

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 May 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:*** 455 *Campylobacteriosis* cases were notified in April 2012 compared to 411 cases notified in the same month of the previous year. For the 12 month period ending 30 April 2012, the highest rates were in South Canterbury (280.2 per 100 000 population, 158 cases), Wairarapa (248.9 per 100 000 population, 101 cases), and Hawke's Bay (235.6 per 100 000 population, 367 cases) DHBs compared to a national rate of 169.7 per 100 000. Two *Campylobacter* outbreaks involving 12 cases were reported in April.
- Chemical poisoning from the environment:*** Two cases of chemical poisoning from the environment were notified in April 2012. One case was due to carbon monoxide poisoning. The case reported carrying out a lengthy waterblasting job where there was no external ventilation. The case is a male in the 40-49 years age group from Southern DHB. The remaining case has since been made 'not a case' after further investigation.
- Cryptosporidiosis:*** 46 cases of *cryptosporidiosis* were notified in April 2012 compared to 19 cases notified during the same month of the previous year. The cases ranged in age from 8 months to 76 years, with the highest number of cases in the 1-4 years (15 cases) and in the 30-39 years (8 cases) age groups. The highest numbers of cases were from Capital and Coast (16 cases), and Canterbury and Waikato (6 cases each) DHBs. Among the cases where risk factor information was recorded, 60.0% (9/15) had recreational water contact, 47.4% (9/19) had attended school, pre-school or childcare, 45.5% (5/11) had consumed food from a food premises, and 42.9% (6/14) had contact with faecal matter during the incubation period. Two *Cryptosporidium* outbreaks involving six cases were reported in April.
- Dengue fever:*** Seven cases of dengue fever were notified in April 2012. All of the cases had travelled overseas during the incubation period, and the countries visited were Fiji (4), Indonesia, Thailand, and Papua New Guinea (1 case each). Two of the cases were hospitalised. Of those with available information, one case had an onset date within the month of March while one case had an onset date in early April.
- Hepatitis C:*** Seven cases of hepatitis C were notified in April 2012 (4 confirmed, 3 under investigation), compared to two cases notified in the same month of the previous year. Ethnicity was reported as European (6 cases), and is unknown for the remaining case. The most commonly reported risk factors were a history of injecting drug use (5), body piercing or tattooing procedures in the last twelve months (2), and household contact with a confirmed case or carrier (2).

- *Legionellosis*: 19 cases of legionellosis were notified in April 2012 (12 confirmed and 7 under investigation), compared to eight cases notified in the same month of the previous year. The following section relates to the 12 confirmed cases only. The cases were from Waitemata and Canterbury (3 cases each), Auckland and Counties Manukau (2 cases each), and Nelson Marlborough and Southern (1 case each) DHBs. Cases were distributed by age group as follows: 60-69 years (5 cases), 50-59 years and 70 years and older (3 cases each), and 40-49 years (1 case). Ten cases were hospitalised. Among the cases where risk information was recorded, four reported exposure to environmental sources of infection (three cases reported exposure to compost/potting mix, and one to a possible contaminated hot water system and shower). The *Legionella* species was identified in 12 cases: *Legionella pneumophila* serogroup 1 (7 cases), *L. longbeachae* serogroup 1 or 2 (2 cases), and *L. pneumophila* serogroup 1 or 12, *L. longbeachae* serogroup 1 and *L. dumoffii* (1 case each).
- *Leptospirosis*: 18 cases of leptospirosis were notified in April 2012 (10 confirmed, 2 probable and 6 under investigation), compared to seven cases notified in the same month of the previous year. The following section relates to the 10 confirmed and 2 probable cases only. These cases were from Waikato (3 cases), Waitemata (2 cases), and Auckland, Taranaki, Hawke's Bay, Whanganui, MidCentral, Hutt Valley and West Coast (1 case each) DHBs. High risk occupations were recorded for six cases: farmers or farm workers (4) and meat workers (2). Of the remaining six cases, one reported animal exposure (pig hunting), and risk factor information was unknown for five cases. *Leptospira* species and serovars were recorded for five cases: *Leptospira interrogans* sv Pomona (3), *L. interrogans* sv Copenhageni (1), and *L. borgpetersenii* sv Tarassovi (1).
- *Pertussis*: 328 cases of pertussis were notified in April 2012, compared with 379 cases notified the previous month and 35 cases in the same month of the previous year. There were 48 (14.6%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 99 (30.2%) cases were laboratory-confirmed by PCR. Monthly cases continue to decrease after a peak in December last year (Figure 1). The highest number of cases were from Canterbury DHB (86), followed by Nelson Marlborough (55), and Capital and Coast (54) DHBs. Cases occurred in all age groups, with 27.7% (91/328 cases) under 5 years old, including 35 cases aged less than 1 year. The highest numbers occurred in the 1-4 years (56), 40-49 years (39), 5-9 years (38), and the less than one year (35) age groups. The vaccination status was recorded for 184 (56.1%) cases. Of these, 51 were reported as not vaccinated (including four cases aged less than 6 weeks and therefore not eligible for vaccination), three received one dose of vaccine, 11 received three or more doses, and 119 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 42.2% (89/211) attended school, pre-school or childcare, and 37.4% (43/115) had contact with a laboratory-confirmed pertussis case.
- *Shigellosis*: 12 cases of shigellosis were notified in April 2012 compared with 18 cases notified in the previous month and three cases in the same month of the previous year (Figure 2). Cases were from the following DHBs: Counties Manukau (6 cases), Auckland (3 cases), Waitemata (2 cases), and Waikato (1 case). The serotype involved was identified for all cases: *Shigella sonnei* biotype a (4), *S. flexneri* (3), *S. flexneri* 2a (2), *S. flexneri* 3a, *S. flexneri* 6 biotype Boyd 88, and *S. sonnei* biotype a (1 case each). Overseas travel during the incubation period was recorded for two cases. Both cases visited Samoa. The travel history of the remaining 10 cases is unknown.

2. Outbreaks

Finalised outbreak reports: 15 outbreak reports were created and finalised in EpiSurv during April 2012 (Table 1).

Table 1: Summary of finalised outbreaks created in EpiSurv during April 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	1	4
<i>Campylobacter</i>	Hawkes Bay, Capital and Coast	2	12
<i>Cryptosporidium</i>	Waikato	2	6
Gastroenteritis	Auckland	1	12
<i>Giardia</i>	Waitemata, Auckland, Waikato	4	10
Norovirus	Northland, Auckland, Capital and Coast	4	64
<i>Yersinia</i>	Waikato	1	3
Total		15	99

Interim outbreak reports: 26 interim outbreaks were created in EpiSurv during April 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 April 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Clostridium difficile</i> ¹	Southern	1	-
Gastroenteritis	Waitemata, Auckland, Waikato, Taranaki, Wairarapa, Capital and Coast, Southern	16	29
<i>Giardia</i>	Auckland, Waikato, Nelson Marlborough, Southern	5	25
Norovirus	Bay of Plenty, MidCentral, Nelson Marlborough	3	83
Rotavirus ¹	MidCentral	1	-
Total		26	137

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

3. Deaths from notifiable diseases

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

Table 3: Summary of deaths from notifiable diseases reported during April 2012

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Capital and Coast	70+
Legionellosis	Waitemata	70+

4. Trends in selected diseases to April 2012

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

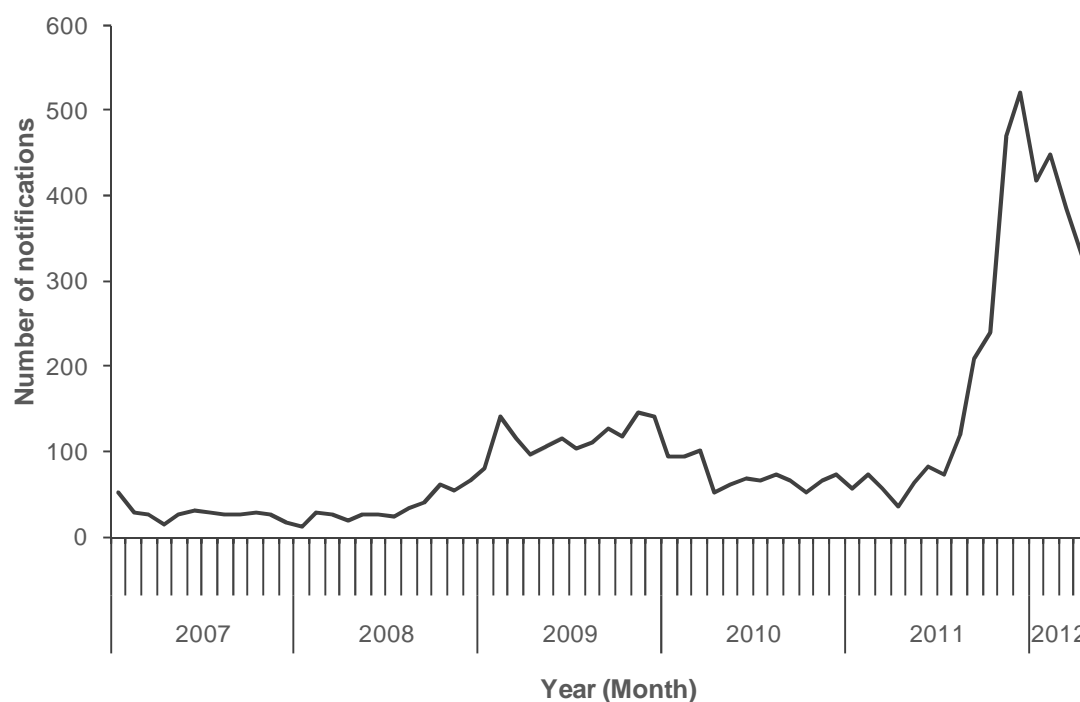
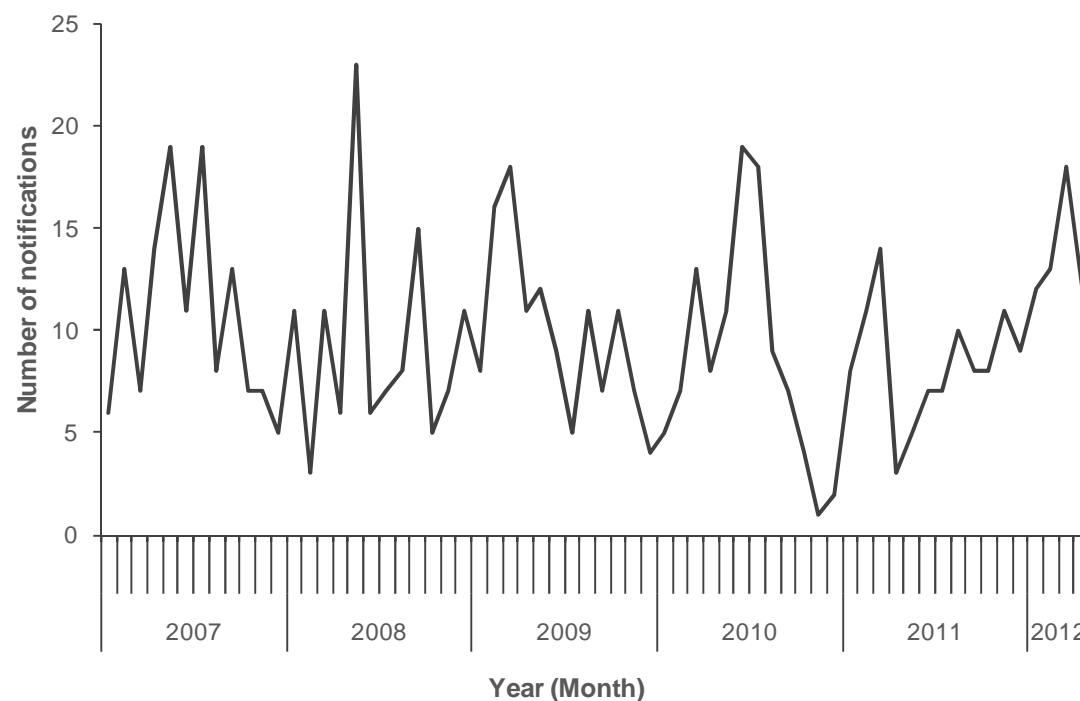


Figure 2: Shigellosis notifications by month, January 2007 – April 2012



5. Data tables

National Notifiable Disease Surveillance Data April 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	April 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	April 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	455	2675	169.7	411	1892	151.3
Cryptosporidiosis	46	156	15.0	19	104	16.7
Dengue fever	7	24	1.2	0	12	1.1
Gastroenteritis ³	56	211	14.1	38	222	12.8
Giardiasis	154	665	41.5	154	770	46.1
Haemophilus influenzae type b	1	3	0.2	0	1	0.1
Hepatitis A	4	58	1.7	2	10	0.8
Hepatitis B ⁴	7	19	1.1	9	21	1.3
Hepatitis C ⁴	7	16	0.8	2	7	0.5
Invasive pneumococcal disease	31	102	12.5	28	104	11.8
Lead absorption	20	98	5.1	27	104	6.1
Legionellosis	19	72	3.9	8	58	4.3
Leptospirosis	18	39	2.0	7	20	1.5
Listeriosis	0	6	0.5	1	10	0.5
Malaria	4	9	1.1	1	13	0.8
Measles	11	69	14.0	15	50	1.4
Meningococcal disease	8	23	2.7	6	22	2.0
Mumps	5	13	1.1	4	16	1.0
Paratyphoid fever	2	10	0.3	2	8	0.5
Pertussis	328	1577	76.2	35	220	17.1
Rheumatic fever	11	55	3.9	10	47	3.8
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	1	3	0.5	2	5	0.2
Salmonellosis	85	428	22.8	112	481	27.6
Shigellosis	12	55	2.7	3	36	2.4
Tuberculosis disease	30	99	6.7	23	114	7.3
Typhoid fever	4	14	0.9	3	20	0.8
VTEC/STEC infection	22	68	3.1	17	84	3.9
Yersiniosis	37	163	11.7	32	161	10.0

¹ These data are provisional

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

Other notifiable infectious disease reported in April: Chemical poisoning from the environment (2), Hepatitis NOS (1)

Notifiable Disease Surveillance Data by District Health Board April 2012

		Cases ¹ and current rate ² for April 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	14	54	42	25	42	8	14	2	7	31	3	12	14	43	7	16	2	63	12	44
	Rate	165.0	158.8	129.4	109.6	201.8	150.5	139.7	154.5	177.5	235.6	149.0	150.3	164.7	193.8	248.9	173.7	191.1	207.3	280.2	201.3
Cryptosporidiosis	Cases	3	2	1	1	6	0	0	0	0	1	0	1	2	16	1	0	1	6	3	2
	Rate	20.2	8.4	6.8	7.8	38.1	17.5	9.0	6.4	18.2	12.2	9.5	16.6	16.6	18.3	34.5	10.0	15.2	10.7	55.0	21.2
Dengue fever	Cases	0	1	2	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	1.5	3.1	1.8	0.5	1.0	1.4	2.1	0.0	0.0	0.0	3.0	0.7	1.7	0.0	0.0	3.0	0.2	0.0	1.0
Gastroenteritis	Cases	0	13	9	2	2	0	12	0	0	0	0	11	0	2	0	0	0	4	0	1
	Rate	0.0	13.2	14.7	8.6	7.9	14.6	19.8	6.4	9.1	1.3	17.4	69.5	29.1	30.5	4.9	7.9	0.0	9.9	1.8	3.9
Giardiasis	Cases	2	26	21	8	13	3	11	1	12	3	0	2	6	4	3	11	1	11	1	15
	Rate	38.6	39.8	56.1	30.4	44.3	47.6	51.0	23.6	28.2	42.4	14.3	23.8	33.2	58.7	46.8	64.3	57.6	36.2	53.2	34.3
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.2	0.0	1.0	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.0
Hepatitis A	Cases	0	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	5.7	3.9	3.0	0.3	0.0	0.5	0.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.7	1.3	1.0	1.1	6.8	1.9	10.7	0.9	1.3	0.0	1.2	2.1	0.0	0.0	0.7	0.0	0.6	0.0	0.0
Hepatitis C	Cases	0	0	1	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	2
	Rate	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.7	0.0	2.1	0.0	1.4	3.5	4.6
Invasive pneumococcal	Cases	2	3	6	5	4	0	1	0	0	2	0	0	2	2	0	2	0	2	0	0
	Rate	17.1	10.4	13.4	15.8	12.2	27.2	14.6	10.7	8.2	14.1	7.9	11.9	11.8	7.5	22.2	12.2	0.0	11.7	16.0	9.1
Lead absorption	Cases	0	4	1	4	1	0	0	0	0	1	0	0	0	1	0	0	1	4	0	3
	Rate	0.6	3.3	10.3	6.2	3.0	3.9	1.4	12.9	3.6	5.1	17.4	4.8	12.5	5.1	4.9	3.6	6.1	2.4	8.9	4.2
Legionellosis	Cases	1	4	2	2	0	0	0	0	0	0	0	5	0	0	0	1	0	3	0	1
	Rate	6.3	4.6	4.4	2.2	1.6	0.0	1.4	0.0	1.8	1.3	0.0	3.6	0.7	1.7	0.0	6.4	3.0	11.7	1.8	3.3
Leptospirosis	Cases	0	2	1	0	7	0	0	0	1	2	1	1	1	0	0	1	1	0	0	0
	Rate	1.9	0.7	0.4	0.6	4.4	0.0	0.9	6.4	2.7	8.3	11.1	3.6	0.7	0.3	2.5	3.6	9.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	1.4	0.5	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.8	1.8	0.8	0.0	1.4	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	5	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	7.0	32.6	46.4	19.8	8.4	4.9	3.3	6.4	1.8	8.3	0.0	0.6	0.7	4.8	2.5	0.7	3.0	3.2	1.8	6.2
Meningococcal disease	Cases	0	1	0	0	1	0	3	0	0	0	0	0	0	2	0	0	0	0	0	1
	Rate	9.5	2.0	1.5	3.6	3.8	2.9	2.8	2.1	5.5	1.9	1.6	1.8	3.5	2.4	2.5	1.4	3.0	1.6	0.0	2.6
Mumps	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Rate	0.6	0.4	1.3	0.8	0.3	0.0	0.9	0.0	1.8	0.6	1.6	0.6	0.7	1.0	0.0	7.9	0.0	2.0	0.0	0.7
Paratyphoid fever	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0.4	0.0	0.3
Pertussis	Cases	5	11	12	9	9	13	11	5	0	7	0	15	10	54	5	55	4	86	1	16
	Rate	24.0	19.6	21.9	24.0	31.8	37.9	26.4	212.4	28.2	101.4	22.2	29.1	168.2	135.4	66.5	531.8	864.7	120.8	62.1	28.4
Rheumatic fever	Cases	0	0	0	4	2	0	0	2	0	0	0	2	1	0	0	0	0	0	0	0
	Rate	12.6	1.5	3.7	9.4	4.1	7.8	4.2	19.3	0.9	3.2	3.2	6.5	4.8	3.1	0.0	2.1	3.0	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
	Rate	0.0	0.4	0.2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.5	1.3	0.2	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	1.0	1.8	0.3
Salmonellosis	Cases	3	12	7	8	8	3	0	0	0	6	0	3	1	3	1	2	1	14	0	13
	Rate	17.7	20.9	21.7	11.4	28.6	28.2	14.2	23.6	17.3	15.4	11.1	18.4	20.8	19.3	22.2	30.7	9.1	28.2	56.8	43.4
Shigellosis	Cases	0	2	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	4.6	5.5	5.2	1.6	1.9	3.3	2.1	1.8	0.6	1.6	0.0	0.0	2.4	0.0	0.0	0.0	1.8	1.8	2.0
Tuberculosis disease	Cases	0	3	4	3	1	1	4	0	0	1	0	3	1	2	0	4	0	2	0	1
	Rate	1.3	6.4	16.0	9.6	4.1	2.9	6.6	4.3	0.9	8.3	3.2	8.9	3.5	10.5	0.0	5.0	3.0	3.8	1.8	2.3
Typhoid fever	Cases	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	Rate	0.0	2.2	2.8	1.2	0.0	0.0	0.9	2.1	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
VTEC/STEC infection	Cases	3	5	1	0	3	0	2	0	0	2	0	0	1	0	0	0	0	1	2	2
	Rate	7.0	2.9	2.0	1.2	5.4	2.9	7.1	6.4	5.5	1.9	0.0	0.6	0.7	0.3	0.0	3.6	6.1	4.2	10.6	2.9
Yersiniosis	Cases	1	11	4	4	3	2	1	1	1	1	0	1	1	4	0	0	0	1	1	0
	Rate	5.1	13.2	14.5	11.4	23.7	17.5	9.0	8.6	10.9	7.7	7.9	1.8	16.6	14.9	4.9	3.6	18.2	10.9	12.4	3.3

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including April 2012 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 April 2012

		Cases ¹ and current rate ² for April 2012 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	Waikarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	14	54	42	25	42	8	14	2	7	31	3	12	14	43	7	16	2	63	12	44
	Rate	165.0	158.8	129.4	109.6	201.8	150.5	139.7	154.5	177.5	235.6	149.0	150.3	164.7	193.8	248.9	173.7	191.1	207.3	280.2	201.3
Cryptosporidiosis	Cases	3	2	1	1	6	0	0	0	0	1	0	1	2	16	1	0	1	6	3	2
	Rate	20.2	8.4	6.8	7.8	38.1	17.5	9.0	6.4	18.2	12.2	9.5	16.6	16.6	18.3	34.5	10.0	15.2	10.7	55.0	21.2
Dengue fever	Cases	0	1	2	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	1.5	3.1	1.8	0.5	1.0	1.4	2.1	0.0	0.0	0.0	3.0	0.7	1.7	0.0	0.0	3.0	0.2	0.0	1.0
Gastroenteritis	Cases	0	13	9	2	2	0	12	0	0	0	0	11	0	2	0	0	0	4	0	1
	Rate	0.0	13.2	14.7	8.6	7.9	14.6	19.8	6.4	9.1	1.3	17.4	69.5	29.1	30.5	4.9	7.9	0.0	9.9	1.8	3.9
Giardiasis	Cases	2	26	21	8	13	3	11	1	12	3	0	2	6	4	3	11	1	11	1	15
	Rate	38.6	39.8	56.1	30.4	44.3	47.6	51.0	23.6	28.2	42.4	14.3	23.8	33.2	58.7	46.8	64.3	57.6	36.2	53.2	34.3
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.2	0.0	1.0	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	1.8	0.0
Hepatitis A	Cases	0	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	5.7	3.9	3.0	0.3	0.0	0.5	0.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.7	1.3	1.0	1.1	6.8	1.9	10.7	0.9	1.3	0.0	1.2	2.1	0.0	0.0	0.7	0.0	0.6	0.0	0.0
Hepatitis C	Cases	0	0	1	0	0	0	0	0	1	1	0	0	0	2	0	0	0	0	0	2
	Rate	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.7	0.0	2.1	0.0	1.4	3.5	4.6
Invasive pneumococcal disease	Cases	2	3	6	5	4	0	1	0	0	2	0	0	2	2	0	2	0	2	0	0
	Rate	17.1	10.4	13.4	15.8	12.2	27.2	14.6	10.7	8.2	14.1	7.9	11.9	11.8	7.5	22.2	12.2	0.0	11.7	16.0	9.1
Lead absorption	Cases	0	4	1	4	1	0	0	0	0	1	0	0	0	1	0	0	1	4	0	3
	Rate	0.6	3.3	10.3	6.2	3.0	3.9	1.4	12.9	3.6	5.1	17.4	4.8	12.5	5.1	4.9	3.6	6.1	2.4	8.9	4.2
Legionellosis	Cases	1	4	2	2	0	0	0	0	0	0	0	5	0	0	0	1	0	3	0	1
	Rate	6.3	4.6	4.4	2.2	1.6	0.0	1.4	0.0	1.8	1.3	0.0	3.6	0.7	1.7	0.0	6.4	3.0	11.7	1.8	3.3
Leptospirosis	Cases	0	2	1	0	7	0	0	0	1	2	1	1	1	0	0	1	1	0	0	0
	Rate	1.9	0.7	0.4	0.6	4.4	0.0	0.9	6.4	2.7	8.3	11.1	3.6	0.7	0.3	2.5	3.6	9.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	1.4	0.5	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.8	1.8	0.8	0.0	1.4	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	5	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	7.0	32.6	46.4	19.8	8.4	4.9	3.3	6.4	1.8	8.3	0.0	0.6	0.7	4.8	2.5	0.7	3.0	3.2	1.8	6.2
Meningococcal disease	Cases	0	1	0	0	1	0	3	0	0	0	0	0	0	2	0	0	0	0	0	1
	Rate	9.5	2.0	1.5	3.6	3.8	2.9	2.8	2.1	5.5	1.9	1.6	1.8	3.5	2.4	2.5	1.4	3.0	1.6	0.0	2.6
Mumps	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Rate	0.6	0.4	1.3	0.8	0.3	0.0	0.9	0.0	1.8	0.6	1.6	0.6	0.7	1.0	0.0	7.9	0.0	2.0	0.0	0.7
Paratyphoid fever	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0.4	0.0	0.3
Pertussis	Cases	5	11	12	9	9	13	11	5	0	7	0	15	10	54	5	55	4	86	1	16
	Rate	24.0	19.6	21.9	24.0	31.8	37.9	26.4	212.4	28.2	101.4	22.2	29.1	168.2	135.4	66.5	531.8	864.7	120.8	62.1	28.4
Rheumatic fever	Cases	0	0	0	4	2	0	0	2	0	0	0	2	1	0	0	0	0	0	0	0
	Rate	12.6	1.5	3.7	9.4	4.1	7.8	4.2	19.3	0.9	3.2	3.2	6.5	4.8	3.1	0.0	2.1	3.0	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
	Rate	0.0	0.4	0.2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.5	1.3	0.2	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	1.0	1.8	0.3
Salmonellosis	Cases	3	12	7	8	8	3	0	0	0	6	0	3	1	3	1	2	1	14	0	13
	Rate	17.7	20.9	21.7	11.4	28.6	28.2	14.2	23.6	17.3	15.4	11.1	18.4	20.8	19.3	22.2	30.7	9.1	28.2	56.8	43.4
Shigellosis	Cases	0	2	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	4.6	5.5	5.2	1.6	1.9	3.3	2.1	1.8	0.6	1.6	0.0	0.0	2.4	0.0	0.0	0.0	1.8	1.8	2.0
Tuberculosis disease	Cases	0	3	4	3	1	1	4	0	0	1	0	3	1	2	0	4	0	2	0	1
	Rate	1.3	6.4	16.0	9.6	4.1	2.9	6.6	4.3	0.9	8.3	3.2	8.9	3.5	10.5	0.0	5.0	3.0	3.8	1.8	2.3
Typhoid fever	Cases	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	Rate	0.0	2.2	2.8	1.2	0.0	0.0	0.9	2.1	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0
VTEC/STEC infection	Cases	3	5	1	0	3	0	2	0	0	2	0	0	1	0	0	0	0	1	2	2
	Rate	7.0	2.9	2.0	1.2	5.4	2.9	7.1	6.4	5.5	1.9	0.0	0.6	0.7	0.3	0.0	3.6	6.1	4.2	10.6	2.9
Yersiniosis	Cases	1	11	4	4	3	2	1	1	1	1	0	1	1	4	0	0	0	1	1	0
	Rate	5.1	13.2	14.5	11.4	23.7	17.5	9.0	8.6	10.9	7.7	7.9	1.8	16.6	14.9	4.9	3.6	18.2	10.9	12.4	3.3

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including April 2012 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 April-2012 by District Health Board

Disease	Cases for the 12 months ending April 2012 ^{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	7474	261	867	591	548	742	155	296	72	195	367	94	253	238	571	101	243	63	1042	158
Cryptosporidiosis	662	32	46	31	39	140	18	19	3	20	19	6	28	24	54	14	14	5	54	31
Dengue fever	54	0	8	14	9	2	1	3	1	0	0	0	5	1	5	0	0	1	1	0
Gastroenteritis	619	0	72	67	43	29	15	42	3	10	2	11	117	42	90	2	11	0	50	1
Giardiasis	1829	61	217	256	152	163	49	108	11	31	66	9	40	48	173	19	90	19	182	30
Haemophilus influenzae type b	10	1	0	0	1	0	1	2	0	1	1	0	0	0	1	0	0	0	1	1
Hepatitis A	74	1	31	18	15	1	0	1	0	0	2	0	0	0	2	0	2	0	1	0
Hepatitis B	49	2	4	6	5	4	7	4	5	1	2	0	2	3	0	0	1	0	3	0
Hepatitis C	36	0	0	3	2	0	0	0	0	1	2	0	0	0	2	0	3	0	7	2
Invasive pneumococcal disease	550	27	57	61	79	45	28	31	5	9	22	5	20	17	22	9	17	0	59	9
Lead absorption	224	1	18	47	31	11	4	3	6	4	8	11	8	18	15	2	5	2	12	5
Legionellosis	171	10	25	20	11	6	0	3	0	2	2	0	6	1	5	0	9	1	59	1
Leptospirosis	88	3	4	2	3	16	0	2	3	3	13	7	6	1	1	1	5	3	10	2
Listeriosis	22	1	3	1	7	2	0	0	0	1	0	0	0	0	1	0	0	1	3	0
Malaria	48	2	6	13	9	3	0	3	0	2	2	0	0	0	1	0	2	0	3	1
Measles	616	11	178	212	99	31	5	7	3	2	13	0	1	1	14	1	1	1	16	1
Meningococcal disease	120	15	11	7	18	14	3	6	1	6	3	1	3	5	7	1	2	1	8	0
Mumps	48	1	2	6	4	1	0	2	0	2	1	1	1	1	3	0	11	0	10	0
Paratyphoid fever	14	0	2	5	2	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0
Pertussis	3355	38	107	100	120	117	39	56	99	31	158	14	49	243	399	27	744	285	607	35
Rheumatic fever	172	20	8	17	47	15	8	9	9	1	5	2	11	7	9	0	3	1	0	0
Rickettsial disease	5	0	2	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	21	2	3	6	1	0	0	0	0	0	0	0	0	1	1	0	0	0	5	1
Salmonellosis	1003	28	114	99	57	105	29	30	11	19	24	7	31	30	57	9	43	3	142	32
Shigellosis	120	1	25	25	26	6	2	7	1	2	1	1	0	0	7	0	0	0	9	1
Tuberculosis disease	294	2	35	73	48	15	3	14	2	1	13	2	15	5	31	0	7	1	19	1
Typhoid fever	39	0	12	13	6	0	0	2	1	0	1	0	1	1	0	0	0	0	2	0
VTEC/STEC infection	138	11	16	9	6	20	3	15	3	6	3	0	1	1	1	0	5	2	21	6
Yersiniosis	516	8	72	66	57	87	18	19	4	12	12	5	3	24	44	2	5	6	55	7
Total	18385	539	1946	1775	1446	1578	388	686	243	365	743	176	601	712	1517	188	1223	395	2383	325

¹ These data are provisional

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

National Notifiable Disease Surveillance Data April 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	April 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	April 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	455	2675	169.7	411	1892	151.3
Cryptosporidiosis	46	156	15.0	19	104	16.7
Dengue fever	7	24	1.2	0	12	1.1
Gastroenteritis ³	56	211	14.1	38	222	12.8
Giardiasis	154	665	41.5	154	770	46.1
Haemophilus influenzae type b	1	3	0.2	0	1	0.1
Hepatitis A	4	58	1.7	2	10	0.8
Hepatitis B ⁴	7	19	1.1	9	21	1.3
Hepatitis C ⁴	7	16	0.8	2	7	0.5
Invasive pneumococcal disease	31	102	12.5	28	104	11.8
Lead absorption	20	98	5.1	27	104	6.1
Legionellosis	19	72	3.9	8	58	4.3
Leptospirosis	18	39	2.0	7	20	1.5
Listeriosis	0	6	0.5	1	10	0.5
Malaria	4	9	1.1	1	13	0.8
Measles	11	69	14.0	15	50	1.4
Meningococcal disease	8	23	2.7	6	22	2.0
Mumps	5	13	1.1	4	16	1.0
Paratyphoid fever	2	10	0.3	2	8	0.5
Pertussis	328	1577	76.2	35	220	17.1
Rheumatic fever	11	55	3.9	10	47	3.8
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	1	3	0.5	2	5	0.2
Salmonellosis	85	428	22.8	112	481	27.6
Shigellosis	12	55	2.7	3	36	2.4
Tuberculosis disease	30	99	6.7	23	114	7.3
Typhoid fever	4	14	0.9	3	20	0.8
VTEC/STEC infection	22	68	3.1	17	84	3.9
Yersiniosis	37	163	11.7	32	161	10.0

¹ These data are provisional

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

Other notifiable infectious disease reported in April: Chemical poisoning from the environment (2) , Hepatitis NOS (1)