

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 10 January 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:** 975 cases of campylobacteriosis were notified in December 2011 compared to 748 cases notified in the previous month and 675 cases in the same month of the previous year (Figure 1). There were 811 (83.2%) cases that were laboratory-confirmed. For the 12-month period ending 31 December 2011, the highest rates were reported in South Canterbury (225.6 per 100 000 population, 126 cases), Wairarapa (218.5 per 100 000, 88 cases), and Hawke's Bay (209.3 per 100 000, 325 cases) DHBs compared to a national rate of 153.3 per 100 000.
- Hepatitis C:** Five cases of hepatitis C were notified in December 2011 (all under investigation) compared to two cases notified in the same month of the previous year. For the 12-month period ending 31 December 2011 there were 28 cases nationally, compared with 17 cases in the previous year. In the last 12 months the highest rates were reported in South Canterbury (3.6 per 100 000 population, 2 cases), Southern (3.3 per 100 000, 10 cases), Hawke's Bay (1.3 per 100 000, 2 cases), Canterbury (1.2 per 100 000, 6 cases), and MidCentral (1.2 per 100 000, 2 cases) DHBs compared to a national rate of 0.6 per 100 000.
- Listeriosis:** Four cases of listeriosis were notified in December 2011 (3 confirmed, 1 under investigation). There were no perinatal cases. The three laboratory-confirmed cases were from Northland (1), Counties Manukau (1) and Canterbury (1) DHBs and were distributed by age group as follows: 40-49 years (1) and 70+ years (2). All isolates were serotype 4, which is one of the two predominant NZ serotypes. One case died, however listeriosis was not the primary cause of death and there was a history of underlying illness. Risk factors were not reported for the remaining cases.
- Measles:** 81 cases of measles were notified in December 2011 (60 confirmed, 15 probable, 6 under investigation), compared to 133 cases notified in the previous month and 1 case in the same month of the previous year. The remainder of this section relates to the 60 confirmed and 15 probable cases only. The highest number of cases was reported in Counties Manukau DHB (36), followed by Auckland (18), and Waitemata (11) DHBs. Cases were distributed by age group as follows: less than 15 months (18), 15 months-3 years (13), 4-9 years (11), 10-19 years (22), 20-29 years (0), 30-39 years (8) and 40+ years (3). There were 11 hospitalisations reported. Of the 63 cases where vaccination status was recorded, 50 cases were not vaccinated, including 18 cases aged less than 15 months. Thirteen cases had been vaccinated against measles with one case reporting having received two doses of vaccine, 11 cases having received one dose (including 7 cases aged less than 4 years), and no dose information was available for the remaining case.

- *Pertussis*: 540 cases of pertussis were notified in December 2011, compared with 469 cases notified the previous month and 74 cases in the same month of the previous year (Figure 2). There were 76 (14.1%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 105 (19.4%) cases were laboratory-confirmed by PCR. The highest number of cases was reported in Nelson Marlborough DHB (238), followed by Canterbury (70), West Coast (53), Hutt Valley (42) and Capital and Coast (42) DHBs. Cases occurred in all age groups, with the highest numbers in the 5-9 years (87), 1-4 years (71) and 40-49 years (71) age groups. The vaccination status was recorded for 340 (63%) of the cases. Of these, 63 were reported as not vaccinated (including three cases aged less than 6 weeks and therefore not eligible for vaccination), 10 received one dose of vaccine, six received two doses, 163 received three or more doses, and 98 reported as having been vaccinated but no dose information was available. Of the cases where relevant information was recorded, 42.7% (135/316) had contact with a laboratory-confirmed pertussis case and 51.6% (199/386) attended school, pre-school or childcare.
- *Rickettsial disease*: Two cases of murine typhus were notified in December 2011. There was a laboratory-confirmed case in a male in the 20-29 years age group from Waitemata DHB. Overseas travel to Malaysia during the incubation period was reported. The second case was subsequently made "not a case" in January based on repeat serology.
- *Tuberculosis disease*: 37 cases of tuberculosis disease were notified in December 2011 (all were new cases), compared to 32 cases notified in the same month of the previous year. The highest number of cases was reported from Auckland (6 cases), Counties Manukau (6 cases) and Waitemata (6 cases) DHBs. Cases ranged in age between less than 1 year to 70+ years, with the highest numbers of cases in the 20-29 years (13 cases) and 30-39 years (7 cases) age groups. Of the 27 (73.0%) cases for which place of birth was recorded, 21 (77.8%) were born outside New Zealand. Eighteen (48.6%) cases were laboratory confirmed of which 15 cases had *Mycobacterium tuberculosis* isolated.
- *Typhoid fever*: Six laboratory-confirmed cases of typhoid fever were notified in December 2011. Four cases reported travel during the incubation period, with three cases travelling from India and one from Bangladesh. One case had travelled to Tonga before the incubation period and also had household contact in New Zealand with a notified case. The final case, still under investigation, had contact with visitors from Samoa.

2. Outbreaks

Finalised outbreak reports: 9 outbreak reports were created and finalised in EpiSurv during December 2011 (Table 1).

Table 1: Summary of finalised outbreaks created in EpiSurv during December 2011

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	1	6
Gastroenteritis	Counties Manukau ¹	2	134
<i>Giardia</i> ²	Auckland, Waikato, MidCentral	3	14
Norovirus	MidCentral	1	29
Rotavirus	MidCentral, Hutt Valley	2	19
Total		9	202

¹Includes an outbreak of *Clostridium perfringens* involving 132 cases.

²One *Giardia* outbreak reported in Auckland DHB had an overseas exposure location (Fiji).

Interim outbreak reports: 23 interim outbreaks were created in EpiSurv during December 2011 (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 December 2011

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Auckland	2	-
<i>Campylobacter</i> ²	MidCentral, Nelson Marlborough, West Coast	3	60
Gastroenteritis	Waitemata, Auckland, Counties Manukau, Waikato, Taranaki, MidCentral, Canterbury	13	44
Norovirus	Northland, Tairāwhiti, Hutt Valley	3	36
Rotavirus	Taranaki	1	-
<i>Salmonella</i>	Auckland	1	1
Total		23	141

3. Deaths from notifiable diseases

No deaths where the primary cause of death was a notifiable disease were reported in December 2011.

4. Trends in selected diseases to December 2011

Figure 1: Campylobacteriosis notifications by month, January 2006 – December 2011

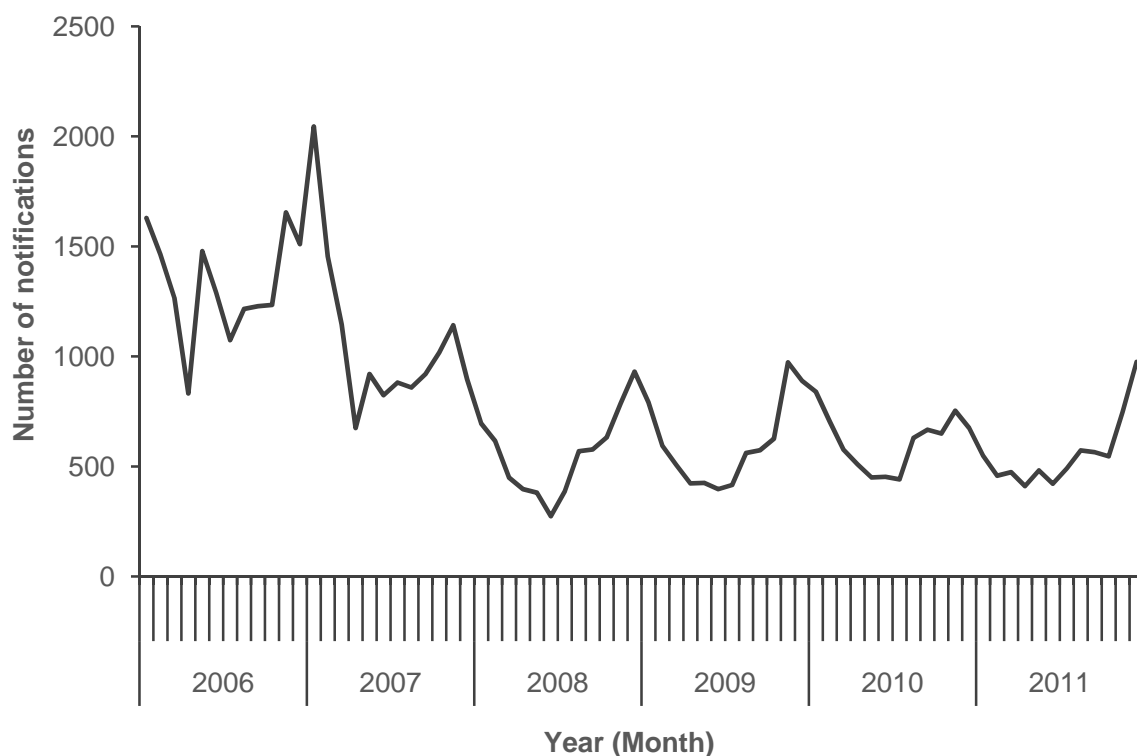
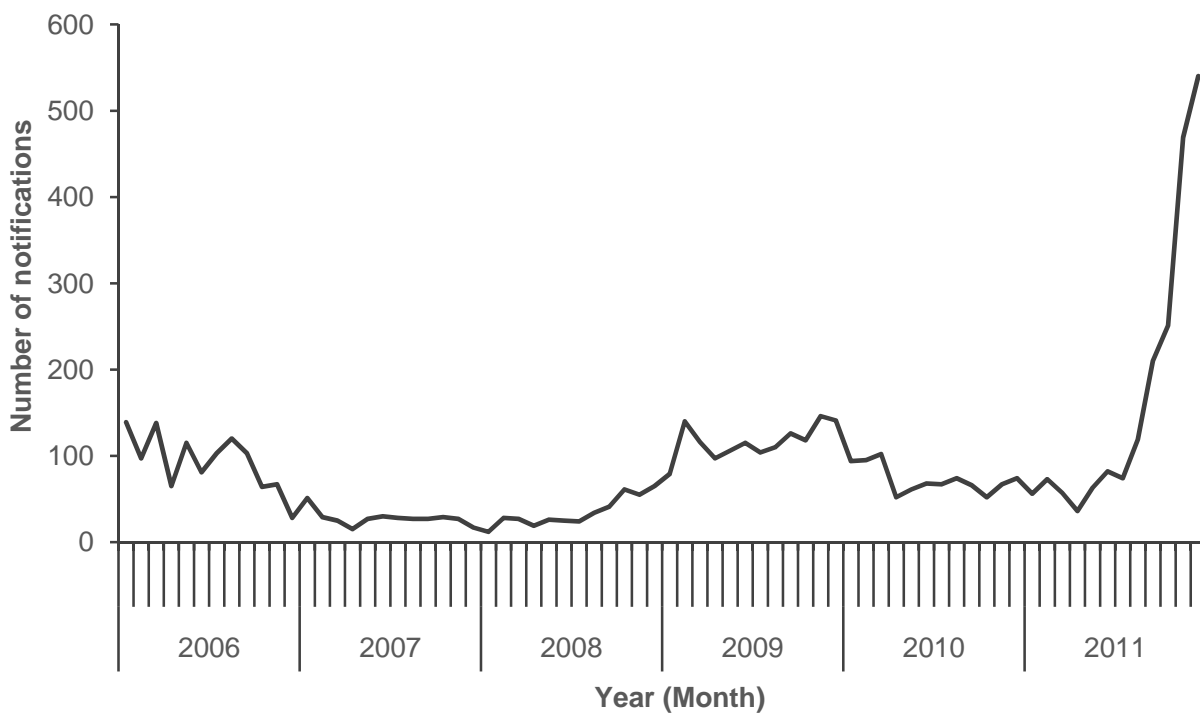


Figure 2: Pertussis notifications by month, January 2006 – December 2011



5. Data tables

National Notifiable Disease Surveillance Data December 2011

Disease	Current Year - 2011 ¹			Previous Year - 2010		
	December 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	December 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	975	6694	153.3	675	7346	168.2
Cryptosporidiosis	20	610	14	38	954	21.8
Dengue fever	4	43	1	4	50	1.1
Gastroenteritis ³	53	632	14.5	40	491	11.2
Giardiasis	126	1935	44.3	127	1985	45.4
Haemophilus influenzae type b	2	12	0.3	1	8	0.2
Hepatitis A	3	27	0.6	3	46	1.1
Hepatitis B ⁴	11	67	1.5	5	51	1.2
Hepatitis C ⁴	5	28	0.6	2	17	0.4
Invasive pneumococcal disease	31	553	12.7	27	535	12.2
Lead absorption	23	229	5.2	23	232	5.3
Legionellosis	37	182	4.2	38	173	4.0
Leptospirosis	8	86	2	6	80	1.8
Listeriosis	4	26	0.6	0	23	0.5
Malaria	2	52	1.2	1	44	1.0
Measles	81	601	13.8	1	48	1.1
Meningococcal disease	5	119	2.7	6	97	2.2
Mumps	2	55	1.3	2	41	0.9
Paratyphoid fever	0	12	0.3	0	19	0.4
Pertussis	540	2015	46.1	74	872	20.0
Rheumatic fever	17	165	3.8	15	167	3.8
Rickettsial disease	2	8	0.2	0	14	0.3
Rubella	0	24	0.5	1	4	0.1
Salmonellosis	81	1061	24.3	84	1146	26.2
Shigellosis	9	101	2.3	2	104	2.4
Tuberculosis disease	37	323	7.4	32	304	7.0
Typhoid fever	6	45	1	2	31	0.7
VTEC/STEC infection	6	157	3.6	4	138	3.2
Yersiniosis	33	518	11.9	27	406	9.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including December 2011) or the previous year (12 months up to and including December 2010), 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 December: Hepatitis NOS (1)

Notifiable Disease Surveillance Data by District Health Board December 2011

		Cases ¹ and current rate ² for December 2011 by District Health Board ³																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāhiti	Taranaki	Hawke's Bay	Whanganui	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	48	140	70	75	107	17	36	9	18	41	12	24	30	45	15	37	16	147	16	72
	Rate	143	142.2	120.6	102.5	189.1	136.5	138	120.4	163.8	209.3	118.7	142.9	155.8	181.6	218.5	144.1	171.1	173.8	225.6	185
Cryptosporidiosis	Cases	0	3	2	1	0	1	0	0	1	0	1	2	1	0	0	2	0	4	0	2
	Rate	17.8	7.6	6.7	7.1	38.7	15.6	10.9	8.6	19.2	10.3	9.5	14.9	18.1	8.9	27.3	8	12.2	10.4	51.9	21
Dengue fever	Cases	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0	0.7	2.2	1.4	0.8	2.9	0.5	2.2	0	0	0	1.8	0	2.1	0	0	3.1	0.4	1.8	0.3
Gastroenteritis	Cases	0	3	5	2	4	1	2	0	1	0	0	15	11	5	0	0	0	3	0	1
	Rate	1.9	11.2	13.3	9.6	3.8	11.7	11.4	6.5	10.1	0.6	15.8	59.2	30.6	30.9	7.4	2.9	18.3	23.4	7.2	5.9
Giardiasis	Cases	3	20	27	5	14	0	7	0	2	4	0	2	2	15	2	7	1	11	1	3
	Rate	40.7	37.4	59.8	39.7	49.1	44.8	57.6	17.2	19.2	45.1	12.7	23.9	45.9	74.8	24.8	50.7	48.9	34.4	64.4	40.2
Haemophilus influenzae type b	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0	0.2	0	0	1.9	1	0	1.8	0.6	0	0	0	0.3	0	0	0	0.2	1.8	0
Hepatitis A	Cases	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.6	2	1	0.8	0	0.5	0	0	1.3	0	0	0	0.3	0	0.7	0	0.4	0	0
Hepatitis B	Cases	0	0	0	0	1	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.2	1	0.8	6.8	6.7	12.9	0	0.6	0	0.6	2.1	0	0	0.7	0	1.2	1.8	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
	Rate	0	0.4	0.4	0.2	0	0	0	0	0	1.3	0	1.2	0	0	0	0.7	0	1.2	3.6	3.3
Invasive pneumococcal disease	Cases	3	5	4	4	3	0	0	1	0	2	1	0	0	4	1	0	0	1	0	2
	Rate	12.7	11.2	11.8	15.3	12.6	28.3	13.8	10.8	10.1	16.7	9.5	11.4	11.8	6.5	17.4	13	0	13.4	14.3	12.2
Lead absorption	Cases	0	1	4	2	0	0	1	1	0	2	2	2	1	0	0	0	0	5	1	1
	Rate	0.6	5.8	10.4	7.7	3.6	1.9	1.4	6.5	4.6	6.4	11.1	4.2	6.3	3.8	0	5.1	9.2	3	14.3	3
Legionellosis	Cases	1	6	4	5	1	0	1	0	1	0	0	3	1	0	0	1	1	11	0	1
	Rate	4.4	4.5	4.2	3.3	1.4	0	1.9	0	2.7	1.9	1.6	2.4	0.7	0.7	2.5	7.2	6.1	12.8	1.8	4.6
Leptospirosis	Cases	1	0	0	0	0	0	0	1	0	1	2	1	0	0	0	1	0	1	0	0
	Rate	5.7	0.4	0.4	0.8	1.1	0	2.4	6.5	2.7	7.1	14.2	3	0	0.3	0	3.6	9.2	2.8	5.4	1
Listeriosis	Cases	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	0.6	0.6	0.7	1	0.5	1	1	0	0	0	0	0	1.4	0.3	0	0	3.1	0.6	0	0.7
Malaria	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.3	3.6	1.4	0.8	0	1.9	0	1.8	0.6	0	0	0	0.3	0	2.9	0	0.6	1.8	0.7
Measles	Cases	0	12	18	38	3	2	0	1	0	1	0	0	1	0	0	1	0	4	0	0
	Rate	2.5	33.5	46.9	15.9	8.2	5.8	3.3	6.5	1.8	17.4	0	0.6	1.4	4.1	0	0.7	0	3.5	1.8	5.9
Meningococcal disease	Cases	0	2	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Rate	8.3	1.7	1.6	3.5	3.6	6.8	1.9	2.2	2.7	2.6	4.7	1.8	3.5	2.4	5	1.4	3.1	1.8	1.8	2.6
Mumps	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	0.4	2.2	1.2	0.3	0	1.4	0	0.9	1.3	1.6	0.6	1.4	0.7	0	8	0	1.6	1.8	0.7
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	1.1	0.2	0	2.9	0	0	0	0	0	0.6	0	0.3	0	0	0	0	0	0.3
Pertussis	Cases	2	24	4	6	9	2	5	14	3	11	0	2	42	42	2	238	53	70	4	7
	Rate	6.4	14	12.2	10.2	23.9	12.7	16.2	81.7	27.5	78.6	20.6	12.6	120.3	78.3	5	329.5	730.2	57.5	30.4	20.1
Rheumatic fever	Cases	2	0	1	6	1	2	0	1	0	0	0	0	0	3	0	1	0	0	0	0
	Rate	12.1	0.9	3.1	10	3.6	7.8	3.8	15.1	0	3.2	4.7	5.4	5.6	4.1	0	2.2	0	0.4	0	0
Rickettsial disease	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.6	0.2	0.2	0.5	0	0	0	0.9	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	1.3	0.6	1.8	0.2	0	0	0	0	0	0	0	0.6	0	0.3	0	0.7	0	0.8	1.8	0.7
Salmonellosis	Cases	1	7	6	3	10	5	5	1	3	1	0	3	2	4	1	5	0	11	1	12
	Rate	22.9	18.1	22	13.2	29.9	30.2	15.2	34.4	15.6	15.5	15.8	20.3	22.3	24.4	29.8	32.6	12.2	28.1	60.9	49.5
Shigellosis	Cases	0	3	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
	Rate	0.6	4.8	4.7	4.9	1.4	1.9	1.4	2.2	0.9	0.6	1.6	0	0	2.4	0	0	0	0.8	1.8	1
Tuberculosis disease	Cases	1	6	6	6	2	0	3	0	0	4	0	2	0	3	0	1	0	3	0	0
	Rate	3.8	7.4	17.5	10.2	6	1.9	6.7	6.5	0.9	11.6	1.6	8.4	7	12.7	0	4.3	0	2.8	3.6	1.3
Typhoid fever	Cases	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	2.8	2.4	2	0	1	1	0	0	0.6	0	1.2	0	0.3	0	0	0	0.4	0	0
VTEC/STEC infection	Cases	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	5.1	1.7	2.2	3.3	8.8	4.9	3.8	4.3	8.2	2.6	0	1.8	2.8	1.7	2.5	2.2	9.2	4.9	7.2	2
Yersiniosis	Cases	0	3	6	6	4	1	0	0	0	0	0	0	1	3	0	2	0	4	1	2
	Rate	5.1	14.3	14.9	10.8	23.1	16.6	8.1	6.5	12.8	4.5	6.3	3.6	18.1	17.8	7.4	5.8	18.3	9.4	9	4.3

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including December 2011 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 December 2011

		Cases ¹ and current rate ² for December 2011 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	48	140	70	75	107	17	36	9	18	41	12	24	30	45	15	37	16	147	16	72
	Rate	143	142.2	120.6	102.5	189.1	136.5	138	120.4	163.8	209.3	118.7	142.9	155.8	181.6	218.5	144.1	171.1	173.8	225.6	185
Cryptosporidiosis	Cases	0	3	2	1	0	1	0	0	1	0	1	2	1	0	0	2	0	4	0	2
	Rate	17.8	7.6	6.7	7.1	38.7	15.6	10.9	8.6	19.2	10.3	9.5	14.9	18.1	8.9	27.3	8	12.2	10.4	51.9	21.1
Dengue fever	Cases	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0	0.7	2.2	1.4	0.8	2.9	0.5	2.2	0	0	0	1.8	0	2.1	0	0	3.1	0.4	1.8	0.3
Gastroenteritis	Cases	0	3	5	2	4	1	2	0	1	0	0	15	11	5	0	0	0	3	0	1
	Rate	1.9	11.2	13.3	9.6	3.8	11.7	11.4	6.5	10.1	0.6	15.8	59.2	30.6	30.9	7.4	2.9	18.3	23.4	7.2	5.9
Giardiasis	Cases	3	20	27	5	14	0	7	0	2	4	0	2	2	15	2	7	1	11	1	3
	Rate	40.7	37.4	59.8	39.7	49.1	44.8	57.6	17.2	19.2	45.1	12.7	23.9	45.9	74.8	24.8	50.7	48.9	34.4	64.4	40.2
Haemophilus influenzae type b	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0	0.2	0	0	1.9	1	0	1.8	0.6	0	0	0	0.3	0	0	0	0.2	1.8	0
Hepatitis A	Cases	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.6	2	1	0.8	0	0.5	0	0	1.3	0	0	0	0.3	0	0.7	0	0.4	0	0
Hepatitis B	Cases	0	0	0	0	1	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.2	1	0.8	6.8	6.7	12.9	0	0.6	0	0.6	2.1	0	0	0.7	0	1.2	1.8	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
	Rate	0	0.4	0.4	0.2	0	0	0	0	0	1.3	0	1.2	0	0	0	0.7	0	1.2	3.6	3.3
Invasive pneumococcal disease	Cases	3	5	4	4	3	0	0	1	0	2	1	0	0	4	1	0	0	1	0	2
	Rate	12.7	11.2	11.8	15.3	12.6	28.3	13.8	10.8	10.1	16.7	9.5	11.4	11.8	6.5	17.4	13	0	13.4	14.3	12.2
Lead absorption	Cases	0	1	4	2	0	0	1	1	0	2	2	2	1	0	0	0	0	5	1	1
	Rate	0.6	5.8	10.4	7.7	3.6	1.9	1.4	6.5	4.6	6.4	11.1	4.2	6.3	3.8	0	5.1	9.2	3	14.3	3
Legionellosis	Cases	1	6	4	5	1	0	1	0	1	0	0	3	1	0	0	1	1	11	0	1
	Rate	4.4	4.5	4.2	3.3	1.4	0	1.9	0	2.7	1.9	1.6	2.4	0.7	0.7	2.5	7.2	6.1	12.8	1.8	4.6
Leptospirosis	Cases	1	0	0	0	0	0	0	1	0	1	2	1	0	0	0	1	0	1	0	0
	Rate	5.7	0.4	0.4	0.8	1.1	0	2.4	6.5	2.7	7.1	14.2	3	0	0.3	0	3.6	9.2	2.8	5.4	1
Listeriosis	Cases	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	Rate	0.6	0.6	0.7	1	0.5	1	1	0	0	0	0	0	1.4	0.3	0	0	3.1	0.6	0	0.7
Malaria	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.3	3.6	1.4	0.8	0	1.9	0	1.8	0.6	0	0	0	0.3	0	2.9	0	0.6	1.8	0.7
Measles	Cases	0	12	18	38	3	2	0	1	0	1	0	0	1	0	0	1	0	4	0	0
	Rate	2.5	33.5	46.9	15.9	8.2	5.8	3.3	6.5	1.8	17.4	0	0.6	1.4	4.1	0	0.7	0	3.5	1.8	5.9
Meningococcal disease	Cases	0	2	0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	Rate	8.3	1.7	1.6	3.5	3.6	6.8	1.9	2.2	2.7	2.6	4.7	1.8	3.5	2.4	5	1.4	3.1	1.8	1.8	2.6
Mumps	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	0.4	2.2	1.2	0.3	0	1.4	0	0.9	1.3	1.6	0.6	1.4	0.7	0	8	0	1.6	1.8	0.7
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	1.1	0.2	0	2.9	0	0	0	0	0	0.6	0	0.3	0	0	0	0	0	0.3
Pertussis	Cases	2	24	4	6	9	2	5	14	3	11	0	2	42	42	2	238	53	70	4	7
	Rate	6.4	14	12.2	10.2	23.9	12.7	16.2	81.7	27.5	78.6	20.6	12.6	120.3	78.3	5	329.5	730.2	57.5	30.4	20.1
Rheumatic fever	Cases	2	0	1	6	1	2	0	1	0	0	0	0	0	3	0	1	0	0	0	0
	Rate	12.1	0.9	3.1	10	3.6	7.8	3.8	15.1	0	3.2	4.7	5.4	5.6	4.1	0	2.2	0	0.4	0	0
Rickettsial disease	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.6	0.2	0.2	0.5	0	0	0	0.9	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	1.3	0.6	1.8	0.2	0	0	0	0	0	0	0	0.6	0	0.3	0	0.7	0	0.8	1.8	0.7
Salmonellosis	Cases	1	7	6	3	10	5	5	1	3	1	0	3	2	4	1	5	0	11	1	12
	Rate	22.9	18.1	22	13.2	29.9	30.2	15.2	34.4	15.6	15.5	15.8	20.3	22.3	24.4	29.8	32.6	12.2	28.1	60.9	49.5
Shigellosis	Cases	0	3	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
	Rate	0.6	4.8	4.7	4.9	1.4	1.9	1.4	2.2	0.9	0.6	1.6	0	0	2.4	0	0	0	0.8	1.8	1
Tuberculosis disease	Cases	1	6	6	6	2	0	3	0	0	4	0	2	0	3	0	1	0	3	0	0
	Rate	3.8	7.4	17.5	10.2	6	1.9	6.7	6.5	0.9	11.6	1.6	8.4	7	12.7	0	4.3	0	2.8	3.6	1.3
Typhoid fever	Cases	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	2.8	2.4	2	0	1	1	0	0	0.6	0	1.2	0	0.3	0	0	0	0.4	0	0
VTEC/STEC infection	Cases	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0
	Rate	5.1	1.7	2.2	3.3	8.8	4.9	3.8	4.3	8.2	2.6	0	1.8	2.8	1.7	2.5	2.2	9.2	4.9	7.2	2
Yersiniosis	Cases	0	3	6	6	4	1	0	0	0	0	0	0	1	3	0	2	0	4	1	2
	Rate	5.1	14.3	14.9	10.8	23.1	16.6	8.1	6.5	12.8	4.5	6.3	3.6	18.1	17.8	7.4	5.8	18.3	9.4	9	4.3

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including December 2011 expressed as cases per 100 000

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

Notifiable Disease Surveillance Data for the 12 months ending December-2011 by District Health Board

Disease	Cases for the 12 months ending December 2011 ^{1 2} by District Health Board																			
	Total	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
Campylobacteriosis	6694	225	764	543	503	689	140	290	56	179	325	75	239	224	529	88	199	56	883	126
Cryptosporidiosis	610	28	41	30	35	141	16	23	4	21	16	6	25	26	26	11	11	4	53	29
Dengue fever	43	0	4	10	7	3	3	1	1	0	0	0	3	0	6	0	0	1	2	1
Gastroenteritis	632	3	60	60	47	14	12	24	3	11	1	10	99	44	90	3	4	6	119	4
Giardiasis	1935	64	201	269	195	179	46	121	8	21	70	8	40	66	218	10	70	16	175	36
Haemophilus influenzae type b	12	1	0	1	0	0	2	2	0	2	1	0	0	0	1	0	0	0	1	1
Hepatitis A	27	0	3	9	5	3	0	1	0	0	2	0	0	0	1	0	1	0	2	0
Hepatitis B	67	2	6	10	5	3	7	14	6	0	1	0	1	3	0	0	1	0	6	1
Hepatitis C	28	0	2	2	1	0	0	0	0	0	2	0	2	0	0	0	1	0	6	2
Invasive pneumococcal disease	553	20	60	53	75	46	29	29	5	11	26	6	19	17	19	7	18	0	68	8
Lead absorption	229	1	31	47	38	13	2	3	3	5	10	7	7	9	11	0	7	3	15	8
Legionellosis	182	7	24	19	16	5	0	4	0	3	3	1	4	1	2	1	10	2	65	1
Leptospirosis	86	9	2	2	4	4	0	5	3	3	11	9	5	0	1	0	5	3	14	3
Listeriosis	26	1	3	3	5	2	1	2	0	0	0	0	0	2	1	0	0	1	3	0
Malaria	52	1	7	16	7	3	0	4	0	2	1	0	0	0	1	0	4	0	3	1
Measles	601	4	180	211	78	30	6	7	3	2	27	0	1	2	12	0	1	0	18	1
Meningococcal disease	119	13	9	7	17	13	7	4	1	3	4	3	3	5	7	2	2	1	9	1
Mumps	55	2	2	10	6	1	0	3	0	1	2	1	1	2	2	0	11	0	8	1
Paratyphoid fever	12	0	0	5	1	0	3	0	0	0	0	0	1	0	1	0	0	0	0	0
Pertussis	2015	10	75	55	50	87	13	34	38	30	122	13	21	173	228	2	455	239	292	17
Rheumatic fever	165	19	5	14	49	13	8	8	7	0	5	3	9	8	12	0	3	0	2	0
Rickettsial disease	8	0	3	1	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Rubella	24	2	3	8	1	0	0	0	0	0	0	0	1	0	1	0	1	0	4	1
Salmonellosis	1061	36	97	99	65	109	31	32	16	17	24	10	34	32	71	12	45	4	143	34
Shigellosis	101	1	26	21	24	5	2	3	1	1	1	1	0	0	7	0	0	0	4	1
Tuberculosis disease	323	6	40	79	50	22	2	14	3	1	18	1	14	10	37	0	6	0	14	2
Typhoid fever	45	0	15	11	10	0	1	2	0	0	1	0	2	0	1	0	0	0	2	0
VTEC/STEC infection	157	8	9	10	16	32	5	8	2	9	4	0	3	4	5	1	3	3	25	4
Yersiniosis	518	8	77	67	53	84	17	17	3	14	7	4	6	26	52	3	8	6	48	5

¹ These data are provisional

² Further data are available from the local Medical Officer of Health

National Notifiable Disease Surveillance Data December 2011

Disease	Current Year - 2011 ¹			Previous Year - 2010		
	December 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	December 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	975	6694	153.3	675	7346	168.2
Cryptosporidiosis	20	610	14	38	954	21.8
Dengue fever	4	43	1	4	50	1.1
Gastroenteritis ³	53	632	14.5	40	491	11.2
Giardiasis	126	1935	44.3	127	1985	45.4
Haemophilus influenzae type b	2	12	0.3	1	8	0.2
Hepatitis A	3	27	0.6	3	46	1.1
Hepatitis B ⁴	11	67	1.5	5	51	1.2
Hepatitis C ⁴	5	28	0.6	2	17	0.4
Invasive pneumococcal disease	31	553	12.7	27	535	12.2
Lead absorption	23	229	5.2	23	232	5.3
Legionellosis	37	182	4.2	38	173	4.0
Leptospirosis	8	86	2	6	80	1.8
Listeriosis	4	26	0.6	0	23	0.5
Malaria	2	52	1.2	1	44	1.0
Measles	81	601	13.8	1	48	1.1
Meningococcal disease	5	119	2.7	6	97	2.2
Mumps	2	55	1.3	2	41	0.9
Paratyphoid fever	0	12	0.3	0	19	0.4
Pertussis	540	2015	46.1	74	872	20.0
Rheumatic fever	17	165	3.8	15	167	3.8
Rickettsial disease	2	8	0.2	0	14	0.3
Rubella	0	24	0.5	1	4	0.1
Salmonellosis	81	1061	24.3	84	1146	26.2
Shigellosis	9	101	2.3	2	104	2.4
Tuberculosis disease	37	323	7.4	32	304	7.0
Typhoid fever	6	45	1	2	31	0.7
VTEC/STEC infection	6	157	3.6	4	138	3.2
Yersiniosis	33	518	11.9	27	406	9.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including December 2011) or the previous year (12 months up to and including December 2010), 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 December: Hepatitis NOS (1)