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## MONTHLY SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 5 May 2008. As this information may be updated over time, the results should be regarded as provisional only.

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## 1. Key notifiable disease trends

- *Brucellosis*: One case of brucellosis was notified in April 2008 from Waitemata DHB. This case is not confirmed and currently under investigation.
- *Campylobacter*: 398 campylobacter cases were notified in April 2008 compared to 675 cases notified in the same month of the previous year (Figure 1). The majority of the cases were reported from the Auckland region (106 cases, 26.6%) followed by Canterbury DHB (68 cases, 17.1%). For the 12 month period ending 30 April 2008, Taranaki DHB recorded the highest annual incidence rate of 289.9 per 100 000 population (10 cases) compared to the national rate of 227.5 per 100 000 population. Sixteen cases were hospitalised. Among the cases for whom this information was recorded, 45.9% (34/74) had contact with farm animals, 40.6% (28/69) had consumed food from a food premise, 31.5% (17/54) had consumed untreated water, 25.7% (18/70) had contact with other symptomatic people, 21.1% (12/57) had consumed non-habitual water supply, 18.9% (14/74) had attended school, pre-school or childcare, 14.9% (10/67) had faecal contact, 7.5% (5/67) had recreational water contact, 7.0% (4/57) had contact with sick animals, and 7.0% (6/86) had been overseas during the incubation period.
- *Cryptosporidiosis*: 39 cryptosporidiosis cases were notified in April 2008 compared to 82 cases notified in the same month of the previous year. The highest number of the cases was reported from the Canterbury DHB (10). For the 12 month period ending 30 April 2008, South Canterbury DHB recorded the highest annual incidence rate of 77.8 per 100 000 population (2 cases) compared to the national rate of 17.8 per 100 000 population. One case was hospitalised. Among the cases for whom this information was recorded, 63.6% (7/11) had contact with farm animals, 50.0% (5/10) had recreational water contact, 36.4%

(4/11) had faecal contact, 33.3% (4/12) had attended school, pre-school or childcare, 30.0% (3/10) had contact with other symptomatic people, 28.6% (2/7) had consumed food from a food premise, 22.2% (2/9) had consumed non-habitual water supply, 14.3% (1/7) had consumed untreated water, and 8.3% (1/12) had been overseas during the incubation period.

- *Leprosy*: two confirmed cases of leprosy were notified in April 2008. The cases were from Counties Manukau DHB. One case had been to Samoa and the other to Kiribati during the incubation period.
- *Malaria*: three cases of malaria were notified in April 2008 bringing the year to date total to 11. Two cases were in the 20-29 years age group and one was in the 40-49 years age group. All three cases had been overseas during the incubation period. The countries visited were India (2 cases) and Papua New Guinea (1). Two cases were infected with *Plasmodium vivax* and the other case was infected with *P. falciparum*.
- *Meningococcal disease*: Based on the earliest date available<sup>1</sup>, seven cases of meningococcal disease were notified during April 2008, six (85.7%) were laboratory-confirmed. In comparison, seven cases were notified the previous month, March 2008, and two cases were notified during the same month last year, April 2007. For the 12 month period ending 30 April 2008, Hawke's Bay DHB recorded the highest incidence rate of 8.5 per 100 000 population (13 cases), followed by Tairāwhiti (4.4 per 100 000, 2 cases), and Hutt (4.2 per 100 000, 6 cases). The highest age-specific incidence rate was in infants aged less than one year (29.1 per 100 000 population, 18 cases), followed by those in the 1-4 years age group (13.9 per 100 000 population, 32 cases), and those in the 5-9 years age group (5.2 per 100 000 population, 15 cases).
- *Mumps*: 10 cases of mumps were notified in April 2008 compared to two notified cases in the same month of the previous year (Figure 2). The cases were reported from Canterbury (3), Northland (1), Waitemata (1), Auckland (1), Counties Manukau (1), Waikato (1), Capital and Coast (1), and South Canterbury (1) DHBs. The cases were in the following age groups: 1-4 years (4), 40-49 years (3), 5-9 years (1), 10-14 years (1), and 15-19 years (1). Three cases were reported as immunised of which one received two doses of MMR, one received one dose, and the number of doses received was unknown for the remaining case.
- *Salmonellosis*: 115 cases of salmonellosis were notified in April 2008 compared to 114 notified cases in the same month of the previous year. The highest numbers of cases were reported from Canterbury (26), Otago (13), and Capital and Coast (10) DHBs. Nine cases were hospitalised. The serotype involved was identified for 103 of the cases. The dominant serotypes were: *Salmonella* Typhimurium phage type 1 (11 cases), *S. Infantis* (9), *S. Enteritidis* phage type 9a (8), *S. Typhimurium* phage type 101 (8), *S. Typhimurium* phage type 12a (8), and *S. Typhimurium* phage type 156 (8).

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<sup>1</sup> 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 meningococcal disease notification data.

- *Yersiniosis*: 53 yersiniosis cases were notified in April 2008 compared to 30 cases notified in the same month of the previous year. Three cases were hospitalised. Capital and Coast and Canterbury had the highest number of cases (8 cases each) followed by Waitemata (6), and Hawke's Bay (5) DHBs. The highest number of cases were in the 1-4 years (11), followed by the <1 year (10), 30-39 years (7) and 40-49 years (6) age groups. Among the cases for whom this information was recorded, 40.0% (6/15) had consumed untreated water, 23.5% (4/17) had contact with farm animals, 23.1% (3/13) had consumed food from a food premise, 16.7% (3/18) had attended school, pre-school or childcare, 13.3% (2/15) had faecal contact, 13.3% (2/15) had recreational water contact, and 6.3% (1/16) had contact with other symptomatic people during the incubation period.

## 2. Outbreaks

### *Completed outbreak reports*

Nine outbreak reports were entered into EpiSurv and completed during April 2008. These are summarised in the table below.

Summary of completed outbreaks reported to ESR during April 2008

<b>Organism/Toxin/Illness</b>	<b>Reporting Public Health District</b>	<b>Number of outbreaks</b>	<b>Total number of cases</b>
Gastroenteritis	Auckland, Wanganui	2	37
<i>Giardia</i>	Auckland, Canterbury	2	13
Hepatitis A	Wairarapa	1	2
Norovirus	Auckland, Canterbury, Southland	4	88
<b>Total</b>		<b>9</b>	<b>140</b>

### *Interim outbreak reports*

The following interim outbreaks have been reported. The status of the outbreak and cases involved are subject to change, as more data becomes available.

Summary of interim outbreaks reported to ESR during April 2008

<b>Organism/Toxin/Illness</b>	<b>Reporting Public Health District</b>	<b>Number of outbreaks</b>	<b>Total number of cases</b>
<i>Bacillus cereus</i>	Auckland	1	3
<i>Campylobacter</i>	Canterbury	1	4
Gastroenteritis	Auckland, Wellington	14	40
<i>Giardia</i>	Auckland	1	2
Rotavirus	Auckland	1	5
<b>Total</b>		<b>18</b>	<b>54</b>

### 3. Deaths from notifiable diseases

One death was reported for the month of April.

Disease	District Health Board	Age group	Sex
Legionellosis	Canterbury	40-49 years	M

### 4. Trends in selected diseases to April 2008

Figure 1: Campylobacteriosis notifications by month by year, January 2003 – April 2008

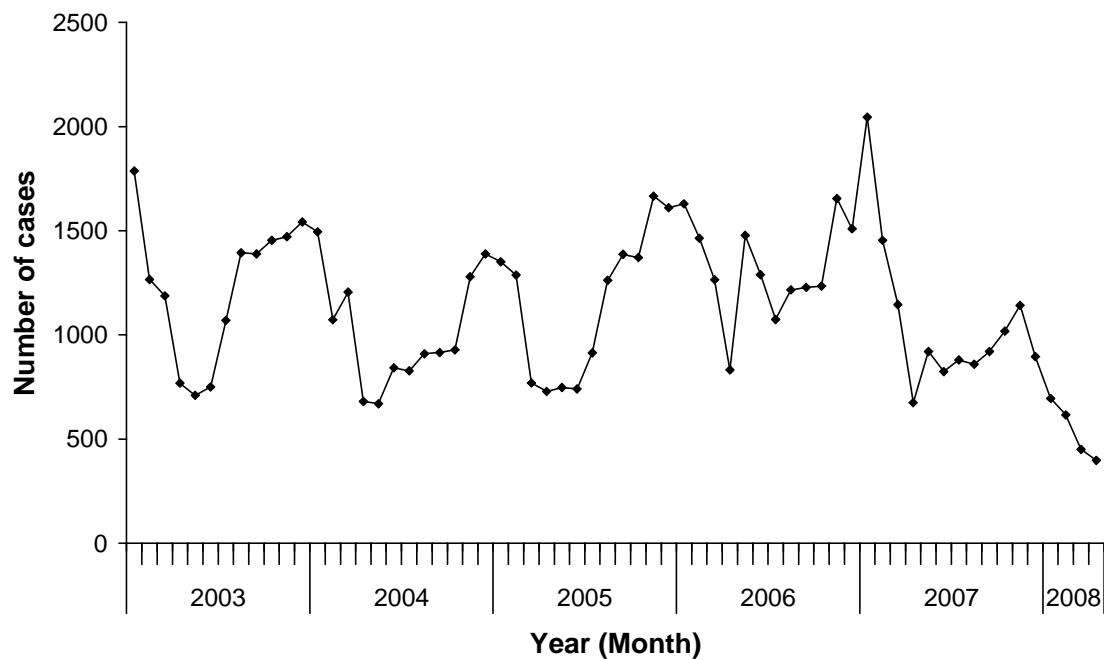
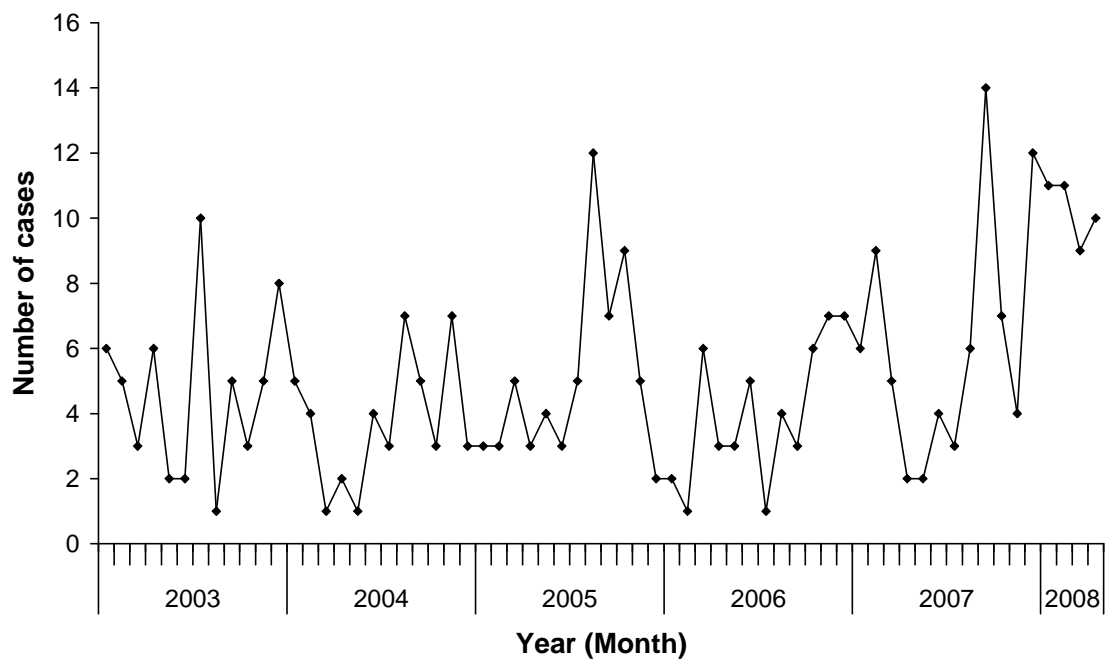


Figure 2: Mumps notifications by month by year, January 2003 – April 2008



## 5. Data Tables

National Surveillance Data April 2008

Disease	Current Year - 2008 <sup>1</sup>			Previous Year - 2007		
	April 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	April 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	398	2160	227.5	675	5319	382.4
Cryptosporidiosis	39	122	17.8	82	295	21.9
Dengue fever	12	43	1.9	15	77	2.2
Gastroenteritis	40	218	14.7	45	217	18.4
Giardiasis	147	568	33.8	137	541	32.4
Haemophilus influenzae type b	1	6	0.3	1	7	0.3
Hazardous substances injury	0	1	0.1	0	0	0.0
Hepatitis A	8	26	1.1	4	21	1.7
Hepatitis B <sup>4</sup>	7	20	1.5	8	30	1.7
Hepatitis C <sup>4</sup>	2	9	0.7	4	13	0.9
Hydatid disease	0	2	0.2	0	0	0.0
Lead absorption	21	74	2.9	4	28	1.7
Legionellosis	10	30	1.6	5	27	1.4
Leprosy	2	2	0.2	0	1	0.1
Leptospirosis	11	35	1.7	4	31	2.1
Listeriosis	2	11	0.7	3	7	0.5
Malaria	3	11	0.8	1	3	0.6
Measles	1	2	0.4	4	9	0.5
Meningococcal disease <sup>5</sup>	6	27	2.6	4	21	3.4
Mumps	10	41	2.2	2	22	1.4
Paratyphoid fever	1	12	0.6	1	9	0.5
Pertussis	18	82	7.0	15	120	19.1
Rheumatic fever	48	134	6.1	2	16	1.9
Rickettsial disease	0	0	0.0	1	1	0.3
Rubella	2	2	0.3	0	1	0.2
Salmonellosis	115	609	33.0	114	488	29.5
Shigellosis	7	32	2.8	14	40	2.2
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	22	101	7.1	23	90	8.5
Typhoid fever	2	11	0.8	2	25	1.4
VTEC/STEC infection	13	63	2.9	9	40	2.0
Yersiniosis	53	243	14.1	30	173	12.4

<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 April 2008) or the previous year (12 months up to and including April 2007), 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

<sup>5</sup> These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section of this report

<sup>6</sup> Other notifiable infectious disease reported in April: Brucellosis (1)

Surveillance Data by District Health Board April 2008

		Cases <sup>1</sup> and current rate <sup>2</sup> for April 2008 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	Otago	Southland
Campylobacteriosis	Cases	14	47	37	22	30	8	12	3	10	14	0	9	13	40	2	14	6	68	13	23	13
	Rate	219.6	262.4	257.8	187.4	245.9	231.5	177.1	67.5	289.9	258.9	228.0	160.8	260.8	269.8	129.0	189.6	201.6	215.6	284.2	206.6	216.5
Cryptosporidiosis	Cases	1	2	3	0	4	0	7	0	1	0	0	1	2	3	0	3	0	10	2	0	0
	Rate	14.9	8.0	7.4	6.2	40.2	11.8	13.8	13.1	16.8	15.7	7.9	25.0	17.0	18.5	22.8	31.2	37.2	15.7	77.8	18.8	50.7
Dengue fever	Cases	0	1	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	2.7	7.4	3.4	0.3	3.0	0.0	0.0	1.9	1.3	1.6	0.6	0.0	0.0	0.0	0.7	0.0	1.4	0.0	0.0	0.0
Gastroenteritis	Cases	0	11	6	4	1	1	2	0	0	0	0	0	3	5	1	0	0	6	0	0	0
	Rate	3.2	19.7	21.5	10.3	7.9	13.8	9.3	0.0	6.5	13.7	18.9	8.5	18.4	20.6	12.6	3.0	24.8	30.4	3.6	3.2	1.8
Giardiasis	Cases	2	17	22	18	8	2	8	0	1	6	2	8	6	23	0	2	1	12	1	5	3
	Rate	34.4	29.4	48.0	31.2	29.7	34.5	36.4	17.4	15.8	27.5	20.4	28.0	23.3	62.2	35.4	49.8	34.1	26.3	19.9	33.4	27.2
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.6	0.0	0.4	0.0	0.0	1.0	2.2	0.0	0.0	0.0	0.6	0.0	0.7	2.5	0.0	0.0	0.2	0.0	0.0	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	0
	Rate	0.0	0.0	0.2	0.4	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	0.0
Hepatitis A	Cases	0	2	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0
	Rate	0.6	0.8	1.8	2.4	0.8	0.0	0.5	0.0	1.9	2.0	1.6	0.0	1.4	0.4	5.1	1.5	0.0	0.6	0.0	1.1	0.9
Hepatitis B	Cases	0	1	1	1	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0
	Rate	0.6	1.4	3.0	1.7	0.8	1.0	0.5	0.0	3.7	1.3	1.6	0.6	2.8	2.8	2.5	1.5	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.6	0.7	0.6	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.4	0.7	2.5	0.0	9.3	1.6	0.0	0.0	0.9
Highly Pathogenic Avian Influenza	Cases	0	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	0.0
Hydatid disease	Cases	0	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	0.2	0.4	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Lead absorption	Cases	0	2	1	4	4	2	0	0	0	1	0	1	0	2	0	0	0	3	0	1	0
	Rate	1.9	2.1	3.5	2.2	2.5	2.0	2.5	0.0	0.9	2.6	9.4	1.8	2.8	2.5	0.0	3.7	0.0	4.7	3.6	5.4	3.6
Legionellosis	Cases	0	1	2	3	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0
	Rate	1.3	1.8	2.3	2.2	0.0	2.0	1.5	0.0	0.9	2.0	0.0	1.2	0.7	1.1	2.5	1.5	3.1	2.9	0.0	0.5	1.8
Leprosy	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptospirosis	Cases	0	0	0	0	2	0	1	1	0	1	0	0	0	0	0	0	0	4	0	1	1
	Rate	1.3	0.2	0.0	0.2	3.1	1.0	0.5	2.2	3.7	5.9	3.1	4.3	0.0	0.4	2.5	1.5	12.4	2.7	1.8	1.6	4.5
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
	Rate	1.9	0.2	0.2	0.9	1.1	0.0	1.0	0.0	0.9	0.0	1.6	1.2	1.4	0.7	2.5	0.0	0.0	0.8	1.8	0.5	0.0
Malaria	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.6	2.8	0.4	0.8	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.7	0.0	1.0	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	Rate	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.7	0.4	0.0	1.5	9.3	0.4	0.0	0.0	0.0
A Yb]b[ cV&WU' X]gYUgY	Cases	1	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	0
	Rate	3.2	1.4	1.8	3.2	3.4	1.0	1.5	4.4	3.7	8.5	1.6	1.2	4.2	3.6	2.5	1.5	3.1	1.8	1.8	2.7	1.8
Mumps	Cases	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0
	Rate	1.9	2.5	2.3	4.1	2.8	1.0	2.5	0.0	0.9	1.3	1.6	1.8	0.0	2.5	2.5	0.7	0.0	2.4	1.8	0.5	1.8
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.5	1.7	0.6	1.0	0.5	0.0	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.6	0.0	0.0	1.8
Pertussis	Cases	1	2	0	2	4	0	0	0	1	0	0	1	0	2	0	0	0	2	0	0	3
	Rate	4.5	3.5	2.8	4.7	19.8	3.9	8.9	6.5	1.9	5.9	0.0	1.8	3.5	4.6	2.5	15.6	0.0	10.4	21.7	4.3	13.6
Rheumatic fever	Cases	2	0	0	0	3	31	6	0	1	0	0	0	0	5	0	0	0	0	0	0	0
	Rate	5.2	1.8	4.4	11.8	4.8	44.3	34.4	4.4	0.9	3.9	4.7	2.4	3.5	3.9	2.5	0.0	0.0	0.4	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	0
	Rate	0.0	0.2	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
Rubella	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.1	0.0	0.7	3.1	0.0	0.0	1.1	0.0
Salmonellosis	Cases	0	7	5	8	7	4	2	0	6	1	1	2	6	10	3	6	0	26	5	13	3
	Rate	26.6	23.0	24.9	20.4	38.2	29.6	50.2	19.6	34.5	33.3	20.4	28.0	36.0	40.5	37.9	45.4	31.0	34.7	47.1	56.5	52.5
Shigellosis	Cases	0	3	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	2.5	5.8	3.7	2.0	3.9	2.0	0.0	1.9	2.0	0.0	1.2	4.9	2.8	0.0	2.2	0.0	2.9	1.8	1.6	3.6
Tetanus	Cases	0	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	0.0
Tuberculosis disease	Cases	0	5	2	6	1	0	0	0	0	0	0	3	1	2	0	0	0	2	0	0	0
	Rate	4.5	9.4	13.9	9.7	4.8	2.0	3.4	0.0	2.8	9.2	6.3	6.7	12.7	7.5	2.5	3.7	3.1	5.7	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.5	2.6	0.3	0.0	0.0	0.0	0.9	0.7	1.6	0.6	0.7	0.4	0.0	0.0	0.0	0.4	0.0	0.5	0.0
VTEC/STEC infection	Cases	0	4	1	0	2	1	1	0	1	1	0	0	0	0	0	0	0	2	0	0	0
	Rate	3.9	3.1	0.7	1.9	4.8	5.9	3.9	0.0	3.7	2.0	0.0	1.2	0.7	2.5	0.0	4.5	6.2	4.7	7.2	1.6	2.7
Yersiniosis	Cases	0	6	2	3	4	3	1	1	0	5	1	1	2	8	0	4	1	8	0	2	1
	Rate	7.1	8.0	9.7	5.6	12.2	21.7	9.8	17.4	15.8	24.8	12.6	6.7	17.0	19.5	5.1	11.2	65.1	32.0	25.3	7.0	8.2

<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 April 2008 expressed as cases per 100 000

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

'H\YgY'hc'HU'g'UbX'fUH'g'UFY'XYfJj'YX'Zfca' h\Y'9d]Gi'fj'fYdcfhXUH'Y'Ug'cddcgYX'hc'h\Y'YUf'jYgh'Uj'Uj'UV'Y'XUH'i'gYX'j'b'h\Y'a'Yb]b[ cV&WU'X]gYUgY'gYV]cb'cZH'Jg'fYdcfh

Surveillance Data by District Health Board April 2008

		Cases <sup>1</sup> and current rate <sup>2</sup> for April 2008 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	Otago	Southland
Campylobacteriosis	Cases	14	47	37	22	30	8	12	3	10	14	0	9	13	40	2	14	6	68	13	23	13
	Rate	219.6	262.4	257.8	187.4	245.9	231.5	177.1	67.5	289.9	258.9	228.0	160.8	260.8	269.8	129.0	189.6	201.6	215.6	284.2	206.6	216.5
Cryptosporidiosis	Cases	1	2	3	0	4	0	7	0	1	0	0	1	2	3	0	3	0	10	2	0	0
	Rate	14.9	8.0	7.4	6.2	40.2	11.8	13.8	13.1	16.8	15.7	7.9	25.0	17.0	18.5	22.8	31.2	37.2	15.7	77.8	18.8	50.7
Dengue fever	Cases	0	1	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	2.7	7.4	3.4	0.3	3.0	0.0	0.0	1.9	1.3	1.6	0.6	0.0	0.0	0.0	0.7	0.0	1.4	0.0	0.0	0.0
Gastroenteritis	Cases	0	11	6	4	1	1	2	0	0	0	0	0	3	5	1	0	0	6	0	0	0
	Rate	3.2	19.7	21.5	10.3	7.9	13.8	9.3	0.0	6.5	13.7	18.9	8.5	18.4	20.6	12.6	3.0	24.8	30.4	3.6	3.2	1.8
Giardiasis	Cases	2	17	22	18	8	2	8	0	1	6	2	8	6	23	0	2	1	12	1	5	3
	Rate	34.4	29.4	48.0	31.2	29.7	34.5	36.4	17.4	15.8	27.5	20.4	28.0	23.3	62.2	35.4	49.8	34.1	26.3	19.9	33.4	27.2
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.6	0.0	0.4	0.0	0.0	1.0	2.2	0.0	0.0	0.0	0.6	0.0	0.7	2.5	0.0	0.0	0.2	0.0	0.0	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	0
	Rate	0.0	0.0	0.2	0.4	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	0.0
Hepatitis A	Cases	0	2	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0
	Rate	0.6	0.8	1.8	2.4	0.8	0.0	0.5	0.0	1.9	2.0	1.6	0.0	1.4	0.4	5.1	1.5	0.0	0.6	0.0	1.1	0.9
Hepatitis B	Cases	0	1	1	1	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0
	Rate	0.6	1.4	3.0	1.7	0.8	1.0	0.5	0.0	3.7	1.3	1.6	0.6	2.8	2.8	2.5	1.5	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.6	0.7	0.6	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.4	0.7	2.5	0.0	9.3	1.6	0.0	0.0	0.9
Highly Pathogenic Avian Influenza	Cases	0	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	0.0
Hydatid disease	Cases	0	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	0.2	0.4	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Lead absorption	Cases	0	2	1	4	4	2	0	0	0	1	0	1	0	2	0	0	0	3	0	1	0
	Rate	1.9	2.1	3.5	2.2	2.5	2.0	2.5	0.0	0.9	2.6	9.4	1.8	2.8	2.5	0.0	3.7	0.0	4.7	3.6	5.4	3.6
Legionellosis	Cases	0	1	2	3	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	0
	Rate	1.3	1.8	2.3	2.2	0.0	2.0	1.5	0.0	0.9	2.0	0.0	1.2	0.7	1.1	2.5	1.5	3.1	2.9	0.0	0.5	1.8
Leprosy	Cases	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptospirosis	Cases	0	0	0	0	2	0	1	1	0	1	0	0	0	0	0	0	0	4	0	1	1
	Rate	1.3	0.2	0.0	0.2	3.1	1.0	0.5	2.2	3.7	5.9	3.1	4.3	0.0	0.4	2.5	1.5	12.4	2.7	1.8	1.6	4.5
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
	Rate	1.9	0.2	0.2	0.9	1.1	0.0	1.0	0.0	0.9	0.0	1.6	1.2	1.4	0.7	2.5	0.0	0.0	0.8	1.8	0.5	0.0
Malaria	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.6	2.8	0.4	0.8	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.7	0.0	1.0	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	Rate	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.7	0.4	0.0	1.5	9.3	0.4	0.0	0.0	0.0
A Yb]b[ cV&WU' X]gYUgY	Cases	1	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	0
	Rate	3.2	1.4	1.8	3.2	3.4	1.0	1.5	4.4	3.7	8.5	1.6	1.2	4.2	3.6	2.5	1.5	3.1	1.8	1.8	2.7	1.8
Mumps	Cases	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0
	Rate	1.9	2.5	2.3	4.1	2.8	1.0	2.5	0.0	0.9	1.3	1.6	1.8	0.0	2.5	2.5	0.7	0.0	2.4	1.8	0.5	1.8
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.5	1.7	0.6	1.0	0.5	0.0	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.6	0.0	0.0	1.8
Pertussis	Cases	1	2	0	2	4	0	0	0	1	0	0	1	0	2	0	0	0	2	0	0	3
	Rate	4.5	3.5	2.8	4.7	19.8	3.9	8.9	6.5	1.9	5.9	0.0	1.8	3.5	4.6	2.5	15.6	0.0	10.4	21.7	4.3	13.6
Rheumatic fever	Cases	2	0	0	0	3	31	6	0	1	0	0	0	0	5	0	0	0	0	0	0	0
	Rate	5.2	1.8	4.4	11.8	4.8	44.3	34.4	4.4	0.9	3.9	4.7	2.4	3.5	3.9	2.5	0.0	0.0	0.4	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	0
	Rate	0.0	0.2	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
Rubella	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.1	0.0	0.7	3.1	0.0	0.0	1.1	0.0
Salmonellosis	Cases	0	7	5	8	7	4	2	0	6	1	1	2	6	10	3	6	0	26	5	13	3
	Rate	26.6	23.0	24.9	20.4	38.2	29.6	50.2	19.6	34.5	33.3	20.4	28.0	36.0	40.5	37.9	45.4	31.0	34.7	47.1	56.5	52.5
Shigellosis	Cases	0	3	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	2.5	5.8	3.7	2.0	3.9	2.0	0.0	1.9	2.0	0.0	1.2	4.9	2.8	0.0	2.2	0.0	2.9	1.8	1.6	3.6
Tetanus	Cases	0	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	0.0
Tuberculosis disease	Cases	0	5	2	6	1	0	0	0	0	0	0	3	1	2	0	0	0	2	0	0	0
	Rate	4.5	9.4	13.9	9.7	4.8	2.0	3.4	0.0	2.8	9.2	6.3	6.7	12.7	7.5	2.5	3.7	3.1	5.7	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.5	2.6	0.3	0.0	0.0	0.0	0.9	0.7	1.6	0.6	0.7	0.4	0.0	0.0	0.0	0.4	0.0	0.5	0.0
VTEC/STEC infection	Cases	0	4	1	0	2	1	1	0	1	1	0	0	0	0	0	0	0	2	0	0	0
	Rate	3.9	3.1	0.7	1.9	4.8	5.9	3.9	0.0	3.7	2.0	0.0	1.2	0.7	2.5	0.0	4.5	6.2	4.7	7.2	1.6	2.7
Yersiniosis	Cases	0	6	2	3	4	3	1	1	0	5	1	1	2	8	0	4	1	8	0	2	1
	Rate	7.1	8.0	9.7	5.6	12.2	21.7	9.8	17.4	15.8	24.8	12.6	6.7	17.0	19.5	5.1	11.2	65.1	32.0	25.3	7.0	8.2

<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 April 2008 expressed as cases per 100 000

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

'H\YgY'hc'HU'g'UbX'fUH'g'UFY'XYf]j'YX'Zfca' h\Y'9d]Gi'fj'fYdcfhXUH'Y'Ug'cddcgYX'hc' h\Y'YUf'jYgh'Uj'Uj'UV'Y'XUH'i'gYX'j'b'h\Y'a'Yb]b[ cV&WU' X]gYUgY'gYV]cb'cZH'jg'fYdcfh

National Surveillance Data April 2008

Disease	Current Year - 2008 <sup>1</sup>			Previous Year - 2007		
	April 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	April 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	398	2160	227.5	675	5319	382.4
Cryptosporidiosis	39	122	17.8	82	295	21.9
Dengue fever	12	43	1.9	15	77	2.2
Gastroenteritis	40	218	14.7	45	217	18.4
Giardiasis	147	568	33.8	137	541	32.4
Haemophilus influenzae type b	1	6	0.3	1	7	0.3
Hazardous substances injury	0	1	0.1	0	0	0.0
Hepatitis A	8	26	1.1	4	21	1.7
<YdUhhjg'6	7	20	1.5	8	30	1.7
<YdUhhjg'7	2	9	0.7	4	13	0.9
Hydatid disease	0	2	0.2	0	0	0.0
Lead absorption	21	74	2.9	4	28	1.7
Legionellosis	10	30	1.6	5	27	1.4
Leprosy	2	2	0.2	0	1	0.1
Leptospirosis	11	35	1.7	4	31	2.1
Listeriosis	2	11	0.7	3	7	0.5
Malaria	3	11	0.8	1	3	0.6
Measles	1	2	0.4	4	9	0.5
A Yb]b[ cWc'WWW'X]gYUgY	6	27	2.6	4	21	3.4
Mumps	10	41	2.2	2	22	1.4
Paratyphoid fever	1	12	0.6	1	9	0.5
Pertussis	18	82	7.0	15	120	19.1
Rheumatic fever	48	134	6.1	2	16	1.9
Rickettsial disease	0	0	0.0	1	1	0.3
Rubella	2	2	0.3	0	1	0.2
Salmonellosis	115	609	33.0	114	488	29.5
Shigellosis	7	32	2.8	14	40	2.2
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	22	101	7.1	23	90	8.5
Typhoid fever	2	11	0.8	2	25	1.4
VTEC/STEC infection	13	63	2.9	9	40	2.0
Yersiniosis	53	243	14.1	30	173	12.4

<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 April 2008) or the previous year (12 months up to and including April 2007), expressed as cases per 100 000

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

'Cb'mUW' hY' WUgY'cZ'h\]g'X]gYUgY'UFY'W' ffYbhmbch]Z]UV'Y  
'h\YgY'hc'U'g'UbX'fUH'g'UFY'XYf]j'YX'Zfca' 'h\Y'9d]Gi'fj'fYdcfhXUH'Y'Ug'cddcgYX'hc'h\Y'YUF']YghUj'U]'UV'Y'XUH'Y'i'gYX']b'h\Y  
a'Yb]b[ cWc'WWW'X]gYUgY'gYV]cb'cZ'h\]g'fYdcfh  
'Ch'Yf'bch]Z]UV'Y']bZYV]ci'g'X]gYUgY'fYdcfh'X']b'5df]'. '6fi'W'`cg]g'fW'&



National Surveillance Data - Monthly totals for April 2008 and preceding 12 Months<sup>1</sup>

Disease	Apr 2008	Mar 2008	Feb 2008	Jan 2008	Dec 2007	Nov 2007	Oct 2007	Sep 2007	Aug 2007	Jul 2007	Jun 2007	May 2007
Campylobacteriosis	398	451	616	695	896	1142	1018	920	859	880	824	920
Cryptosporidiosis	39	24	32	27	28	73	171	122	68	34	47	86
Dengue fever	12	7	16	8	5	5	4	3	1	2	5	12
Gastroenteritis <sup>2</sup>	40	64	49	65	39	78	61	40	53	46	37	50
Giardiasis	147	153	149	119	96	115	105	88	139	92	93	133
Haemophilus influenzae type b	1	1	1	3	0	0	0	1	2	1	3	1
Hazardous substances injury	0	1	0	0	0	0	1	1	0	1	0	0
Hepatitis A	8	6	6	6	2	5	4	1	5	0	2	2
Hepatitis B <sup>3</sup>	7	1	5	7	7	5	6	6	5	3	6	5
Hepatitis C <sup>3</sup>	2	1	5	1	2	3	2	2	3	0	3	4
Hydatid disease	0	0	1	1	3	0	0	1	0	0	0	2
Lead absorption	21	35	6	12	12	11	8	3	4	4	4	4
Legionellosis	10	7	5	8	5	7	8	1	0	6	3	7
Leprosy	2	0	0	0	0	0	3	1	0	0	0	3
Leptospirosis	11	8	9	7	7	3	4	3	2	1	5	10
Listeriosis	2	2	4	3	2	5	2	2	2	1	2	3
Malaria	3	3	2	3	1	6	3	2	2	2	3	3
Measles	1	1	0	0	7	1	1	0	2	2	1	1
A Yb]b[ cVcVWU' X]gYUgY'	6	6	4	11	10	5	10	9	10	23	8	8
Mumps	10	9	11	11	12	4	7	14	6	3	4	2
Paratyphoid fever	1	1	7	3	2	5	2	1	0	1	2	1
Pertussis	18	26	27	11	17	27	29	27	27	28	30	27
Rheumatic fever	48	10	73	3	5	2	5	5	17	75	8	7
Rickettsial disease	0	0	0	0	0	0	0	0	1	0	0	0
Rubella	2	0	0	0	2	2	1	0	1	2	2	0
Salmonellosis	115	135	163	196	117	111	121	88	89	57	79	124
Shigellosis	7	11	3	11	5	7	7	13	8	19	11	16
Tuberculosis disease	22	24	26	29	20	30	24	17	32	25	20	30
Typhoid fever	2	2	6	1	2	1	3	3	3	3	1	7
VTEC/STEC infection	13	13	24	13	6	4	14	12	8	3	4	9
Yersiniosis	53	70	54	66	44	55	39	39	57	36	45	39

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

<sup>2</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>3</sup> Only acute cases of this disease are currently notifiable

'H\YgY'hcHJ'g'UfY'XYf]j YX'Zfca 'h\Y'9d]G' fj 'fYdcfhXUhr'Ug'cddcgYX'hc'h\Y'YUf']YghUj U]'UV'Y'XUhr''i gYX']b'h\Y'a Yb]b[ cVcVWU' X]gYUgY'gYVW]cb'cZ'h]g'fYdcfh