
MONTHLY SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 5 August 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*: Three cases of brucellosis, two confirmed and one under investigation, were notified in July 2008 all from Auckland DHB. One of the cases had been to South America and had consumed unpasteurised milk or milk products while another case home kills animals. No risk factor information is currently recorded for the remaining case.
- *Campylobacteriosis*: The number of campylobacter notifications has increased from 274 in June 2008 to 388 in July 2008 (Figure 1). For the 12 month period ending 31 July 2008 the national rate was 190.1 per 100 000 population, which was lower than the same 12 month period last year (349.7 per 100 000 population).
- *Dengue fever*: 14 cases of dengue fever were notified in July 2008 compared to two notified cases at the same month in the previous year. The cases were from Auckland (5), Waitemata (4), Counties Manukau (2), Northland (1), Hawke's Bay (1), and Capital and Coast (1) DHBs. Two cases were hospitalised. Overseas travel was recorded for all cases. The countries visited during the incubation period were Samoa (6), Tonga (3), Fiji (2), Indonesia (1), Thailand (1), and Vanuatu (1).
- *Hepatitis A*: 20 cases of Hepatitis A were notified in July 2008 compared to zero notified cases in the same month of the previous year (Figure 2). The cases were reported from MidCentral (11), Waitemata (3), Northland (2), Auckland (1), Counties Manukau (1), Capital and Coast (1), and Canterbury (1) DHBs. The 11 MidCentral cases and one Northland case were part of an outbreak linked to a child care centre in Palmerston North. Four of the 20 cases had been overseas

during the incubation period. The countries visited were Fiji (1), India (1), Korea (1), and Samoa (1).

- *Leptospirosis*: 10 cases of leptospirosis were notified in July 2008 compared to one notified case at the same month in the previous year. The cases were from Tairāwhiti (3), Waitemata (2), Counties Manukau (2), Lakes (1), Whanganui (1), and Canterbury (1) DHBs. Two cases were hospitalised. The Tairāwhiti cases were part of an outbreak linked to the meat processing industry. Three other cases had risk factor information: one was a farmer, one had exposure to rats, and another was in Samoa during the incubation period.
- *Meningococcal disease*: Based on the earliest date available¹, 16 cases of meningococcal disease were notified during July 2008, all of which were laboratory-confirmed. In comparison, 12 cases were notified the previous month, June 2008, and 23 cases were notified during the same month last year, July 2007. For the 12 month period ending 31 July 2008, the national rate was 2.6 per 100 000 and Hawke's Bay DHB recorded the highest incidence rate of 7.2 per 100 000 population (11 cases) followed by Tairāwhiti DHB (6.5 per 100 000, 3 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 (12.1 per 100 000 population, 28 cases), and those in the 5-9 years age group (5.5 per 100 000 population, 16 cases).
- *Mumps*: Seven cases of mumps were notified in July 2008 compared to three notified cases in the same month of the previous year. The cases were reported from Counties Manukau (2), Northland (1), Auckland (1), Lakes (1), Capital and Coast (1), and Canterbury (1) DHBs. Three cases were laboratory confirmed aged 1-4 years (1), 5-9 years (1), and 30-39 years (1), none were immunised. Of the remaining four non-laboratory confirmed cases, one was recorded as immunised receiving two doses of MMR.
- *Rickettsial disease*: Three cases of rickettsial disease, two confirmed and one under investigation were notified in July 2008. The cases were from Waikato (2) and Auckland (1) DHBs. One case had been to North Africa during the incubation period. The remaining two cases had no overseas travel and the possible source of infection was contact with rats.
- *Taeniasis*: One case of taeniasis was notified in July 2008. The case was from Capital and Coast DHB and had been in Ethiopia during the incubation period.
- *Typhoid fever*: Six cases of typhoid fever were notified in July 2008 compared to three notified cases in the same month of the previous year. The cases were from Counties Manukau (5), and Auckland (1) DHBs. Four cases were hospitalised. The species involved was identified for five of the six cases as: *Salmonella* Typhi phage type E1a (2), *S. Typhi* E7 variant (2), and *S. Typhi* phage type Untypable (1). Three of the cases were part of a household outbreak. Information on overseas travel was recorded for all cases, of which two had been overseas.

¹ 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.

The countries visited were India (1), and Samoa (1). The remaining four cases had no overseas travel.

2. Outbreaks

Completed outbreak reports

Five outbreak reports were entered into EpiSurv and completed during July 2008 (Table 1).

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

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato	1	2
Gastroenteritis	Otago	1	2
<i>Giardia</i>	Auckland	1	2
Norovirus	Auckland, Otago	2	36
Total		5	42

Interim outbreak reports

Thirty-seven interim outbreaks have been reported in July 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 July 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Otago	1	4
Gastroenteritis	Auckland, Waikato, Tauranga, Otago, Southland	31	142
<i>Giardia</i>	Auckland	1	-
Hepatitis A	Manawatu	1	5
Influenza-like illness	Wellington	1	-
Norovirus	Nelson Marlborough, Southland	2	27
Total		37	178

3. Deaths from notifiable diseases

One death was reported for the month of July from Meningococcal disease (Table 3).

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

Disease	District Health Board	Age group
Meningococcal disease	Hawke's Bay	< 1 year

4. Trends in selected diseases to July 2008

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

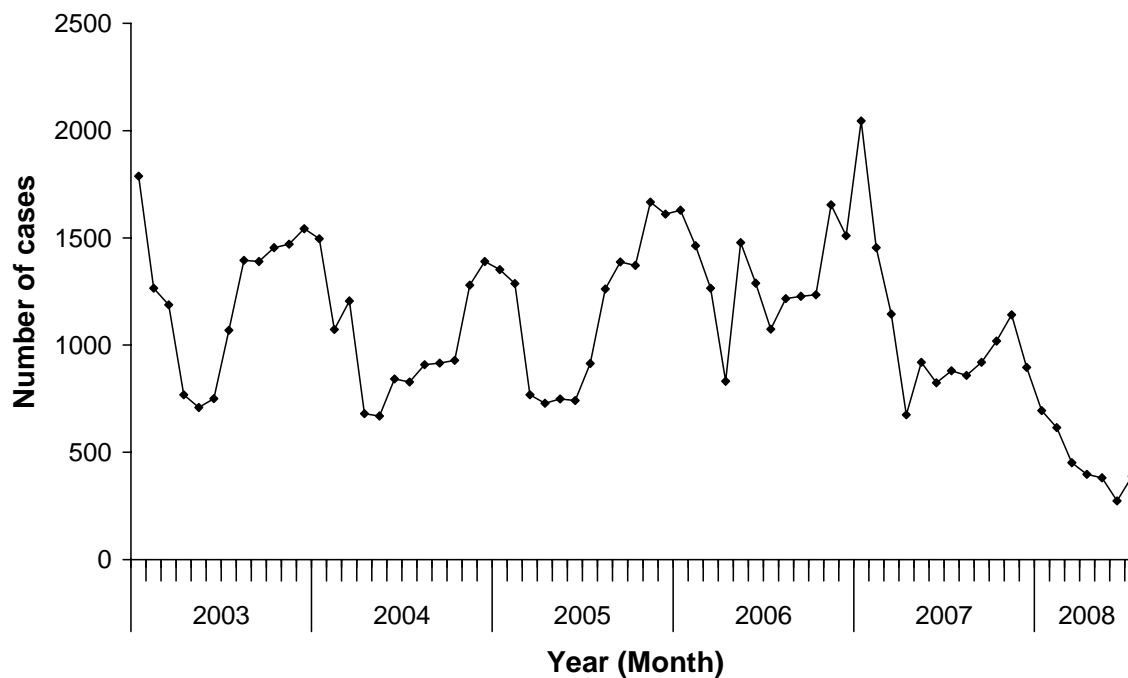
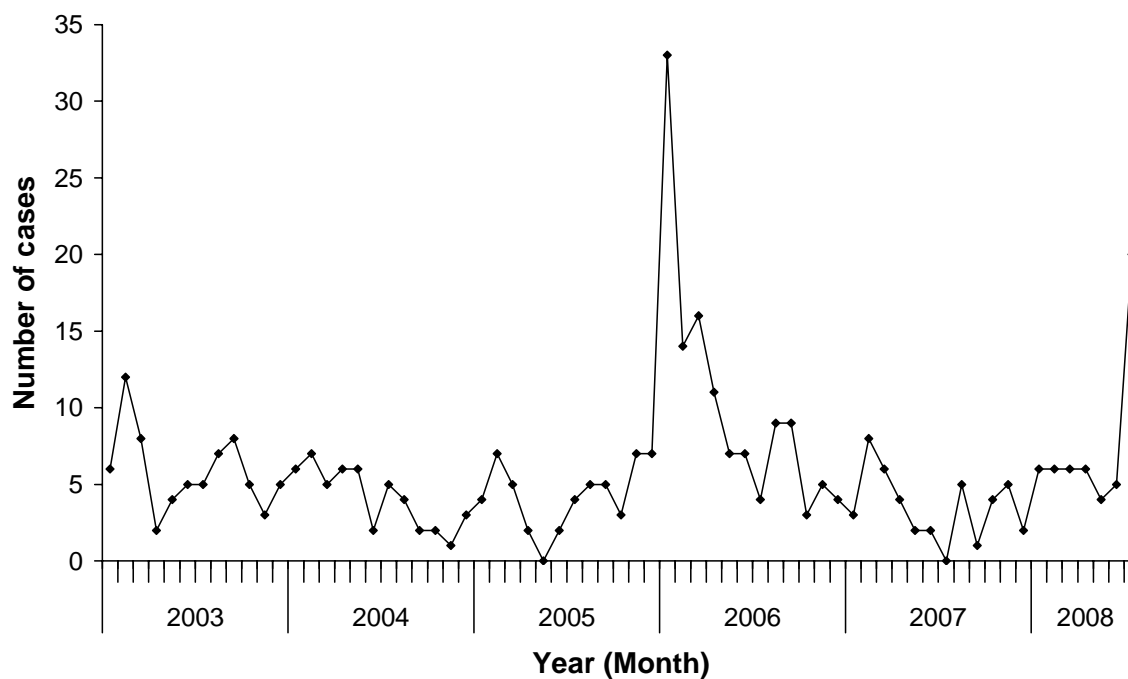


Figure 2: Hepatitis A notifications by month by year, January 2003 – July 2008



5. Data Tables

National Surveillance Data July 2008

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	July 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	July 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	388	3203	190.1	880	7943	349.7
Cryptosporidiosis	18	196	15.6	34	462	23.5
Dengue fever	14	65	2.0	2	96	2.5
Gastroenteritis	57	353	14.8	46	350	15.2
Giardiasis	134	986	36.2	92	859	31.4
Haemophilus influenzae type b	0	7	0.2	1	12	0.3
Hazardous substances injury	0	1	0.1	1	1	0.0
Hepatitis A	20	53	1.7	0	25	1.3
Hepatitis B ⁴	6	31	1.4	3	44	1.6
Hepatitis C ⁴	7	18	0.7	0	20	0.9
Lead absorption	22	137	4.1	4	40	1.6
Legionellosis	5	39	1.4	6	43	1.5
Leptospirosis	10	60	1.9	1	47	2.0
Listeriosis	3	14	0.6	1	13	0.5
Malaria	0	19	0.8	2	11	0.6
Measles	0	8	0.4	2	13	0.5
Meningococcal disease ⁵	17	63	2.5	23	60	3.1
Mumps	7	59	2.4	3	31	1.3
Paratyphoid fever	0	14	0.6	1	13	0.5
Pertussis	25	162	6.8	28	205	13.9
Rheumatic fever	26	186	5.2	75	106	3.1
Rickettsial disease	3	4	0.1	0	1	0.2
Rubella	3	9	0.4	2	5	0.2
Salmonellosis	55	836	32.2	57	748	29.6
Shigellosis	7	67	2.5	19	86	2.9
Tuberculosis disease	29	182	7.2	24	164	8.1
Typhoid fever	6	20	0.8	3	36	1.5
VTEC/STEC infection	2	84	3.0	3	56	2.0
Yersiniosis	37	345	13.7	36	293	12.7

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including July 2008) or the previous year (12 months up to and including July 2007), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

⁵ 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

⁶ Other notifiable infectious disease reported in July: Brucellosis (3) , Hepatitis NOS (1) , Taeniasis (1)

Surveillance Data by District Health Board July 2008

		Cases ¹ and current rate ² for July 2008 by District Health Board ³																					
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	12	39	43	32	38	9	16	4	16	25	5	16	16	47	5	8	2	27	4	19	5	
	Rate	193.6	223.1	218.4	153.6	203.4	188.2	150.5	93.7	234.9	212.5	179.3	134.0	218.4	222.1	113.8	152.4	173.6	173.0	264.3	174.3	188.5	
Cryptosporidiosis	Cases	1	1	1	0	3	0	1	0	0	1	0	1	2	1	1	0	0	3	1	1	0	
	Rate	18.2	5.1	3.9	5.2	35.7	6.9	13.3	13.1	17.7	12.4	4.7	20.1	13.4	11.0	17.7	29.0	34.1	16.1	79.7	19.4	51.6	
Dengue fever	Cases	1	4	5	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
	Rate	0.6	3.5	7.4	3.9	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	1.0	0.0	0.0	0.0	
Gastroenteritis	Cases	1	7	9	4	2	0	7	0	1	0	1	0	3	9	1	0	2	6	0	4	0	
	Rate	3.2	19.1	21.0	9.9	7.9	14.8	12.3	0.0	4.7	9.8	28.3	8.5	19.1	22.7	12.6	5.2	31.0	28.0	3.6	5.9	1.8	
Giardiasis	Cases	3	12	21	22	7	2	6	0	1	3	2	1	2	22	0	5	3	15	1	1	5	
	Rate	37.7	31.6	50.8	35.1	32.6	32.5	37.9	21.8	14.0	28.8	20.4	23.8	20.5	76.4	27.8	35.7	49.6	33.3	18.1	33.4	23.6	
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	0.2	0.0	0.2	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	2	3	1	1	0	0	0	0	0	0	0	11	0	1	0	0	0	1	0	0	0	
	Rate	1.9	1.4	2.3	3.0	1.1	0.0	0.5	0.0	0.9	0.7	1.6	7.3	1.4	0.7	5.1	1.5	0.0	0.8	0.0	1.1	1.8	
Hepatitis B	Cases	0	1	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
	Rate	0.6	1.8	3.0	1.5	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	1.0	0.0	0.0	0.0	
Hepatitis C	Cases	0	0	1	0	0	0	1	0	1	0	0	0	1	2	0	0	0	1	0	0	0	
	Rate	0.0	0.6	0.9	0.4	0.0	1.0	0.5	0.0	3.7	0.0	0.0	0.0	1.4	1.4	2.5	0.0	9.3	0.8	0.0	0.0	0.9	
Lead absorption	Cases	0	5	2	2	1	0	1	0	0	2	0	2	0	1	3	0	0	0	1	0	2	
	Rate	1.9	4.1	6.7	4.3	3.4	4.9	1.5	0.0	1.9	3.3	11.0	3.0	2.8	2.5	10.1	3.0	0.0	5.3	5.4	4.8	5.4	
Legionellosis	Cases	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	
	Rate	1.3	1.0	2.5	1.3	0.6	2.0	2.0	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	0	2	0	2	0	1	0	3	0	0	1	0	0	0	0	0	0	1	0	0	0	
	Rate	1.3	0.6	0.0	0.6	2.3	2.0	1.0	24.0	2.8	6.5	6.3	3.0	0.0	0.4	2.5	2.2	9.3	2.7	1.8	0.5	2.7	
Listeriosis	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Rate	0.0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.3	0.8	2.8	0.4	0.6	0.0	0.0	2.2	0.0	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	0	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	0.7	0.4	0.0	0.0	6.2	1.2	0.0	0.0	0.0	
A Yb]b[cV&VWU' X]gYUgY	Cases	0	0	3	2	3	0	2	0	0	2	1	0	0	1	0	0	0	0	0	1	2	
	Rate	3.2	1.0	2.8	2.4	3.4	1.0	2.0	6.5	3.7	7.2	3.1	0.6	1.4	2.8	2.5	2.2	3.1	2.0	1.8	2.7	4.5	
Mumps	Cases	1	0	1	2	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
	Rate	3.2	1.9	2.5	4.5	3.4	3.0	3.0	0.0	0.0	2.6	1.6	1.2	0.7	3.2	2.5	0.0	0.0	2.2	1.8	0.5	1.8	
Paratyphoid fever	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	0.6	0.2	1.5	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	0.4	0.0	0.0	1.8	
Pertussis	Cases	2	1	1	2	5	0	0	0	0	0	0	1	0	1	0	1	0	5	0	3	3	
	Rate	7.1	3.9	3.0	4.5	20.7	3.9	5.9	4.4	1.9	7.2	0.0	4.3	2.1	4.3	2.5	11.2	6.2	9.2	9.1	6.5	16.3	
Rheumatic fever	Cases	1	7	9	5	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
	Rate	7.1	1.8	2.3	4.9	6.5	42.4	32.5	6.5	0.9	7.2	0.0	1.8	2.1	4.3	2.5	0.0	0.0	0.2	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	0.4	0.2	0.0	0.6	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	2	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.2	0.2	0.4	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.4	0.0	0.7	0.0	0.0	0.0	1.1	0.0	
Salmonellosis	Cases	1	4	8	5	6	0	0	1	3	1	0	3	4	6	1	1	0	3	1	7	0	
	Rate	23.4	22.8	24.5	20.4	35.7	28.6	46.7	24.0	39.1	30.7	18.9	28.0	36.0	37.3	48.1	46.1	24.8	33.5	50.7	60.3	46.2	
Shigellosis	Cases	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	
	Rate	0.6	2.5	5.3	4.3	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	2.4	0.0	1.1	1.8	
Tuberculosis disease	Cases	0	1	5	8	3	0	1	1	0	0	0	0	1	4	0	1	0	4	0	0	0	
	Rate	4.5	9.7	13.9	9.9	5.1	3.0	5.4	2.2	1.9	6.5	7.9	5.5	12.0	7.8	0.0	3.7	0.0	6.3	10.9	0.5	0.0	
Typhoid fever	Cases	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	1.8	2.8	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Rate	5.2	2.9	0.7	2.2	5.9	4.9	3.4	0.0	4.7	2.0	1.6	1.2	0.7	2.5	0.0	4.5	9.3	4.5	5.4	2.2	1.8	
Yersiniosis	Cases	2	6	3	5	2	0	0	0	1	2	1	0	1	5	0	0	4	5	0	0	0	
	Rate	7.1	8.4	9.2	6.7	11.6	20.7	7.9	15.3	13.0	22.2	14.2	6.1	14.1	21.3	0.0	11.9	71.3	31.4	14.5	5.9	9.1	

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including July 2008 expressed as cases per 100 000

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

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Surveillance Data by District Health Board July 2008

		Cases ¹ and current rate ² for July 2008 by District Health Board ³																					
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	12	39	43	32	38	9	16	4	16	25	5	16	16	47	5	8	2	27	4	19	5	
	Rate	193.6	223.1	218.4	153.6	203.4	188.2	150.5	93.7	234.9	212.5	179.3	134.0	218.4	222.1	113.8	152.4	173.6	173.0	264.3	174.3	188.5	
Cryptosporidiosis	Cases	1	1	1	0	3	0	1	0	0	1	0	1	2	1	1	0	0	3	1	1	0	
	Rate	18.2	5.1	3.9	5.2	35.7	6.9	13.3	13.1	17.7	12.4	4.7	20.1	13.4	11.0	17.7	29.0	34.1	16.1	79.7	19.4	51.6	
Dengue fever	Cases	1	4	5	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
	Rate	0.6	3.5	7.4	3.9	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	1.0	0.0	0.0	0.0	
Gastroenteritis	Cases	1	7	9	4	2	0	7	0	1	0	1	0	3	9	1	0	2	6	0	4	0	
	Rate	3.2	19.1	21.0	9.9	7.9	14.8	12.3	0.0	4.7	9.8	28.3	8.5	19.1	22.7	12.6	5.2	31.0	28.0	3.6	5.9	1.8	
Giardiasis	Cases	3	12	21	22	7	2	6	0	1	3	2	1	2	22	0	5	3	15	1	1	5	
	Rate	37.7	31.6	50.8	35.1	32.6	32.5	37.9	21.8	14.0	28.8	20.4	23.8	20.5	76.4	27.8	35.7	49.6	33.3	18.1	33.4	23.6	
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	0.2	0.0	0.2	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	2	3	1	1	0	0	0	0	0	0	0	11	0	1	0	0	0	1	0	0	0	
	Rate	1.9	1.4	2.3	3.0	1.1	0.0	0.5	0.0	0.9	0.7	1.6	7.3	1.4	0.7	5.1	1.5	0.0	0.8	0.0	1.1	1.8	
Hepatitis B	Cases	0	1	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
	Rate	0.6	1.8	3.0	1.5	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	1.0	0.0	0.0	0.0	
Hepatitis C	Cases	0	0	1	0	0	0	1	0	1	0	0	0	1	2	0	0	0	1	0	0	0	
	Rate	0.0	0.6	0.9	0.4	0.0	1.0	0.5	0.0	3.7	0.0	0.0	0.0	1.4	1.4	2.5	0.0	9.3	0.8	0.0	0.0	0.9	
Lead absorption	Cases	0	5	2	2	1	0	1	0	0	2	0	2	0	1	3	0	0	0	1	0	2	
	Rate	1.9	4.1	6.7	4.3	3.4	4.9	1.5	0.0	1.9	3.3	11.0	3.0	2.8	2.5	10.1	3.0	0.0	5.3	5.4	4.8	5.4	
Legionellosis	Cases	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	
	Rate	1.3	1.0	2.5	1.3	0.6	2.0	2.0	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	0	2	0	2	0	1	0	3	0	0	1	0	0	0	0	0	0	1	0	0	0	
	Rate	1.3	0.6	0.0	0.6	2.3	2.0	1.0	24.0	2.8	6.5	6.3	3.0	0.0	0.4	2.5	2.2	9.3	2.7	1.8	0.5	2.7	
Listeriosis	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Rate	0.0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.3	0.8	2.8	0.4	0.6	0.0	0.0	2.2	0.0	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	0	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	0.7	0.4	0.0	0.0	6.2	1.2	0.0	0.0	0.0	
A Yb]b[cV&VWU' X]gYUgY	Cases	0	0	3	2	3	0	2	0	0	2	1	0	0	1	0	0	0	0	0	1	2	
	Rate	3.2	1.0	2.8	2.4	3.4	1.0	2.0	6.5	3.7	7.2	3.1	0.6	1.4	2.8	2.5	2.2	3.1	2.0	1.8	2.7	4.5	
Mumps	Cases	1	0	1	2	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
	Rate	3.2	1.9	2.5	4.5	3.4	3.0	3.0	0.0	0.0	2.6	1.6	1.2	0.7	3.2	2.5	0.0	0.0	2.2	1.8	0.5	1.8	
Paratyphoid fever	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	0.6	0.2	1.5	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	0.4	0.0	0.0	1.8	
Pertussis	Cases	2	1	1	2	5	0	0	0	0	0	0	1	0	1	0	1	0	5	0	3	3	
	Rate	7.1	3.9	3.0	4.5	20.7	3.9	5.9	4.4	1.9	7.2	0.0	4.3	2.1	4.3	2.5	11.2	6.2	9.2	9.1	6.5	16.3	
Rheumatic fever	Cases	1	7	9	5	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	
	Rate	7.1	1.8	2.3	4.9	6.5	42.4	32.5	6.5	0.9	7.2	0.0	1.8	2.1	4.3	2.5	0.0	0.0	0.2	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	0.4	0.2	0.0	0.6	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	2	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.2	0.2	0.4	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.4	0.0	0.7	0.0	0.0	0.0	1.1	0.0	
Salmonellosis	Cases	1	4	8	5	6	0	0	1	3	1	0	3	4	6	1	1	0	3	1	7	0	
	Rate	23.4	22.8	24.5	20.4	35.7	28.6	46.7	24.0	39.1	30.7	18.9	28.0	36.0	37.3	48.1	46.1	24.8	33.5	50.7	60.3	46.2	
Shigellosis	Cases	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	
	Rate	0.6	2.5	5.3	4.3	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	2.4	0.0	1.1	1.8	
Tuberculosis disease	Cases	0	1	5	8	3	0	1	1	0	0	0	0	1	4	0	1	0	4	0	0	0	
	Rate	4.5	9.7	13.9	9.9	5.1	3.0	5.4	2.2	1.9	6.5	7.9	5.5	12.0	7.8	0.0	3.7	0.0	6.3	10.9	0.5	0.0	
Typhoid fever	Cases	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	1.8	2.8	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	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	Rate	5.2	2.9	0.7	2.2	5.9	4.9	3.4	0.0	4.7	2.0	1.6	1.2	0.7	2.5	0.0	4.5	9.3	4.5	5.4	2.2	1.8	
Yersiniosis	Cases	2	6	3	5	2	0	0	0	1	2	1	0	1	5	0	0	4	5	0	0	0	
	Rate	7.1	8.4	9.2	6.7	11.6	20.7	7.9	15.3	13.0	22.2	14.2	6.1	14.1	21.3	0.0	11.9	71.3	31.4	14.5	5.9	9.1	

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including July 2008 expressed as cases per 100 000

³ 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’cZ‘H\Jg’fYdcfh

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

Disease	Cases for the 12 months ending July 2008 ^{1 2} by District Health Board ³																					
	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	8038	298	1145	946	714	718	191	306	43	252	325	114	220	309	625	45	205	56	848	146	324	208
Cryptosporidiosis	658	28	26	17	24	126	7	27	6	19	19	3	33	19	31	7	39	11	79	44	36	57
Dengue fever	83	1	18	32	18	1	3	0	0	0	2	0	1	0	2	0	0	0	5	0	0	0
Gastroenteritis	625	5	98	91	46	28	15	25	0	5	15	18	14	27	64	5	7	10	137	2	11	2
Giardiasis	1529	58	162	220	163	115	33	77	10	15	44	13	39	29	215	11	48	16	163	10	62	26
Haemophilus influenzae type b	10	1	1	0	1	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	70	3	7	10	14	4	0	1	0	1	1	1	12	2	2	2	2	0	4	0	2	2
Hepatitis B	60	1	9	13	7	3	3	1	1	2	0	1	1	4	6	1	2	0	5	0	0	0
Hepatitis C	30	0	3	4	2	0	1	1	0	4	0	0	0	2	4	1	0	3	4	0	0	1
Lead absorption	175	3	21	29	20	12	5	3	0	2	5	7	5	4	7	4	4	0	26	3	9	6
Legionellosis	60	2	5	11	6	2	2	4	0	1	5	0	1	2	3	0	1	0	12	1	1	1
Leptospirosis	79	2	3	0	3	8	2	2	11	3	10	4	5	0	1	1	3	3	13	1	1	3
Listeriosis	27	0	1	1	4	4	0	2	0	1	0	1	2	2	2	1	0	0	4	1	1	0
Malaria	33	2	4	12	2	2	0	0	1	0	0	0	0	1	1	0	0	0	6	0	1	1
Measles	19	0	5	1	0	0	0	0	0	1	2	0	0	1	1	0	0	2	6	0	0	0
Meningococcal disease	107	5	5	12	11	12	1	4	3	4	11	2	1	2	8	1	3	1	10	1	5	5
Mumps	101	5	10	11	21	12	3	6	0	0	4	1	2	1	9	1	0	0	11	1	1	2
Paratyphoid fever	24	1	3	1	7	3	1	1	0	0	0	0	0	1	2	0	0	0	2	0	0	2
Pertussis	289	11	20	13	21	73	4	12	2	2	11	0	7	3	12	1	15	2	45	5	12	18
Rheumatic fever	220	11	9	10	23	23	43	66	3	1	11	0	3	3	12	1	0	0	1	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	0
Rubella	15	1	1	1	2	0	0	2	0	0	2	0	2	0	1	0	1	0	0	0	2	0
Salmonellosis	1362	36	117	106	95	126	29	95	11	42	47	12	46	51	105	19	62	8	164	28	112	51
Shigellosis	107	1	13	23	20	5	2	4	0	2	2	0	1	6	9	0	3	0	12	0	2	2
Tuberculosis disease	304	7	50	60	46	18	3	11	1	2	10	5	9	17	22	0	5	0	31	6	1	0
Typhoid fever	32	0	1	8	13	1	0	0	0	1	1	1	1	2	1	0	0	0	2	0	0	0
VTEC/STEC infection	128	8	15	3	10	21	5	7	0	5	3	1	2	1	7	0	6	3	22	3	4	2
Yersiniosis	579	11	43	40	31	41	21	16	7	14	34	9	10	20	60	0	16	23	154	8	11	10
Total	14788	501	1798	1678	1334	1362	374	675	101	379	565	193	417	509	1214	101	422	138	1769	260	599	399

¹ These data are provisional

² Further data are available from the local Medical Officer of Health

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

National Surveillance Data July 2008

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	July 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	July 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	388	3203	190.1	880	7943	349.7
Cryptosporidiosis	18	196	15.6	34	462	23.5
Dengue fever	14	65	2.0	2	96	2.5
Gastroenteritis	57	353	14.8	46	350	15.2
Giardiasis	134	986	36.2	92	859	31.4
Haemophilus influenzae type b	0	7	0.2	1	12	0.3
Hazardous substances injury	0	1	0.1	1	1	0.0
Hepatitis A	20	53	1.7	0	25	1.3
<YdUhhg'6	6	31	1.4	3	44	1.6
<YdUhhg'7	7	18	0.7	0	20	0.9
Lead absorption	22	137	4.1	4	40	1.6
Legionellosis	5	39	1.4	6	43	1.5
Leptospirosis	10	60	1.9	1	47	2.0
Listeriosis	3	14	0.6	1	13	0.5
Malaria	0	19	0.8	2	11	0.6
Measles	0	8	0.4	2	13	0.5
A Yb]b[cWcWw'X]gYUgY	17	63	2.5	23	60	3.1
Mumps	7	59	2.4	3	31	1.3
Paratyphoid fever	0	14	0.6	1	13	0.5
Pertussis	25	162	6.8	28	205	13.9
Rheumatic fever	26	186	5.2	75	106	3.1
Rickettsial disease	3	4	0.1	0	1	0.2
Rubella	3	9	0.4	2	5	0.2
Salmonellosis	55	836	32.2	57	748	29.6
Shigellosis	7	67	2.5	19	86	2.9
Tuberculosis disease	29	182	7.2	24	164	8.1
Typhoid fever	6	20	0.8	3	36	1.5
VTEC/STEC infection	2	84	3.0	3	56	2.0
Yersiniosis	37	345	13.7	36	293	12.7

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including July 2008) or the previous year (12 months up to and including July 2007), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

'Cb`mUW`hY`WUgY'cZ`h`jg`X]gYUgY`UFY`W`ffYbhmbch]Z]UV`Y`
'H\YgY`hcHU`g`UbX`fUH`g`UFY`XYf]j`YX`Zfca`'h`Y`9d]Gi`fj`fYdcfhXUH`Y`Ug`cddcgYX`'hc`'h`Y`YUF`jYghUj`Uj`UV`Y`XUH`Y`i`gYX`j'b`h`Y`
a`Yb]b[`cWcWw`'X]gYUgY`gYVh]cb`cZ`h`jg`fYdcfh`
'CH`Yf`bch]Z]UV`Y`j'bZYVh]ci`g`X]gYUgY`fYdcfhYX`j'b`>`m`6fi`W`cg]g`f'l`E`Z`<YdUhhg`BCG`fW`E`Z`HUYb]Ug]g`fW`E`