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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 3 September 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*: Two cases of brucellosis, one probable and one under investigation were notified in August 2008, from Counties Manukau (1) and Waitemata (1) DHBs. The probable case has since returned to Tonga. No risk factor information is currently recorded for the remaining case.
- *Campylobacteriosis*: The number of campylobacter notifications has increased from 387 in July 2008 to 565 in August 2008 (Figure 1). For the 12 month period ending 31 August 2008 the national rate was 183.1 per 100 000 population, which was lower than the same 12 month period last year (341.2 per 100 000 population).
- *Cholera*: One probable cholera case was notified in August 2008. The case was in the 60-69 years age group who ate seafood at a tangi.
- *Cryptosporidiosis*: The number of cryptosporidiosis notifications has increased from 16 in July 2008 to 51 in August 2008. For the 12 month period ending 31 August 2008 the national rate was 15.1 per 100 000 population compared to 23.7 for the same 12 month period last year.
- *Hepatitis A*: 10 cases of Hepatitis A were notified in August 2008 compared to five notified cases in the same month of the previous year (Figure 2). The cases were reported from Whanganui (4), Auckland (2), Waitemata (1), MidCentral (1), Hutt (1) and Capital and Coast (1) DHBs. Three of the Whanganui cases were part of an outbreak linked to a home/school outbreak. Four of the 10 cases had been overseas during the incubation period. The countries visited were India (3) and Austria (1).

- *Hydatid disease*: One probable case of hydatid disease was notified in August 2008. The case was in the 60-69 years age group and had been overseas during the incubation period. The case's childhood years were also spent on a farm with subsequent exposure to stock and dogs.
- *Leptospirosis*: Six cases of leptospirosis were notified in August 2008 compared to two notified case at the same month in the previous year. The cases were from Whanganui (2), Northland (1), Nelson Marlborough (1), Canterbury (1), and Otago (1) DHBs. Two cases were hospitalised. The serovar was recorded for three of the cases: *Leptospira Australis* (1), *L. Pomona* (1), and *L. Tarassovi* (1). Five of the cases had risk factor information: farmer (2), butcher (1), meat inspector (1), and geologist (1) who was working in the Solomon Islands (walking up stream in a wild area) during the incubation period.
- *Meningococcal disease*: Based on the earliest date available<sup>1</sup>, 19 cases of meningococcal disease were notified during August 2008, 15 (78.9%) of which were laboratory-confirmed. In comparison, 16 cases were notified the previous month, July 2008, and 10 cases were notified during the same month last year, August 2007. For the 12 month period ending 31 August 2008, the national rate was 2.8 per 100 000 and Hawke's Bay DHB recorded the highest incidence rate of 5.9 per 100 000 population (9 cases) followed by Southland DHB (5.4 per 100 000, 6 cases) and Northland (5.2 per 100 000, 8 cases). The highest age-specific incidence rate was in infants aged less than one year (27.5 per 100 000 population, 17 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 (5.5 per 100 000 population, 16 cases).
- *Rickettsial disease*: Three cases of rickettsial disease, two confirmed and one probable were notified in August 2008. The cases were from Waikato (2) and Auckland (1) DHBs. One case had been to Northern America during the incubation period. The possible sources of infection for the remaining two cases were living on a lifestyle block and contact with mice.

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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.

## 2. Outbreaks

### *Completed outbreak reports*

Eleven outbreak reports were entered into EpiSurv and completed during August 2008 (Table 1).

Table 1: Summary of completed outbreaks reported to ESR during August 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Gastroenteritis	Auckland, Waikato, Otago	3	13
<i>Giardia</i>	Auckland	2	7
<i>Mycobacterium tuberculosis</i>	Wellington	2	5
Norovirus	Manawatu, West Coast	2	57
Rotavirus	Canterbury	1	13
<i>Shigella</i>	Auckland	1	2
<b>Total</b>		<b>11</b>	<b>97</b>

### *Interim outbreak reports*

Twenty-seven interim outbreaks have been reported in August 2008 (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 reported to ESR during August 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Rotorua	1	2
<i>Clostridium perfringens</i>	Canterbury	1	16
Gastroenteritis	Auckland, Wairarapa, Otago	18	54
<i>Giardia</i>	Auckland, Eastern Bay of Plenty, Rotorua	4	14
Hepatitis A	Wanganui	1	3
Norovirus	Wellington, Canterbury	2	31
<b>Total</b>		<b>27</b>	<b>120</b>

## 3. Deaths from notifiable diseases

Two deaths were reported for the month of August from Listeriosis – perinatal (Table 3).

Table 3: Summary of deaths from notifiable diseases reported to ESR during August 2008

Disease	District Health Board	Age group
Listeriosis – perinatal	Counties Manukau	N/A
Listeriosis – perinatal	Bay of Plenty	N/A

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

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

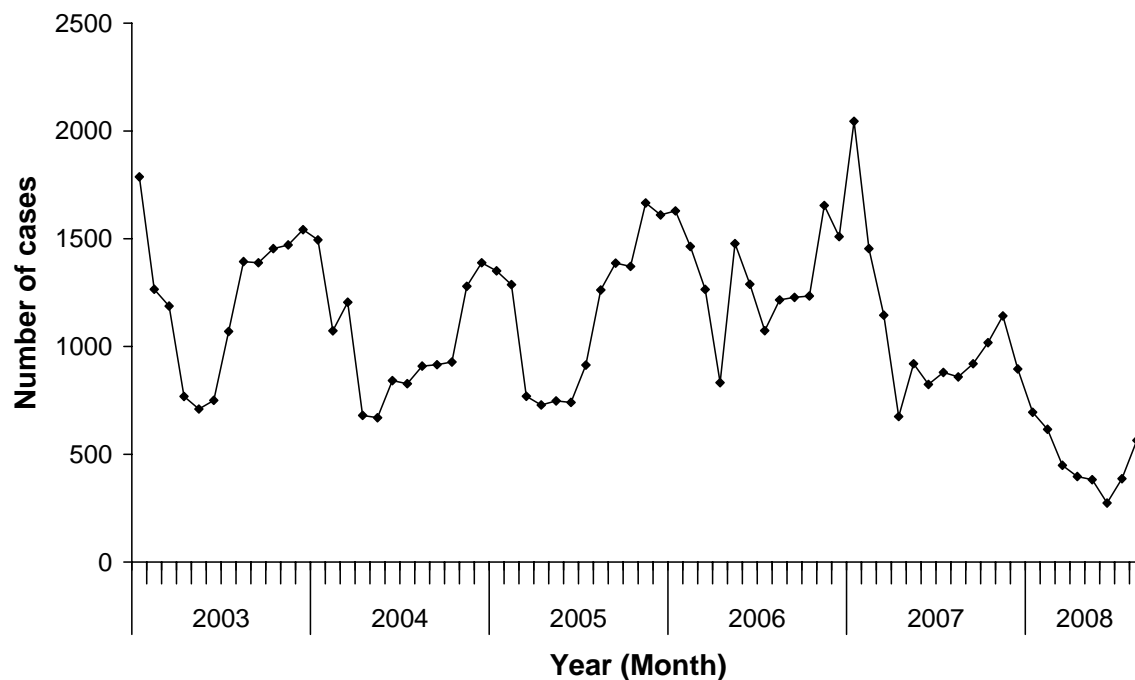
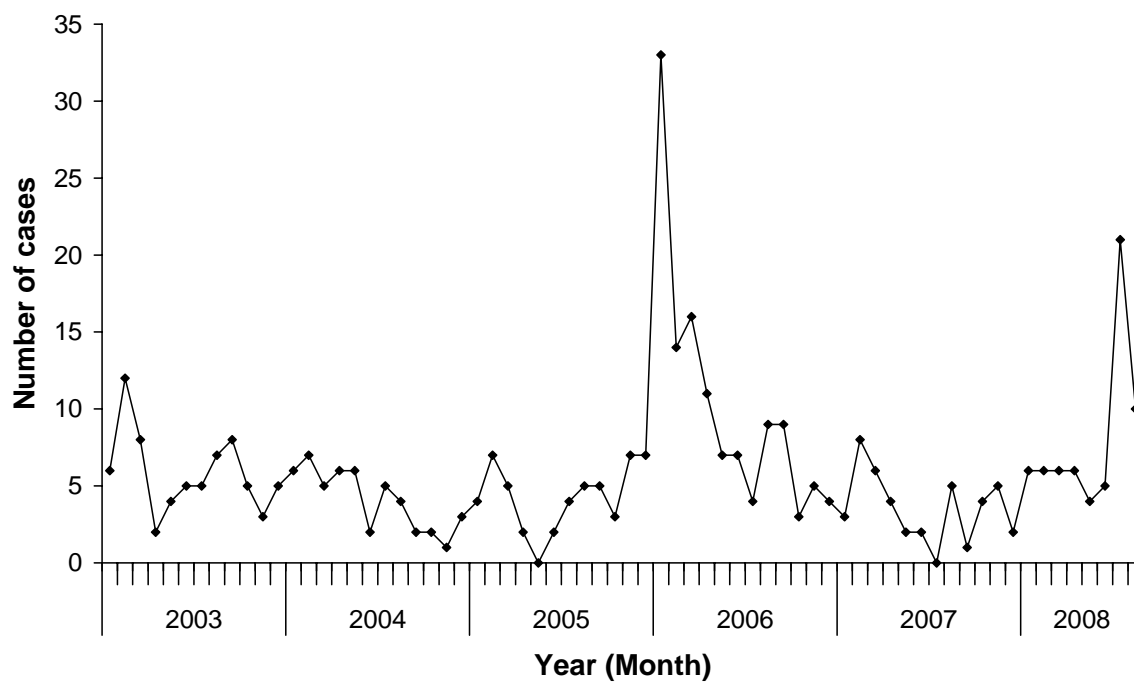


Figure 2: Hepatitis A notifications by month by year, January 2003 – August 2008



## 5. Data Tables

### National Surveillance Data August 2008

Disease	Current Year - 2008 <sup>1</sup>			Previous Year - 2007		
	August 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	August 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	565	3765	183.1	859	8802	341.2
Cryptosporidiosis	51	243	15.1	68	530	23.7
Dengue fever	9	73	2.1	1	97	2.5
Gastroenteritis	35	391	14.4	53	403	14.9
Giardiasis	143	1126	36.2	139	998	32.2
Haemophilus influenzae type b	0	7	0.2	2	14	0.3
Hazardous substances injury	0	1	0.1	0	1	0.0
Hepatitis A	10	64	1.8	5	30	1.2
Hepatitis B <sup>4</sup>	3	34	1.4	5	49	1.6
Hepatitis C <sup>4</sup>	2	17	0.6	3	23	0.8
Lead absorption	52	203	5.6	4	44	1.5
Legionellosis	11	50	1.7	0	43	1.3
Leptospirosis	6	70	2.1	2	49	1.8
Listeriosis	5	19	0.7	2	15	0.5
Malaria	3	22	0.8	2	13	0.5
Measles	1	9	0.4	2	15	0.5
Meningococcal disease <sup>5</sup>	19	83	2.8	10	70	2.9
Mumps	7	65	2.4	6	37	1.4
Paratyphoid fever	5	19	0.7	0	13	0.5
Pertussis	32	193	6.9	27	232	11.7
Rheumatic fever	11	197	5.1	17	123	3.4
Rickettsial disease	3	7	0.2	1	2	0.2
Rubella	2	10	0.4	1	6	0.2
Salmonellosis	81	917	32.0	89	837	29.7
Shigellosis	8	75	2.5	8	94	2.9
Tuberculosis disease	23	205	7.0	32	196	8.2
Typhoid fever	3	23	0.8	3	39	1.5
VTEC/STEC infection	9	93	3.1	8	64	2.0
Yersiniosis	49	393	13.5	57	350	12.9

<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 August 2008) or the previous year (12 months up to and including August 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 August: Brucellosis (2) , Cholera (1) , Hydatid disease (1)

Surveillance Data by District Health Board August 2008

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 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	26	56	45	57	60	13	30	3	19	32	7	43	25	43	4	17	4	49	16	10	6
	Rate	188.4	211.8	202.0	147.0	189.8	176.4	154.0	102.4	221.8	217.0	169.8	148.6	212.7	207.9	106.2	146.5	167.4	168.7	271.5	171.6	181.2
Cryptosporidiosis	Cases	1	1	2	1	14	1	2	0	2	4	1	4	0	0	1	2	1	9	3	2	0
	Rate	16.9	4.9	3.7	4.3	30.0	7.9	13.8	13.1	19.6	13.7	6.3	19.5	12.0	10.3	20.2	27.5	31.0	16.9	83.3	19.9	51.6
Dengue fever	Cases	0	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	Rate	0.6	3.7	7.2	4.9	0.3	3.0	0.0	0.0	0.0	1.3	0.0	0.6	0.0	0.7	0.0	0.0	0.0	1.4	0.0	0.0	0.0
Gastroenteritis	Cases	1	4	6	2	0	0	1	0	0	0	0	3	2	6	0	1	2	5	0	2	0
	Rate	3.9	18.1	20.5	9.3	7.4	11.8	13.8	0.0	3.7	9.8	28.3	10.4	19.8	21.7	10.1	5.9	37.2	26.7	1.8	7.5	0.0
Giardiasis	Cases	2	16	33	11	7	8	3	1	2	3	1	2	5	10	2	6	2	21	1	3	4
	Rate	30.5	33.3	54.2	34.6	30.6	37.4	34.4	24.0	15.8	28.1	18.9	21.3	19.8	73.2	32.9	38.7	52.7	35.3	19.9	29.6	24.5
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	0
	Rate	0.6	0.0	0.0	0.0	0.0	0.0	1.0	4.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	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	0.2	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	1	2	0	0	0	0	0	0	0	4	1	1	1	0	0	0	0	0	0	0
	Rate	1.9	1.4	2.8	2.8	1.1	1.0	0.5	0.0	0.0	0.7	6.3	7.9	2.1	1.1	5.1	1.5	0.0	0.8	0.0	1.1	0.9
Hepatitis B	Cases	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	Rate	0.6	1.6	3.0	1.1	0.8	3.0	0.5	2.2	1.9	0.0	1.6	0.6	2.8	2.1	2.5	1.5	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.4	0.5	0.4	0.3	1.0	0.5	0.0	2.8	0.0	0.0	0.0	1.4	1.1	2.5	0.0	6.2	1.0	0.0	0.0	0.9
Lead absorption	Cases	1	16	22	5	2	0	1	1	0	1	1	0	0	1	0	0	0	1	0	0	0
	Rate	2.6	8.2	13.6	5.6	4.0	4.9	1.5	2.2	0.9	3.9	12.6	3.0	2.8	2.1	10.1	3.0	0.0	5.5	5.4	4.8	5.4
Legionellosis	Cases	0	4	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.8	3.0	2.2	0.6	2.0	2.5	0.0	0.9	3.3	0.0	0.6	1.4	1.1	0.0	0.7	0.0	2.4	1.8	0.5	0.9
Leptospirosis	Cases	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	0	1	0
	Rate	2.6	0.6	0.0	0.6	2.3	2.0	1.0	30.5	2.8	5.9	9.4	3.0	0.0	0.4	2.5	3.0	9.3	2.9	0.0	1.1	2.7
Listeriosis	Cases	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.0	0.4	0.2	1.3	1.1	0.0	1.5	0.0	0.0	0.0	1.6	0.6	1.4	0.7	2.5	0.0	0.0	0.8	1.8	1.1	0.0
Malaria	Cases	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.6	2.8	0.4	0.3	0.0	1.0	2.2	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	1.2	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.4	0.0	0.0	6.2	1.2	0.0	0.0	0.0
A Yb]b[ cV&VWU' X]gYUgY	Cases	4	1	0	3	3	0	1	0	0	0	2	0	1	0	0	2	0	0	1	0	1
	Rate	5.2	1.2	2.5	3.0	3.7	1.0	2.5	4.4	3.7	5.9	6.3	0.6	2.1	2.8	0.0	3.7	3.1	1.8	3.6	2.7	5.4
Mumps	Cases	0	1	0	2	1	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
	Rate	2.6	2.1	2.1	4.1	3.7	3.0	3.0	0.0	0.0	3.9	1.6	1.2	0.7	2.5	2.5	0.0	0.0	2.9	1.8	0.5	1.8
Paratyphoid fever	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.8	0.7	1.7	0.8	1.0	0.5	0.0	0.0	0.0	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	0	1	0	6	0	0	0	0	0	0	0	0	2	1	7	0	8	2	0	4
	Rate	7.8	3.9	3.0	4.5	20.1	3.9	4.9	4.4	1.9	3.9	0.0	3.7	1.4	4.6	5.1	14.9	6.2	9.4	12.7	6.5	19.9
Rheumatic fever	Cases	3	4	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0
	Rate	8.4	2.3	2.1	3.2	6.2	41.4	33.0	4.4	0.9	5.9	0.0	1.8	1.4	4.6	5.1	0.0	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.5	0.0	1.1	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	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.2	0.6	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Salmonellosis	Cases	4	8	4	4	8	5	9	0	1	0	3	6	3	5	2	2	1	8	0	4	4
	Rate	24.0	22.2	23.1	20.4	34.3	31.5	50.2	24.0	39.1	26.8	22.0	29.8	38.2	35.5	55.6	46.1	24.8	32.8	50.7	59.2	46.2
Shigellosis	Cases	0	3	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	2.9	5.1	4.1	1.4	2.0	2.0	0.0	1.9	1.3	0.0	0.6	4.2	3.2	0.0	2.2	0.0	2.2	0.0	1.6	1.8
Tuberculosis disease	Cases	3	6	1	2	6	0	1	0	0	1	0	0	0	3	0	0	0	0	0	0	0
	Rate	5.2	10.3	12.9	9.3	6.2	3.0	4.9	2.2	1.9	3.3	7.9	4.3	12.0	8.5	0.0	3.0	0.0	5.9	7.2	0.5	0.0
Typhoid fever	Cases	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.6	3.0	0.3	0.0	0.0	0.0	0.9	0.7	1.6	0.6	1.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	0	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	Rate	5.2	2.9	1.2	2.2	6.5	5.9	3.0	0.0	4.7	2.0	1.6	1.2	0.7	2.5	0.0	4.5	9.3	4.3	1.8	2.2	1.8
Yersiniosis	Cases	2	7	7	3	0	0	5	0	1	2	0	0	5	3	0	1	0	10	1	1	1
	Rate	8.4	8.2	9.9	6.7	10.8	18.7	7.9	15.3	11.2	21.6	14.2	6.1	15.5	20.6	0.0	11.9	62.0	30.6	16.3	5.9	10.0

<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 August 2008 expressed as cases per 100 000

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

‘H\YgY’hc‘HJ’g‘UbX’f‘UH’g‘UFY’XYf]]YX’Zfca’‘H\Y’9d]Gi’fj’fYdcfhXUH’Ug’cddcgYX’hc’‘H\Y’YUf’]Ygh‘Uj‘U]’UV’Y’XUH’i’gYX’]b’‘H\Y’a‘Yb]b[‘cV&VWU’‘X]gYUgY’gYV]]cb’c‘Z‘H\Jg’fYdcfh

Surveillance Data by District Health Board August 2008

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 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	26	56	45	57	60	13	30	3	19	32	7	43	25	43	4	17	4	49	16	10	6
	Rate	188.4	211.8	202.0	147.0	189.8	176.4	154.0	102.4	221.8	217.0	169.8	148.6	212.7	207.9	106.2	146.5	167.4	168.7	271.5	171.6	181.2
Cryptosporidiosis	Cases	1	1	2	1	14	1	2	0	2	4	1	4	0	0	1	2	1	9	3	2	0
	Rate	16.9	4.9	3.7	4.3	30.0	7.9	13.8	13.1	19.6	13.7	6.3	19.5	12.0	10.3	20.2	27.5	31.0	16.9	83.3	19.9	51.6
Dengue fever	Cases	0	1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	Rate	0.6	3.7	7.2	4.9	0.3	3.0	0.0	0.0	0.0	1.3	0.0	0.6	0.0	0.7	0.0	0.0	0.0	1.4	0.0	0.0	0.0
Gastroenteritis	Cases	1	4	6	2	0	0	1	0	0	0	0	3	2	6	0	1	2	5	0	2	0
	Rate	3.9	18.1	20.5	9.3	7.4	11.8	13.8	0.0	3.7	9.8	28.3	10.4	19.8	21.7	10.1	5.9	37.2	26.7	1.8	7.5	0.0
Giardiasis	Cases	2	16	33	11	7	8	3	1	2	3	1	2	5	10	2	6	2	21	1	3	4
	Rate	30.5	33.3	54.2	34.6	30.6	37.4	34.4	24.0	15.8	28.1	18.9	21.3	19.8	73.2	32.9	38.7	52.7	35.3	19.9	29.6	24.5
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	0
	Rate	0.6	0.0	0.0	0.0	0.0	0.0	1.0	4.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	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	0.2	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	1	2	0	0	0	0	0	0	0	4	1	1	1	0	0	0	0	0	0	0
	Rate	1.9	1.4	2.8	2.8	1.1	1.0	0.5	0.0	0.0	0.7	6.3	7.9	2.1	1.1	5.1	1.5	0.0	0.8	0.0	1.1	0.9
Hepatitis B	Cases	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	Rate	0.6	1.6	3.0	1.1	0.8	3.0	0.5	2.2	1.9	0.0	1.6	0.6	2.8	2.1	2.5	1.5	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.4	0.5	0.4	0.3	1.0	0.5	0.0	2.8	0.0	0.0	0.0	1.4	1.1	2.5	0.0	6.2	1.0	0.0	0.0	0.9
Lead absorption	Cases	1	16	22	5	2	0	1	1	0	1	1	0	0	1	0	0	0	1	0	0	0
	Rate	2.6	8.2	13.6	5.6	4.0	4.9	1.5	2.2	0.9	3.9	12.6	3.0	2.8	2.1	10.1	3.0	0.0	5.5	5.4	4.8	5.4
Legionellosis	Cases	0	4	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.8	3.0	2.2	0.6	2.0	2.5	0.0	0.9	3.3	0.0	0.6	1.4	1.1	0.0	0.7	0.0	2.4	1.8	0.5	0.9
Leptospirosis	Cases	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	0	1	0
	Rate	2.6	0.6	0.0	0.6	2.3	2.0	1.0	30.5	2.8	5.9	9.4	3.0	0.0	0.4	2.5	3.0	9.3	2.9	0.0	1.1	2.7
Listeriosis	Cases	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.0	0.4	0.2	1.3	1.1	0.0	1.5	0.0	0.0	0.0	1.6	0.6	1.4	0.7	2.5	0.0	0.0	0.8	1.8	1.1	0.0
Malaria	Cases	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	0.6	2.8	0.4	0.3	0.0	1.0	2.2	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	1.2	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	1.3	0.0	0.0	0.0	0.4	0.0	0.0	6.2	1.2	0.0	0.0	0.0
A Yb]b[ cV&VWU' X]gYUgY	Cases	4	1	0	3	3	0	1	0	0	0	2	0	1	0	0	2	0	0	1	0	1
	Rate	5.2	1.2	2.5	3.0	3.7	1.0	2.5	4.4	3.7	5.9	6.3	0.6	2.1	2.8	0.0	3.7	3.1	1.8	3.6	2.7	5.4
Mumps	Cases	0	1	0	2	1	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
	Rate	2.6	2.1	2.1	4.1	3.7	3.0	3.0	0.0	0.0	3.9	1.6	1.2	0.7	2.5	2.5	0.0	0.0	2.9	1.8	0.5	1.8
Paratyphoid fever	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.8	0.7	1.7	0.8	1.0	0.5	0.0	0.0	0.0	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	0	1	0	6	0	0	0	0	0	0	0	0	2	1	7	0	8	2	0	4
	Rate	7.8	3.9	3.0	4.5	20.1	3.9	4.9	4.4	1.9	3.9	0.0	3.7	1.4	4.6	5.1	14.9	6.2	9.4	12.7	6.5	19.9
Rheumatic fever	Cases	3	4	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0
	Rate	8.4	2.3	2.1	3.2	6.2	41.4	33.0	4.4	0.9	5.9	0.0	1.8	1.4	4.6	5.1	0.0	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	0.5	0.0	1.1	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	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.2	0.6	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Salmonellosis	Cases	4	8	4	4	8	5	9	0	1	0	3	6	3	5	2	2	1	8	0	4	4
	Rate	24.0	22.2	23.1	20.4	34.3	31.5	50.2	24.0	39.1	26.8	22.0	29.8	38.2	35.5	55.6	46.1	24.8	32.8	50.7	59.2	46.2
Shigellosis	Cases	0	3	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	2.9	5.1	4.1	1.4	2.0	2.0	0.0	1.9	1.3	0.0	0.6	4.2	3.2	0.0	2.2	0.0	2.2	0.0	1.6	1.8
Tuberculosis disease	Cases	3	6	1	2	6	0	1	0	0	1	0	0	0	3	0	0	0	0	0	0	0
	Rate	5.2	10.3	12.9	9.3	6.2	3.0	4.9	2.2	1.9	3.3	7.9	4.3	12.0	8.5	0.0	3.0	0.0	5.9	7.2	0.5	0.0
Typhoid fever	Cases	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.6	3.0	0.3	0.0	0.0	0.0	0.9	0.7	1.6	0.6	1.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	0	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	Rate	5.2	2.9	1.2	2.2	6.5	5.9	3.0	0.0	4.7	2.0	1.6	1.2	0.7	2.5	0.0	4.5	9.3	4.3	1.8	2.2	1.8
Yersiniosis	Cases	2	7	7	3	0	0	5	0	1	2	0	0	5	3	0	1	0	10	1	1	1
	Rate	8.4	8.2	9.9	6.7	10.8	18.7	7.9	15.3	11.2	21.6	14.2	6.1	15.5	20.6	0.0	11.9	62.0	30.6	16.3	5.9	10.0

<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 August 2008 expressed as cases per 100 000

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

‘H\YgY’hc‘HJ’g‘UbX’f‘UH’g‘UFY’XYf]]YX’Zfca’‘h\Y’9d]Gi’fj’fYdcfhXUH’Ug’cddcgYX’hc’‘h\Y’YUf’]Ygh‘Uj‘U]’UV’Y’XUH’i’gYX’]b’‘h\Y’a‘Yb]b[‘cV&VWU’‘X]gYUgY’gYV]]cb’c‘Z‘h\Jg’fYdcfh

Surveillance Data for the 12 months ending August-2008 by District Health Board

Disease	Cases for the 12 months ending August 2008 <sup>1 2</sup> by District Health Board <sup>3</sup>																					
	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	Otago	Southland
Campylobacteriosis	7741	290	1087	875	683	670	179	313	47	238	332	108	244	301	585	42	197	54	827	150	319	200
Cryptosporidiosis	637	26	25	16	20	106	8	28	6	21	21	4	32	17	29	8	37	10	83	46	37	57
Dengue fever	90	1	19	31	23	1	3	0	0	0	2	0	1	0	2	0	0	0	7	0	0	0
Gastroenteritis	610	6	93	89	43	26	12	28	0	4	15	18	17	28	61	4	8	12	131	1	14	0
Giardiasis	1530	47	171	235	161	108	38	70	11	17	43	12	35	28	206	13	52	17	173	11	55	27
Haemophilus influenzae type b	8	1	0	0	0	0	0	2	2	0	0	0	0	0	2	0	0	0	1	0	0	0
Hazardous substances injury	3	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	76	3	7	12	13	4	1	1	0	0	1	4	13	3	3	2	2	0	4	0	2	1
Hepatitis B	58	1	8	13	5	3	3	1	1	2	0	1	1	4	6	1	2	0	6	0	0	0
Hepatitis C	26	0	2	2	2	1	1	1	0	3	0	0	0	2	3	1	0	2	5	0	0	1
Lead absorption	237	4	42	59	26	14	5	3	1	1	6	8	5	4	6	4	4	0	27	3	9	6
Legionellosis	71	2	9	13	10	2	2	5	0	1	5	0	1	2	3	0	1	0	12	1	1	1
Leptospirosis	87	4	3	0	3	8	2	2	14	3	9	6	5	0	1	1	4	3	14	0	2	3
Listeriosis	30	0	2	1	6	4	0	3	0	0	0	1	1	2	2	1	0	0	4	1	2	0
Malaria	34	2	3	12	2	1	0	2	1	1	0	0	0	1	1	0	0	0	6	0	1	1
Measles	18	0	5	1	0	0	0	0	0	1	2	0	0	0	1	0	0	2	6	0	0	0
Meningococcal disease	117	8	6	11	14	13	1	5	2	4	9	4	1	3	8	0	5	1	9	2	5	6
Mumps	101	4	11	9	19	13	3	6	0	0	6	1	2	1	7	1	0	0	14	1	1	2
Paratyphoid fever	29	1	4	3	8	3	1	1	0	0	0	0	0	1	2	0	0	0	3	0	0	2
Pertussis	293	12	20	13	21	71	4	10	2	2	6	0	6	2	13	2	20	2	46	7	12	22
Rheumatic fever	214	13	12	9	15	22	42	67	2	1	9	0	3	2	13	2	0	0	2	0	0	0
Rickettsial disease	7	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	15	1	1	1	3	0	0	2	0	0	2	0	2	0	1	0	0	0	0	0	2	0
Salmonellosis	1354	37	114	100	95	121	32	102	11	42	41	14	49	54	100	22	62	8	161	28	110	51
Shigellosis	107	1	15	22	19	5	2	4	0	2	2	0	1	6	9	0	3	0	11	0	3	2
Tuberculosis disease	294	8	53	56	43	22	3	10	1	2	5	5	7	17	24	0	4	0	29	4	1	0
Typhoid fever	32	0	1	7	14	1	0	0	0	1	1	1	1	2	1	0	0	0	2	0	0	0
VTEC/STEC infection	129	8	15	5	10	23	6	6	0	5	3	1	2	1	7	0	6	3	21	1	4	2
Yersiniosis	570	13	42	43	31	38	19	16	7	12	33	9	10	22	58	0	16	20	150	9	11	11
Total	14534	493	1772	1642	1299	1285	367	688	108	363	555	197	439	503	1154	104	423	134	1756	265	592	395

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

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

<sup>3</sup> These totals are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section