
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 May 2014. 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

Chikungunya fever: One probable case was notified in April 2014. The case was a female in the 50–59 years age group from Auckland DHB and was in Tonga during the incubation period.

Dengue fever: 21 cases of dengue fever were notified in April 2014 (20 confirmed and 1 under investigation) compared to 34 cases notified during the previous month and 6 during the same month of the previous year (Figure 1). All of the cases had travelled overseas during the incubation period. The countries visited were Fiji (10 cases), Vanuatu (3 cases), Tonga, Cook Islands (2 cases each), and French Polynesia, India, Malaysia, Solomon Islands (1 case each).

Haemophilus influenzae type b: Four cases were notified in April 2014 (1 confirmed and 3 under investigation) compared to zero cases notified during the previous month and during the same month of the previous year. The confirmed case was a female in the 70 years and over age group from Auckland DHB. After further investigation one case has since been found to not meet the case criteria.

Hepatitis C: Five cases were notified in April 2014 (2 confirmed and 3 under investigation) compared to four cases notified during the previous month and two cases notified during the same month of the previous year (Figure 2). All five cases were from the European or Other ethnic group. Four cases were from Canterbury DHB and one from Auckland DHB. The age range for cases was 25–62 years. The confirmed cases had risk factors recorded which indicated a history of injecting drug use. After further investigation two cases have since been found to not meet the case criteria.

Hepatitis not otherwise specified (NOS): Two cases were notified in April 2014. After further investigation these cases have since been found to not meet the case criteria.

Hydatid disease: One case was notified in April 2014. The case was a male in the 60–69 years age group from Counties Manukau DHB. The case is still under investigation as further information is pending.

Ross River virus infection: One confirmed case was notified in April 2014. The case was a male in the 20–29 years age group from South Canterbury DHB and was in the Australia during the incubation period.

Toxic shellfish poisoning: One probable case was notified in April 2014. The case was a female in the 70 years and over age group from Auckland DHB. The case had collected and consumed cooked pipis and tuatuas.

Zika virus: 19 cases were notified in April 2014 (1 confirmed, 6 probable, 12 under investigation). Fourteen cases were female and five male. The age range for cases was 15–73 years with the highest number of cases in the 20–29 years age group (8 cases). Cases were distributed by DHB as follows: Auckland (9 cases), Waitemata (5 cases), Counties Manukau (2 cases), and Southern, Taranaki, Waikato (1 case each). All cases were in the Cook Islands during the incubation period.

2. Outbreaks

Table 1. Summary of final outbreaks created in EpiSurv during April 2014

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> ¹	South Canterbury	1	5
<i>Escherichia coli</i> O157:H7 ¹	South Canterbury	1	5
Gastroenteritis ²	Waitemata, Waikato, Taranaki, Hutt Valley, Capital & Coast, Canterbury	6	76
<i>Giardia</i>	Waitemata, Auckland, Waikato, Bay of Plenty	5	17
Influenza A(H1N1) virus ²	Hutt Valley	1	9
Norovirus	Auckland, Bay of Plenty, Taranaki, Canterbury	5	70
<i>Salmonella</i>	Waikato	1	3
Sapovirus	Nelson Marlborough	1	10
Total		20	190

¹ Outbreak involved more than one pathogen therefore individual pathogen outbreak numbers may not sum to group totals.

² Includes outbreaks reported to PHSs prior to April 2014: gastroenteritis (2) reported on March 2014, and influenza A(H1N1) virus reported on February 2014.

Table 2. Summary of interim outbreaks created in EpiSurv during April 2014

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> ¹	Waikato, Whanganui	2	-
Gastroenteritis ¹	Waitemata, Auckland, Counties Manukau, Waikato, Taranaki, MidCentral, Hutt Valley, Capital & Coast, Southern	33	196
<i>Giardia</i> ¹	Waikato	1	-
Influenza virus ¹	Waikato	1	-
Measles virus ¹	Auckland, Counties Manukau	4	2
Norovirus ¹	West Coast, Canterbury	2	34
Total		43	232

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

3. Deaths from notifiable diseases

No deaths, where the primary cause of death was a notifiable disease, were reported in April 2014.

4. Trends in selected diseases to April 2014

Figure 1. Dengue fever notifications by month, January 2009–April 2014

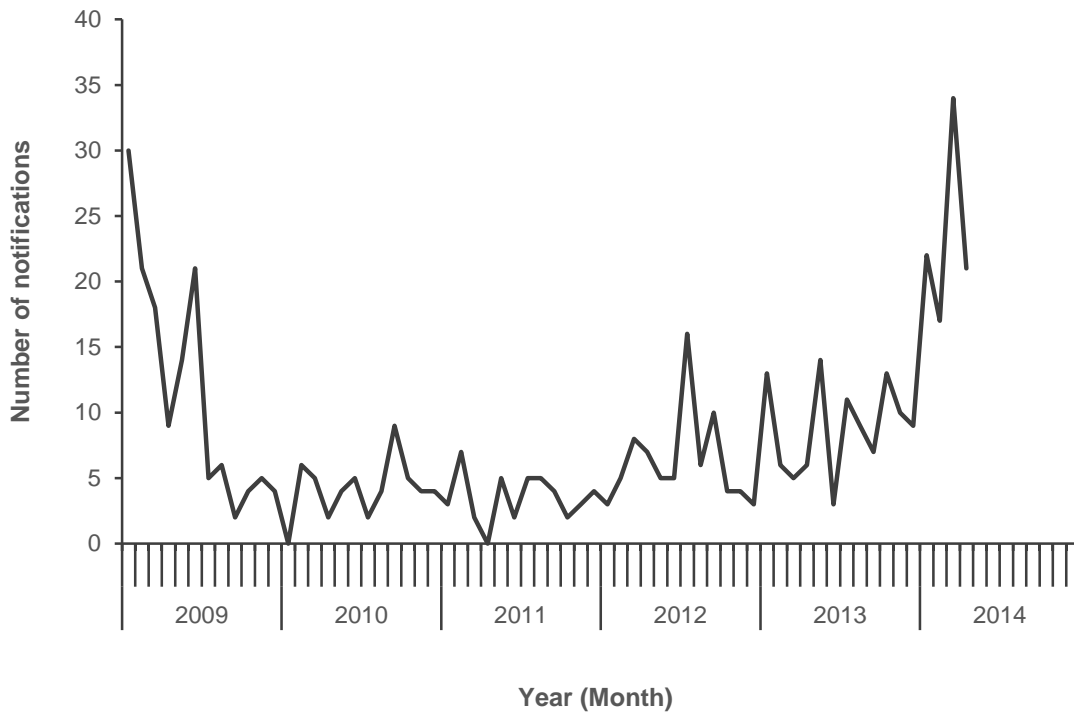
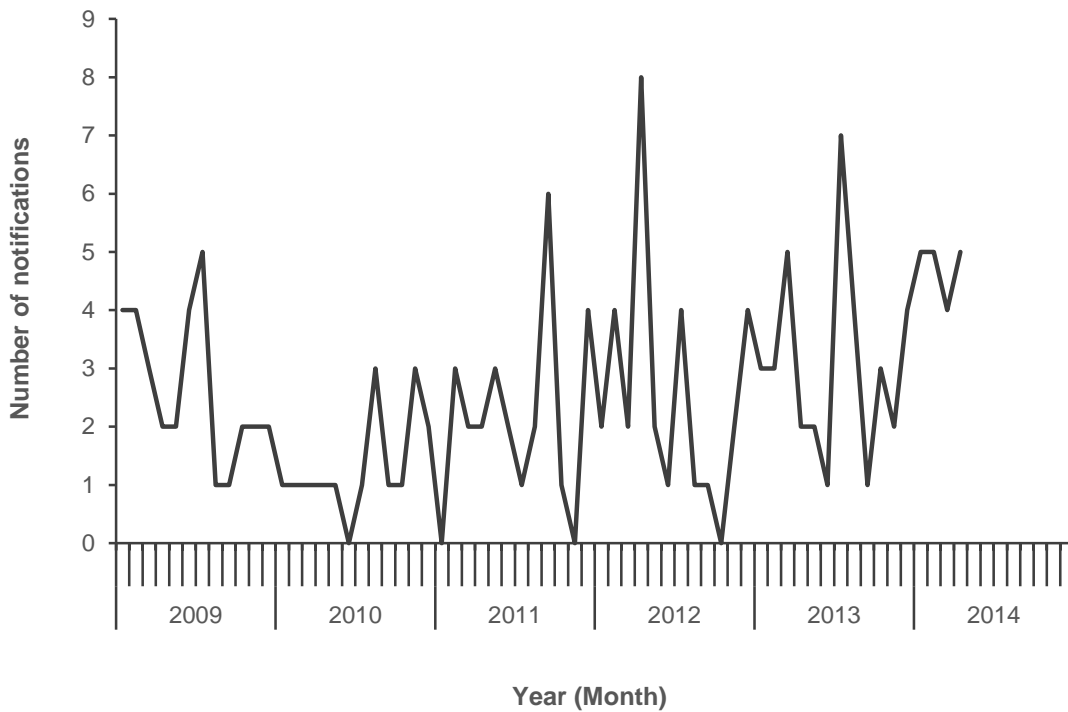


Figure 2. Hepatitis C notifications by month, January 2009–April 2014



5. Data tables

National Notifiable Disease Surveillance Data April 2014

Disease	Current Year - 2014 ¹			Previous Year - 2013		
	April 2014 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	April 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	401	2217	158.7	324	1958	142.3
Cryptosporidiosis	18	100	20.9	129	515	27.9
Dengue fever	21	94	3.8	6	30	1.9
Gastroenteritis ³	39	210	13.3	36	175	15.8
Giardiasis	114	589	38.6	163	593	37.1
<i>Haemophilus influenzae</i> type b	4	6	0.2	0	0	0.1
Hepatitis A	1	39	2.1	18	34	1.3
Hepatitis B ⁴	1	9	0.7	1	6	0.8
Hepatitis C ⁴	5	19	1.0	2	13	0.6
Invasive pneumococcal disease	37	115	10.9	30	107	11.1
Legionellosis	9	40	3.2	8	49	3.1
Leptospirosis	7	16	1.3	6	17	2.1
Listeriosis	3	11	0.4	0	10	0.7
Malaria	2	7	0.8	4	19	1.1
Measles	15	126	3.0	0	1	0.1
Meningococcal disease	2	7	1.2	7	20	1.9
Mumps	1	7	0.4	4	12	0.7
Paratyphoid fever	1	8	0.5	2	10	0.5
Pertussis	88	453	53.0	269	1623	134.5
Rheumatic fever	15	72	4.9	18	55	4.2
Rickettsial disease	0	0	0.2	0	2	0.1
Rubella	1	2	0.1	0	0	0.0
Salmonellosis	52	333	22.7	108	460	25.2
Shigellosis	4	44	2.7	15	62	3.1
Tuberculosis disease	30	122	7.0	17	85	6.4
Typhoid fever	1	20	0.9	3	31	1.4
VTEC/STEC infection	24	79	4.0	44	103	4.2
Yersiniosis	29	152	11.0	32	144	11.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including April 2014) or the previous year (12 months up to and including April 2013), 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: Chikungunya fever (1), Hepatitis NOS (20), Hydatid disease (1), Ross River virus infection (1), Toxic shellfish poisoning (1), Zika virus (19)

Notifiable Disease Surveillance Data by District Health Board April 2014

Disease		Cases ¹ and current rate ² for April 2014 by District Health Board ³																			
		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāhiti	Taranaki	Hawke's Bay	Wanganui	Mid-central	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	10	39	37	35	43	8	19	3	6	14	9	11	10	24	1	18	6	54	11	43
	Rate	137.3	136.4	129.3	110.4	208.4	168.0	145.6	179.9	203.3	212.9	176.3	179.2	115.4	153.0	186.9	147.2	223.6	166.7	338.5	194.3
Cryptosporidiosis	Cases	0	2	0	1	0	1	0	0	2	0	0	1	2	0	0	0	9	0	0	
	Rate	17.6	19.0	15.8	8.7	33.0	27.2	10.8	8.6	26.2	27.7	20.8	18.3	12.5	16.7	19.7	11.3	24.5	35.1	59.6	23.6
Dengue fever	Cases	0	4	5	6	1	0	2	0	0	0	0	0	0	0	1	0	2	0	0	
	Rate	3.8	4.8	10.0	7.4	1.3	3.9	3.3	0.0	0.9	2.6	1.6	0.0	3.5	2.0	2.5	2.1	0.0	2.0	3.5	1.0
Gastroenteritis	Cases	0	3	5	2	3	1	0	0	0	0	12	2	5	0	1	4	0	1		
	Rate	4.4	13.3	15.6	6.4	6.2	9.7	12.2	0.0	7.2	0.0	28.8	54.8	46.6	33.7	12.3	0.7	27.6	5.9	1.8	4.2
Giardiasis	Cases	1	15	16	12	16	8	8	0	1	6	2	0	2	5	0	2	0	12	2	6
	Rate	25.8	37.2	41.7	35.1	46.9	63.1	47.4	30.0	47.0	46.3	20.8	22.4	28.5	47.0	46.7	43.9	27.6	32.7	35.1	35.8
Haemophilus influenzae type b	Cases	0	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	
	Rate	0.0	0.0	0.2	0.0	0.3	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1	0.2	0.0	0.0	0.3
Hepatitis A	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	2.5	2.7	2.1	2.5	0.3	0.0	0.5	0.0	0.0	4.5	0.0	0.6	4.9	0.7	0.0	0.7	0.0	5.9	1.8	1.0
Hepatitis B	Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.9	0.4	0.6	0.6	1.3	0.0	0.5	0.0	0.0	0.0	3.2	0.0	0.7	0.3	0.0	0.0	3.1	1.0	0.0	1.3
Hepatitis C	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
	Rate	1.9	0.2	0.9	0.2	0.0	0.0	0.0	0.0	1.8	0.0	3.2	0.0	2.8	0.3	0.0	0.7	0.0	3.4	0.0	2.3
Invasive pneumococcal	Cases	3	2	3	5	4	3	2	1	1	1	2	2	1	1	1	0	4	0	1	
	Rate	11.3	8.5	9.2	13.2	11.8	27.2	16.0	10.7	9.0	14.2	20.8	11.8	9.0	8.3	12.3	9.9	18.4	8.3	10.5	7.4
Legionellosis	Cases	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	4	0	1	
	Rate	5.7	4.8	1.5	2.7	0.5	1.0	0.9	0.0	1.8	0.6	0.0	3.5	0.7	0.3	0.0	0.7	21.4	10.2	3.5	2.9
Leptospirosis	Cases	0	1	0	1	0	2	0	0	0	0	0	0	0	0	1	0	2	0	0	
	Rate	1.3	0.4	0.2	0.6	0.8	3.9	2.3	0.0	3.6	7.7	0.0	2.9	0.0	0.0	7.4	2.1	3.1	0.8	7.0	0.6
Listeriosis	Cases	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	Rate	0.6	0.5	0.9	0.2	0.0	0.0	0.9	0.0	0.9	0.0	0.0	1.8	0.7	0.7	0.0	0.0	0.0	0.0	0.6	
Malaria	Cases	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
	Rate	0.6	0.7	1.9	1.0	0.5	0.0	0.9	0.0	0.9	0.0	1.6	1.2	2.1	0.3	0.0	0.7	0.0	0.6	0.0	0.0
Measles	Cases	1	5	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	11.7	4.1	4.8	0.0	13.6	0.5	0.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2	0.0	0.0
Meningococcal disease	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
	Rate	1.9	1.1	1.1	2.3	0.8	2.9	0.9	0.0	0.9	2.6	1.6	0.6	0.0	0.7	0.0	0.7	0.0	0.6	3.5	1.9
Mumps	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.3	0.5	0.9	0.4	0.0	0.0	0.9	2.1	0.0	0.6	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.2	1.8	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	Rate	0.0	1.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.3	0.0	0.0	0.8	0.0	1.0	
Pertussis	Cases	2	14	3	12	12	2	2	0	4	1	1	2	4	8	5	1	9	1	5	
	Rate	75.0	35.2	34.2	50.8	47.5	22.3	30.5	55.7	29.8	25.7	17.6	20.6	49.3	52.0	27.1	271.8	153.1	75.5	35.1	46.8
Q fever	Cases	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
Rheumatic fever	Cases	0	1	3	7	2	0	0	0	0	0	0	0	1	0	0	0	0	0	1	
	Rate	10.7	1.6	5.1	14.2	7.2	6.8	5.2	21.4	0.9	3.2	1.6	0.6	5.6	3.3	0.0	0.0	2.4	0.0	0.3	
Rickettsial disease	Cases	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	0.2	0.8	0.0	0.0	0.0	0.9	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	1	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis	Cases	0	7	6	1	4	0	4	0	1	1	1	2	0	5	0	1	0	11	1	7
	Rate	29.6	20.5	22.2	15.3	23.1	14.6	24.4	38.5	11.7	15.4	9.6	17.1	16.0	17.3	24.6	23.4	24.5	28.6	28.1	45.5
Shigellosis	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Rate	1.3	2.1	7.5	5.4	1.9	1.0	0.0	0.0	1.8	0.6	0.0	0.0	0.0	2.0	0.0	0.7	0.0	1.2	5.3	4.8
Tuberculosis disease	Cases	1	2	6	7	4	1	1	0	0	0	1	1	3	1	0	0	1	1	1	0
	Rate	2.5	4.1	12.6	14.5	7.8	4.9	4.2	4.3	3.6	1.9	3.2	6.5	3.5	13.3	7.4	3.5	6.1	4.7	3.5	2.3
Typhoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.9	2.6	2.3	0.3	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.6	0.0	0.0	0.0
VTEC/STEC infection	Cases	1	4	1	6	3	0	2	0	0	1	0	0	2	0	0	0	2	2	0	
	Rate	7.6	4.3	4.3	3.7	7.0	1.0	6.6	2.1	6.3	1.3	3.2	0.6	0.7	1.3	0.0	1.4	6.1	5.3	8.8	3.6
Yersiniosis	Cases	0	3	2	2	2	1	0	0	1	0	0	1	1	5	0	0	1	9	0	1
	Rate	6.9	7.8	12.4	10.3	9.4	24.3	12.7	17.1	7.2	5.1	4.8	8.8	11.8	17.3	2.5	0.7	6.1	20.5	10.5	4.8

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including April 2014 expressed as cases per 100 000

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