7	0.0	0.0	2.9	3.0	4.0	7.1	4.6
Yersiniosis	Cases	1	5	5	6	4	0	5	0	1	1	0	1	3	8	0	3	0	4	3	1
	Rate	9.5	16.1	14.5	12.0	14.1	7.8	9.4	12.9	13.7	8.3	4.8	2.4	13.1	18.7	9.9	4.3	9.1	12.3	21.3	4.9

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including October 2012 expressed as cases per 100 000

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

National Notifiable Disease Surveillance Data October 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	October 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	October 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	660	5611	166.4	546	4971	145.3
Cryptosporidiosis	188	748	19.4	127	502	14.0
Dengue fever	4	69	1.7	2	35	1.0
Gastroenteritis ³	84	537	14.6	59	526	14.0
Giardiasis	132	1468	39.3	127	1669	44.2
Haemophilus influenzae type b	1	6	0.2	1	7	0.2
Hepatitis A	2	78	1.9	0	20	0.5
Hepatitis B ⁴	6	37	0.9	3	50	1.3
Hepatitis C ⁴	1	28	0.7	1	22	0.6
Invasive pneumococcal disease	42	432	11.5	50	479	12.3
Lead absorption	13	249	6.5	10	192	5.5
Legionellosis	8	112	3.5	15	117	4.0
Leptospirosis	14	122	3.1	6	54	1.5
Listeriosis	2	20	0.6	3	21	0.5
Malaria	1	29	0.7	8	49	1.2
Measles	2	72	6.4	100	387	8.8
Meningococcal disease	18	80	2.1	11	108	2.8
Mumps	7	26	0.7	2	44	1.1
Paratyphoid fever	0	16	0.4	1	11	0.2
Pertussis	551	4760	130.5	239	1006	26.0
Rheumatic fever	4	169	4.4	12	139	3.9
Rickettsial disease	0	3	0.1	0	4	0.1
Rubella	1	4	0.1	1	21	0.5
Salmonellosis	92	900	23.9	63	905	24.7
Shigellosis	9	117	3.1	8	81	1.9
Tuberculosis disease	41	256	7.1	16	253	7.1
Typhoid fever	4	33	1.0	3	36	0.9
VTEC/STEC infection	14	124	3.0	9	143	3.5
Yersiniosis	51	435	11.9	30	423	11.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including October 2012) or the previous year (12 months up to and including October 2011), 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

National Notifiable Disease Surveillance Data – Monthly totals for October 2012 and preceding 12 Months¹

Disease	Oct 2012	Sep 2012	Aug 2012	Jul 2012	Jun 2012	May 2012	Apr 2012	Mar 2012	Feb 2012	Jan 2012	Dec 2011	Nov 2011
Campylobacteriosis	660	555	531	328	342	521	455	557	661	1001	972	747
Cryptosporidiosis	188	173	97	49	38	47	46	47	28	35	21	87
Dengue fever	4	10	6	16	5	5	7	8	5	3	4	3
Gastroenteritis ²	84	54	35	52	57	46	52	58	48	51	55	49
Giardiasis	132	103	140	140	129	160	154	171	175	164	126	139
Haemophilus influenzae type b	1	0	1	2	1	0	0	0	0	1	0	1
Hepatitis A	2	5	4	3	2	4	4	32	19	3	2	4
Hepatitis B ³	6	5	6	4	5	3	1	2	2	3	0	1
Hepatitis C ³	1	1	3	4	1	2	8	2	4	2	4	0
Invasive pneumococcal disease	42	68	73	65	52	30	31	30	18	23	31	42
Lead absorption	13	21	20	27	25	46	19	21	41	16	25	13
Legionellosis	8	10	6	7	15	4	13	15	13	21	23	17
Leptospirosis	14	14	21	12	10	16	15	2	4	14	7	7
Listeriosis	2	4	2	2	2	2	0	1	1	4	4	1
Malaria	1	3	4	5	6	1	4	1	2	2	2	1
Measles	2	1	0	0	2	1	10	5	17	34	77	132
Meningococcal disease	18	7	17	7	7	4	6	3	4	7	5	6
Mumps	7	4	4	1	1	1	1	2	1	4	1	6
Paratyphoid fever	0	1	3	1	1	0	2	1	7	0	0	1
Pertussis	551	570	575	451	507	545	320	379	445	417	521	469
Rheumatic fever	4	11	13	22	42	23	11	11	18	14	17	8
Rickettsial disease	0	0	1	0	2	0	0	0	0	0	1	1
Rubella	1	0	0	0	0	0	1	1	1	0	0	1
Salmonellosis	92	85	84	72	51	90	83	97	114	132	79	72
Shigellosis	9	8	5	15	10	15	12	18	13	12	9	11
Tuberculosis disease	41	22	26	28	20	23	27	16	28	25	33	23
Typhoid fever	4	1	4	4	3	3	4	4	2	4	6	3
VTEC/STEC infection	14	10	14	8	9	7	20	16	11	15	3	7
Yersiniosis	51	45	44	49	44	44	37	45	30	46	32	59

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