

MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff as at 4 February 2011. 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*: 548 cases of campylobacteriosis were notified in January 2011 compared to 840 cases notified in the same month of the previous year. Four hundred and seventy-five (86.7%) cases were laboratory-confirmed. For the 12-month period ending 31 January 2011, the highest cumulative incidence were reported in Taranaki (237.0 per 100 000 population, 259 cases), Hutt Valley (217.7 per 100 000, 313 cases), and South Canterbury (216.6 per 100 000, 121 cases) DHBs compared to a national rate of 161.5 per 100 000.
- *Enterobacter (Cronobacter) sakazakii*: One case of *Enterobacter sakazakii* was notified in January 2011. A different organism was identified upon reference laboratory testing and so the case's status has been updated to 'not a case'.
- *Giardiasis*: 172 cases of giardiasis were notified in January 2011 compared to 150 cases notified in the same month of the previous year (Figure 1). The highest number of cases was reported in Waitemata DHB (27 cases), followed by Auckland (26 cases) and Canterbury (24) DHBs. Among the cases where risk information was recorded, 37.0% (14/38) had contact with other symptomatic people, 36.0% (10/28) had consumed food from a food premise, 30.0% (9/30) had consumed untreated water, 14.3% (7/49) had been overseas during the incubation period, 56.3% (18/32) had recreational contact with water, and 32.4% (12/37) had contact with farm animals during the incubation period. Two *Giardia* outbreaks involving two cases each were reported as finalised in January. In addition, there are two interim giardiasis outbreaks still to be finalised.
- *Hydatid disease*: One case of hydatid disease was notified in January 2011. The case was a 40-49 year old male from Waikato DHB and is still under investigation. Repeat serology is pending, but based on current knowledge of the case, it is most likely to be made 'not a case'.
- *Legionellosis*: 21 cases of legionellosis were notified in January 2011 (6 confirmed, 5 probable and 10 under investigation) compared to 12 in the same month of the previous year. The following section is based on confirmed and probable cases only. The highest number of cases was reported in Canterbury DHB (6 cases), followed by Otago DHB (3 cases). Cases were distributed by age group as follows: 40-49 years (1), 50-59 years (3), 60-69 years (4), and 70+ years (3). Eight hospitalisations were reported. Among the cases where risk information was recorded, seven were exposed to environmental sources of infection (6 cases reported exposure to compost/potting mix and one to a respiratory therapy device), three were immunosuppressed or had a debilitating condition, and one was a smoker. The *Legionella* species was identified in seven cases: *Legionella longbeachae* serogroup 1 or 2 (5 cases) and *L. longbeachae* serogroup 1 (2 cases).

- *Measles*: 11 cases of measles were notified in January 2011 (8 confirmed, 1 probable, 2 under investigation), compared to one case notified in the previous month and no cases in the same month of the previous year (Figure 2). There were eight laboratory confirmed cases. Nine of the cases were reported in the Auckland region, with the remaining cases from Capital and Coast and Canterbury DHBs (1 case each). Cases were distributed as follows: <1 year (1), 1-4 years (2), 5-9 years (1), 10-14 years (4), 15-19 years (2), and 20-29 years (1). One hospitalisation was reported. Ten cases had immunisation information recorded. Of these, one case had received one dose as appropriate, and the remaining nine cases had not been immunised. Eight of the 11 cases reported in January 2011 were part of an outbreak linked with international travel.
- *Meningococcal disease*: Four cases of meningococcal disease were notified during January 2011, all of which were laboratory-confirmed. In comparison, four cases (3 laboratory-confirmed) were notified in the previous month and seven (six laboratory-confirmed) during the same month of the previous year. For the 12-month period ending 31 January 2011, the highest incidence rates were reported in Hutt Valley (5.6 per 100 000 population, 8 cases), Hawke's Bay (4.5 per 100 000, 7 cases), and Southland (4.4 per 100 000, 5 cases) DHBs. The highest age-specific rate was in infants aged less than one year (40.8 per 100 000 population, 26 cases), followed by those in the 1-4 years age group (9.3 per 100 000, 23 cases).
- *Salmonellosis*: 125 cases of salmonellosis were notified in January 2011 compared to 84 notified in the previous month and 99 cases the same month of the previous year. There were 111 (88.8%) laboratory-confirmed cases. Canterbury DHB reported the highest number of cases (18 cases), followed by Otago (15 cases), Southland (13 cases), and Counties Manukau (12 cases) DHBs. Salmonellosis occurred in all age groups, with the highest numbers of cases in the 40-49 years (21 cases), 50-59 years (18 cases), and 1-4 years (17 cases) age groups. Of the 65 cases with hospitalisation information, 15 were hospitalised. The serotype involved was identified in 85 of the cases, and most prevalent serotypes were *Salmonella* Typhimurium phage type 160 (13 cases), *S. Typhimurium* phage type 1 (9 cases), *S. Typhimurium* phage type RDNC-May 06 (8 cases), *S. Infantis* (8 cases), and *S. Saintpaul* (7 cases).
- *Taeniasis*: Two cases of taeniasis were notified in January 2011 of which one has been laboratory-confirmed although the species could not be determined. The laboratory-confirmed case was a female in the 20-29 years age group from Hutt Valley DHB, the case was from Sudan and is considered to have acquired the disease there. The second case was a male of Asian ethnicity in the 30-39 years age group from Northland DHB who had previously acquired the infection while in the Philippines.
- *VTEC/STEC infection*: 22 cases of VTEC/STEC infection were notified in January 2011, compared to four cases notified in the preceding month and nine cases in the same month of the previous year. Waikato DHB had the highest number of cases (9 cases). The cases were aged from one year to 70+ years, with the highest number of cases in children aged less than five years (8 cases). Seven cases were hospitalised. *Escherichia coli* O157:H7 was isolated in 16 cases. The serotype for the remaining cases is unknown as yet. Among the cases for which risk factor information was recorded, 90% (9/10) had contact with animals, 71.4% (5/7) had been on a farm, 50% (3/6) had contact with manure, 28.6% (2/7) had contact with children in nappies, and 20% (2/10) had contact with another person with similar symptoms. One household outbreak involving four cases of *Escherichia coli* O157:H7 was reported from Waikato DHB during January.

2. Outbreaks

Completed outbreak reports: 16 outbreak reports were entered into EpiSurv and completed during January 2011 (Table 1).

Table 1: Summary of completed outbreaks reported to ESR during January 2011

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i> ¹	Manawatu, Wellington	1	7
<i>Campylobacter</i>	Waikato	1	2
<i>Escherichia coli</i> 0157:H7	Waikato	1	4
Gastroenteritis	Auckland, Hawke's Bay, Manawatu, Wellington	5	26
<i>Giardia</i>	Auckland, Hawke's Bay	2	4
Norovirus	Auckland, Rotorua, Manawatu, Wellington, Canterbury, South Canterbury	6	98
Total		16	141

¹ Exposure/transmission occurred in multiple health districts (Manawatu and Wellington)

Interim outbreak reports: 25 interim outbreaks have been reported in January 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 reported to ESR during January 2011

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Southland	1	6
<i>Campylobacter</i> ²	Waikato	1	-
<i>Cryptosporidium</i>	South Canterbury	1	25
Gastroenteritis	Auckland, Taranaki, Manawatu, Wellington, Otago, Southland	15	63
<i>Giardia</i>	Waikato	2	5
Influenza virus ²	Canterbury	1	-
Measles virus	Auckland	1	8
Rotavirus	Waikato, Hutt	2	20
VTEC/STEC infection ²	Waikato	1	-
Total		25	127

² Interim outbreaks where total number of cases had not been completed

3. Deaths from notifiable diseases

Three deaths were reported in January 2011 from invasive pneumococcal disease and one from pertussis (Table 3).

Table 3: Summary of deaths from notifiable diseases reported during January 2011

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Waikato	70+
Invasive pneumococcal disease	Whanganui	70+
Invasive pneumococcal disease	Southland	70+
Pertussis	Otago	<1

4. Trends in selected diseases to January 2011

Figure 1: Giardiasis notifications by month, January 2005 – January 2011

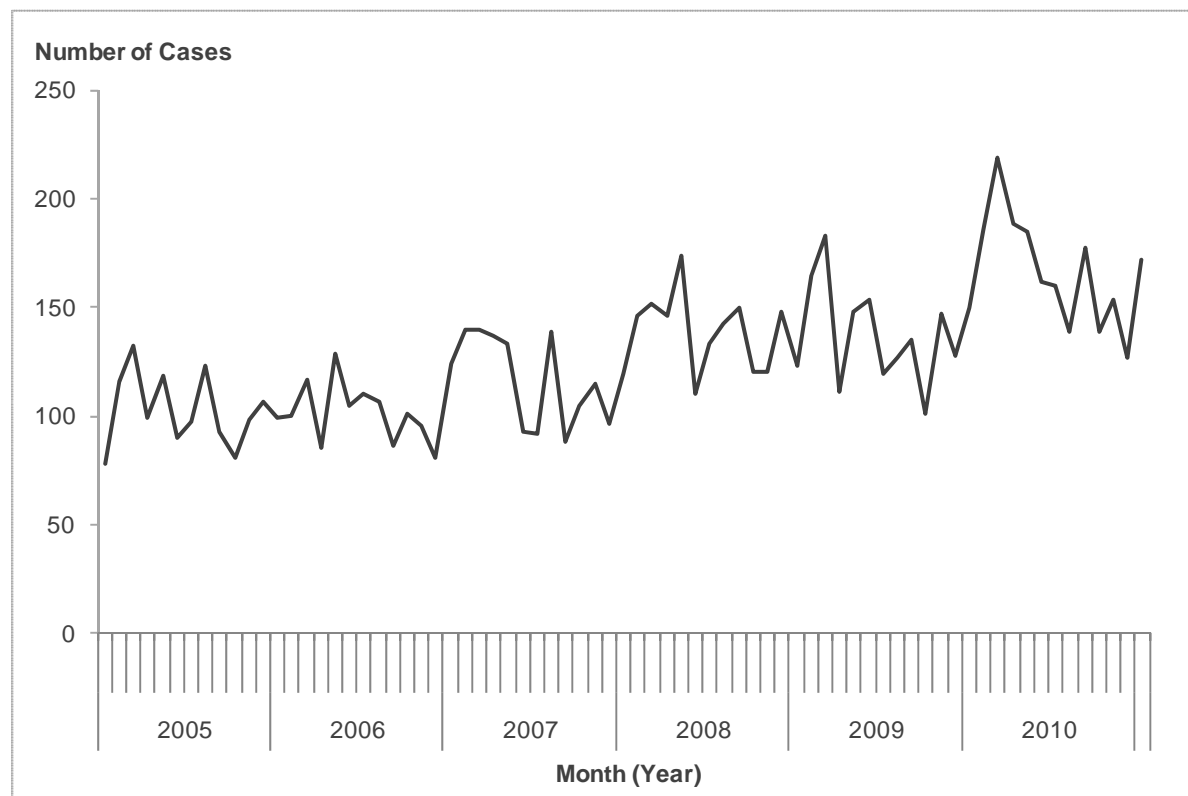
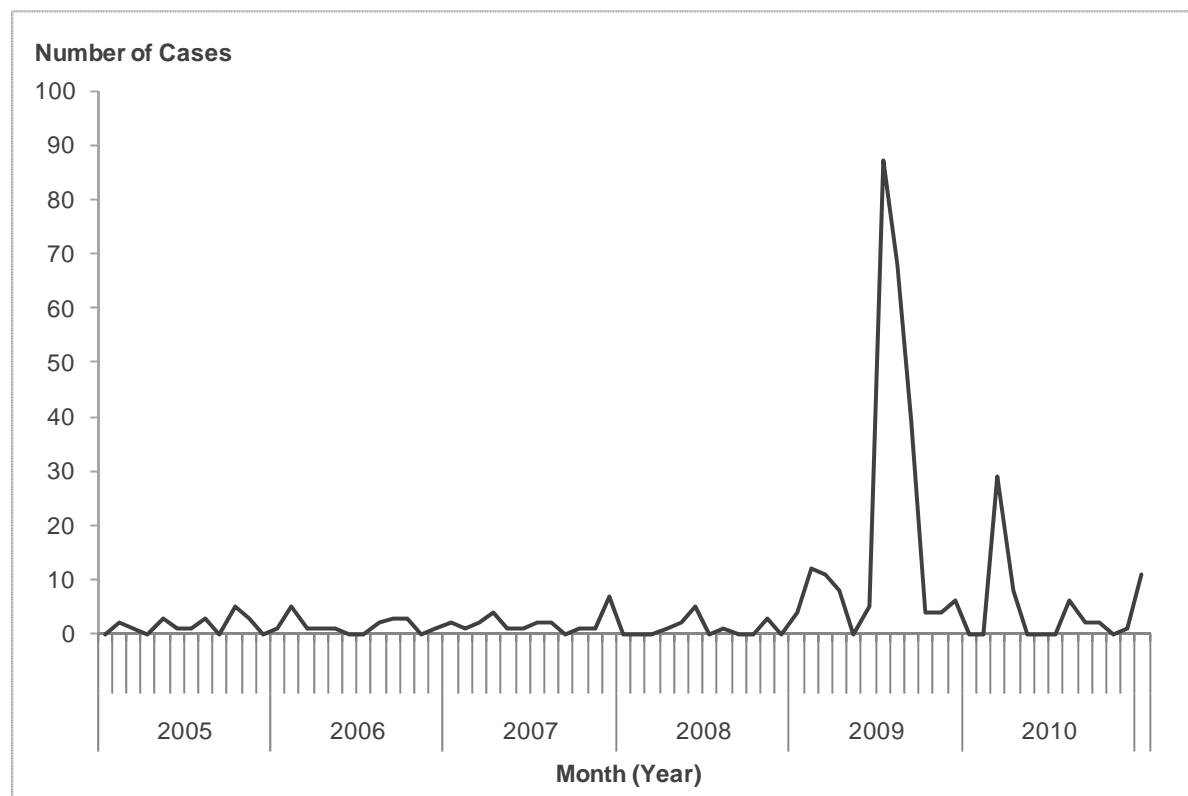


Figure 2: Measles notifications by month, January 2005 – January 2011



5. Data tables

National Notifiable Disease Surveillance Data January 2011

Disease	Current Year - 2011 ¹			Previous Year - 2010		
	January 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	January 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	548	548	161.5	840	840	167.4
Cryptosporidiosis	31	31	21.0	68	68	20.7
Dengue fever	3	3	1.2	0	0	2.5
Gastroenteritis ³	41	41	11.2	42	42	16.6
Giardiasis	172	172	45.9	150	150	38.6
Haemophilus influenzae type b	0	0	0.1	3	3	0.3
Hepatitis A	4	4	1.1	3	3	1.0
Hepatitis B ⁴	5	5	1.2	4	4	1.2
Hepatitis C ⁴	0	0	0.4	1	1	0.7
Invasive pneumococcal disease	29	29	12.3	27	27	15.7
Lead absorption	13	13	4.7	7	7	6.3
Legionellosis	21	21	4.4	12	12	1.7
Leptospirosis	4	4	1.7	10	10	1.7
Listeriosis	3	3	0.5	4	4	0.7
Malaria	7	7	0.9	10	10	1.3
Measles	11	11	1.4	0	0	5.7
Meningococcal disease	4	4	2.2	7	7	3.0
Mumps	3	3	0.9	6	6	1.6
Paratyphoid fever	0	0	0.4	1	1	0.6
Pertussis	55	55	19.1	94	94	32.7
Rheumatic fever	6	6	3.8	9	9	3.2
Rickettsial disease	0	0	0.3	1	1	0.1
Rubella	2	2	0.1	0	0	0.1
Salmonellosis	125	125	26.8	99	99	25.1
Shigellosis	8	8	2.5	5	5	2.7
Tuberculosis disease	31	31	7.1	30	30	7.0
Typhoid fever	3	3	0.6	8	8	0.8
VTEC/STEC infection	22	22	3.5	9	9	3.2
Yersiniosis	38	38	9.1	46	46	9.5

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including January 2011) or the previous year (12 months up to and including January 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 is currently notifiable

Other notifiable infectious disease reported in January 2011: Chemical poisoning from the environment (1), Enterobacter sakazakii (1), Hydatid disease (1), Taeniasis (2)

Notifiable Disease Surveillance Data by District Health Board January 2011

		Cases ¹ and current rate ² for January 2011 by District Health Board ³																				
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Manawatu	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland
Campylobacteriosis	Cases	20	56	41	33	49	11	27	3	22	26	6	18	19	40	7	25	3	83	9	40	10
	Rate	120.1	148.8	138.2	103.1	180.3	168.6	142.3	77.4	237.0	190.0	137.7	142.3	217.7	188.8	178.7	170.9	192.5	180.8	216.6	206.1	201.7
Cryptosporidiosis	Cases	1	3	6	1	3	2	2	1	0	0	0	0	2	2	0	0	0	3	3	1	1
	Rate	26.7	14.9	14.7	7.3	39.2	14.6	7.6	10.8	26.5	27.7	7.9	11.4	7.6	11.7	14.9	25.3	24.4	38.2	87.7	22.6	33.6
Dengue fever	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	Rate	1.3	1.1	2.7	0.6	2.5	1.0	1.4	2.2	0.9	0.0	1.6	0.0	0.0	2.1	0.0	0.0	0.0	0.8	1.8	1.1	1.8
Gastroenteritis	Cases	0	3	7	4	2	2	3	0	0	0	1	5	3	3	0	0	0	4	2	2	0
	Rate	1.9	9.7	13.8	5.3	8.0	5.8	6.2	0.0	11.9	1.9	25.3	26.9	36.9	30.9	7.4	5.8	21.4	9.2	3.6	6.3	0.9
Giardiasis	Cases	2	27	26	18	15	3	7	0	2	8	0	1	4	13	1	4	1	24	2	10	4
	Rate	24.8	49.2	68.9	41.0	51.6	39.0	34.7	32.3	30.2	69.6	33.2	16.7	36.2	49.8	39.7	35.5	27.5	55.5	37.6	36.3	38.9
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	Cases	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
	Rate	0.6	0.4	1.3	2.0	0.8	1.0	0.5	4.3	0.0	1.9	1.6	1.2	0.7	1.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0
Hepatitis B	Cases	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.4	2.0	1.8	0.5	3.9	0.0	10.8	0.0	1.9	1.6	0.6	1.4	0.7	2.5	0.7	0.0	1.2	0.0	1.6	0.0
Hepatitis C	Cases	0	0	0	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	2.7	0.0	0.0	0.0	0.7	1.4	0.0	0.0	0.0	0.6	0.0	0.5	0.0
Invasive pneumococcal disease	Cases	0	2	2	5	4	0	1	0	1	2	2	0	1	0	0	1	0	3	1	3	1
	Rate	10.8	10.8	10.4	21.4	13.4	16.6	15.7	2.2	8.2	16.1	15.8	10.2	14.6	7.2	12.4	3.6	3.1	8.7	7.2	16.3	15.0
Lead absorption	Cases	0	0	0	3	0	0	0	0	2	1	0	1	0	2	0	2	0	2	0	0	0
	Rate	3.8	3.2	3.8	3.1	4.4	0.0	2.4	4.3	5.5	5.8	11.1	5.4	14.6	3.8	7.4	4.3	0.0	5.1	12.5	12.1	0.9
Legionellosis	Cases	1	3	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	9	0	3	1
	Rate	8.3	4.5	4.0	3.3	1.4	1.0	2.9	0.0	2.7	2.6	0.0	1.8	3.5	1.0	0.0	0.7	6.1	13.2	3.6	5.3	7.1
Leptospirosis	Cases	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0
	Rate	1.3	0.2	0.0	0.2	3.6	0.0	1.4	6.5	0.0	9.7	12.7	6.6	0.0	0.0	5.0	2.2	18.3	0.6	0.0	0.5	3.5
Listeriosis	Cases	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	1.1	0.8	0.0	0.0	0.5	2.2	0.9	0.0	1.6	1.2	0.7	0.3	0.0	0.0	3.1	0.0	0.0	1.1	0.0
Malaria	Cases	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0
	Rate	0.0	0.7	2.9	1.4	0.0	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.7	0.0	2.9	0.0	1.2	0.0	1.1	0.0
Measles	Cases	0	5	1	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	Rate	19.7	1.3	1.3	0.8	0.0	1.0	0.5	2.2	0.0	0.6	0.0	0.6	0.0	1.0	2.5	0.0	3.1	0.2	0.0	0.0	0.0
Meningococcal disease	Cases	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	3.8	2.0	1.3	2.4	1.9	2.9	3.3	2.2	0.9	4.5	1.6	3.0	5.6	1.4	0.0	0.7	3.1	1.2	0.0	1.1	4.4
Mumps	Cases	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	0.0	0.8	0.5	0.0	0.0	0.0	3.7	0.0	0.0	0.0	3.5	1.0	5.0	0.7	0.0	1.2	0.0	1.6	0.0
Paratyphoid fever	Cases	0	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	1.3	0.4	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	3.1	0.2	0.0	0.0	0.0
Pertussis	Cases	1	11	5	3	4	0	7	1	1	2	0	1	4	1	0	2	0	7	0	1	4
	Rate	3.8	11.5	18.7	13.9	22.8	3.9	20.0	17.2	30.2	16.1	7.9	20.9	22.3	29.2	12.4	18.8	42.8	31.7	16.1	7.4	29.2
Rheumatic fever	Cases	0	0	0	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	10.8	1.7	1.8	12.0	5.5	1.9	3.3	15.1	1.8	4.5	3.2	2.4	5.6	3.1	5.0	0.0	0.0	0.4	0.0	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	0
	Rate	0.0	0.6	0.2	0.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Salmonellosis	Cases	3	8	8	12	10	4	3	4	2	0	1	4	2	6	2	6	0	18	4	15	13
	Rate	22.2	20.5	22.2	15.9	23.9	22.4	24.8	28.0	25.6	25.1	15.8	17.9	20.2	17.8	27.3	38.4	27.5	32.5	66.2	78.3	54.8
Shigellosis	Cases	0	1	1	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	4.4	3.5	3.3	3.7	3.3	0.0	2.9	0.0	0.0	3.2	0.0	0.0	1.4	1.4	0.0	1.4	0.0	2.4	3.6	1.6	0.9
Tuberculosis disease	Cases	0	3	8	5	2	0	1	1	0	3	0	0	1	5	0	0	0	2	0	0	0
	Rate	3.8	5.4	14.7	12.4	6.6	1.9	2.9	8.6	0.9	9.0	3.2	4.8	9.0	11.0	2.5	4.3	3.1	5.1	0.0	3.2	2.7
Typhoid fever	Cases	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.6	1.8	0.8	0.5	0.0	1.9	0.0	0.0	0.6	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	1	1	2	2	8	2	0	0	2	1	0	0	0	0	1	0	0	0	1	0	1
	Rate	3.2	2.8	2.2	1.6	8.8	9.7	5.2	17.2	5.5	5.8	3.2	0.6	0.0	0.3	7.4	0.7	3.1	4.1	1.8	1.6	3.5
Yersiniosis	Cases	2	8	3	1	3	1	2	1	1	1	1	3	0	2	0	0	1	7	0	1	0
	Rate	4.4	9.9	8.7	4.9	9.9	8.8	9.0	12.9	18.3	9.7	6.3	7.8	14.6	18.9	7.4	5.8	9.2	8.7	16.1	2.1	5.3

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including January 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 January-2011 by District Health Board

Disease	Cases for the 12 months ending January 2011 ^{1 2} by District Health Board ³																					
	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	Otago	Southland
Campylobacteriosis	7054	189	799	622	506	657	173	299	36	259	295	87	238	313	550	72	236	63	919	121	392	228
Cryptosporidiosis	917	42	80	66	36	143	15	16	5	29	43	5	19	11	34	6	35	8	194	49	43	38
Dengue fever	54	2	6	12	3	9	1	3	1	1	0	1	0	0	6	0	0	0	4	1	2	2
Gastroenteritis	491	3	52	62	26	29	6	13	0	13	3	16	45	53	90	3	8	7	47	2	12	1
Giardiasis	2007	39	264	310	201	188	40	73	15	33	108	21	28	52	145	16	49	9	282	21	69	44
Haemophilus influenzae type b	5	0	1	0	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Hepatitis A	47	1	2	6	10	3	1	1	2	0	3	1	2	1	3	0	0	0	8	0	3	0
Hepatitis B	52	1	2	9	9	2	4	0	5	0	3	1	1	2	2	1	1	0	6	0	3	0
Hepatitis C	16	0	1	1	2	0	0	0	0	3	0	0	0	1	4	0	0	0	3	0	1	0
Invasive pneumococcal disease	537	17	58	47	105	49	17	33	1	9	25	10	17	21	21	5	5	1	44	4	31	17
Lead absorption	207	6	17	17	15	16	0	5	2	6	9	7	9	21	11	3	6	0	26	7	23	1
Legionellosis	191	13	24	18	16	5	1	6	0	3	4	0	3	5	3	0	1	2	67	2	10	8
Leptospirosis	76	2	1	0	1	13	0	3	3	0	15	8	11	0	0	2	3	6	3	0	1	4
Listeriosis	22	1	1	5	4	0	0	1	1	1	0	1	2	1	1	0	0	1	0	0	2	0
Malaria	41	0	4	13	7	0	0	2	0	1	0	0	0	0	2	0	4	0	6	0	2	0
Measles	59	31	7	6	4	0	1	1	1	0	1	0	1	0	3	1	0	1	1	0	0	0
Meningococcal disease ⁵	94	6	11	6	12	7	3	7	1	1	7	1	5	8	4	0	1	1	6	0	2	5
Mumps	38	2	6	0	4	2	0	0	0	4	0	0	0	5	3	2	1	0	6	0	3	0
Paratyphoid fever	18	0	0	6	2	1	1	0	0	0	0	0	0	0	6	0	0	1	1	0	0	0
Pertussis	834	6	62	84	68	83	4	42	8	33	25	5	35	32	85	5	26	14	161	9	14	33
Rheumatic fever	165	17	9	8	59	20	2	7	7	2	7	2	4	8	9	2	0	0	2	0	0	0
Rickettsial disease	13	0	3	1	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	6	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0
Salmonellosis	1172	35	110	100	78	87	23	52	13	28	39	10	30	29	52	11	53	9	165	37	149	62
Shigellosis	108	7	19	15	18	12	0	6	0	0	5	0	0	2	4	0	2	0	12	2	3	1
Tuberculosis disease	311	6	29	66	61	24	2	6	4	1	14	2	8	13	32	1	6	1	26	0	6	3
Typhoid fever	26	1	3	8	4	2	0	4	0	0	1	0	0	0	2	0	0	0	1	0	0	0
VTEC/STEC infection	152	5	15	10	8	32	10	11	8	6	9	2	1	0	1	3	1	1	21	1	3	4
Yersiniosis	398	7	53	39	24	36	9	19	6	20	15	4	13	21	55	3	8	3	44	9	4	6
Total	15111	440	1640	1538	1286	1428	313	610	119	453	632	185	472	600	1129	136	446	128	2056	265	778	457

¹ These data are provisional

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

³ These totals are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

Notifiable Disease Surveillance Data by District Health Board January 2011

		Cases ¹ and current rate ² for January 2011 by District Health Board ³																					
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Wanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland	
Campylobacteriosis	Cases	20	56	41	33	49	11	27	3	22	26	6	18	19	40	7	25	3	83	9	40	10	
	Rate	120.1	148.8	138.2	103.1	180.3	168.6	142.3	77.4	237.0	190.0	137.7	142.3	217.7	188.8	178.7	170.9	192.5	180.8	216.6	206.1	201.7	
Cryptosporidiosis	Cases	1	3	6	1	3	2	2	1	0	0	0	0	2	2	0	0	0	3	3	1	1	
	Rate	26.7	14.9	14.7	7.3	39.2	14.6	7.6	10.8	26.5	27.7	7.9	11.4	7.6	11.7	14.9	25.3	24.4	38.2	87.7	22.6	33.6	
Dengue fever	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
	Rate	1.3	1.1	2.7	0.6	2.5	1.0	1.4	2.2	0.9	0.0	1.6	0.0	0.0	2.1	0.0	0.0	0.0	0.8	1.8	1.1	1.8	
Gastroenteritis	Cases	0	3	7	4	2	2	3	0	0	0	1	5	3	3	0	0	0	4	2	2	0	
	Rate	1.9	9.7	13.8	5.3	8.0	5.8	6.2	0.0	11.9	1.9	25.3	26.9	36.9	30.9	7.4	5.8	21.4	9.2	3.6	6.3	0.9	
Giardiasis	Cases	2	27	26	18	15	3	7	0	2	8	0	1	4	13	1	4	1	24	2	10	4	
	Rate	24.8	49.2	68.9	41.0	51.6	39.0	34.7	32.3	30.2	69.6	33.2	16.7	36.2	49.8	39.7	35.5	27.5	55.5	37.6	36.3	38.9	
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hepatitis A	Cases	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	
	Rate	0.6	0.4	1.3	2.0	0.8	1.0	0.5	4.3	0.0	1.9	1.6	1.2	0.7	1.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	
Hepatitis B	Cases	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
	Rate	0.6	0.4	2.0	1.8	0.5	3.9	0.0	10.8	0.0	1.9	1.6	0.6	1.4	0.7	2.5	0.7	0.0	1.2	0.0	1.6	0.0	
Hepatitis C	Cases	0	0	0	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	2.7	0.0	0.0	0.0	0.7	1.4	0.0	0.0	0.0	0.6	0.0	0.5	0.0	
Invasive pneumococcal disease	Cases	0	2	2	5	4	0	1	0	1	2	2	0	1	0	0	1	0	3	1	3	1	
	Rate	10.8	10.8	10.4	21.4	13.4	16.6	15.7	2.2	8.2	16.1	15.8	10.2	14.6	7.2	12.4	3.6	3.1	8.7	7.2	16.3	15.0	
Lead absorption	Cases	0	0	0	3	0	0	0	0	2	1	0	1	0	2	0	2	0	2	0	0	0	
	Rate	3.8	3.2	3.8	3.1	4.4	0.0	2.4	4.3	5.5	5.8	11.1	5.4	14.6	3.8	7.4	4.3	0.0	5.1	12.5	12.1	0.9	
Legionellosis	Cases	1	3	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	9	0	3	1	
	Rate	8.3	4.5	4.0	3.3	1.4	1.0	2.9	0.0	2.7	2.6	0.0	1.8	3.5	1.0	0.0	0.7	6.1	13.2	3.6	5.3	7.1	
Leptospirosis	Cases	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	0	0	0	
	Rate	1.3	0.2	0.0	0.2	3.6	0.0	1.4	6.5	0.0	9.7	12.7	6.6	0.0	0.0	5.0	2.2	18.3	0.6	0.0	0.5	3.5	
Listeriosis	Cases	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.2	1.1	0.8	0.0	0.0	0.5	2.2	0.9	0.0	1.6	1.2	0.7	0.3	0.0	0.0	3.1	0.0	0.0	1.1	0.0	
Malaria	Cases	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	
	Rate	0.0	0.7	2.9	1.4	0.0	0.0	1.0	0.0	0.9	0.0	0.0	0.0	0.0	0.7	0.0	2.9	0.0	1.2	0.0	1.1	0.0	
Measles	Cases	0	5	1	3	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
	Rate	19.7	1.3	1.3	0.8	0.0	1.0	0.5	2.2	0.0	0.6	0.0	0.6	0.0	1.0	2.5	0.0	3.1	0.2	0.0	0.0	0.0	
Meningococcal disease	Cases	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Rate	3.8	2.0	1.3	2.4	1.9	2.9	3.3	2.2	0.9	4.5	1.6	3.0	5.6	1.4	0.0	0.7	3.1	1.2	0.0	1.1	4.4	
Mumps	Cases	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
	Rate	1.3	1.1	0.0	0.8	0.5	0.0	0.0	0.0	3.7	0.0	0.0	0.0	3.5	1.0	5.0	0.7	0.0	1.2	0.0	1.6	0.0	
Paratyphoid fever	Cases	0	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	1.3	0.4	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	3.1	0.2	0.0	0.0	0.0	
Pertussis	Cases	1	11	5	3	4	0	7	1	1	2	0	1	4	1	0	2	0	7	0	1	4	
	Rate	3.8	11.5	18.7	13.9	22.8	3.9	20.0	17.2	30.2	16.1	7.9	20.9	22.3	29.2	12.4	18.8	42.8	31.7	16.1	7.4	29.2	
Rheumatic fever	Cases	0	0	0	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Rate	10.8	1.7	1.8	12.0	5.5	1.9	3.3	15.1	1.8	4.5	3.2	2.4	5.6	3.1	5.0	0.0	0.0	0.4	0.0	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	0	
	Rate	0.0	0.6	0.2	0.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Rubella	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
	Rate	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Salmonellosis	Cases	3	8	8	12	10	4	3	4	2	0	1	4	2	6	2	6	0	18	4	15	13	
	Rate	22.2	20.5	22.2	15.9	23.9	22.4	24.8	28.0	25.6	25.1	15.8	17.9	20.2	17.8	27.3	38.4	27.5	32.5	66.2	78.3	54.8	
Shigellosis	Cases	0	1	1	4	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Rate	4.4	3.5	3.3	3.7	3.3	0.0	2.9	0.0	0.0	3.2	0.0	0.0	1.4	1.4	0.0	1.4	0.0	2.4	3.6	1.6	0.9	
Tuberculosis disease	Cases	0	3	8	5	2	0	1	1	0	3	0	0	1	5	0	0	0	2	0	0	0	
	Rate	3.8	5.4	14.7	12.4	6.6	1.9	2.9	8.6	0.9	9.0	3.2	4.8	9.0	11.0	2.5	4.3	3.1	5.1	0.0	3.2	2.7	
Typhoid fever	Cases	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.6	1.8	0.8	0.5	0.0	1.9	0.0	0.0	0.6	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
VTEC/STEC infection	Cases	1	1	2	2	8	2	0	0	2	1	0	0	0	0	1	0	0	0	1	0	1	
	Rate	3.2	2.8	2.2	1.6	8.8	9.7	5.2	17.2	5.5	5.8	3.2	0.6	0.0	0.3	7.4	0.7	3.1	4.1	1.8	1.6	3.5	
Yersiniosis	Cases	2	8	3	1	3	1	2	1	1	1	1	3	0	2	0	0	1	7	0	1	0	
	Rate	4.4	9.9	8.7	4.9	9.9	8.8	9.0	12.9	18.3	9.7	6.3	7.8	14.6	18.9	7.4	5.8	9.2	8.7	16.1	2.1	5.3	

¹ These data are provisional

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

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

National Notifiable Disease Surveillance Data January 2011

Disease	Current Year - 2011 ¹			Previous Year - 2010		
	January 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	January 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	548	548	161.5	840	840	167.4
Cryptosporidiosis	31	31	21.0	68	68	20.7
Dengue fever	3	3	1.2	0	0	2.5
Gastroenteritis ³	41	41	11.2	42	42	16.6
Giardiasis	172	172	45.9	150	150	38.6
Haemophilus influenzae type b	0	0	0.1	3	3	0.3
Hepatitis A	4	4	1.1	3	3	1.0
Hepatitis B ⁴	5	5	1.2	4	4	1.2
Hepatitis C ⁴	0	0	0.4	1	1	0.7
Invasive pneumococcal disease	29	29	12.3	27	27	15.7
Lead absorption	13	13	4.7	7	7	6.3
Legionellosis	21	21	4.4	12	12	1.7
Leptospirosis	4	4	1.7	10	10	1.7
Listeriosis	3	3	0.5	4	4	0.7
Malaria	7	7	0.9	10	10	1.3
Measles	11	11	1.4	0	0	5.7
Meningococcal disease	4	4	2.2	7	7	3.0
Mumps	3	3	0.9	6	6	1.6
Paratyphoid fever	0	0	0.4	1	1	0.6
Pertussis	55	55	19.1	94	94	32.7
Rheumatic fever	6	6	3.8	9	9	3.2
Rickettsial disease	0	0	0.3	1	1	0.1
Rubella	2	2	0.1	0	0	0.1
Salmonellosis	125	125	26.8	99	99	25.1
Shigellosis	8	8	2.5	5	5	2.7
Tuberculosis disease	31	31	7.1	30	30	7.0
Typhoid fever	3	3	0.6	8	8	0.8
VTEC/STEC infection	22	22	3.5	9	9	3.2
Yersiniosis	38	38	9.1	46	46	9.5

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including January 2011) or the previous year (12 months up to and including January 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 is currently notifiable

Other notifiable infectious disease reported in January 2011: Chemical poisoning from the environment (1), Enterobacter sakazakii (1), Hydatid disease (1), Taeniasis (2)