

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 August 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

- Cryptosporidiosis:** 49 cases of cryptosporidiosis were notified in July 2012 compared to 19 cases notified during the same month of the previous year (Figure 1). The cases ranged in age from eight months to 75 years, with the highest numbers of cases in the 1-4 years (19 cases) and in the 30-39 years (10 cases) age groups. The highest numbers of cases were reported in Capital and Coast (20 cases) and Hutt Valley (6 cases) DHBs. Among the cases where risk factor information was recorded, 76.2% (16/21) had consumed food from a food premises, 58.6% (17/29) had contact with faecal matter, 48.4% (15/31) had contact with farm animals, 46.2% (12/26) had contact with other symptomatic people, and 45.2% (14/31) had recreational water contact during the incubation period.
- Dengue fever:** 16 cases of dengue fever were notified in July 2012, compared to five cases during the same month of last year. All of the cases had travelled overseas during the incubation period, and the countries visited were Indonesia (6), Thailand (3), Niue (2), and Cambodia, Fiji, India, Rarotonga and South America (1 case each). Six of the cases were hospitalised.
- Hydatid disease:** One case of hydatid disease was notified in July 2012. The case is a female in the 50-59 years age group and was reported from South Canterbury DHB. The case is not considered to have had a recent exposure to the disease.
- Lead absorption:** 28 cases of lead absorption were notified in July 2012 (27 confirmed and 1 under investigation), compared with 25 cases notified the previous month and 13 cases in the same month of the previous year. All of the cases were male. The highest number of cases was reported in the Auckland region (21 cases). The cases ranged in age from 19 to 70 years, with the highest numbers of cases in the 50-59 years (10 cases), 40-49 years (9 cases), and 30-39 years (4 cases) age groups. Where information was recorded, 86.4% (19/22) had exposure to lead materials at their place of work and 75.0% (3/4) had exposure to lead through a hobby. Two lead absorption outbreaks involving two cases each were reported in July.
- Leptospirosis:** 16 cases of leptospirosis were notified in July 2012 (7 confirmed, 2 probable and 7 under investigation cases), compared to seven cases notified in the same month of the previous year. The following section relates to the seven confirmed cases only. These cases were from Hawke's Bay and Waikato (2 cases each), and South Canterbury, Wairarapa and West Coast (1 case each) DHBs. High risk occupations were recorded for seven cases: farmers or farm workers (4) and meat workers (3). *Leptospira* species and serovars were recorded for two cases: *L. interrogans* sv Copenhageni and *L. borgpetersenii* sv Hardjo (1 each).

- Pertussis*: 476 cases of pertussis were notified in July 2012, compared with 509 cases notified the previous month and 74 cases in the same month of the previous year. Twenty-one cases were hospitalised and no deaths were reported. There were 74 (15.5%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 95 (20.0%) cases were laboratory-confirmed by PCR. The highest number of cases was from Canterbury DHB (101), followed by Nelson Marlborough (52), and Capital and Coast (48) DHBs. The cases ranged in age from one month to 91 years, with 23.7% (113/476 cases) under 5 years old (including 32 cases aged less than 1 year). The highest numbers of cases occurred in the 1-4 years (81), 30-39 years (77), 5-9 years (59), and 40-49 years (50) age groups. The vaccination status was recorded for 258 (54.2%) cases. Of these, 76 were reported as not vaccinated, 11 received one dose of vaccine, five received two doses of vaccine, 116 received three or more doses (including 25 who had received all five doses), and 50 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 45.3% (145/320) attended school, pre-school or childcare, and 34.4% (67/195) had contact with a laboratory-confirmed pertussis case. Two *Bordetella pertussis* outbreaks involving four cases were reported in July.
- Rheumatic fever*: Based on the earliest date available¹, 22 cases of rheumatic fever (21 initial and 1 recurrent attacks) were notified in July 2012, compared to eight cases during the same month of last year. Of the 21 cases with hospitalisation status recorded, all were hospitalised. All of the cases were notified from the North Island with the highest number of cases notified from Counties Manukau (12) DHB. Cases were reported among Māori (10 cases), Pacific Peoples (9 cases), and European (2 cases) ethnic groups. Ethnicity was not reported for the remaining case. The majority of cases (17 cases) were aged between 5 and 19 years.
- Salmonellosis*: 71 cases of salmonellosis were notified in July 2012, compared with 52 cases notified in the previous month and 57 cases in the same month of the previous year. The highest number of cases was reported in the Auckland region (31 cases). The cases ranged in age from nine months to 80 years, with the highest number of cases in the 20-29 years (14 cases) and in the 40-49 years (10 cases) age groups. Five cases were hospitalised. The serotype involved was recorded for 62 (87.3%) cases. The most common serotypes were: *Salmonella* Typhimurium phage type RDNC-May06 (5 cases), *S. Enteritidis* phage type 11, *S. Weltevreden* (4 cases each), and *S. Enteritidis* phage type 21 and *S. Stanley* (3 cases each). Two *Salmonella* outbreaks involving six cases were reported in July.
- Shigellosis*: 15 cases of shigellosis were notified in July 2012 compared with 10 cases notified in the previous month and seven cases in the same month of the previous year. Cases were from the following DHBs: Waitemata and Auckland (4 cases each), Counties Manukau and Taranaki (2 cases each), and Waikato, MidCentral and Capital and Coast (1 case each). The serotype involved was recorded for 11 cases: *Shigella sonnei* biotype g (5), *S. sonnei* biotype a (4), *S. flexneri* and *S. flexneri* 2b (1 case each). Overseas travel during the incubation period was recorded for six cases. Countries visited included Vanuatu (3 cases), Mexico, Samoa and Thailand (1 case each). One *Shigella* outbreak involving two cases was reported in July.
- VTEC/STEC infection*: Nine cases of VTEC/STEC infection were notified in July 2012, compared to three cases notified in the same month of the previous year (Figure 2). Cases were from the following DHBs: Waikato, Taranaki and Canterbury (2 cases each), and Northland, Waitemata and Counties Manukau (1 case each). The highest number of cases occurred in the 1-4 years age group (5 cases). Four cases were hospitalised. The serotype was recorded for six cases: *Escherichia coli* O157:H7 (5 cases) and *E. coli* O26:H11 (1 case). Among the cases for which risk factor information was recorded, 100.0% (6/6) cases had contact with animals, and 66.7% (4/6) had recreational contact with water.

¹ The 'earliest' date refers to the earliest recorded date for the case (onset or hospitalisation date rather than report date, if available). 'Earliest' date, as opposed to 'report date' alone, is used throughout the analysis of rheumatic fever notification data.

2. Outbreaks

Finalised outbreak reports: 23 outbreak reports were created and finalised in EpiSurv during July 2012 (Table 1).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	1	4
<i>Cryptosporidium</i>	Waikato	1	2
Gastroenteritis	Waikato, Bay of Plenty, Capital and Coast, Nelson Marlborough, West Coast	5	33
<i>Giardia</i> ^{1,2}	Auckland, Counties Manukau, Southern	5	15
Influenza virus ¹	Capital and Coast	3	62
Lead absorption	Waitemata, Auckland	2	4
Norovirus ¹	Taranaki, Nelson Marlborough, Canterbury	3	46
Rotavirus ¹	Canterbury	1	58
<i>Salmonella</i>	South Canterbury	1	6
<i>Yersinia</i>	Waikato	1	2
Total		23	232

¹Includes outbreaks reported to PHSs prior to July 2012: norovirus (2), gastroenteritis (1), *Giardia* (1), influenza virus (1), and rotavirus (1) all reported in June.

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

Interim outbreak reports: 37 interim outbreaks were created in EpiSurv during July 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 July 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i> ¹	Waikato	1	-
<i>Cryptosporidium</i> ¹	Waikato	1	-
Gastroenteritis	Waitemata, Auckland, Counties Manukau, Waikato, Taranaki, Wairarapa, Hutt Valley, Capital and Coast, Canterbury, Southern	19	48
<i>Giardia</i> ^{1,3}	Waitemata, Waikato	3	3
<i>Listeria monocytogenes</i>	Hawke's Bay	1	4
<i>Mycobacterium tuberculosis</i> ^{1,2}	Hawke's Bay	1	-
Norovirus	Auckland, Bay of Plenty, Hutt Valley, Nelson Marlborough, West Coast, Canterbury, Southern	8	175
Rotavirus	Auckland	1	23
<i>Salmonella</i> ^{1,3}	Waikato	1	-
<i>Shigella</i>	Auckland	1	2
Total		37	255

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

²*M. tuberculosis* outbreak reported to PHSs prior to July 2012, reported in June 2012.

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

3. Deaths from notifiable diseases

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

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

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Counties Manukau	1-4
Invasive pneumococcal disease	Auckland	1-4
Invasive pneumococcal disease	Auckland	50-59
Legionellosis	Canterbury	60-69
Listeriosis	Bay of Plenty	70+
Meningococcal disease	MidCentral	15-19

4. Trends in selected diseases to July 2012

Figure 1: Cryptosporidiosis notifications by month, January 2007 – July 2012

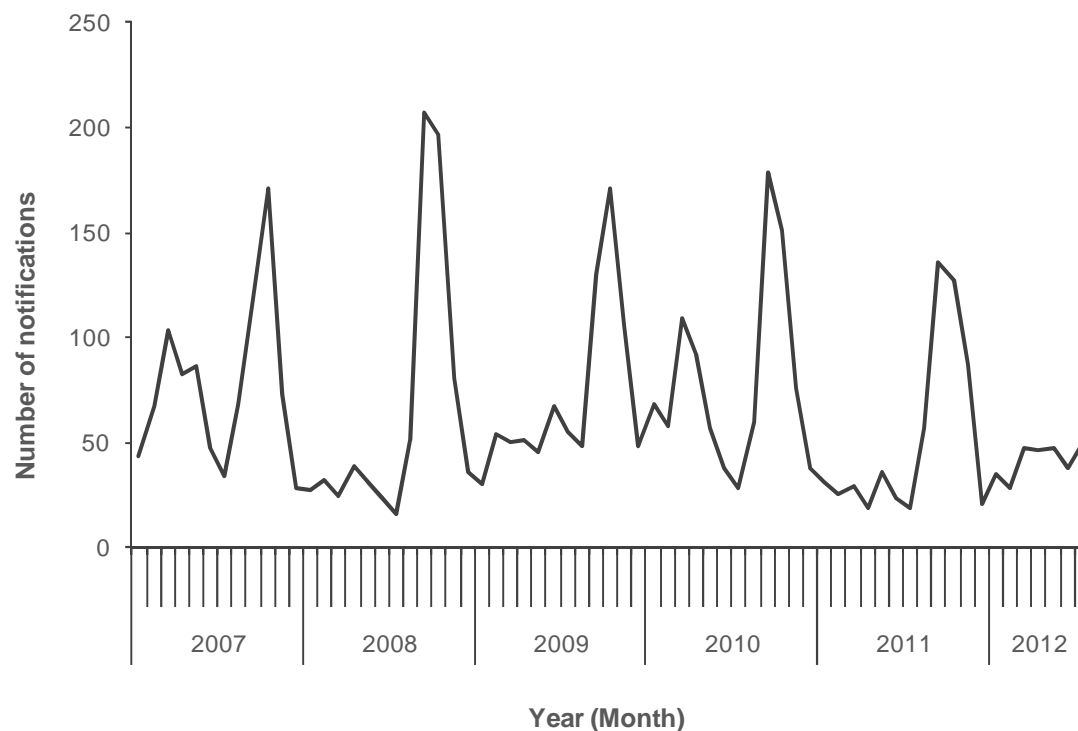
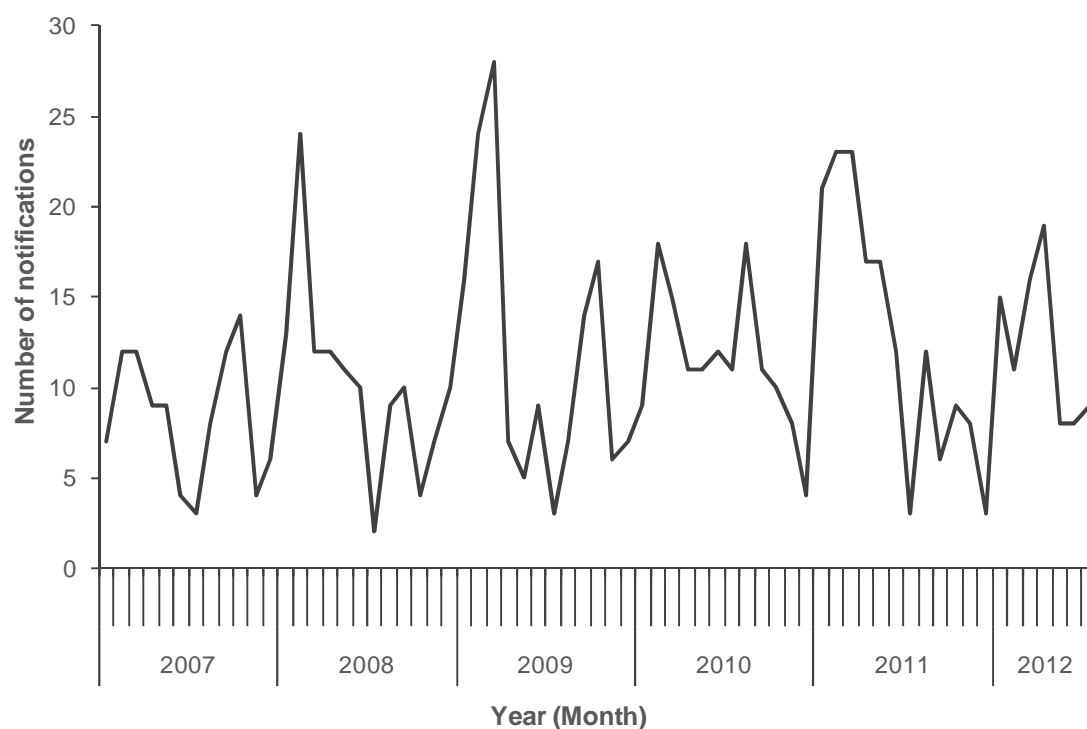


Figure 2: VTEC/STEC infection notifications by month, January 2007 – July 2012



5. Data tables

National Notifiable Disease Surveillance Data July 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	July 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	July 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	324	3861	164.9	491	3287	151.2
Cryptosporidiosis	49	290	16.3	19	182	15.6
Dengue fever	16	50	1.5	5	24	1.1
Gastroenteritis ³	54	368	14.6	25	355	13.3
Giardiasis	140	1094	40.9	144	1225	44.5
Haemophilus influenzae type b	3	6	0.2	1	6	0.2
Hazardous substances injury	0	6	0.2	3	6	0.1
Hepatitis A	3	67	1.8	3	14	0.6
Hepatitis B ⁴	8	25	0.9	5	38	1.3
Hepatitis C ⁴	4	23	0.8	1	14	0.6
Invasive pneumococcal disease	66	250	11.9	70	278	11.6
Lead absorption	28	197	6.4	13	147	5.5
Legionellosis	7	92	3.7	13	84	4.1
Leptospirosis	16	80	2.5	7	40	1.6
Listeriosis	2	12	0.5	4	18	0.5
Malaria	4	20	0.9	2	31	1.0
Measles	1	70	11.3	62	168	4.1
Meningococcal disease	7	38	2.3	14	55	2.1
Mumps	3	16	0.7	7	37	1.1
Paratyphoid fever	1	12	0.3	0	9	0.3
Pertussis	476	3096	105.7	74	438	17.5
Rheumatic fever ⁵	22	141	5.0	8	84	3.4
Rickettsial disease	0	2	0.1	3	4	0.2
Rubella	0	3	0.4	0	9	0.3
Salmonellosis	71	640	22.8	57	692	27.3
Shigellosis	15	95	3.2	7	55	1.8
Tuberculosis disease	32	175	6.7	25	190	7.0
Typhoid fever	5	25	1.0	3	28	0.8
VTEC/STEC infection	9	86	2.8	3	116	3.8
Yersiniosis	53	301	12.6	47	261	10.2

¹ These data are provisional

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

⁵ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the Rheumatic fever section of this report

Notifiable Disease Surveillance Data by District Health Board July 2012

		Cases ¹ and current rate ² for July 2012 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	Southern
Campylobacteriosis	Cases	16	43	32	30	37	3	12	0	15	12	1	8	8	26	2	15	2	34	4	24
	Rate	157.4	157.9	123.3	104.2	196.9	150.5	133.6	118.0	187.5	211.2	137.9	124.1	141.2	175.1	226.7	189.4	203.3	213.7	269.6	212.4
Cryptosporidiosis	Cases	1	2	2	4	3	0	0	0	0	2	0	0	6	20	0	1	1	5	0	2
	Rate	19.0	8.2	6.6	8.8	34.8	19.4	9.4	4.3	16.4	14.8	9.5	15.4	26.3	31.6	34.5	11.4	18.2	12.3	53.2	21.9
Dengue fever	Cases	2	3	4	2	0	0	0	0	0	0	0	0	1	1	0	0	0	3	0	0
	Rate	1.3	1.8	3.7	1.8	0.5	1.0	1.4	2.1	0.0	0.0	0.0	4.2	1.4	2.4	0.0	0.0	3.0	0.6	0.0	1.0
Gastroenteritis	Cases	0	9	6	4	7	0	4	0	2	0	0	5	2	10	0	0	0	3	1	1
	Rate	0.0	15.4	17.5	7.8	12.2	14.6	22.7	4.3	14.6	1.9	20.6	52.3	29.8	32.2	2.5	6.4	15.2	9.4	3.5	2.6
Giardiasis	Cases	3	12	28	8	9	1	9	0	1	4	1	1	11	17	0	3	0	17	3	12
	Rate	30.4	41.8	58.7	27.6	44.9	46.6	52.4	15.0	28.2	37.9	11.1	19.6	32.5	51.9	46.8	65.8	39.4	37.6	47.9	39.2
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
	Rate	0.0	0.2	0.0	0.0	0.3	1.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.0
Hazardous substances injury	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.3	0.2	0.3	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
Hepatitis A	Cases	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	6.0	3.9	2.8	0.8	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.0	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	3	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	1.3	1.3	0.9	1.2	0.5	1.9	1.4	4.3	0.9	1.3	0.0	1.8	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
	Rate	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	0.7	0.0	2.1	0.0	1.0	5.3	4.6
Invasive pneumococcal	Cases	3	4	8	10	4	2	5	1	0	3	0	2	1	8	0	4	0	7	0	4
	Rate	16.4	10.1	12.5	15.2	10.6	21.4	16.0	8.6	7.3	14.8	3.2	9.5	11.1	10.5	17.2	12.9	0.0	10.1	12.4	10.4
Lead absorption	Cases	1	4	10	7	0	1	0	0	0	0	1	2	1	0	0	0	0	0	0	1
	Rate	1.3	6.4	16.0	7.8	2.2	4.9	2.4	10.7	2.7	3.9	20.6	5.9	12.5	5.4	7.4	3.6	9.1	2.4	8.9	4.6
Legionellosis	Cases	0	0	2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0
	Rate	4.4	4.4	4.4	2.0	2.2	0.0	0.9	0.0	1.8	1.9	0.0	1.2	0.7	1.4	0.0	3.6	3.0	12.7	1.8	3.6
Leptospirosis	Cases	0	0	0	0	2	0	1	0	1	3	0	2	0	0	1	1	1	1	1	2
	Rate	1.9	0.4	0.4	0.4	5.7	1.0	1.9	6.4	3.6	12.2	12.7	5.3	0.7	0.3	4.9	3.6	15.2	2.2	3.5	1.3
Listeriosis	Cases	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.2	0.8	0.3	0.0	0.9	0.0	0.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.2	0.0	0.7
Malaria	Cases	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	1.9	0.9	2.6	1.4	0.5	1.0	0.5	0.0	0.9	1.3	0.0	0.6	0.0	0.3	0.0	0.7	0.0	0.6	0.0	0.3
Measles	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	7.0	17.4	44.5	19.6	5.4	4.9	3.8	6.4	1.8	1.3	0.0	0.6	0.7	4.8	0.0	0.7	3.0	2.8	3.5	5.9
Meningococcal disease	Cases	0	0	2	0	1	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0
	Rate	7.6	1.5	1.5	2.8	3.3	2.9	2.8	4.3	7.3	1.9	0.0	1.2	2.8	2.4	2.5	0.7	3.0	1.4	0.0	1.3
Mumps	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	Rate	0.6	0.2	0.4	0.6	0.5	0.0	0.5	0.0	1.8	0.0	1.6	0.0	0.7	0.7	2.5	3.6	0.0	1.6	0.0	0.0
Non seasonal influenza A (H1N1)	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	0.4	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	0.3
Pertussis	Cases	3	26	25	21	37	9	12	3	9	13	25	13	35	48	3	52	27	101	2	12
	Rate	37.3	35.7	37.2	46.6	64.1	41.5	244.6	49.2	117.5	107.8	48.7	224.2	176.8	93.6	631.2	958.7	182.4	76.3	41.8	
Rheumatic fever ⁴	Cases	1	1	1	12	0	1	0	1	1	2	0	0	0	2	0	0	0	0	0	0
	Rate	11.4	3.3	4.4	15.0	5.4	8.7	3.3	21.5	1.8	5.8	3.2	5.3	4.2	4.4	0.0	0.7	0.0	0.4	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	0.3	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	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	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Salmonellosis	Cases	1	15	10	6	6	2	4	1	0	1	0	2	2	5	0	2	0	8	2	4
	Rate	15.2	21.8	22.6	13.2	28.0	34.0	17.5	15.0	14.6	17.3	9.5	18.4	22.1	18.0	12.3	30.0	15.2	25.5	56.8	43.4
Shigellosis	Cases	0	4	4	2	1	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0
	Rate	1.3	5.1	6.1	5.0	2.2	1.0	4.2	2.1	3.6	0.6	1.6	0.6	0.0	4.4	0.0	0.0	0.0	2.4	1.8	2.0
Tuberculosis disease	Cases	0	4	7	6	1	1	1	1	0	2	0	0	2	2	1	2	0	2	0	0
	Rate	1.3	7.1	15.1	9.0	4.1	3.9	6.6	4.3	1.8	10.9	0.0	7.7	3.5	8.8	2.5	6.4	3.0	4.6	0.0	2.0
Typhoid fever	Cases	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	1.5	2.8	2.2	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.6	0.0	0.0
VTEC/STEC infection	Cases	1	1	0	1	2	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0
	Rate	7.0	1.6	0.9	1.6	4.6	2.9	6.6	2.1	7.3	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	3.8	10.6	3.6
Yersiniosis	Cases	0	12	7	2	6	1	2	0	2	0	0	0	1	8	2	0	0	5	2	3
	Rate	8.9	16.9	15.1	12.4	21.2	14.6	9.9	10.7	12.7	8.3	6.3	2.4	17.3	16.6	9.9	2.9	6.1	11.5	14.2	4.2

¹ These data are provisional

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

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

⁴ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the Rheumatic fever section of this report

Notifiable Disease Surveillance Data by District Health Board July 2012

		Cases ¹ and current rate ² for July 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	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	16	43	32	30	37	3	12	0	15	12	1	8	8	26	2	15	2	34	4	24
	Rate	157.4	157.9	123.3	104.2	196.9	150.5	133.6	118.0	187.5	211.2	137.9	124.1	141.2	175.1	226.7	189.4	203.3	213.7	269.6	212.4
Cryptosporidiosis	Cases	1	2	2	4	3	0	0	0	0	2	0	0	6	20	0	1	1	5	0	2
	Rate	19.0	8.2	6.6	8.8	34.8	19.4	9.4	4.3	16.4	14.8	9.5	15.4	26.3	31.6	34.5	11.4	18.2	12.3	53.2	21.9
Dengue fever	Cases	2	3	4	2	0	0	0	0	0	0	0	0	1	1	0	0	0	3	0	0
	Rate	1.3	1.8	3.7	1.8	0.5	1.0	1.4	2.1	0.0	0.0	0.0	4.2	1.4	2.4	0.0	0.0	3.0	0.6	0.0	1.0
Gastroenteritis	Cases	0	9	6	4	7	0	4	0	2	0	0	5	2	10	0	0	0	3	1	1
	Rate	0.0	15.4	17.5	7.8	12.2	14.6	22.7	4.3	14.6	1.9	20.6	52.3	29.8	32.2	2.5	6.4	15.2	9.4	3.5	2.6
Giardiasis	Cases	3	12	28	8	9	1	9	0	1	4	1	1	11	17	0	3	0	17	3	12
	Rate	30.4	41.8	58.7	27.6	44.9	46.6	52.4	15.0	28.2	37.9	11.1	19.6	32.5	51.9	46.8	65.8	39.4	37.6	47.9	39.2
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
	Rate	0.0	0.2	0.0	0.0	0.3	1.0	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.0
Hazardous substances injury	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.3	0.2	0.3	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
Hepatitis A	Cases	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	6.0	3.9	2.8	0.8	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.0	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	3	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	1.3	1.3	0.9	1.2	0.5	1.9	1.4	4.3	0.9	1.3	0.0	1.8	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
	Rate	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.0	1.8	1.3	0.0	0.0	0.0	0.7	0.0	2.1	0.0	1.0	5.3	4.6
Invasive pneumococcal disease ⁴	Cases	3	4	8	10	4	2	5	1	0	3	0	2	1	8	0	4	0	7	0	4
	Rate	16.4	10.1	12.5	15.2	10.6	21.4	16.0	8.6	7.3	14.8	3.2	9.5	11.1	10.5	17.2	12.9	0.0	10.1	12.4	10.4
Lead absorption	Cases	1	4	10	7	0	1	0	0	0	0	1	2	1	0	0	0	0	0	0	1
	Rate	1.3	6.4	16.0	7.8	2.2	4.9	2.4	10.7	2.7	3.9	20.6	5.9	12.5	5.4	7.4	3.6	9.1	2.4	8.9	4.6
Legionellosis	Cases	0	0	2	0	2	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0
	Rate	4.4	4.4	4.4	2.0	2.2	0.0	0.9	0.0	1.8	1.9	0.0	1.2	0.7	1.4	0.0	3.6	3.0	12.7	1.8	3.6
Leptospirosis	Cases	0	0	0	0	2	0	1	0	1	3	0	2	0	0	1	1	1	1	1	2
	Rate	1.9	0.4	0.4	0.4	5.7	1.0	1.9	6.4	3.6	12.2	12.7	5.3	0.7	0.3	4.9	3.6	15.2	2.2	3.5	1.3
Listeriosis	Cases	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.2	0.8	0.3	0.0	0.9	0.0	0.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.2	0.0	0.7
Malaria	Cases	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	1.9	0.9	2.6	1.4	0.5	1.0	0.5	0.0	0.9	1.3	0.0	0.6	0.0	0.3	0.0	0.7	0.0	0.6	0.0	0.3
Measles	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	7.0	17.4	44.5	19.6	5.4	4.9	3.8	6.4	1.8	1.3	0.0	0.6	0.7	4.8	0.0	0.7	3.0	2.8	3.5	5.9
Meningococcal disease	Cases	0	0	2	0	1	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0
	Rate	7.6	1.5	1.5	2.8	3.3	2.9	2.8	4.3	7.3	1.9	0.0	1.2	2.8	2.4	2.5	0.7	3.0	1.4	0.0	1.3
Mumps	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	Rate	0.6	0.2	0.4	0.6	0.5	0.0	0.5	0.0	1.8	0.0	1.6	0.0	0.7	0.7	2.5	3.6	0.0	1.6	0.0	0.0
Non seasonal influenza A (H1N1)	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	0.4	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	0.3
Pertussis	Cases	3	26	25	21	37	9	12	3	9	13	25	13	35	48	3	52	27	101	2	12
	Rate	37.3	35.7	37.2	46.6	46.8	64.1	41.5	244.6	49.2	117.5	107.8	48.7	224.2	176.8	93.6	631.2	958.7	182.4	76.3	41.8
Rheumatic fever ⁴	Cases	1	1	1	12	0	1	0	1	1	2	0	0	0	2	0	0	0	0	0	0
	Rate	11.4	3.3	4.4	15.0	5.4	8.7	3.3	21.5	1.8	5.8	3.2	5.3	4.2	4.4	0.0	0.7	0.0	0.4	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	0.3	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	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	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Salmonellosis	Cases	1	15	10	6	6	2	4	1	0	1	0	2	2	5	0	2	0	8	2	4
	Rate	15.2	21.8	22.6	13.2	28.0	34.0	17.5	15.0	14.6	17.3	9.5	18.4	22.1	18.0	12.3	30.0	15.2	25.5	56.8	43.4
Shigellosis	Cases	0	4	4	2	1	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0
	Rate	1.3	5.1	6.1	5.0	2.2	1.0	4.2	2.1	3.6	0.6	1.6	0.6	0.0	4.4	0.0	0.0	0.0	2.4	1.8	2.0
Tuberculosis disease	Cases	0	4	7	6	1	1	1	1	0	2	0	0	2	2	1	2	0	2	0	0
	Rate	1.3	7.1	15.1	9.0	4.1	3.9	6.6	4.3	1.8	10.9	0.0	7.7	3.5	8.8	2.5	6.4	3.0	4.6	0.0	2.0
Typhoid fever	Cases	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	1.5	2.8	2.2	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.6	0.7	0.0	0.0	0.0	0.0	0.6	0.0	0.0
VTEC/STEC infection	Cases	1	1	0	1	2	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0
	Rate	7.0	1.6	0.9	1.6	4.6	2.9	6.6	2.1	7.3	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	3.8	10.6	3.6
Yersiniosis	Cases	0	12	7	2	6	1	2	0	2	0	0	0	1	8	2	0	0	5	2	3
	Rate	8.9	16.9	15.1	12.4	21.2	14.6	9.9	10.7	12.7	8.3	6.3	2.4	17.3	16.6	9.9	2.9	6.1	11.5	14.2	4.2

¹ These data are provisional

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

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

⁴ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the Rheumatic fever section of this report

Notifiable Disease Surveillance Data for the 12 months ending July-2012 by District Health Board

Disease	Cases for the 12 months ending July 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	7264	249	862	563	521	724	155	283	55	206	329	87	209	204	516	92	265	67	1074	152
Cryptosporidiosis	718	30	45	30	44	128	20	20	2	18	23	6	26	38	93	14	16	6	62	30
Dengue fever	68	2	10	17	9	2	1	3	1	0	0	0	7	2	7	0	0	1	3	0
Gastroenteritis	643	0	84	80	39	45	15	48	2	16	3	13	88	43	95	1	9	5	47	2
Giardiasis	1803	48	228	268	138	165	48	111	7	31	59	7	33	47	153	19	92	13	189	27
Haemophilus influenzae type b	8	0	1	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	1	2
Hazardous substances injury	10	0	1	6	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	79	1	33	18	14	3	0	2	0	0	2	0	0	1	3	0	1	0	1	0
Hepatitis B	38	2	7	4	6	2	2	3	2	1	2	0	3	1	0	0	1	0	0	2
Hepatitis C	36	0	0	3	2	0	0	0	0	2	2	0	0	0	2	0	3	0	5	3
Invasive pneumococcal disease	524	26	55	57	76	39	22	34	4	8	23	2	16	16	31	7	18	0	51	7
Lead absorption	280	2	35	73	39	8	5	5	5	3	6	13	10	18	16	3	5	3	12	5
Legionellosis	165	7	24	20	10	8	0	2	0	2	3	0	2	1	4	0	5	1	64	1
Leptospirosis	109	3	2	2	2	21	1	4	3	4	19	8	9	1	1	2	5	5	11	2
Listeriosis	20	1	2	1	4	1	0	2	0	1	4	0	0	0	0	0	0	1	1	0
Malaria	41	3	5	12	7	2	1	1	0	1	2	0	1	0	1	0	1	0	3	0
Measles	499	11	95	203	98	20	5	8	3	2	2	0	1	1	14	0	1	1	14	2
Meningococcal disease	102	12	8	7	14	12	3	6	2	8	3	0	2	4	7	1	1	1	7	0
Mumps	30	1	1	2	3	2	0	1	0	2	0	1	0	1	2	1	5	0	8	0
Non seasonal influenza A (H1N1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paratyphoid fever	15	0	2	5	2	0	0	0	0	0	1	0	0	0	1	0	0	0	3	0
Pertussis	4654	59	195	170	233	172	66	88	114	54	183	68	82	324	521	38	883	316	917	43
Rheumatic fever ³	221	18	18	20	75	20	9	7	10	2	9	2	9	6	13	0	1	0	2	0
Rickettsial disease	4	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	16	2	3	6	1	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0
Salmonellosis	1004	24	119	103	66	103	35	37	7	16	27	6	31	32	53	5	42	5	128	32
Shigellosis	141	2	28	28	25	8	1	9	1	4	1	1	1	0	13	0	0	0	12	1
Tuberculosis disease	293	2	39	69	45	15	4	14	2	2	17	0	13	5	26	1	9	1	23	0
Typhoid fever	42	0	8	13	11	0	1	2	1	0	1	0	1	1	0	0	0	0	3	0
VTEC/STEC infection	123	11	9	4	8	17	3	14	1	8	4	0	1	1	0	0	4	2	19	6
Yersiniosis	554	14	92	69	62	78	15	21	5	14	13	4	4	25	49	4	4	2	58	8
Total	19504	531	2013	1853	1555	1598	413	727	227	405	738	218	550	773	1621	188	1371	430	2721	323

¹ These data are provisional

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

³ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the Rheumatic fever section of this report

National Notifiable Disease Surveillance Data July 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	July 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	July 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	324	3861	164.9	491	3287	151.2
Cryptosporidiosis	49	290	16.3	19	182	15.6
Dengue fever	16	50	1.5	5	24	1.1
Gastroenteritis ³	54	368	14.6	25	355	13.3
Giardiasis	140	1094	40.9	144	1225	44.5
Haemophilus influenzae type b	3	6	0.2	1	6	0.2
Hazardous substances injury	0	6	0.2	3	6	0.1
Hepatitis A	3	67	1.8	3	14	0.6
Hepatitis B ⁴	8	25	0.9	5	38	1.3
Hepatitis C ⁴	4	23	0.8	1	14	0.6
Invasive pneumococcal disease	66	250	11.9	70	278	11.6
Lead absorption	28	197	6.4	13	147	5.5
Legionellosis	7	92	3.7	13	84	4.1
Leptospirosis	16	80	2.5	7	40	1.6
Listeriosis	2	12	0.5	4	18	0.5
Malaria	4	20	0.9	2	31	1.0
Measles	1	70	11.3	62	168	4.1
Meningococcal disease	7	38	2.3	14	55	2.1
Mumps	3	16	0.7	7	37	1.1
Paratyphoid fever	1	12	0.3	0	9	0.3
Pertussis	476	3096	105.7	74	438	17.5
Rheumatic fever ⁵	22	141	5.0	8	84	3.4
Rickettsial disease	0	2	0.1	3	4	0.2
Rubella	0	3	0.4	0	9	0.3
Salmonellosis	71	640	22.8	57	692	27.3
Shigellosis	15	95	3.2	7	55	1.8
Tuberculosis disease	32	175	6.7	25	190	7.0
Typhoid fever	5	25	1.0	3	28	0.8
VTEC/STEC infection	9	86	2.8	3	116	3.8
Yersiniosis	53	301	12.6	47	261	10.2

¹ These data are provisional

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

⁵ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the Rheumatic fever section of this report