

## 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 March 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 50-59 years) was notified in February 2012 from Lakes DHB. The case is still under investigation awaiting further laboratory results but has a more likely alternative diagnosis.
- *Campylobacteriosis*: 659 campylobacteriosis cases were notified in February 2012 compared to 458 cases notified in the same month of the previous year. For the 12 month period ending 29 February 2012, the highest incidence rates were reported from Wairarapa (234.2 per 100 000 population, 95 cases), South Canterbury (222.7 per 100 000 population, 126 cases), and Hawke's Bay (207.6 per 100 000 population, 322 cases) DHBs compared to a national rate of 166.7 per 100 000 population.
- *Hepatitis A*: 19 cases of hepatitis A were notified in February 2012 compared to 5 cases in the same month of the previous year. Ethnicity was reported in 11 cases (57.9%) as Asian (7 cases), Pacific Peoples (2 cases), European (2 cases) and ethnicity is unknown for the remaining 8 cases. Cases were predominantly from the Auckland region (89.5%, 17/19 cases). Cases were aged between three and 67 years with eleven cases under the age of 16 years. Five cases reported overseas travel during the incubation period; three in India, one in Fiji, and one in the USA.
- *Lead absorption*: 42 cases of lead absorption were notified in February 2012 (34 confirmed, 8 under investigation), compared with 16 cases notified the previous month and 32 cases in the same month of the previous year. 39 of the cases were male, two female, and the sex of one case was unknown. The highest numbers of cases were reported in Auckland (18 cases) and Hutt Valley (9 cases) DHBs. For cases where age information was available, the majority were aged between 40 and 59 years (66.7%, 26/39). Where information was recorded, 90.9% (20/22) had exposure to lead materials at their place of work.

- *Measles*: 21 cases of measles were notified in February 2012 (14 confirmed, 2 probable, 5 under investigation), compared to 34 cases notified in the previous month and 17 cases in the same month of the previous year. The remainder of this section relates to the 14 confirmed and two probable cases only. The highest number of cases was reported in Counties Manukau DHB (8) followed by Canterbury and Waitemata (3 cases each), and Auckland and Northland (1 case each) DHBs. Cases were distributed by age group as follows: less than 15 months (6), 15 months-3 years (4), 4-9 years (2), 10-19 years (2), 20-29 years and 30-39 years (1 each). There were three hospitalisations reported. Of the 15 cases where vaccination status was recorded, 12 cases were not vaccinated, including five cases aged less than 1 year. Three cases had been vaccinated against measles with one case reporting having received two doses of vaccine, and three cases having received only one dose.
- *Paratyphoid fever*: Seven cases of paratyphoid fever were notified in February 2012, compared with no cases notified the previous month and 4 cases in the same month of the previous year. The highest number of cases was reported in Auckland (4), followed by Canterbury, Hawke's Bay, and Waitemata (1 case each) DHBs. Of the four cases where ethnicity information was available, 75% (3/4) were of Asian ethnicity. Four cases had travelled overseas during the incubation period; two in India, one in Indonesia, and one in the USA. Three cases were hospitalised.
- *Pertussis*: 470 cases of pertussis were notified in February 2012 (179 confirmed, 198 probable, 12 suspect, and 81 under investigation), compared with 420 cases notified the previous month and 73 cases in the same month of the previous year. The remainder of this section relates to the 179 confirmed and 198 probable cases only. The highest number of cases was reported in Canterbury DHB (84), followed by Capital and Coast (55), Nelson Marlborough (54), and Hutt Valley (37) DHBs. Cases occurred in all age groups, with 27.9% (105/377 cases) under 5 years old, including 27 cases aged less than 1 year. The highest numbers occurred in the 1-4 years (78), 40-49 years (53) and 30-39 years (42) age groups. The vaccination status was recorded for 238 (58.6%) of the cases. Of these, 76 were reported as not vaccinated (including three cases aged less than 6 weeks and therefore not eligible for vaccination), 15 received one dose of vaccine, 4 received two doses, 102 received three or more doses, and 41 were reported as having been vaccinated but no dose information was available. Of the cases where relevant information was recorded, 39.2% (94/240) attended school, pre-school or childcare, and 52.0% (90/173) had contact with a laboratory-confirmed pertussis case.
- *Rheumatic fever*: 18 cases of rheumatic fever were notified in February 2012, compared to 12 cases during the same month last year. 14 cases were initial attacks of rheumatic fever, and 4 were recurrent attacks. Of the 18 cases, 14 were hospitalised. All cases were notified from the North Island with the highest number of cases notified from Counties Manukau (10), Waitemata (3) and Northland (2) DHBs. Cases were only reported among Pacific Peoples (10 cases), and Māori (8 cases). The highest numbers of cases (7 cases) were in the 10 and 14 years age group.
- *VTEC/STEC infection*: 12 cases of VTEC/STEC infection were notified in February 2012, compared to 23 cases notified in the same month of the previous year. The highest numbers of cases were reported in Bay of Plenty (3 cases) and Waikato (3 cases) DHBs. The cases were aged between 1-4 years and 70+ years, with the highest number of cases in the 1-4 years age group (6 cases). 6 cases were hospitalised. *Escherichia coli* O157:H7 was isolated in six cases. Among the cases for which risk factor information was recorded, 71.4% (5/7) cases had contact with animals, 60.0% (3/5) had contact with pets, 42.9% (3/7) had recreational contact with water, and 25% (3/12) had used a public pool.

## 2. Outbreaks

Finalised outbreak reports: 12 outbreak reports were created and finalised in EpiSurv during February 2012 (Table 1).

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

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Waikato	2	6
<i>Campylobacter</i>	Waikato	1	4
Gastroenteritis	Auckland, Canterbury	2	12
<i>Giardia</i>	Waitemata, Auckland, Waikato, Lakes	4	19
<i>Salmonella</i>	Auckland, Waikato	2	4
<i>Shigella</i> <sup>1</sup>	Auckland	1	2
<b>Total</b>		<b>12</b>	<b>47</b>

<sup>1</sup>Outbreak reported in Auckland DHB had an overseas exposure location (Samoa).

Interim outbreak reports: 22 interim outbreaks were created in EpiSurv during February 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 February 2012**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Southern	1	3
Gastroenteritis	Waitemata, Auckland, Hawke's Bay, MidCentral, Capital and Coast	14	47
Norovirus <sup>1</sup>	Waitemata, Auckland, Hawke's Bay, Southern	4	21
<i>Salmonella</i> <sup>2</sup>	Waikato	1	-
<i>Shigella</i> <sup>2</sup>	Waitemata	1	-
<i>Yersinia</i> <sup>2</sup>	Waikato	1	-
<b>Total</b>		<b>22</b>	<b>71</b>

<sup>1</sup>Includes one outbreak reported to PHSs prior to February 2012, reported in January 2012.

<sup>2</sup>Interim outbreak where total number of cases had not been completed.

## 3. Deaths from notifiable diseases

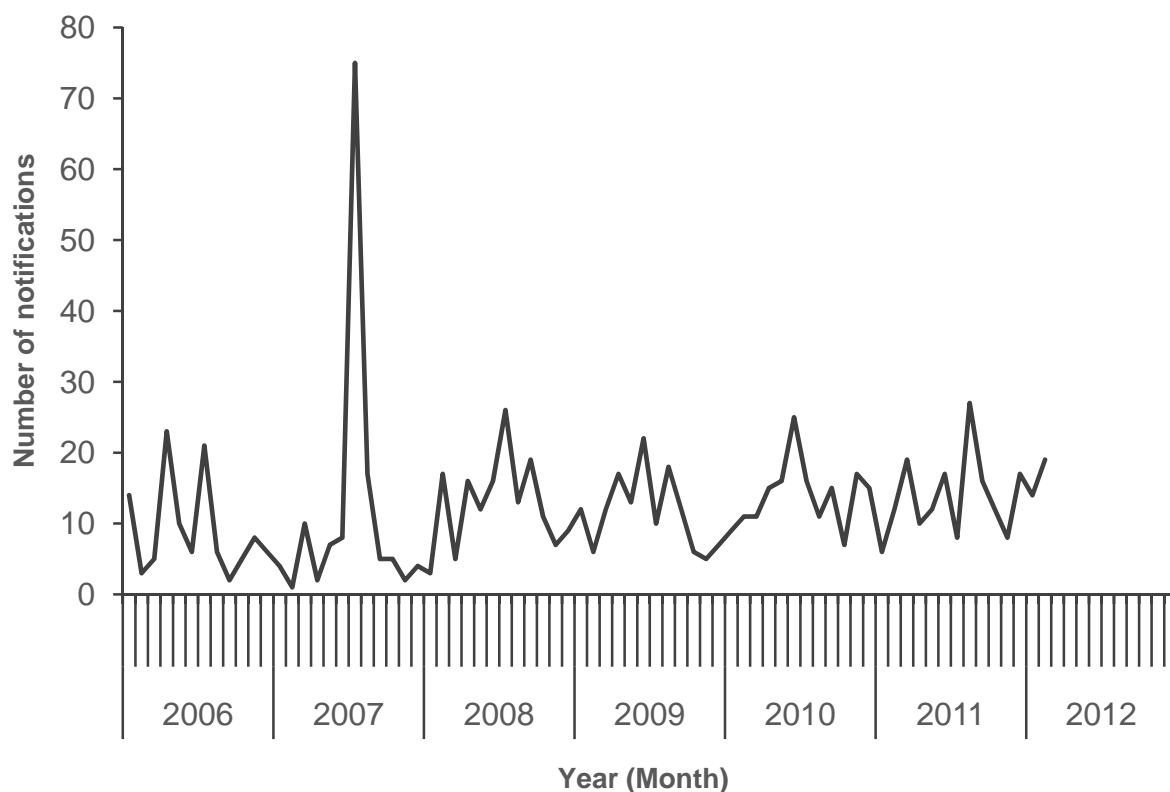
One death, where the primary cause of death was a notifiable disease, were reported in February 2012 (Table 3).

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

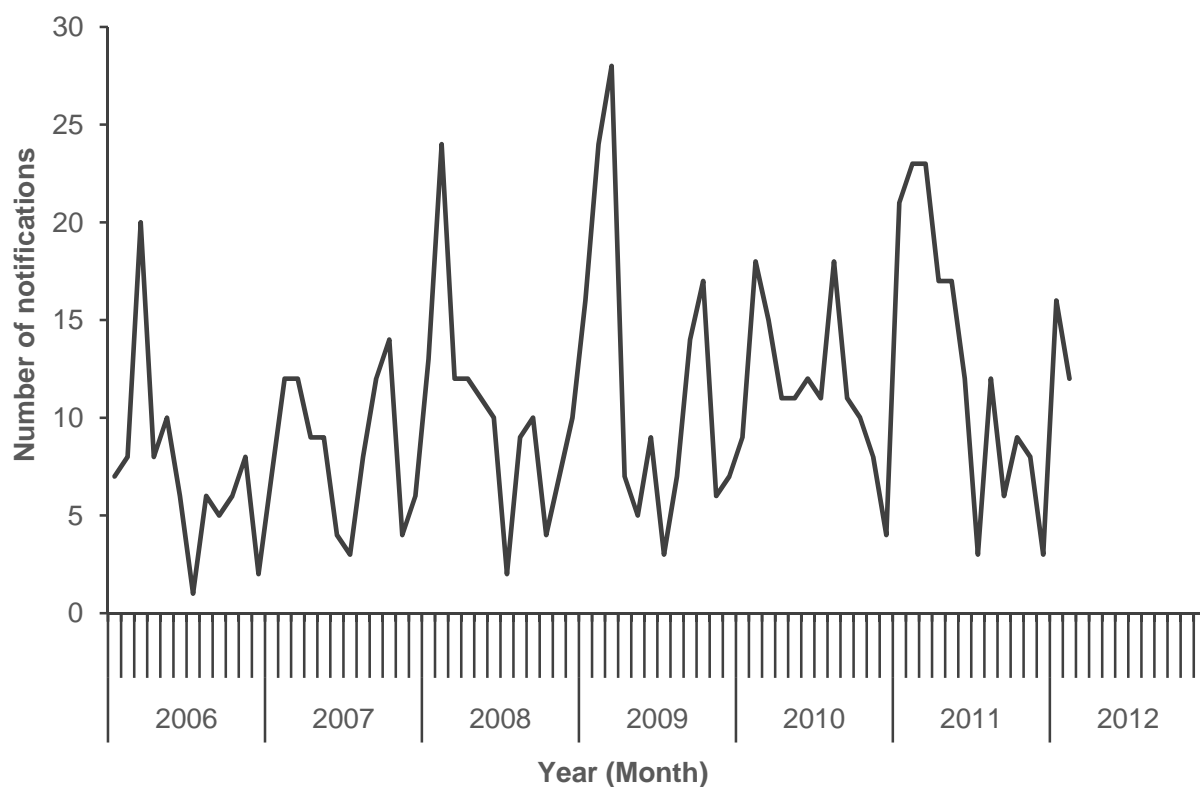
Disease	District Health Board	Age group (years)
Legionellosis	Waitemata	70+

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

**Figure 2: Rheumatic fever notifications by month, January 2006 – February 2012**



**Figure 1: VTEC/STEC infection notifications by month, January 2006 – February 2012**



## 5. Data tables

### National Notifiable Disease Surveillance Data February 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	February 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	February 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	659	1661	166.7	458	1007	155.9
Cryptosporidiosis	28	63	14.0	25	56	20.2
Dengue fever	6	10	1.0	7	10	1.2
Gastroenteritis <sup>3</sup>	40	91	13.9	65	106	11.8
Giardiasis	175	340	42.5	231	402	47.0
Haemophilus influenzae type b	0	1	0.2	0	0	0.1
Hepatitis A	19	22	0.9	5	8	1.1
Hepatitis B <sup>4</sup>	5	8	1.2	4	7	1.1
Hepatitis C <sup>4</sup>	5	7	0.7	3	3	0.4
Invasive pneumococcal disease	19	42	12.5	16	45	12.4
Lead absorption	42	58	5.4	32	48	5.7
Legionellosis	16	36	3.5	25	41	4.3
Leptospirosis	6	21	1.9	5	6	1.5
Listeriosis	1	5	0.6	3	6	0.4
Malaria	2	4	1.0	4	10	0.9
Measles	21	55	14.2	17	27	1.7
Meningococcal disease	4	11	2.7	5	9	2.2
Mumps	3	7	1.2	5	6	0.9
Paratyphoid fever	7	7	0.3	4	4	0.4
Pertussis	470	890	62.7	73	128	18.6
Rheumatic fever	18	32	4.0	12	18	3.8
Rickettsial disease	0	0	0.1	1	1	0.3
Rubella	1	1	0.5	1	2	0.1
Salmonellosis	112	244	23.9	121	245	26.7
Shigellosis	13	25	2.4	11	19	2.5
Tuberculosis disease	29	53	7.1	22	52	6.9
Typhoid fever	3	7	1.1	2	5	0.5
VTEC/STEC infection	12	28	3.1	23	44	3.5
Yersiniosis	32	79	11.4	52	90	9.6

<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 February 2012) or the

<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 February: Brucellosis (1)

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

		Cases <sup>1</sup> and current rate <sup>2</sup> for February 2012 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Manungui	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	24	81	35	46	55	11	19	7	17	19	16	19	16	48	9	27	4	129	21	56
	Rate	155.5	159.0	125.1	110.6	199.9	145.6	142.5	148.1	166.6	218.2	149.0	148.5	166.1	193.1	248.9	163.0	188.1	205.7	260.7	196.8
Cryptosporidiosis	Cases	0	3	4	2	1	1	0	0	0	2	0	0	0	8	0	0	0	7	0	0
	Rate	17.7	7.9	7.2	7.4	36.7	16.5	9.4	6.4	18.2	11.6	9.5	15.4	16.6	10.2	32.0	10.0	12.1	11.1	46.1	20.9
Dengue fever	Cases	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.9	2.4	1.4	0.5	1.0	1.4	2.1	0.0	0.0	0.0	1.8	0.7	1.4	0.0	0.0	3.0	0.2	0.0	0.7
Gastroenteritis	Cases	0	6	9	4	3	2	0	0	0	0	1	2	3	3	0	0	0	6	1	0
	Rate	0.0	10.6	12.9	8.8	5.4	11.7	12.7	6.4	11.8	1.3	15.9	60.6	29.1	30.5	7.4	5.0	12.1	20.7	1.8	4.2
Giardiasis	Cases	5	20	37	7	12	7	9	1	0	13	1	2	1	18	3	7	0	19	2	11
	Rate	43.6	35.5	55.6	32.6	46.5	46.6	53.8	19.3	15.5	50.7	14.3	24.4	40.8	69.6	39.4	52.9	57.6	37.4	63.9	35.2
Haemophilus influenzae type b	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	0.2	0.0	0.0	1.0	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0
Hepatitis A	Cases	0	9	5	3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	Rate	0.6	2.4	2.4	1.6	0.3	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	0.9	1.8	1.2	0.5	4.9	1.4	15.0	0.9	0.6	0.0	0.6	2.1	0.0	0.0	0.7	0.0	0.8	1.8	0.3
Hepatitis C	Cases	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1
	Rate	0.6	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.2	3.5	3.9
Invasive pneumococcal disease	Cases	2	1	2	3	3	0	1	1	0	1	0	0	0	0	1	0	0	2	1	1
	Rate	15.8	10.8	11.4	15.4	12.2	30.1	13.7	12.9	8.2	15.4	7.9	12.5	11.1	6.4	19.7	12.2	0.0	12.7	16.0	10.8
Lead absorption	Cases	0	2	18	2	1	1	0	0	1	0	3	1	9	3	0	0	0	0	0	1
	Rate	1.3	3.7	12.0	6.6	3.5	3.9	1.9	8.6	3.6	5.1	20.6	5.9	15.2	4.1	2.5	3.6	6.1	2.2	14.2	2.9
Legionellosis	Cases	4	1	1	1	1	0	0	0	0	0	0	2	0	2	0	0	0	4	0	0
	Rate	6.3	3.5	2.8	2.2	1.9	0.0	1.4	0.0	1.8	1.9	1.6	1.2	0.7	2.0	0.0	6.4	3.0	11.5	1.8	2.0
Leptospirosis	Cases	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	1	0	1	0
	Rate	5.1	0.4	0.4	0.8	2.7	0.0	1.4	6.4	3.6	7.7	11.1	3.0	0.0	0.3	2.5	2.9	12.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.7	0.2	1.4	0.3	1.0	0.5	0.0	0.9	0.0	0.0	0.0	0.7	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.1	2.6	1.6	0.8	0.0	1.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	1	3	1	8	0	0	0	0	0	1	0	0	1	0	1	0	1	4	0	0
	Rate	3.2	32.4	46.4	19.6	8.4	4.9	3.3	6.4	1.8	17.3	0.0	0.6	1.4	4.8	2.5	0.7	6.1	3.6	1.8	5.9
Meningococcal disease	Cases	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	Rate	8.2	1.8	1.8	3.6	3.8	5.8	1.4	2.1	5.5	1.9	3.2	1.8	3.5	2.4	4.9	1.4	3.0	1.4	1.8	2.9
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
	Rate	0.6	0.4	1.8	0.8	0.3	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	0.3	0.0	7.9	0.0	2.2	0.0	0.7
Paratyphoid fever	Cases	0	1	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	0.2	1.5	0.2	0.0	1.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Pertussis	Cases	5	15	22	24	12	5	8	9	7	16	0	9	38	58	7	98	19	97	9	12
	Rate	14.5	14.8	17.7	17.0	26.9	18.4	18.4	156.7	30.0	95.6	20.6	18.4	151.6	107.9	27.1	461.8	825.2	90.9	60.3	25.1
Rheumatic fever	Cases	2	3	1	10	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	15.2	1.3	3.5	10.6	3.8	9.7	3.8	15.0	0.9	3.2	4.8	5.3	4.8	3.7	0.0	2.1	0.0	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	1.3	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.8	1.8	0.7
Salmonellosis	Cases	3	17	14	7	14	0	0	0	1	1	2	2	6	9	0	2	1	19	4	10
	Rate	19.6	19.8	24.7	11.6	31.0	27.2	13.2	25.8	17.3	15.4	19.0	19.0	22.8	24.1	24.6	31.5	15.2	28.8	58.5	44.1
Shigellosis	Cases	0	5	2	2	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2
	Rate	0.6	5.3	5.0	4.2	0.8	1.9	2.4	2.1	1.8	0.6	1.6	0.0	0.0	2.0	0.0	0.0	0.0	1.4	1.8	1.3
Tuberculosis disease	Cases	0	1	7	9	3	0	1	0	0	1	1	0	0	0	0	0	1	2	0	3
	Rate	2.5	6.8	18.0	11.2	5.2	1.9	6.1	4.3	0.9	9.6	4.8	7.1	4.8	10.9	0.0	2.9	3.0	3.0	1.8	2.3
Typhoid fever	Cases	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.4	2.6	2.4	0.0	1.9	0.9	2.1	0.0	0.6	0.0	1.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	1	1	0	1	3	1	3	0	0	0	0	1	0	0	0	1	0	0	0	0
	Rate	5.1	2.0	2.2	1.6	6.0	3.9	5.7	6.4	5.5	1.9	0.0	2.4	2.1	1.0	0.0	3.6	9.1	4.6	7.1	2.0
Yersiniosis	Cases	0	5	2	4	5	1	1	2	0	0	0	0	2	2	0	0	0	6	0	2
	Rate	4.4	13.4	14.0	10.6	24.5	16.5	8.0	6.4	11.8	6.4	3.2	1.8	18.0	14.6	7.4	3.6	18.2	10.1	7.1	4.2

<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 February 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 February 2012

		Cases <sup>1</sup> and current rate <sup>2</sup> for February 2012 by District Health Board <sup>3</sup>																			
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 24	81	35	46	55	11	19	7	17	19	16	19	16	48	9	27	4	129	21	56	
	Rate	155.5	159.0	125.1	110.6	199.9	145.6	142.5	148.1	166.6	218.2	149.0	148.5	166.1	193.1	248.9	163.0	188.1	205.7	260.7	196.8
Cryptosporidiosis	Cases	0	3	4	2	1	1	0	0	0	2	0	0	0	8	0	0	0	7	0	0
	Rate	17.7	7.9	7.2	7.4	36.7	16.5	9.4	6.4	18.2	11.6	9.5	15.4	16.6	10.2	32.0	10.0	12.1	11.1	46.1	20.9
Dengue fever	Cases	0	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.9	2.4	1.4	0.5	1.0	1.4	2.1	0.0	0.0	0.0	1.8	0.7	1.4	0.0	0.0	3.0	0.2	0.0	0.7
Gastroenteritis	Cases	0	6	9	4	3	2	0	0	0	0	1	2	3	3	0	0	0	6	1	0
	Rate	0.0	10.6	12.9	8.8	5.4	11.7	12.7	6.4	11.8	1.3	15.9	60.6	29.1	30.5	7.4	5.0	12.1	20.7	1.8	4.2
Giardiasis	Cases 5	20	37	7	12	7	9	1	0	13	1	2	1	18	3	7	0	19	2	11	
	Rate	43.6	35.5	55.6	32.6	46.5	46.6	53.8	19.3	15.5	50.7	14.3	24.4	40.8	69.6	39.4	52.9	57.6	37.4	63.9	35.2
Haemophilus influenzae type b	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	0.2	0.0	0.0	1.0	0.9	0.0	0.9	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0
Hepatitis A	Cases	0	9	5	3	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	Rate	0.6	2.4	2.4	1.6	0.3	0.0	0.5	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.2	0.0	0.0
Hepatitis B	Cases	0	0	0	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	0.9	1.8	1.2	0.5	4.9	1.4	15.0	0.9	0.6	0.0	0.6	2.1	0.0	0.0	0.7	0.0	0.8	1.8	0.3
Hepatitis C	Cases	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1
	Rate	0.6	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.2	3.5	3.9
Invasive pneumococcal disease	Cases	2	1	2	3	3	0	1	1	0	1	0	0	0	0	1	0	0	2	1	1
	Rate	15.8	10.8	11.4	15.4	12.2	30.1	13.7	12.9	8.2	15.4	7.9	12.5	11.1	6.4	19.7	12.2	0.0	12.7	16.0	10.8
Lead absorption	Cases 0	2	18	2	1	1	1	0	0	1	0	3	1	9	3	0	0	0	0	0	1
	Rate	1.3	3.7	12.0	6.6	3.5	3.9	1.9	8.6	3.6	5.1	20.6	5.9	15.2	4.1	2.5	3.6	6.1	2.2	14.2	2.9
Legionellosis	Cases	4	1	1	1	1	0	0	0	0	0	0	2	0	2	0	0	0	4	0	0
	Rate	6.3	3.5	2.8	2.2	1.9	0.0	1.4	0.0	1.8	1.9	1.6	1.2	0.7	2.0	0.0	6.4	3.0	11.5	1.8	2.0
Leptospirosis	Cases	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	1	0	1	0
	Rate	5.1	0.4	0.4	0.8	2.7	0.0	1.4	6.4	3.6	7.7	11.1	3.0	0.0	0.3	2.5	2.9	12.1	2.0	3.5	1.0
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.7	0.2	1.4	0.3	1.0	0.5	0.0	0.9	0.0	0.0	0.0	0.7	0.3	0.0	0.0	3.0	0.6	0.0	0.7
Malaria	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.1	2.6	1.6	0.8	0.0	1.9	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	1.4	0.0	0.6	1.8	0.3
Measles	Cases	1	3	1	8	0	0	0	0	0	1	0	0	1	0	1	0	1	4	0	0
	Rate	3.2	32.4	46.4	19.6	8.4	4.9	3.3	6.4	1.8	17.3	0.0	0.6	1.4	4.8	2.5	0.7	6.1	3.6	1.8	5.9
Meningococcal disease	Cases	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	Rate	8.2	1.8	1.8	3.6	3.8	5.8	1.4	2.1	5.5	1.9	3.2	1.8	3.5	2.4	4.9	1.4	3.0	1.4	1.8	2.9
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
	Rate	0.6	0.4	1.8	0.8	0.3	0.0	1.4	0.0	1.8	1.3	1.6	1.2	0.7	0.3	0.0	7.9	0.0	2.2	0.0	0.7
Paratyphoid fever	Cases	0	1	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	0.2	1.5	0.2	0.0	1.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.3
Pertussis	Cases 5	15	22	24	12	5	8	9	7	16	0	9	38	58	7	98	19	97	9	12	
	Rate	14.5	14.8	17.7	17.0	26.9	18.4	18.4	156.7	30.0	95.6	20.6	18.4	151.6	107.9	27.1	461.8	825.2	90.9	60.3	25.1
Rheumatic fever	Cases 2	3	1	10	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	15.2	1.3	3.5	10.6	3.8	9.7	3.8	15.0	0.9	3.2	4.8	5.3	4.8	3.7	0.0	2.1	0.0	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	1.3	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.8	1.8	0.7
Salmonellosis	Cases 3	17	14	7	14	0	0	0	0	1	1	2	2	6	9	0	2	1	19	4	10
	Rate	19.6	19.8	24.7	11.6	31.0	27.2	13.2	25.8	17.3	15.4	19.0	19.0	22.8	24.1	24.6	31.5	15.2	28.8	58.5	44.1
Shigellosis	Cases	0	5	2	2	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2
	Rate	0.6	5.3	5.0	4.2	0.8	1.9	2.4	2.1	1.8	0.6	1.6	0.0	0.0	2.0	0.0	0.0	0.0	1.4	1.8	1.3
Tuberculosis disease	Cases	0	1	7	9	3	0	1	0	0	1	1	0	0	0	0	0	1	2	0	3
	Rate	2.5	6.8	18.0	11.2	5.2	1.9	6.1	4.3	0.9	9.6	4.8	7.1	4.8	10.9	0.0	2.9	3.0	3.0	1.8	2.3
Typhoid fever	Cases	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.4	2.6	2.4	0.0	1.9	0.9	2.1	0.0	0.6	0.0	1.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	1	1	0	1	3	1	3	0	0	0	0	1	0	0	0	1	0	0	0	0
	Rate	5.1	2.0	2.2	1.6	6.0	3.9	5.7	6.4	5.5	1.9	0.0	2.4	2.1	1.0	0.0	3.6	9.1	4.6	7.1	2.0
Yersiniosis	Cases	0	5	2	4	5	1	1	2	0	0	0	0	2	2	0	0	0	6	0	2
	Rate	4.4	13.4	14.0	10.6	24.5	16.5	8.0	6.4	11.8	6.4	3.2	1.8	18.0	14.6	7.4	3.6	18.2	10.1	7.1	4.2

<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 February 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 February-2012 by District Health Board

Disease	Cases for the 12 months ending February 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	6769	225	798	538	509	688	141	284	62	167	322	80	232	226	532	95	207	61	919	126	557
Cryptosporidiosis	592	28	40	30	35	134	16	20	3	20	16	6	26	24	23	12	14	4	51	26	64
Dengue fever	36	0	4	10	6	2	1	1	1	0	0	0	3	1	4	0	0	1	1	0	1
Gastroenteritis	581	1	52	50	41	16	11	27	3	13	2	9	97	40	88	3	7	5	102	0	14
Giardiasis	1727	65	178	220	158	160	41	107	8	17	66	8	41	58	192	13	72	19	172	34	98
Haemophilus influenzae type b	12	1	0	1	0	0	1	3	0	2	1	0	0	0	1	0	0	0	1	1	0
Hepatitis A	22	0	4	8	5	1	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0
Hepatitis B	52	3	5	8	6	3	3	4	6	1	1	0	1	3	0	0	1	0	5	1	1
Hepatitis C	26	0	1	2	1	0	0	0	0	0	2	0	0	0	0	0	1	0	6	2	11
Invasive pneumococcal disease	531	24	57	50	74	43	31	28	5	9	23	5	21	16	19	7	17	0	62	8	32
Lead absorption	199	2	18	37	31	13	3	4	4	3	8	10	9	13	9	1	5	2	11	8	8
Legionellosis	151	7	22	13	13	6	0	3	0	2	3	1	2	1	4	0	10	1	56	1	6
Leptospirosis	82	8	2	2	4	9	0	3	3	4	11	7	4	0	1	1	5	4	10	1	3
Listeriosis	24	1	4	1	6	1	1	1	0	1	0	0	0	1	1	0	0	1	3	0	2
Malaria	44	1	5	12	7	3	0	4	0	2	2	0	0	0	1	0	2	0	3	1	1
Measles	614	5	174	213	91	31	5	7	3	2	26	0	2	1	15	1	1	2	16	1	18
Meningococcal disease	117	13	9	7	18	14	6	3	1	5	3	2	3	5	7	2	2	1	7	1	8
Mumps	54	1	2	8	5	1	0	3	0	2	2	1	2	1	1	0	11	0	10	2	2
Paratyphoid fever	8	0	0	3	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Pertussis	2378	19	68	65	62	88	14	34	65	27	136	13	24	187	272	4	572	257	376	28	67
Rheumatic fever	163	22	6	15	44	14	10	8	7	1	5	3	8	6	11	0	3	0	0	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	22	2	3	7	0	0	0	0	0	0	0	0	0	0	2	0	1	0	4	1	2
Salmonellosis	952	29	93	100	52	102	28	28	12	18	23	11	30	27	62	10	42	4	127	29	125
Shigellosis	98	1	25	22	19	3	2	4	1	2	1	1	0	0	6	0	0	0	7	1	3
Tuberculosis disease	290	4	36	75	50	17	2	12	2	1	14	2	12	7	32	0	6	0	13	1	4
Typhoid fever	44	0	13	11	12	0	1	2	1	0	0	0	2	0	1	0	0	0	1	0	0
VTEC/STEC infection	128	8	10	10	7	20	3	9	3	6	3	0	3	3	3	0	4	3	23	4	6
Yersiniosis	474	7	68	63	49	86	16	16	1	13	10	2	3	24	41	3	5	6	46	4	11

<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 February 2012

Disease	Current Year - 2012 <sup>1</sup>			Previous Year - 2011		
	February 2012 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	February 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	659	1661	166.7	458	1007	155.9
Cryptosporidiosis	28	63	14.0	25	56	20.2
Dengue fever	6	10	1.0	7	10	1.2
Gastroenteritis <sup>3</sup>	40	91	13.9	65	106	11.8
Giardiasis	175	340	42.5	231	402	47.0
Haemophilus influenzae type b	0	1	0.2	0	0	0.1
Hepatitis A	19	22	0.9	5	8	1.1
Hepatitis B <sup>4</sup>	5	8	1.2	4	7	1.1
Hepatitis C <sup>4</sup>	5	7	0.7	3	3	0.4
Invasive pneumococcal disease	19	42	12.5	16	45	12.4
Lead absorption	42	58	5.4	32	48	5.7
Legionellosis	16	36	3.5	25	41	4.3
Leptospirosis	6	21	1.9	5	6	1.5
Listeriosis	1	5	0.6	3	6	0.4
Malaria	2	4	1.0	4	10	0.9
Measles	21	55	14.2	17	27	1.7
Meningococcal disease	4	11	2.7	5	9	2.2
Mumps	3	7	1.2	5	6	0.9
Paratyphoid fever	7	7	0.3	4	4	0.4
Pertussis	470	890	62.7	73	128	18.6
Rheumatic fever	18	32	4.0	12	18	3.8
Rickettsial disease	0	0	0.1	1	1	0.3
Rubella	1	1	0.5	1	2	0.1
Salmonellosis	112	244	23.9	121	245	26.7
Shigellosis	13	25	2.4	11	19	2.5
Tuberculosis disease	29	53	7.1	22	52	6.9
Typhoid fever	3	7	1.1	2	5	0.5
VTEC/STEC infection	12	28	3.1	23	44	3.5
Yersiniosis	32	79	11.4	52	90	9.6

<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 February 2012) or the previous

<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 February: Brucellosis (1)