

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 5 September 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

- *Brucellosis*: One case of brucellosis was notified in August 2012 from Waikato DHB. The case has been made “not a case” as the laboratory criteria were not met.
- *Cryptosporidiosis*: 96 cases of cryptosporidiosis were notified in August 2012 compared to 57 cases notified during the same month of the previous year (Figure 1). The cases ranged in age from nine months to 71 years, with the highest numbers of cases in the 1-4 years (38 cases) and in the 5-9 years (14 cases) age groups. The highest numbers of cases were reported in Waikato (34 cases) and Hawke’s Bay and Capital and Coast (9 cases each) DHBs. Among the cases where risk factor information was recorded, 60.9% (28/46) had contact with farm animals, 46.9% (15/32) had consumed untreated water, 45.5% (15/33) had contact with other symptomatic people, and 45.0% (18/40) had attended school, preschool or childcare.
- *Haemophilus influenzae type b*: Four cases of *Haemophilus influenzae* type b were notified in August 2012 including two cases still under investigation and two cases which have since been made “not a case” after further investigation. The two under investigation cases were in the 20-29 years and 40-49 years age groups. The vaccination history was recorded for the case in the 20-29 years age group, receiving three doses.
- *Leprosy*: One confirmed case of leprosy was notified in August 2012. The case was a male in the 20-29 years age group. The case had been in Kiribati during the incubation period.
- *Leptospirosis*: 25 cases of leptospirosis were notified in August 2012 (11 confirmed, 4 probable and 10 under investigation), compared to five cases notified in the same month of the previous year. Two of these cases have since been made “not a case” after further investigation. The following section relates to the 11 confirmed cases only. These cases were from Waikato and Bay of Plenty (3 cases each), MidCentral (2 cases), and Hawke’s Bay, Wairarapa and South Canterbury (1 case each) DHBs. High risk occupations were recorded for all cases: farmers or farm workers (6), meat workers (3), hunting guide (1) and veterinarian (1). *Leptospira* species and serovars were recorded for six cases: *Leptospira borgpetersenii* sv Ballum, *L. borgpetersenii* sv Hardjo, and *L. interrogans* sv Pomona (2 each).
- *Meningococcal disease*: 18 cases of meningococcal disease were notified in August 2012 compared to 23 cases notified in the same month of the previous year. One case has since been made “not a case” after further investigation. The cases ranged in age from nine months to 57 years, with the highest numbers of cases in the 15-19 years (5 cases) and in the 20-29 years (4 cases) age groups.

Cases were from the following DHBs: Capital and Coast and South Canterbury (3 cases each), Waitemata, Auckland, MidCentral, Canterbury and Southern (2 cases each) and Waikato and Whanganui (1 case each). Fourteen cases were hospitalised but no deaths were reported. All of the cases were laboratory confirmed and the strain type was determined for 15 cases: group B but not B:P1.7-2,4 (6 cases), C:P1.5-1,10-8 (5 cases), B:P1.7-2,4 (2 cases), and group C but not C:P1.5-1,10-8 (2 cases).

- *Pertussis*: 620 cases of pertussis were notified in August 2012, compared with 457 cases notified the previous month and 119 cases in the same month of the previous year (Figure 2). Nineteen cases were hospitalised and one death was reported. There were 86 (13.9%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 115 (18.5%) cases were laboratory-confirmed by PCR. The highest number of cases was from Canterbury DHB (128), followed by Capital and Coast (103) and Nelson Marlborough (69) DHBs. The cases ranged in age from one month to 86 years, with 23.2% (144/620 cases) under 5 years old (including 38 cases aged less than 1 year). The highest numbers of cases occurred in the 1-4 years (106), 5-9 years (93), 40-49 years (70), and 10-14 years (62) age groups. The vaccination status was recorded for 342 (55.2%) cases. Of these, 111 were reported as not vaccinated, 29 received one dose of vaccine, 10 received two doses of vaccine, 139 received three or more doses (including 27 who had received all five doses), and 53 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 46.0% (186/404) attended school, pre-school or childcare, and 33.7% (91/270) had contact with a laboratory-confirmed pertussis case. Four *B. pertussis* outbreaks involving 10 cases in total were reported in August.
- *Rickettsial disease*: One confirmed case of murine typhus was notified in August 2012. The case was a female in the 20-29 years age group from Waikato DHB. The case had exposure to rats and fleas.
- *Taeniasis*: One confirmed case of taeniasis was notified in August 2012. The case was a male in the 50-59 years age group from Auckland DHB and was in South Africa during the incubation period.

2. Outbreaks

Finalised outbreak reports: 31 outbreak reports were created and finalised in EpiSurv during August 2012 (Table 1).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	3	6
<i>Campylobacter</i> ¹	MidCentral	1	4
<i>Cryptosporidium</i>	Waitemata, Counties Manukau	2	5
Gastroenteritis ¹	Counties Manukau, Waikato, MidCentral, Hutt Valley, Capital and Coast, Southern	7	70
<i>Giardia</i> ^{1,2}	Waitemata, Counties Manukau	3	11
Influenza A virus ¹	Capital and Coast	2	79
Influenza A(H3N2) virus ¹	Bay of Plenty, Hawke's Bay, Capital and Coast	4	338
Influenza B virus ¹	Capital and Coast	1	47
Norovirus ^{1,3}	Taranaki, MidCentral, Canterbury, Southern	6	118
Rotavirus	Waikato	2	11
<i>Yersinia</i>	Waikato	1	3
Total		31	688

¹Includes outbreaks reported to PHSs prior to August 2012: norovirus (4), gastroenteritis (2), *Campylobacter* (1), *Giardia* (1), influenza A, A(H3N2) and B viruses (1 each) all reported in July.

²Two *Giardia* outbreaks both reported in Waitemata DHB had an overseas exposure location (Australia and Fiji).

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

Interim outbreak reports: 36 interim outbreaks were created in EpiSurv during August 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 August 2012

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	West Coast	1	4
<i>Campylobacter</i> ¹	Waikato, Canterbury	3	42
<i>Cryptosporidium</i> ¹	Waikato, MidCentral	4	8
Gastroenteritis ^{1,2}	Waitemata, Auckland, Counties Manukau, Waikato, Lakes, Taranaki, MidCentral, Capital and Coast, Southern	17	80
<i>Giardia</i> ¹	Waitemata, Waikato	2	3
Influenza A virus ¹	Waikato	1	-
Influenza virus	Southern	1	30
Norovirus ¹	Auckland, Capital and Coast, Nelson Marlborough, Southern	7	25
Total		36	192

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

²Includes one gastroenteritis outbreak reported to PHSs prior to August 2012, reported in July 2012.

3. Deaths from notifiable diseases

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

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

Disease	District Health Board	Age group (years)
Invasive pneumococcal disease	Waikato	<1 year
Invasive pneumococcal disease	Lakes	50-59 years
Invasive pneumococcal disease	Counties Manukau	70+ years
Invasive pneumococcal disease	MidCentral	70+ years
Invasive pneumococcal disease	Southern	70+ years
Listeriosis	Waitemata	60-69 years
Pertussis	Wairarapa	1-4 years

4. Trends in selected diseases to August 2012

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

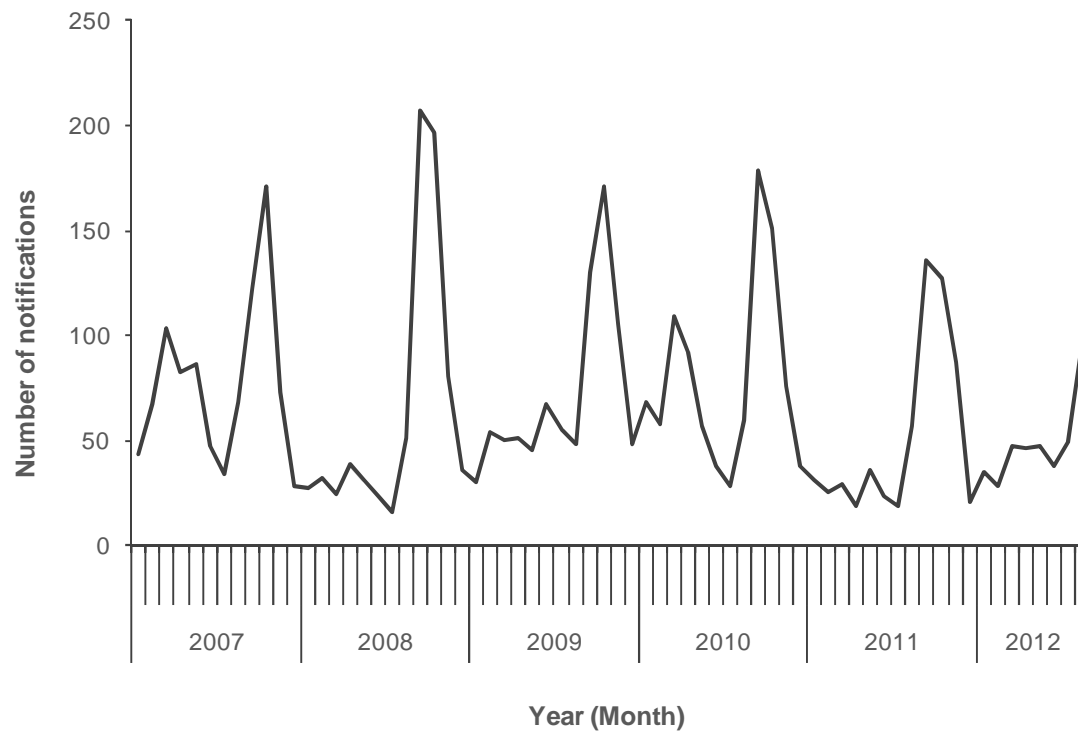
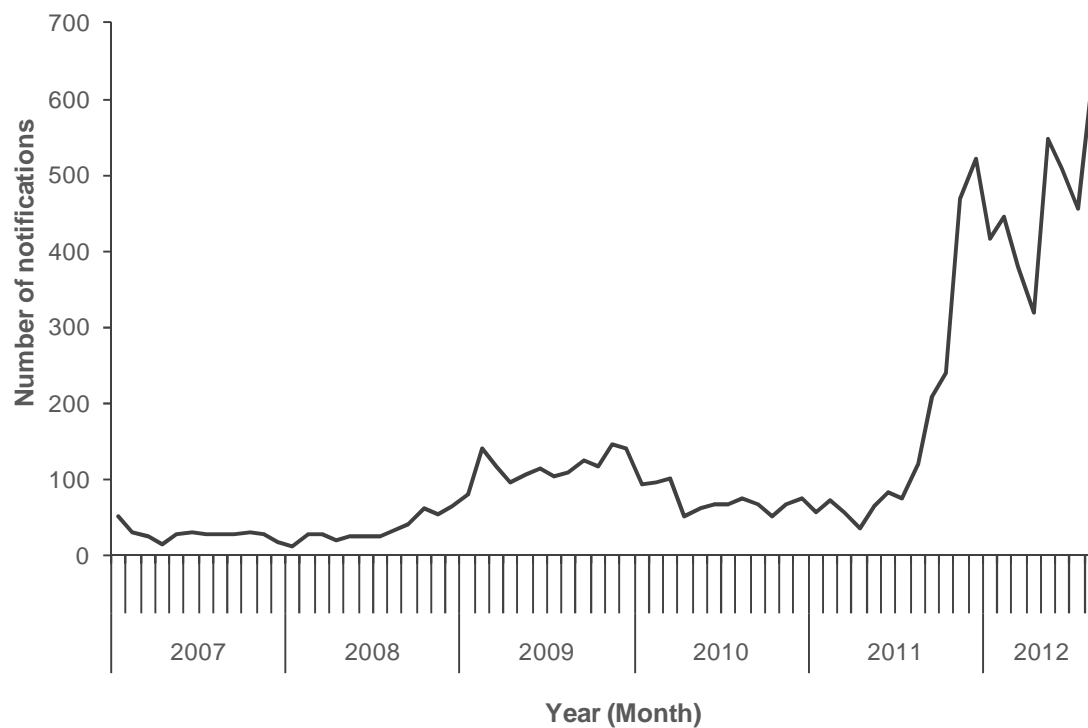


Figure 2: Pertussis notifications by month, January 2007 – August 2012



5. Data tables

National Notifiable Disease Surveillance Data August 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	August 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	August 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	528	4392	163.9	573	3860	149.9
Cryptosporidiosis	96	386	17.2	57	239	15.5
Dengue fever	6	55	1.5	5	29	1.2
Gastroenteritis ³	35	401	14.4	43	398	13.5
Giardiasis	140	1234	40.2	170	1395	45.2
Haemophilus influenzae type b	4	9	0.2	0	6	0.2
Hepatitis A	4	71	1.8	3	17	0.7
Hepatitis B ⁴	11	32	0.9	5	43	1.4
Hepatitis C ⁴	5	28	0.9	2	15	0.5
Invasive pneumococcal disease	73	322	11.7	80	358	11.7
Lead absorption	21	217	6.5	14	161	5.5
Legionellosis	5	96	3.7	8	92	4.1
Leptospirosis	25	98	2.8	5	45	1.6
Listeriosis	2	14	0.5	0	18	0.5
Malaria	4	25	1.0	3	34	1.0
Measles	1	71	10.6	34	202	4.7
Meningococcal disease	18	56	2.2	23	78	2.3
Mumps	6	20	0.7	3	40	1.1
Paratyphoid fever	2	13	0.4	0	9	0.3
Pertussis	620	3695	116.5	119	557	18.5
Rheumatic fever	12	153	4.7	27	111	3.7
Rickettsial disease	1	3	0.1	0	4	0.1
Rubella	0	3	0.1	10	19	0.5
Salmonellosis	86	725	23.1	73	765	26.7
Shigellosis	6	101	3.1	10	65	1.8
Tuberculosis disease	33	203	6.7	25	215	7.2
Typhoid fever	4	29	1.0	4	32	0.8
VTEC/STEC infection	14	99	2.8	12	128	3.7
Yersiniosis	45	343	11.6	84	345	11.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including August 2012) or the previous year (12 months up to and including August 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 August: Brucellosis (1) , Leprosy (1) , Taeniasis (1)

Notifiable Disease Surveillance Data by District Health Board August 2012

		Cases ¹ and current rate ² for August 2012 by District Health Board ³																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawkes Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	27	46	35	33	83	16	13	1	34	28	4	14	2	20	2	10	7	95	18	40
	Rate	162.5	155.6	121.3	104.8	204.5	159.2	128.4	109.4	197.5	211.2	133.2	117.6	124.6	156.5	209.5	188.7	212.4	217.2	287.3	214.4
Cryptosporidiosis	Cases	5	6	1	4	34	3	3	0	3	9	0	5	2	9	1	1	0	4	4	2
	Rate	22.1	8.8	6.8	7.8	37.0	21.4	10.4	4.3	18.2	19.9	7.9	17.2	27.0	33.9	34.5	10.0	18.2	12.5	60.3	21.9
Dengue fever	Cases	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
	Rate	1.3	2.0	3.5	1.4	0.5	1.0	0.9	2.1	0.0	0.0	0.0	3.6	1.4	2.4	0.0	0.0	3.0	1.0	0.0	1.6
Gastroenteritis	Cases	0	0	4	3	0	2	1	0	1	0	0	12	0	8	0	0	0	4	0	0
	Rate	0.0	14.1	17.1	7.8	11.7	16.5	22.7	0.0	15.5	1.3	17.4	51.1	29.1	33.3	2.5	6.4	15.2	9.9	3.5	2.6
Giardiasis	Cases	6	24	17	9	10	4	3	1	3	8	3	3	5	11	2	5	1	20	1	4
	Rate	29.1	42.7	57.2	26.8	44.3	43.7	52.4	17.2	29.1	37.9	15.9	19.0	31.1	47.5	51.7	62.9	36.4	39.2	44.3	36.2
Haemophilus influenzae type b	Cases	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.4	0.0	0.3	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.0
Hepatitis A	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	5.9	4.2	2.8	0.8	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.4	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	2	0	1	2	4	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	1.1	1.1	0.8	0.3	2.9	2.8	4.3	1.8	1.3	0.0	1.2	0.7	0.3	0.0	0.7	0.0	0.0	0.0	0.7
Hepatitis C	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	Rate	0.0	0.0	0.4	0.6	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	1.4	5.3	4.9
Invasive pneumococcal	Cases	4	4	8	12	6	2	5	0	2	1	2	3	3	4	2	3	0	5	2	5
	Rate	17.1	9.5	13.1	15.0	11.4	19.4	15.6	6.4	7.3	12.2	6.3	9.5	11.1	10.5	17.2	12.9	0.0	8.8	14.2	10.8
Lead absorption	Cases	0	3	1	6	3	0	0	0	3	0	1	1	1	2	0	0	0	0	0	0
	Rate	0.6	6.8	16.0	8.4	2.7	4.9	2.4	8.6	5.5	3.9	22.2	5.9	13.1	5.8	7.4	1.4	9.1	2.0	8.9	4.6
Legionellosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0
	Rate	3.8	3.5	4.4	2.0	2.2	0.0	0.9	0.0	1.8	1.9	0.0	1.2	0.7	1.7	0.0	4.3	6.1	12.7	1.8	3.3
Leptospirosis	Cases	0	0	0	0	4	0	3	2	2	6	0	2	0	0	1	1	0	1	3	0
	Rate	1.9	0.4	0.2	0.2	6.5	0.0	3.3	10.7	4.6	14.1	9.5	6.5	0.7	0.3	7.4	2.9	15.2	2.4	8.9	1.3
Listeriosis	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	0.8	0.5	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	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	2.5	0.9	2.8	1.6	0.5	1.0	0.0	0.0	0.0	1.3	0.0	0.6	0.0	0.3	0.0	0.7	0.0	0.8	0.0	0.3
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	7.0	15.0	43.1	18.8	2.2	4.9	3.8	6.4	1.8	1.3	0.0	0.6	0.7	4.8	0.0	0.7	3.0	3.0	3.5	5.9
Meningococcal disease	Cases	0	2	2	0	1	0	0	0	0	0	1	2	0	3	0	0	0	2	3	2
	Rate	5.1	1.8	1.5	1.8	2.4	1.9	2.8	4.3	7.3	1.3	1.6	1.8	2.8	3.4	2.5	0.0	3.0	1.4	5.3	1.3
Mumps	Cases	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	1
	Rate	0.0	0.2	0.2	0.6	0.5	0.0	0.5	0.0	1.8	0.0	1.6	0.0	1.4	0.7	2.5	4.3	0.0	1.6	0.0	0.3
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Rate	0.0	0.4	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.0
Pertussis	Cases	3	27	35	27	42	4	20	9	11	10	22	26	39	103	6	69	10	128	3	26
	Rate	37.3	39.2	43.4	51.6	55.5	67.0	50.5	261.8	59.2	107.2	141.1	63.0	247.8	208.7	108.4	665.5	943.6	203.9	78.0	48.3
Rheumatic fever	Cases	1	1	0	4	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	10.1	3.5	3.1	15.6	4.9	9.7	2.4	23.6	1.8	5.1	0.0	2.4	4.2	4.1	0.0	0.7	0.0	0.4	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.4	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	0.2	0.0	0.0
Salmonellosis	Cases	7	8	9	1	12	1	1	1	4	0	1	3	2	6	0	4	2	11	0	13
	Rate	19.0	21.6	21.7	12.8	29.6	34.0	17.0	15.0	17.3	14.8	9.5	20.2	18.7	19.0	9.9	30.7	21.2	26.5	47.9	45.4
Shigellosis	Cases	0	2	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
	Rate	1.3	5.1	6.4	4.4	1.9	1.0	3.8	2.1	3.6	0.6	1.6	1.2	0.0	4.4	0.0	0.0	0.0	2.2	1.8	2.0
Tuberculosis disease	Cases	0	8	7	6	3	1	1	0	0	2	0	0	1	1	0	2	0	0	0	1
	Rate	1.3	7.3	15.3	9.0	4.9	4.9	6.6	4.3	1.8	12.8	0.0	5.9	4.2	8.5	0.0	7.9	3.0	4.2	0.0	1.6
Typhoid fever	Cases	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.3	3.1	2.4	0.0	0.0	0.9	2.1	0.0	0.6	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	0	0	0	0	3	0	2	0	3	0	0	1	0	0	0	0	0	4	0	1
	Rate	7.0	1.6	0.9	1.6	4.9	2.9	7.6	2.1	10.0	2.6	0.0	1.2	0.7	0.0	0.0	2.1	6.1	3.0	8.9	3.6
Yersiniosis	Cases	2	6	7	3	7	0	2	0	0	1	0	0	2	5	0	0	0	8	0	2
	Rate	8.9	15.9	14.7	11.6	15.8	8.7	8.5	10.7	12.7	7.7	4.8	1.8	15.2	17.0	9.9	2.9	6.1	11.9	12.4	4.9

¹ These data are provisional

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

		Cases ¹ and current rate ² for August 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	27	46	35	33	83	16	13	1	34	28	4	14	2	20	2	10	7	95	18	40
	Rate	162.5	155.6	121.3	104.8	204.5	159.2	128.4	109.4	197.5	211.2	133.2	117.6	124.6	156.5	209.5	188.7	212.4	217.2	287.3	214.4
Cryptosporidiosis	Cases	5	6	1	4	34	3	3	0	3	9	0	5	2	9	1	1	0	4	4	2
	Rate	22.1	8.8	6.8	7.8	37.0	21.4	10.4	4.3	18.2	19.9	7.9	17.2	27.0	33.9	34.5	10.0	18.2	12.5	60.3	21.9
Dengue fever	Cases	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
	Rate	1.3	2.0	3.5	1.4	0.5	1.0	0.9	2.1	0.0	0.0	0.0	3.6	1.4	2.4	0.0	0.0	3.0	1.0	0.0	1.6
Gastroenteritis	Cases	0	0	4	3	0	2	1	0	1	0	0	12	0	8	0	0	0	4	0	0
	Rate	0.0	14.1	17.1	7.8	11.7	16.5	22.7	0.0	15.5	1.3	17.4	51.1	29.1	33.3	2.5	6.4	15.2	9.9	3.5	2.6
Giardiasis	Cases	6	24	17	9	10	4	3	1	3	8	3	3	5	11	2	5	1	20	1	4
	Rate	29.1	42.7	57.2	26.8	44.3	43.7	52.4	17.2	29.1	37.9	15.9	19.0	31.1	47.5	51.7	62.9	36.4	39.2	44.3	36.2
Haemophilus influenzae type b	Cases	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.4	0.0	0.3	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.5	0.0
Hepatitis A	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	0.6	5.9	4.2	2.8	0.8	0.0	0.9	0.0	0.0	1.3	0.0	0.0	0.7	1.4	0.0	0.7	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	2	0	1	2	4	0	1	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.3	1.1	1.1	0.8	0.3	2.9	2.8	4.3	1.8	1.3	0.0	1.2	0.7	0.3	0.0	0.7	0.0	0.0	0.0	0.7
Hepatitis C	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	Rate	0.0	0.0	0.4	0.6	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	1.4	5.3	4.9
Invasive pneumococcal disease	Cases	4	4	8	12	6	2	5	0	2	1	2	3	3	4	2	3	0	5	2	5
	Rate	17.1	9.5	13.1	15.0	11.4	19.4	15.6	6.4	7.3	12.2	6.3	9.5	11.1	10.5	17.2	12.9	0.0	8.8	14.2	10.8
Lead absorption	Cases	0	3	1	6	3	0	0	0	3	0	1	1	1	2	0	0	0	0	0	0
	Rate	0.6	6.8	16.0	8.4	2.7	4.9	2.4	8.6	5.5	3.9	22.2	5.9	13.1	5.8	7.4	1.4	9.1	2.0	8.9	4.6
Legionellosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0
	Rate	3.8	3.5	4.4	2.0	2.2	0.0	0.9	0.0	1.8	1.9	0.0	1.2	0.7	1.7	0.0	4.3	6.1	12.7	1.8	3.3
Leptospirosis	Cases	0	0	0	0	4	0	3	2	2	6	0	2	0	0	1	1	0	1	3	0
	Rate	1.9	0.4	0.2	0.2	6.5	0.0	3.3	10.7	4.6	14.1	9.5	6.5	0.7	0.3	7.4	2.9	15.2	2.4	8.9	1.3
Listeriosis	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.5	0.2	0.8	0.5	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	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	2.5	0.9	2.8	1.6	0.5	1.0	0.0	0.0	0.0	1.3	0.0	0.6	0.0	0.3	0.0	0.7	0.0	0.8	0.0	0.3
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	7.0	15.0	43.1	18.8	2.2	4.9	3.8	6.4	1.8	1.3	0.0	0.6	0.7	4.8	0.0	0.7	3.0	3.0	3.5	5.9
Meningococcal disease	Cases	0	2	2	0	1	0	0	0	0	0	1	2	0	3	0	0	0	2	3	2
	Rate	5.1	1.8	1.5	1.8	2.4	1.9	2.8	4.3	7.3	1.3	1.6	1.8	2.8	3.4	2.5	0.0	3.0	1.4	5.3	1.3
Mumps	Cases	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	1
	Rate	0.0	0.2	0.2	0.6	0.5	0.0	0.5	0.0	1.8	0.0	1.6	0.0	1.4	0.7	2.5	4.3	0.0	1.6	0.0	0.3
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Rate	0.0	0.4	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	0.0	1.0
Pertussis	Cases	3	27	35	27	42	4	20	9	11	10	22	26	39	103	6	69	10	128	3	26
	Rate	37.3	39.2	43.4	51.6	55.5	67.0	50.5	261.8	59.2	107.2	141.1	63.0	247.8	208.7	108.4	665.5	943.6	203.9	78.0	48.3
Rheumatic fever	Cases	1	1	0	4	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	10.1	3.5	3.1	15.6	4.9	9.7	2.4	23.6	1.8	5.1	0.0	2.4	4.2	4.1	0.0	0.7	0.0	0.4	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.4	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	0.2	0.0	0.0
Salmonellosis	Cases	7	8	9	1	12	1	1	1	4	0	1	3	2	6	0	4	2	11	0	13
	Rate	19.0	21.6	21.7	12.8	29.6	34.0	17.0	15.0	17.3	14.8	9.5	20.2	18.7	19.0	9.9	30.7	21.2	26.5	47.9	45.4
Shigellosis	Cases	0	2	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
	Rate	1.3	5.1	6.4	4.4	1.9	1.0	3.8	2.1	3.6	0.6	1.6	1.2	0.0	4.4	0.0	0.0	0.0	2.2	1.8	2.0
Tuberculosis disease	Cases	0	8	7	6	3	1	1	0	0	2	0	0	1	1	0	2	0	0	0	1
	Rate	1.3	7.3	15.3	9.0	4.9	4.9	6.6	4.3	1.8	12.8	0.0	5.9	4.2	8.5	0.0	7.9	3.0	4.2	0.0	1.6
Typhoid fever	Cases	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.3	3.1	2.4	0.0	0.0	0.9	2.1	0.0	0.6	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.6	0.0	0.3
VTEC/STEC infection	Cases	0	0	0	0	3	0	2	0	3	0	0	1	0	0	0	0	0	4	0	1
	Rate	7.0	1.6	0.9	1.6	4.9	2.9	7.6	2.1	10.0	2.6	0.0	1.2	0.7	0.0	0.0	2.1	6.1	3.0	8.9	3.6
Yersiniosis	Cases	2	6	7	3	7	0	2	0	0	1	0	0	2	5	0	0	0	8	0	2
	Rate	8.9	15.9	14.7	11.6	15.8	8.7	8.5	10.7	12.7	7.7	4.8	1.8	15.2	17.0	9.9	2.9	6.1	11.9	12.4	4.9

¹ These data are provisional

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

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

National Notifiable Disease Surveillance Data August 2012

Disease	Current Year - 2012 ¹			Previous Year - 2011		
	August 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	August 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	528	4392	163.9	573	3860	149.9
Cryptosporidiosis	96	386	17.2	57	239	15.5
Dengue fever	6	55	1.5	5	29	1.2
Gastroenteritis ³	35	401	14.4	43	398	13.5
Giardiasis	140	1234	40.2	170	1395	45.2
Haemophilus influenzae type b	4	9	0.2	0	6	0.2
Hepatitis A	4	71	1.8	3	17	0.7
Hepatitis B ⁴	11	32	0.9	5	43	1.4
Hepatitis C ⁴	5	28	0.9	2	15	0.5
Invasive pneumococcal disease	73	322	11.7	80	358	11.7
Lead absorption	21	217	6.5	14	161	5.5
Legionellosis	5	96	3.7	8	92	4.1
Leptospirosis	25	98	2.8	5	45	1.6
Listeriosis	2	14	0.5	0	18	0.5
Malaria	4	25	1.0	3	34	1.0
Measles	1	71	10.6	34	202	4.7
Meningococcal disease	18	56	2.2	23	78	2.3
Mumps	6	20	0.7	3	40	1.1
Paratyphoid fever	2	13	0.4	0	9	0.3
Pertussis	620	3695	116.5	119	557	18.5
Rheumatic fever	12	153	4.7	27	111	3.7
Rickettsial disease	1	3	0.1	0	4	0.1
Rubella	0	3	0.1	10	19	0.5
Salmonellosis	86	725	23.1	73	765	26.7
Shigellosis	6	101	3.1	10	65	1.8
Tuberculosis disease	33	203	6.7	25	215	7.2
Typhoid fever	4	29	1.0	4	32	0.8
VTEC/STEC infection	14	99	2.8	12	128	3.7
Yersiniosis	45	343	11.6	84	345	11.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including August 2012) or the previous year (12 months up to and including August 2011), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

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

Disease	Aug 2012	Jul 2012	Jun 2012	May 2012	Apr 2012	Mar 2012	Feb 2012	Jan 2012	Dec 2011	Nov 2011	Oct 2011	Sep 2011
Campylobacteriosis	528	328	342	520	455	557	661	1001	972	747	546	565
Cryptosporidiosis	96	49	38	47	46	47	28	35	21	87	127	136
Dengue fever	6	16	5	5	7	8	5	3	4	3	2	4
Gastroenteritis ²	35	52	57	47	53	58	48	51	55	49	59	69
Giardiasis	140	140	129	160	154	171	175	165	126	139	127	147
Haemophilus influenzae type b	4	2	1	0	0	1	0	1	0	1	1	0
Hazardous substances injury	0	0	0	0	1	4	0	1	3	0	1	0
Hepatitis A	4	3	2	4	4	32	19	3	2	4	0	3
Hepatitis B ³	11	5	5	3	1	2	2	3	0	1	3	4
Hepatitis C ³	5	4	1	2	8	2	4	2	4	0	1	6
Invasive pneumococcal disease	73	65	52	30	31	30	18	23	31	42	50	71
Lead absorption	21	27	25	46	20	21	41	16	25	13	10	21
Legionellosis	5	7	17	4	13	15	14	21	23	17	15	10
Leptospirosis	25	12	10	16	15	2	4	14	8	7	6	3
Listeriosis	2	2	2	2	0	1	1	4	4	1	3	0
Malaria	4	5	6	1	4	1	2	2	2	1	8	7
Measles	1	1	2	1	10	5	17	34	77	132	100	85
Meningococcal disease	18	7	7	4	6	3	4	7	5	6	11	19
Mumps	6	1	2	1	3	2	1	4	1	6	2	2
Paratyphoid fever	2	1	1	0	2	0	7	0	0	1	1	1
Pertussis	620	457	509	547	320	380	445	417	521	469	239	210
Rheumatic fever	12	22	42	23	11	11	18	14	17	8	12	16
Rickettsial disease	1	0	2	0	0	0	0	0	1	1	0	0
Rubella	0	0	0	0	1	1	1	0	0	1	1	1
Salmonellosis	86	72	51	90	83	97	114	132	79	72	63	77
Shigellosis	6	15	10	15	12	18	13	12	9	11	8	8
Tuberculosis disease	33	28	22	24	27	16	28	25	33	23	16	22
Typhoid fever	4	4	3	3	4	5	2	4	6	3	3	1
VTEC/STEC infection	14	8	9	7	19	16	11	15	3	7	9	6
Yersiniosis	45	51	45	44	37	45	30	46	32	59	30	48

¹ These data are provisional

² Cases of gastroenteritis from a common source or foodborne intoxication

³ Only acute cases of this disease are currently notifiable