

## 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 June 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 (female aged 20-29 years) was notified in May 2012 from Southern DHB. This case has since been made “not a case” after further investigation.
- *Campylobacteriosis*: 520 campylobacteriosis cases were notified in May 2012 compared to 482 cases notified in the same month of the previous year (Figure 1). For the 12 month period ending 31 May 2012, the highest rates were in South Canterbury (278.5 per 100 000 population, 157 cases), Wairarapa (234.1 per 100 000 population, 95 cases), and Hawke's Bay (230.4 per 100 000 population, 359 cases) DHBs compared to a national rate of 170.5 per 100 000. Three *Campylobacter* outbreaks were reported from Waikato DHB in May. Two outbreaks involved a total of 5 cases while the total number of cases for the third outbreak is yet to be finalised.
- *Cholera*: One case of cholera was notified in May 2012. This case has since been made “not a case” after further investigation.
- *Lead absorption*: 47 cases of lead absorption were notified in May 2012 (44 confirmed and 3 under investigation), compared with 20 cases notified the previous month and 19 cases in the same month of the previous year. 45 of the cases were male and two were female. The highest numbers of cases were reported in the Auckland region (37 cases). For cases where age information was available, the majority were aged between 40 and 69 years (70.2%, 33/47). Where information was recorded, 92.3% (24/26) had exposure to lead materials at their place of work.
- *Hydatid disease*: One case of hydatid disease was notified in May 2012 and is currently under investigation. The case is a male in the 70+ years age group and was reported from Southern DHB. The case is not considered to have had a recent exposure to the disease.
- *Rheumatic fever*: 22 cases of rheumatic fever were notified in May 2012, compared to 12 cases during the same month last year. All 22 cases were initial attacks of rheumatic fever. Of the 22 cases, 21 (95.5%) were hospitalised. The majority of cases were notified from the North Island (21/22, 95.5%) with the highest number of cases notified from Counties Manukau (8) and Waikato (5) DHBs. Cases were reported among Māori (14 cases) and Pacific Peoples (7 cases) ethnic groups. Ethnicity was not reported for the remaining case. Most cases (21 cases) were aged between 5 and 14 years.
- *Leptospirosis*: 18 cases of leptospirosis were notified in May 2012 (8 confirmed, 2 probable and 8 under investigation), compared to six cases notified in the same month of the previous year. The following section relates to the 8 confirmed and 2 probable cases only. These cases were from Bay

of Plenty, Canterbury (2 cases each), Counties Manukau, Waikato, Tairāwhiti, MidCentral, West Coast and Southern (1 case each) DHBs. High risk occupations were recorded for seven cases: farmers or farm workers (6 cases) and meat workers (1 case). Of the remaining three cases, one was a home insulation worker exposed to rat urine/faeces and another acquired the disease while in Australia. Risk factor information was unknown for one case. *Leptospira* species and serovars were recorded for six cases: *Leptospira interrogans* sv Pomona (2), and *L. borgpetersenii* sv Hardjo (3), and one sample cross-reacted with both *Leptospira interrogans* sv Pomona and *L. borgpetersenii* sv Hardjo.

- **Pertussis:** 572 cases of pertussis were notified in May 2012, compared with 324 cases notified the previous month and 63 cases in the same month of the previous year. This is the highest monthly notification total recorded since the peak of the 2004/2005 epidemic (613 cases were notified in November 2004). Twenty-four cases were hospitalised. There were 85 (14.9%) cases laboratory-confirmed by isolation of *Bordetella pertussis* from the nasopharynx. A further 155 (27.1%) cases were laboratory-confirmed by PCR. The highest number of cases were from Canterbury DHB (144), followed by Counties Manukau (59), Capital and Coast (55) and Nelson Marlborough (51) DHBs. Cases occurred in all age groups, with 19.4% (111/572 cases) under 5 years old, including 35 cases aged less than 1 year. The highest numbers occurred in the 1-4 years (76), 5-9 years (71), 40-49 years (70), 30-39 and 50-59 years (59 cases each) age groups. The vaccination status was recorded for 266 (46.5%) cases. Of these, 74 were reported as not vaccinated (including two cases aged less than 6 weeks and therefore not eligible for vaccination), four received one dose of vaccine, 22 received three or more doses, including 17 who had received all five doses, and 166 were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 47.6% (172/361) attended school, pre-school or childcare, and 46.8% (89/190) had contact with a laboratory-confirmed pertussis case.
- **Ross River virus infection:** One case of Ross River virus infection was notified in May 2012. The case had been in the Australian outback during the incubation period. Confirmatory laboratory results from a reference laboratory are pending.
- **Shigellosis:** 15 cases of shigellosis were notified in May 2012 compared with 12 cases notified in the previous month and five cases in the same month of the previous year. Cases were from the following DHBs: Capital and Coast (4 cases), Canterbury (3 cases), Auckland and Bay of Plenty (2 cases each), Northland, Waitemata, Waikato and Southern (1 case each). The serotype involved was identified in 13 cases: *Shigella sonnei* biotype a (4), *S. sonnei* biotype g (3 cases), *S. sonnei* biotype f, *S. flexneri*, *S. flexneri* 1, *S. flexneri* 2b, *S. flexneri* 4a, and *S. flexneri* 6 biotype Manchester (1 case each). Overseas travel during the incubation period was recorded for eight cases. Countries visited included India (2 cases), Fiji, Samoa, Vanuatu, Indonesia, South America and Nepal (1 case each).
- **Taeniasis:** Three laboratory confirmed cases of taeniasis were notified in May 2012. Two cases (a male aged 30-39 years, and a female aged 40-49 years) are thought to have contracted their disease in Thailand. The third case, a female aged 15-19 years had been exposed in Africa. All three cases were reported from Counties Manukau DHB.
- **Yersiniosis:** 45 cases of yersiniosis were notified in May 2012, compared to 37 cases notified in the previous month and 22 cases in the same month of the previous year (Figure 2). Waitemata DHB had the highest numbers of cases recorded (13 cases), followed by Waikato (8 cases), Northland (6 cases), Auckland and Counties Manukau (4 cases each) DHBs. Cases occurred in all age groups, with the highest numbers reported in the 1-4 years (8), 20-29 years (7), and 30-39 years (6) age groups. One case was hospitalised. The biotype involved was identified in 37 (82.2%) of the cases: *Yersinia enterocolitica* biotype 4 (21 cases), *Y. enterocolitica* biotype 2 (10), *Y. enterocolitica* biotype 1A (4) and *Y. enterocolitica* biotype 3 (2). Among the cases for which risk factor information was recorded, 40.0% (2/5) consumed food from a food premises, 20.0% (1/5) had contact with faecal material, and 10.0% (1/10) had attended school, pre-school or childcare during the incubation period.

## 2. Outbreaks

Finalised outbreak reports: 21 outbreak reports were created and finalised in EpiSurv during May 2012 (Table 1).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato	2	5
<i>Cryptosporidium</i> <sup>1,2</sup>	Waitemata	2	8
Gastroenteritis <sup>1</sup>	Auckland, Waikato, Capital and Coast, Nelson Marlborough, Canterbury, Southern	7	99
<i>Giardia</i> <sup>1</sup>	Auckland, Waikato	3	10
Norovirus <sup>1</sup>	Nelson Marlborough, Canterbury	4	141
<i>Salmonella</i> <sup>2</sup>	Auckland, MidCentral	2	4
<i>Shigella</i> <sup>1,2</sup>	Counties Manukau	1	2
<b>Total</b>		<b>21</b>	<b>269</b>

<sup>1</sup>Includes outbreaks reported to PHSs prior to May 2012: gastroenteritis (2), *Cryptosporidium* (1), *Giardia* (1), *Shigella* (1) and norovirus (1) all reported in April 2012.

<sup>2</sup>Outbreaks reported with an overseas exposure location: *Cryptosporidium* (2) both from Waitemata DHB (Australia), *Salmonella* (1) from MidCentral (Singapore) and *Shigella* (1) from Counties Manukau (Fiji).

Interim outbreak reports: 35 interim outbreaks were created in EpiSurv during May 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 May 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i> <sup>1</sup>	Waikato	1	-
Gastroenteritis	Auckland, Waikato, Taranaki, MidCentral, Wairarapa	20	24
<i>Giardia</i> <sup>2</sup>	Auckland, Waikato	5	7
Hepatitis A <sup>1,2</sup>	Auckland	1	-
Lead poisoning	Auckland	1	11
<i>Legionella</i> <sup>1,2</sup>	Auckland	1	-
Norovirus	Bay of Plenty	1	-
<i>Salmonella</i> <sup>2</sup>	Counties Manukau, Southern	2	10
<i>Salmonella</i> Typhi <sup>2</sup>	Auckland	1	2
<i>Shigella</i>	Capital and Coast	1	4
<i>Yersinia</i> <sup>1</sup>	Waikato	1	-
<b>Total</b>		<b>35</b>	<b>58</b>

<sup>1</sup>Interim outbreak where total number of cases had not been completed.

<sup>2</sup>Includes outbreaks reported to PHSs prior to May 2012: Hepatitis A and *Legionella* reported in February, *Giardia* (1), *Salmonella* (1) and *S. Typhi* (1) reported in April 2012.

### 3. Deaths from notifiable diseases

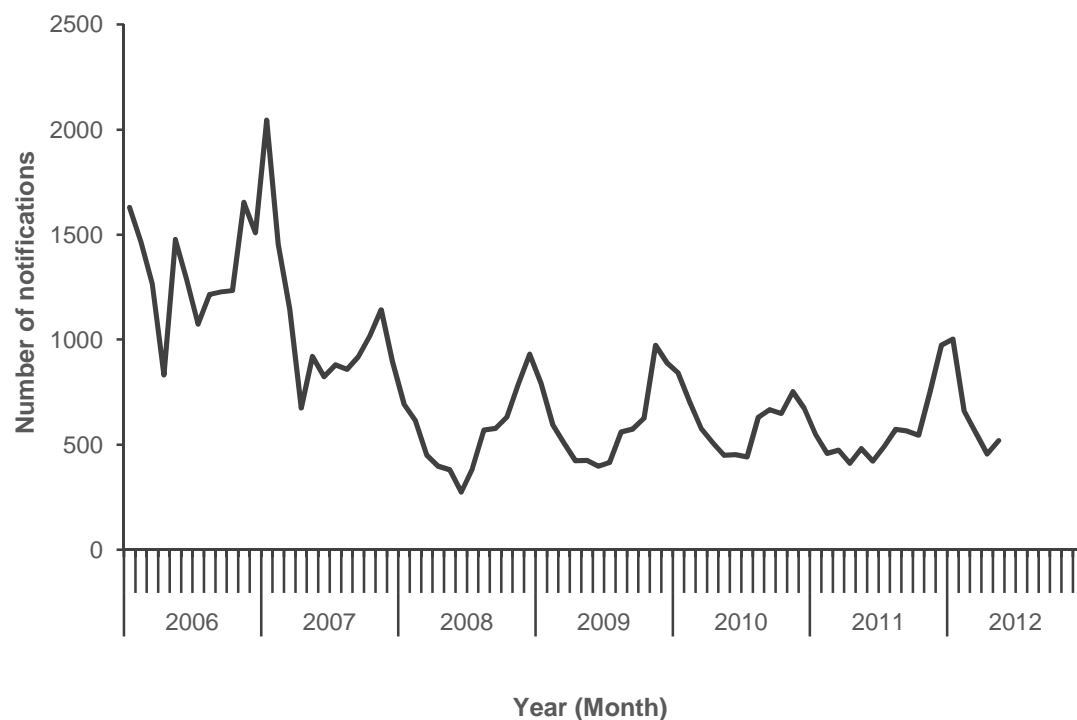
Two deaths, where the primary cause of death was a notifiable disease, were reported in May 2012 (Table 3).

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

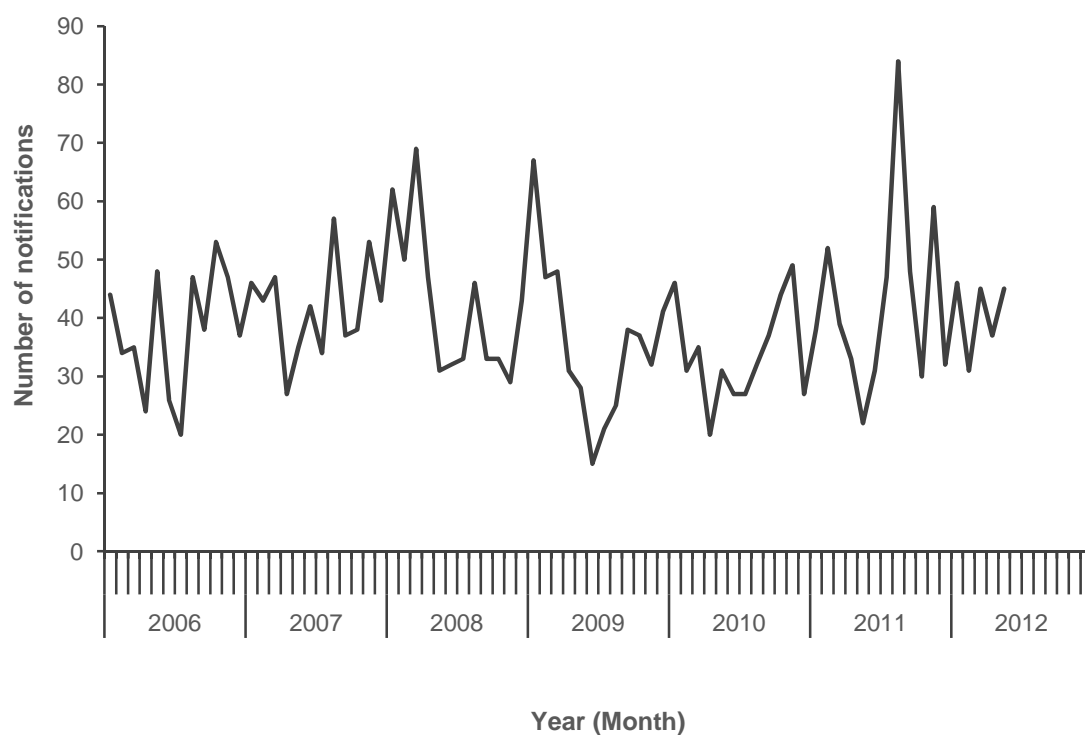
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Invasive pneumococcal disease	Canterbury	70+
Invasive pneumococcal disease	Hawke's Bay	70+

#### 4. Trends in selected diseases to May 2012

**Figure 1: Campylobacter notifications by month, January 2007 – May 2012**



**Figure 2: Yersiniosis notifications by month, January 2007 – May 2012**



## 5. Data tables

### National Notifiable Disease Surveillance Data May 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	May 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	May 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	520	3195	170.5	482	2374	152.1
Cryptosporidiosis	47	203	15.3	36	140	16.3
Dengue fever	6	30	1.2	5	17	1.1
Gastroenteritis <sup>3</sup>	46	254	13.3	75	297	13.7
Giardiasis	160	825	41.3	168	938	45.7
Haemophilus influenzae type b	1	3	0.2	1	2	0.1
Hazardous substances injury	0	6	0.3	0	2	0.1
Hepatitis A	4	62	1.8	0	10	0.7
Hepatitis B <sup>4</sup>	7	21	1.1	3	24	1.3
Hepatitis C <sup>4</sup>	3	20	0.8	4	11	0.5
Invasive pneumococcal disease	30	132	12.3	39	143	11.7
Lead absorption	47	145	5.7	19	123	5.8
Legionellosis	4	73	3.7	8	66	4.3
Leptospirosis	18	54	2.2	6	26	1.5
Listeriosis	2	8	0.5	2	12	0.4
Malaria	1	10	1.0	6	19	1.0
Measles	2	69	13.9	4	54	1.5
Meningococcal disease	5	26	2.6	9	31	2.1
Mumps	3	14	1.0	3	19	0.9
Paratyphoid fever	0	10	0.3	0	8	0.4
Pertussis	572	2141	87.5	63	282	17.2
Rheumatic fever	22	75	4.1	12	59	3.8
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	1	4	0.5	1	6	0.2
Salmonellosis	93	520	22.8	91	572	28.0
Shigellosis	15	70	3.0	5	41	2.3
Tuberculosis disease	31	131	6.7	30	144	7.4
Typhoid fever	3	17	0.9	1	21	0.8
VTEC/STEC infection	10	72	2.8	17	101	4.0
Yersiniosis	45	204	12.1	22	183	9.8

<sup>1</sup> These data are provisional

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

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

Other notifiable infectious disease reported in May: Brucellosis (1), Cholera (1), Hydatid disease (1), Ross River virus infection (1), Taeniasis (3).

## Notifiable Disease Surveillance Data by District Health Board May 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for May 2012 by District Health Board <sup>3</sup>																			
		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
Disease	Cases	11	42	33	32	41	12	18	0	20	23	1	11	11	33	3	35	7	112	11	64
	Rate	156.2	158.7	128.8	108.0	200.7	155.3	139.7	139.5	188.4	230.4	145.9	142.6	159.9	189.4	234.1	190.9	203.3	217.4	278.5	210.8
Cryptosporidiosis	Cases	2	4	2	5	2	2	0	0	0	1	0	1	8	9	1	0	0	7	1	2
	Rate	20.9	8.1	6.4	8.4	35.9	19.4	9.0	4.3	18.2	12.8	9.5	16.0	22.1	20.7	34.5	10.0	15.2	11.5	53.2	21.2
Dengue fever	Cases	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.6	3.3	1.8	0.8	1.0	1.4	2.1	0.0	0.0	0.0	3.0	0.7	1.4	0.0	0.0	3.0	0.0	0.0	1.0
Gastroenteritis	Cases	0	4	13	3	6	1	0	0	2	0	2	4	1	3	1	0	0	5	0	1
	Rate	0.0	12.8	16.6	7.6	9.2	13.6	19.3	6.4	10.9	1.3	17.4	49.9	29.8	29.9	2.5	6.4	0.0	9.7	1.8	3.6
Giardiasis	Cases	4	26	17	12	21	8	13	1	3	1	0	2	1	7	2	10	0	10	4	18
	Rate	35.4	42.0	54.5	29.2	44.6	51.5	53.3	23.6	30.0	39.8	14.3	22.0	29.8	55.3	46.8	66.5	51.6	35.2	53.2	38.2
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	0.0	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	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	5.9	4.2	3.0	0.5	0.0	0.9	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	1	1	0	3	0	0	0	0	0	0	0	0	1	0	0	0	1
	Rate	1.3	0.7	0.9	1.2	0.3	4.9	3.3	10.7	0.9	1.3	0.0	1.8	2.1	0.0	0.0	1.4	0.0	0.4	0.0	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
	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	1.0	0.0	2.1	0.0	1.6	1.8	4.2
Invasive pneumococcal	Cases	0	4	3	0	6	3	3	0	1	2	0	1	1	1	0	1	0	2	0	2
	Rate	16.4	10.6	13.1	15.0	13.3	25.2	15.6	6.4	6.4	15.4	6.3	11.3	11.1	7.8	22.2	11.4	0.0	11.3	14.2	9.1
Lead absorption	Cases	0	7	23	7	0	0	1	0	1	1	1	2	0	2	0	0	0	1	0	1
	Rate	0.6	4.6	13.8	6.8	2.7	3.9	1.9	12.9	3.6	4.5	19.0	5.3	11.1	5.4	4.9	3.6	6.1	2.6	8.9	4.6
Legionellosis	Cases	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
	Rate	5.7	4.4	4.4	1.8	1.6	0.0	0.9	0.0	1.8	1.3	0.0	3.0	0.7	1.7	0.0	5.0	3.0	11.9	1.8	3.3
Leptospirosis	Cases	0	0	0	1	1	1	3	1	0	4	1	2	0	0	0	0	1	2	0	1
	Rate	1.9	0.7	0.4	0.6	3.8	1.0	2.4	8.6	2.7	10.3	12.7	4.8	0.7	0.3	2.5	2.9	12.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.2	1.4	0.5	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.4	0.0	0.7
Malaria	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.6	1.6	0.8	0.0	0.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	0.7	0.0	0.6	0.0	0.3
Measles	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	8.2	32.4	46.4	19.8	8.4	4.9	3.3	6.4	1.8	7.1	0.0	0.6	0.7	4.8	2.5	0.7	3.0	2.8	1.8	5.9
Meningococcal disease <sup>5</sup>	Cases	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0
	Rate	9.5	2.0	1.8	3.2	3.8	2.9	1.4	2.1	6.4	2.6	1.6	1.8	2.8	2.0	2.5	1.4	3.0	1.6	0.0	2.0
Mumps	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.6	0.4	1.1	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	1.8	0.0	0.7
Paratyphoid fever	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	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	8	30	26	59	17	7	20	10	8	22	8	17	28	55	5	51	29	144	4	24
	Rate	29.7	24.4	26.5	34.6	35.9	43.7	35.9	227.5	33.7	112.3	23.8	38.6	184.8	153.1	78.9	565.4	937.5	146.6	69.2	34.3
Rheumatic fever	Cases	3	1	1	8	5	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	13.9	1.6	3.9	9.8	4.6	6.8	4.2	21.5	0.9	2.6	3.2	6.5	4.8	3.4	0.0	2.1	0.0	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	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	0.0	0.7
Salmonellosis	Cases	1	7	14	12	9	2	4	0	3	4	0	3	3	0	0	5	1	11	1	13
	Rate	17.1	20.7	22.6	13.2	29.9	30.1	14.2	17.2	18.2	17.3	11.1	17.8	21.5	17.6	14.8	29.3	12.1	26.3	56.8	43.7
Shigellosis	Cases	1	1	2	0	1	0	2	0	0	0	0	0	0	4	0	0	0	3	0	1
	Rate	1.3	4.6	5.9	4.6	1.9	1.9	4.2	2.1	1.8	0.6	1.6	0.0	0.0	3.7	0.0	0.0	0.0	2.4	1.8	2.0
Tuberculosis disease	Cases	0	3	7	5	3	0	2	0	1	3	0	0	0	3	0	1	0	2	0	1
	Rate	1.3	6.4	15.3	9.4	4.1	2.9	7.6	2.1	1.8	10.3	3.2	8.3	3.5	10.2	0.0	5.7	3.0	3.8	1.8	2.6
Typhoid fever	Cases	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.2	2.8	1.6	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	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	2	1	1
	Rate	7.6	1.5	1.5	1.4	4.9	2.9	7.1	4.3	5.5	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	3.8	10.6	2.9
Yersiniosis	Cases	6	13	4	4	8	0	0	2	0	1	0	0	1	2	0	0	0	3	0	1
	Rate	8.2	14.7	14.9	11.6	25.0	17.5	8.5	12.9	10.9	8.3	7.9	1.8	16.6	14.3	4.9	3.6	12.1	10.7	12.4	3.6

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including May 2012 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health

# Notifiable Disease Surveillance Data by District Health Board May 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for May 2012 by District Health Board <sup>3</sup>																			
		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
Disease	Cases	11	42	33	32	41	12	18	0	20	23	1	11	11	33	3	35	7	112	11	64
	Rate	156.2	158.7	128.8	108.0	200.7	155.3	139.7	139.5	188.4	230.4	145.9	142.6	159.9	189.4	234.1	190.9	203.3	217.4	278.5	210.8
Cryptosporidiosis	Cases	2	4	2	5	2	2	0	0	0	1	0	1	8	9	1	0	0	7	1	2
	Rate	20.9	8.1	6.4	8.4	35.9	19.4	9.0	4.3	18.2	12.8	9.5	16.0	22.1	20.7	34.5	10.0	15.2	11.5	53.2	21.2
Dengue fever	Cases	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	1.6	3.3	1.8	0.8	1.0	1.4	2.1	0.0	0.0	0.0	3.0	0.7	1.4	0.0	0.0	3.0	0.0	0.0	1.0
Gastroenteritis	Cases	0	4	13	3	6	1	0	0	2	0	2	4	1	3	1	0	0	5	0	1
	Rate	0.0	12.8	16.6	7.6	9.2	13.6	19.3	6.4	10.9	1.3	17.4	49.9	29.8	29.9	2.5	6.4	0.0	9.7	1.8	3.6
Giardiasis	Cases	4	26	17	12	21	8	13	1	3	1	0	2	1	7	2	10	0	10	4	18
	Rate	35.4	42.0	54.5	29.2	44.6	51.5	53.3	23.6	30.0	39.8	14.3	22.0	29.8	55.3	46.8	66.5	51.6	35.2	53.2	38.2
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	0.0	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	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	5.9	4.2	3.0	0.5	0.0	0.9	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	1	1	0	3	0	0	0	0	0	0	0	0	1	0	0	0	1
	Rate	1.3	0.7	0.9	1.2	0.3	4.9	3.3	10.7	0.9	1.3	0.0	1.8	2.1	0.0	0.0	1.4	0.0	0.4	0.0	0.3
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
	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	1.0	0.0	2.1	0.0	1.6	1.8	4.2
Invasive pneumococcal disease	Cases	0	4	3	0	6	3	3	0	1	2	0	1	1	1	0	1	0	2	0	2
	Rate	16.4	10.6	13.1	15.0	13.3	25.2	15.6	6.4	6.4	15.4	6.3	11.3	11.1	7.8	22.2	11.4	0.0	11.3	14.2	9.1
Lead absorption	Cases	0	7	23	7	0	0	1	0	1	1	1	2	0	2	0	0	0	1	0	1
	Rate	0.6	4.6	13.8	6.8	2.7	3.9	1.9	12.9	3.6	4.5	19.0	5.3	11.1	5.4	4.9	3.6	6.1	2.6	8.9	4.6
Legionellosis	Cases	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
	Rate	5.7	4.4	4.4	1.8	1.6	0.0	0.9	0.0	1.8	1.3	0.0	3.0	0.7	1.7	0.0	5.0	3.0	11.9	1.8	3.3
Leptospirosis	Cases	0	0	0	1	1	1	3	1	0	4	1	2	0	0	0	0	1	2	0	1
	Rate	1.9	0.7	0.4	0.6	3.8	1.0	2.4	8.6	2.7	10.3	12.7	4.8	0.7	0.3	2.5	2.9	12.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.2	1.4	0.5	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.3	0.0	0.0	3.0	0.4	0.0	0.7
Malaria	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.1	2.6	1.6	0.8	0.0	0.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	0.7	0.0	0.6	0.0	0.3
Measles	Cases	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	8.2	32.4	46.4	19.8	8.4	4.9	3.3	6.4	1.8	7.1	0.0	0.6	0.7	4.8	2.5	0.7	3.0	2.8	1.8	5.9
Meningococcal disease	Cases	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0
	Rate	9.5	2.0	1.8	3.2	3.8	2.9	1.4	2.1	6.4	2.6	1.6	1.8	2.8	2.0	2.5	1.4	3.0	1.6	0.0	2.0
Mumps	Cases	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.6	0.4	1.1	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	1.8	0.0	0.7
Paratyphoid fever	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	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	8	30	26	59	17	7	20	10	8	22	8	17	28	55	5	51	29	144	4	24
	Rate	29.7	24.4	26.5	34.6	35.9	43.7	35.9	227.5	33.7	112.3	23.8	38.6	184.8	153.1	78.9	565.4	937.5	146.6	69.2	34.3
Rheumatic fever	Cases	3	1	1	8	5	0	1	1	0	0	0	0	0	1	0	0	0	1	0	0
	Rate	13.9	1.6	3.9	9.8	4.6	6.8	4.2	21.5	0.9	2.6	3.2	6.5	4.8	3.4	0.0	2.1	0.0	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	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	0.0	0.7
Salmonellosis	Cases	1	7	14	12	9	2	4	0	3	4	0	3	3	0	0	5	1	11	1	13
	Rate	17.1	20.7	22.6	13.2	29.9	30.1	14.2	17.2	18.2	17.3	11.1	17.8	21.5	17.6	14.8	29.3	12.1	26.3	56.8	43.7
Shigellosis	Cases	1	1	2	0	1	0	2	0	0	0	0	0	0	4	0	0	0	3	0	1
	Rate	1.3	4.6	5.9	4.6	1.9	1.9	4.2	2.1	1.8	0.6	1.6	0.0	0.0	3.7	0.0	0.0	0.0	2.4	1.8	2.0
Tuberculosis disease	Cases	0	3	7	5	3	0	2	0	1	3	0	0	0	3	0	1	0	2	0	1
	Rate	1.3	6.4	15.3	9.4	4.1	2.9	7.6	2.1	1.8	10.3	3.2	8.3	3.5	10.2	0.0	5.7	3.0	3.8	1.8	2.6
Typhoid fever	Cases	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.2	2.8	1.6	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	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	2	1	1
	Rate	7.6	1.5	1.5	1.4	4.9	2.9	7.1	4.3	5.5	2.6	0.0	0.6	0.7	0.0	0.0	2.9	6.1	3.8	10.6	2.9
Yersiniosis	Cases	6	13	4	4	8	0	0	2	0	1	0	0	1	2	0	0	0	3	0	1
	Rate	8.2	14.7	14.9	11.6	25.0	17.5	8.5	12.9	10.9	8.3	7.9	1.8	16.6	14.3	4.9	3.6	12.1	10.7	12.4	3.6

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including May 2012 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health



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

Disease	Cases for the 12 months ending May 2012 <sup>1 2</sup> 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	Southern
Campylobacteriosis	7512	247	866	588	540	738	160	296	65	207	359	92	240	231	558	95	267	67	1093	157	646
Cryptosporidiosis	673	33	44	29	42	132	20	19	2	20	20	6	27	32	61	14	14	5	58	30	65
Dengue fever	55	0	9	15	9	3	1	3	1	0	0	0	5	1	4	0	0	1	0	0	3
Gastroenteritis	587	0	70	76	38	34	14	41	3	12	2	11	84	43	88	1	9	0	49	1	11
Giardiasis	1821	56	229	249	146	164	53	113	11	33	62	9	37	43	163	19	93	17	177	30	117
Haemophilus influenzae type b	9	1	0	0	1	0	1	2	0	1	0	0	0	0	1	0	0	0	1	1	0
Hepatitis A	78	1	32	19	15	2	0	2	0	0	2	0	0	0	2	0	2	0	1	0	0
Hepatitis B	48	2	4	4	6	1	5	7	5	1	2	0	3	3	0	0	2	0	2	0	1
Hepatitis C	36	0	0	3	2	0	0	0	0	1	2	0	0	0	3	0	3	0	8	1	13
Invasive pneumococcal disease	541	26	58	60	75	49	26	33	3	7	24	4	19	16	23	9	16	0	57	8	28
Lead absorption	252	1	25	63	34	10	4	4	6	4	7	12	9	16	16	2	5	2	13	5	14
Legionellosis	164	9	24	20	9	6	0	2	0	2	2	0	5	1	5	0	7	1	60	1	10
Leptospirosis	97	3	4	2	3	14	1	5	4	3	16	8	8	1	1	1	4	4	10	2	3
Listeriosis	22	1	2	1	7	2	0	0	0	1	2	0	0	0	1	0	0	1	2	0	2
Malaria	43	2	6	12	8	3	0	2	0	2	2	0	0	0	1	0	1	0	3	0	1
Measles	612	13	177	212	99	31	5	7	3	2	11	0	1	1	14	1	1	1	14	1	18
Meningococcal disease	114	15	11	8	16	14	3	3	1	7	4	1	3	4	6	1	2	1	8	0	6
Mumps	46	1	2	5	4	1	0	2	0	2	1	1	1	1	3	0	11	0	9	0	2
Paratyphoid fever	14	0	2	5	2	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	1
Pertussis	3856	47	133	121	173	132	45	76	106	37	175	15	65	267	451	32	791	309	737	39	105
Rheumatic fever	180	22	9	18	49	17	7	9	10	1	4	2	11	7	10	0	3	0	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	0
Rubella	21	2	3	6	1	0	0	0	0	0	0	0	0	1	1	0	0	0	5	0	2
Salmonellosis	1004	27	113	103	66	110	31	30	8	20	27	7	30	31	52	6	41	4	132	32	134
Shigellosis	130	2	25	27	23	7	2	9	1	2	1	1	0	0	11	0	0	0	12	1	6
Tuberculosis disease	295	2	35	70	47	15	3	16	1	2	16	2	14	5	30	0	8	1	19	1	8
Typhoid fever	41	0	12	13	8	0	0	2	1	0	1	0	1	1	0	0	0	0	2	0	0
VTEC/STEC infection	124	12	8	7	7	18	3	15	2	6	4	0	1	1	0	0	4	2	19	6	9
Yersiniosis	535	13	80	68	58	92	18	18	6	12	13	5	3	24	42	2	5	4	54	7	11
Total	18929	538	1986	1811	1489	1598	402	718	239	388	760	176	567	730	1548	183	1289	420	2548	323	1216

<sup>1</sup> These data are provisional

<sup>2</sup> Further data are available from the local Medical Officer of Health

# National Notifiable Disease Surveillance Data May 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	May 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	May 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	520	3195	170.5	482	2374	152.1
Cryptosporidiosis	47	203	15.3	36	140	16.3
Dengue fever	6	30	1.2	5	17	1.1
Gastroenteritis <sup>3</sup>	46	254	13.3	75	297	13.7
Giardiasis	160	825	41.3	168	938	45.7
Haemophilus influenzae type b	1	3	0.2	1	2	0.1
Hazardous substances injury	0	6	0.3	0	2	0.1
Hepatitis A	4	62	1.8	0	10	0.7
Hepatitis B <sup>4</sup>	7	21	1.1	3	24	1.3
Hepatitis C <sup>4</sup>	3	20	0.8	4	11	0.5
Invasive pneumococcal disease	30	132	12.3	39	143	11.7
Lead absorption	47	145	5.7	19	123	5.8
Legionellosis	4	73	3.7	8	66	4.3
Leptospirosis	18	54	2.2	6	26	1.5
Listeriosis	2	8	0.5	2	12	0.4
Malaria	1	10	1.0	6	19	1.0
Measles	2	69	13.9	4	54	1.5
Meningococcal disease	5	26	2.6	9	31	2.1
Mumps	3	14	1.0	3	19	0.9
Paratyphoid fever	0	10	0.3	0	8	0.4
Pertussis	572	2141	87.5	63	282	17.2
Rheumatic fever	22	75	4.1	12	59	3.8
Rickettsial disease	0	0	0.1	0	1	0.3
Rubella	1	4	0.5	1	6	0.2
Salmonellosis	93	520	22.8	91	572	28.0
Shigellosis	15	70	3.0	5	41	2.3
Tuberculosis disease	31	131	6.7	30	144	7.4
Typhoid fever	3	17	0.9	1	21	0.8
VTEC/STEC infection	10	72	2.8	17	101	4.0
Yersiniosis	45	204	12.1	22	183	9.8

<sup>1</sup> These data are provisional

<sup>2</sup> Rate is based on the cumulative total for the current year (12 months up to and including May 2012) or the previous year

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

Other notifiable infectious disease reported in May: Brucellosis (1), Cholera (1), Hydatid disease (1), Ross River virus infection (1), Taeniasis (3).