
MONTHLY SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 4 June 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 May 2008 from Waikato DHB. The case had been to Tonga during December 2007 and drank tap water.
- *Campylobacter*: The number of campylobacter notifications has continued to drop from 397 in April 2008 to 379 in May 2008. For the 12 month period ending 31 May 2008 the national rate was 214.7 per 100 000 population compared to 369.1 for the same 12 month period last year.
- *Cryptosporidiosis*: 32 cryptosporidiosis cases were notified in May 2008 compared to 86 cases notified in the same month of the previous year. For the 12 month period ending 31 May 2008 the national rate was 16.5 per 100 000 population compared to 23.1 for the same 12 month period last year.
- *Giardiasis*: 173 giardiasis cases were notified in May 2008 compared to 133 cases notified in the same month of the previous year (Figure 1). The highest number of the cases were reported from Capital and Coast (37), and Canterbury (28) DHBs. For the 12 month period ending 31 May 2008, Capital and Coast DHB recorded the highest annual incidence rate of 70.7 per 100 000 population (37 cases) compared to the national rate of 34.7 per 100 000 population. Among the cases for whom this information was recorded, 53.3% (8/15) had recreational water contact, 40.0% (4/10) had consumed non-habitual water supply, 40.0% (6/15) had contact with other symptomatic people, 40.0% (12/30) had been overseas, 38.5% (5/13) had consumed untreated water, 28.6% (4/14) had consumed food from a food premise, 26.7% (4/15) had contact with farm animals, 25.0% (4/16) had attended school, pre-school or childcare, and 7.1% (1/14) had contact with sick animals during the incubation period.

- *Hydatid disease:* One case of hydatid disease was notified in May 2008. The case was from Otago DHB in the 50-59 years age group with a long history of employment on farms and freezing works.
- *Leprosy:* One case of leprosy, still under investigation was notified in May 2008. The case was from Canterbury DHB who had been to Papua New Guinea during the incubation period. This is an old case with the onset date of October 2007.
- *Measles:* Three cases of measles were notified in May 2008 compared to one notified case in the same month of the previous year. The cases were reported from Hawke's Bay (2) and Capital and Coast (1) DHBs. One case aged 15-19 years was laboratory confirmed and not immunised. Another case aged 1-4 years is awaiting laboratory confirmation and has received one dose of MMR. The remaining case aged 10-14 years was not laboratory confirmed or immunised.
- *Meningococcal disease:* Based on the earliest date available¹, seven cases of meningococcal disease were notified during May 2008, six (85.7%) were laboratory-confirmed. In comparison, seven cases were notified the previous month, April 2008, and eight cases were notified during the same month last year, May 2007. For the 12 month period ending 31 May 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 Northland (3.9 per 100 000, 6 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 (5.2 per 100 000 population, 15 cases).
- *Mumps:* Six cases of mumps were notified in May 2008 compared to two notified cases in the same month of the previous year (Figure 2). The cases were reported from Waitemata (2), Auckland (1), Counties Manukau (1), Lakes (1), and Canterbury (1) DHBs. Two cases were laboratory confirmed aged 1-4 years and 40-49 years, one not immunised, one unknown. Of the remaining four non-laboratory confirmed cases, three were recorded as immunised but the number of doses received was unknown. One case had been to Rarotonga during the incubation period.
- *Rubella:* Three cases of rubella were notified in May 2008 bringing the year to date total to five. The cases were reported from Bay of Plenty (2) and Waitemata (1) DHBs, aged 1-4 years (2) and <1 year (1). One case was not immunised, the other two cases had unknown immunisation status. Laboratory confirmation is unknown for two cases and awaited for the remaining case.
- *Shigellosis:* 23 cases of shigellosis were notified in May 2008 compared to 16 notified cases in the same month of the previous year. The cases were reported from Counties Manukau (9), Auckland (5), Capital and Coast (3), Waitemata (2), Canterbury (2), Nelson Marlborough (1), and Otago (1) DHBs. One case was hospitalised. The serotype involved was identified for 22 of the cases. The

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.

dominant serotypes were: *Shigella sonnei* biotype g (8 cases), *S. sonnei* biotype a (5), *S. flexneri* 2 (2), *S. flexneri* 2a (2), *S. flexneri* 6 (2), *S. boydii* 5 (1), *S. flexneri* 3d (1), and *S. flexneri* 1 (1).

- *Taeniasis*: One case was notified with taeniasis in May 2008. The case was from Auckland DHB and had been to Afghanistan during the incubation period.

2. Outbreaks

Completed outbreak reports

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

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

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	West Coast	1	2
<i>Campylobacter</i>	Auckland	1	2
Gastroenteritis	Otago	1	19
<i>Giardia</i>	Auckland, Canterbury	3	19
Norovirus	Wanganui, Hutt, Canterbury, Otago	5	135
<i>Salmonella</i>	Auckland	1	3
Total		12	180

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.

Table 2: Summary of interim outbreaks reported to ESR during May 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Gastroenteritis	Auckland, Waikato, Tauranga, Taranaki, Wellington	18	27
<i>Giardia</i>	Auckland	1	2
Norovirus	Auckland, Tauranga	2	36
<i>Shigella</i>	Auckland, Wellington	2	7
Total		23	72

3. Trends in selected diseases to May 2008

Figure 1: Giardiasis notifications by month by year, January 2003 – May 2008

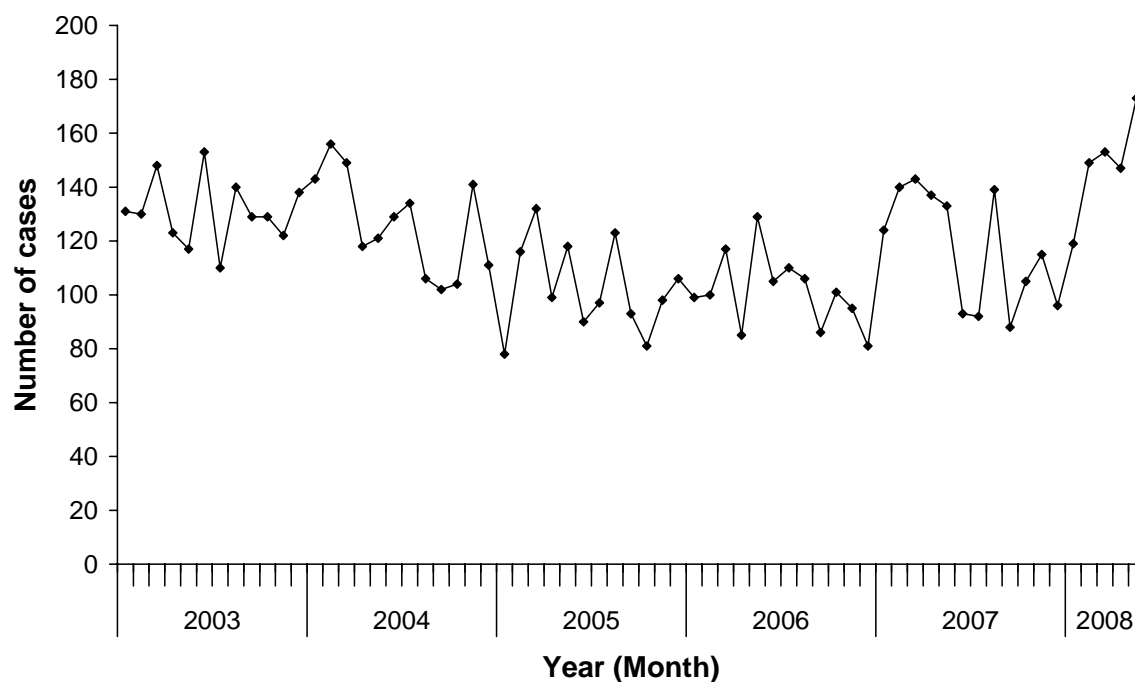
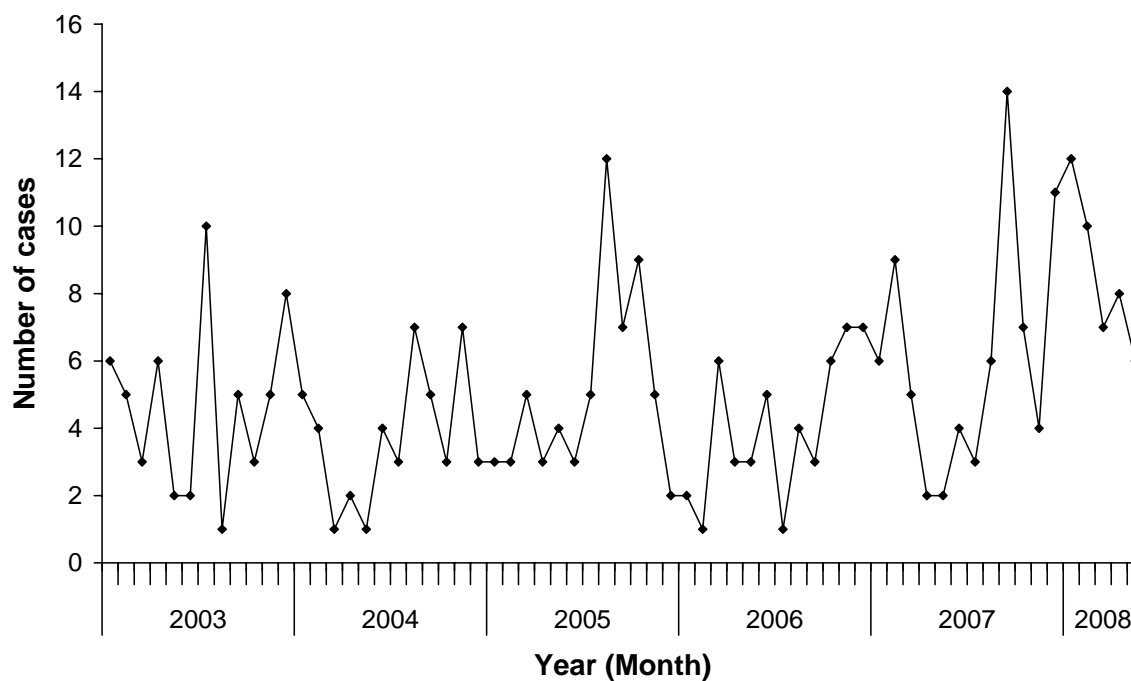


Figure 2: Mumps notifications by month by year, January 2003 – May 2008



4. Data Tables

National Surveillance Data May 2008

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	May 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	May 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	379	2538	214.7	920	6239	369.1
Cryptosporidiosis	32	154	16.5	86	381	23.1
Dengue fever	2	45	1.7	12	89	2.4
Gastroenteritis	33	254	14.4	50	267	16.6
Giardiasis	173	741	34.7	133	674	32.5
Haemophilus influenzae type b	2	8	0.4	1	8	0.3
Hazardous substances injury	0	1	0.1	0	0	0.0
Hepatitis A	5	29	1.1	2	23	1.5
Hepatitis B ⁴	8	26	1.5	5	35	1.7
Hepatitis C ⁴	3	11	0.6	4	17	0.9
Hydatid disease	1	3	0.2	2	2	0.0
Lead absorption	16	90	3.2	4	32	1.6
Legionellosis	7	35	1.5	7	34	1.5
Leprosy	1	3	0.2	3	4	0.2
Leptospirosis	4	37	1.5	10	41	2.2
Listeriosis	0	11	0.6	3	10	0.5
Malaria	4	15	0.8	3	6	0.6
Measles	3	5	0.4	1	10	0.5
Meningococcal disease ⁵	8	35	2.6	8	29	3.4
Mumps	6	43	2.2	2	24	1.3
Paratyphoid fever	0	12	0.6	1	10	0.6
Pertussis	29	114	7.1	27	147	17.0
Rheumatic fever	12	146	6.2	7	23	1.8
Rickettsial disease	1	1	0.0	0	1	0.3
Rubella	3	5	0.4	0	1	0.2
Salmonellosis	118	727	32.9	124	612	29.5
Shigellosis	23	54	2.9	16	56	2.5
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	32	133	7.1	30	120	8.6
Typhoid fever	2	13	0.7	7	32	1.5
VTEC/STEC infection	11	73	2.9	9	49	2.0
Yersiniosis	34	276	14.0	39	212	12.2

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including May 2008) or the previous year (12 months up to and including May 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 May: Brucellosis (1) , Taeniasis (1)

Surveillance Data by District Health Board May 2008

		Cases ¹ and current rate ² for May 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	15	48	35	29	26	10	12	7	8	18	5	9	16	39	1	15	4	34	9	19	20
	Rate	212.5	248.6	241.9	173.4	229.1	212.8	166.7	76.3	267.5	246.5	209.2	151.6	245.9	251.3	126.5	188.1	204.7	204.2	278.8	193.1	214.7
Cryptosporidiosis	Cases	2	1	1	1	6	1	2	0	1	0	0	1	2	2	0	0	0	8	2	0	2
	Rate	15.6	5.8	5.3	5.4	36.5	11.8	12.8	13.1	16.8	12.4	4.7	21.9	14.8	17.8	20.2	30.5	37.2	16.1	79.7	18.3	51.6
Dengue fever	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.7	6.5	3.0	0.3	3.0	0.0	0.0	0.9	1.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
Gastroenteritis	Cases	0	3	7	1	1	0	0	0	0	0	4	2	2	7	0	0	0	6	0	0	0
	Rate	3.2	18.3	21.5	9.7	7.6	13.8	9.3	0.0	3.7	11.8	25.2	9.1	19.1	21.3	7.6	3.0	24.8	30.2	3.6	2.7	1.8
Giardiasis	Cases	10	18	17	19	8	3	8	1	1	3	1	1	1	37	2	3	2	28	0	10	0
	Rate	37.7	30.6	48.9	32.3	30.0	33.5	38.4	15.3	15.8	28.1	20.4	25.0	20.5	70.7	35.4	35.7	40.3	30.6	18.1	34.4	23.6
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.6	0.0	0.6	0.0	0.0	1.0	4.4	0.0	0.0	0.0	0.0	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Rate	0.6	0.8	1.8	2.4	0.8	0.0	0.5	0.0	0.9	2.0	1.6	0.0	1.4	0.4	5.1	1.5	0.0	0.6	0.0	1.1	2.7
Hepatitis B	Cases	0	2	2	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
	Rate	0.6	1.6	3.0	1.7	0.8	1.0	0.5	2.2	3.7	1.3	1.6	0.6	2.1	2.1	5.1	1.5	0.0	1.4	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.6	0.7	0.4	0.0	1.0	0.0	0.0	2.8	0.0	0.0	0.0	1.4	0.7	2.5	0.0	9.3	1.0	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	1	0
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0
Lead absorption	Cases	0	6	0	4	2	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0
	Rate	1.9	3.3	3.5	3.0	2.8	2.0	2.0	0.0	1.9	2.0	9.4	1.2	2.8	2.5	2.5	3.7	0.0	5.1	3.6	5.4	3.6
Legionellosis	Cases	0	0	4	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.4	2.8	1.9	0.3	2.0	1.5	0.0	1.9	2.0	0.0	0.6	1.4	1.1	0.0	1.5	0.0	2.7	0.0	0.5	1.8
Leprosy	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	0.0	0.0	1.3	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	0.2	0.0	0.0	0.0
Leptospirosis	Cases	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0
	Rate	1.3	0.2	0.0	0.2	2.0	1.0	0.5	4.4	2.8	5.9	3.1	3.7	0.0	0.4	2.5	2.2	9.3	2.7	1.8	1.1	2.7
Listeriosis	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	0.2	0.2	0.6	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	0.0	0.0
Malaria	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0.7	0.0	1.2	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.3	0.0	0.0	0.7	0.7	0.0	1.5	6.2	0.4	0.0	0.0	0.0
A Yb]b[cV&WU' X]gYUgY	Cases	1	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	3	0	0	0
	Rate	3.9	1.0	1.6	3.2	3.7	1.0	1.5	4.4	3.7	8.5	1.6	1.2	3.5	3.6	2.5	1.5	3.1	2.2	1.8	2.7	1.8
Mumps	Cases	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	1.9	2.1	2.1	4.1	2.8	2.0	2.5	0.0	0.9	1.3	1.6	1.2	0.7	2.5	2.5	0.7	0.0	2.7	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	0.4	0.5	1.5	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	0	3	2	1	8	0	2	0	0	1	1	2	0	0	0	1	2	4	1	0	1
	Rate	4.5	4.1	2.8	4.3	21.2	3.9	8.9	4.4	1.9	6.5	1.6	3.7	3.5	4.3	2.5	14.9	6.2	9.8	18.1	4.8	12.7
Rheumatic fever	Cases	2	0	0	0	5	0	0	1	0	3	0	0	1	0	0	0	0	0	0	0	0
	Rate	5.8	1.8	4.4	11.8	6.2	44.3	33.4	6.5	0.9	5.9	1.6	2.4	2.8	3.9	2.5	0.0	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	1	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	0.0	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	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.0	0.2	0.0	0.0	1.0	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	3	11	10	13	9	2	7	0	7	1	3	4	4	9	1	7	0	13	1	11	2
	Rate	24.7	24.4	24.0	20.9	35.7	29.6	51.6	17.4	39.1	32.0	23.6	26.8	34.6	39.1	40.5	46.8	24.8	34.7	47.1	57.6	51.6
Shigellosis	Cases	0	2	5	9	0	0	0	0	0	0	0	0	0	3	0	1	0	2	0	1	0
	Rate	0.0	2.5	6.5	4.7	1.4	3.9	2.0	0.0	1.9	2.0	0.0	1.2	4.9	3.9	0.0	3.0	0.0	2.7	1.8	1.1	2.7
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	6	5	2	2	2	0	0	0	0	0	2	1	0	1	0	3	2	1	0
	Rate	3.2	9.4	14.3	9.5	5.1	3.9	4.4	0.0	2.8	9.2	6.3	6.1	14.1	6.4	0.0	3.7	0.0	5.9	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.8	2.2	0.6	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	0.0	0.0
VTEC/STEC infection	Cases	3	0	1	0	0	0	1	0	1	0	1	0	0	1	0	0	1	2	0	0	0
	Rate	5.8	2.9	0.9	1.7	4.8	5.9	3.9	0.0	3.7	2.0	1.6	0.6	0.7	2.5	0.0	3.7	9.3	4.7	5.4	1.6	2.7
Yersiniosis	Cases	1	2	3	1	3	3	0	0	0	0	1	0	0	3	0	1	2	10	1	2	1
	Rate	6.5	8.4	9.9	5.6	11.6	22.7	8.9	17.4	14.9	21.6	14.2	6.7	16.3	19.2	5.1	11.2	65.1	32.4	23.5	7.0	9.1

¹ These data are provisional

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

³ 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'fYdcfh'XUH'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 May 2008

		Cases ¹ and current rate ² for May 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	15	48	35	29	26	10	12	7	8	18	5	9	16	39	1	15	4	34	9	19	20
	Rate	212.5	248.6	241.9	173.4	229.1	212.8	166.7	76.3	267.5	246.5	209.2	151.6	245.9	251.3	126.5	188.1	204.7	204.2	278.8	193.1	214.7
Cryptosporidiosis	Cases	2	1	1	1	6	1	2	0	1	0	0	1	2	2	0	0	0	8	2	0	2
	Rate	15.6	5.8	5.3	5.4	36.5	11.8	12.8	13.1	16.8	12.4	4.7	21.9	14.8	17.8	20.2	30.5	37.2	16.1	79.7	18.3	51.6
Dengue fever	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	2.7	6.5	3.0	0.3	3.0	0.0	0.0	0.9	1.3	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
Gastroenteritis	Cases	0	3	7	1	1	0	0	0	0	0	4	2	2	7	0	0	0	6	0	0	0
	Rate	3.2	18.3	21.5	9.7	7.6	13.8	9.3	0.0	3.7	11.8	25.2	9.1	19.1	21.3	7.6	3.0	24.8	30.2	3.6	2.7	1.8
Giardiasis	Cases	10	18	17	19	8	3	8	1	1	3	1	1	1	37	2	3	2	28	0	10	0
	Rate	37.7	30.6	48.9	32.3	30.0	33.5	38.4	15.3	15.8	28.1	20.4	25.0	20.5	70.7	35.4	35.7	40.3	30.6	18.1	34.4	23.6
Haemophilus influenzae type b	Cases	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.6	0.0	0.6	0.0	0.0	1.0	4.4	0.0	0.0	0.0	0.0	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Rate	0.6	0.8	1.8	2.4	0.8	0.0	0.5	0.0	0.9	2.0	1.6	0.0	1.4	0.4	5.1	1.5	0.0	0.6	0.0	1.1	2.7
Hepatitis B	Cases	0	2	2	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
	Rate	0.6	1.6	3.0	1.7	0.8	1.0	0.5	2.2	3.7	1.3	1.6	0.6	2.1	2.1	5.1	1.5	0.0	1.4	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.6	0.7	0.4	0.0	1.0	0.0	0.0	2.8	0.0	0.0	0.0	1.4	0.7	2.5	0.0	9.3	1.0	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	1	0
	Rate	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0
Lead absorption	Cases	0	6	0	4	2	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0
	Rate	1.9	3.3	3.5	3.0	2.8	2.0	2.0	0.0	1.9	2.0	9.4	1.2	2.8	2.5	2.5	3.7	0.0	5.1	3.6	5.4	3.6
Legionellosis	Cases	0	0	4	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.4	2.8	1.9	0.3	2.0	1.5	0.0	1.9	2.0	0.0	0.6	1.4	1.1	0.0	1.5	0.0	2.7	0.0	0.5	1.8
Leprosy	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	0.0	0.0	1.3	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	0.2	0.0	0.0	0.0
Leptospirosis	Cases	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0
	Rate	1.3	0.2	0.0	0.2	2.0	1.0	0.5	4.4	2.8	5.9	3.1	3.7	0.0	0.4	2.5	2.2	9.3	2.7	1.8	1.1	2.7
Listeriosis	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	0.2	0.2	0.6	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	0.0	0.0
Malaria	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0.7	0.0	1.2	0.0	0.5	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.3	0.0	0.0	0.7	0.7	0.0	1.5	6.2	0.4	0.0	0.0	0.0
A Yb]b[cV&WU' X]gYUgY	Cases	1	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	3	0	0	0
	Rate	3.9	1.0	1.6	3.2	3.7	1.0	1.5	4.4	3.7	8.5	1.6	1.2	3.5	3.6	2.5	1.5	3.1	2.2	1.8	2.7	1.8
Mumps	Cases	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	1.9	2.1	2.1	4.1	2.8	2.0	2.5	0.0	0.9	1.3	1.6	1.2	0.7	2.5	2.5	0.7	0.0	2.7	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	0.4	0.5	1.5	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	0	3	2	1	8	0	2	0	0	1	1	2	0	0	0	1	2	4	1	0	1
	Rate	4.5	4.1	2.8	4.3	21.2	3.9	8.9	4.4	1.9	6.5	1.6	3.7	3.5	4.3	2.5	14.9	6.2	9.8	18.1	4.8	12.7
Rheumatic fever	Cases	2	0	0	0	5	0	0	1	0	3	0	0	1	0	0	0	0	0	0	0	0
	Rate	5.8	1.8	4.4	11.8	6.2	44.3	33.4	6.5	0.9	5.9	1.6	2.4	2.8	3.9	2.5	0.0	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	Cases	0	0	1	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	0.0	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	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.4	0.0	0.2	0.0	0.0	1.0	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	3	11	10	13	9	2	7	0	7	1	3	4	4	9	1	7	0	13	1	11	2
	Rate	24.7	24.4	24.0	20.9	35.7	29.6	51.6	17.4	39.1	32.0	23.6	26.8	34.6	39.1	40.5	46.8	24.8	34.7	47.1	57.6	51.6
Shigellosis	Cases	0	2	5	9	0	0	0	0	0	0	0	0	0	3	0	1	0	2	0	1	0
	Rate	0.0	2.5	6.5	4.7	1.4	3.9	2.0	0.0	1.9	2.0	0.0	1.2	4.9	3.9	0.0	3.0	0.0	2.7	1.8	1.1	2.7
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	6	5	2	2	2	0	0	0	0	0	2	1	0	1	0	3	2	1	0
	Rate	3.2	9.4	14.3	9.5	5.1	3.9	4.4	0.0	2.8	9.2	6.3	6.1	14.1	6.4	0.0	3.7	0.0	5.9	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.8	2.2	0.6	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	0.0	0.0
VTEC/STEC infection	Cases	3	0	1	0	0	0	1	0	1	0	1	0	0	1	0	0	1	2	0	0	0
	Rate	5.8	2.9	0.9	1.7	4.8	5.9	3.9	0.0	3.7	2.0	1.6	0.6	0.7	2.5	0.0	3.7	9.3	4.7	5.4	1.6	2.7
Yersiniosis	Cases	1	2	3	1	3	3	0	0	0	0	1	0	0	3	0	1	2	10	1	2	1
	Rate	6.5	8.4	9.9	5.6	11.6	22.7	8.9	17.4	14.9	21.6	14.2	6.7	16.3	19.2	5.1	11.2	65.1	32.4	23.5	7.0	9.1

¹ These data are provisional

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

³ 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'fYdcfh'XUH'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 for the 12 months ending May-2008 by District Health Board

Disease	Cases for the 12 months ending May 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	9077	327	1276	1048	806	809	216	339	35	287	377	133	249	348	707	50	253	66	1001	154	359	237
Cryptosporidiosis	697	24	30	23	25	129	12	26	6	18	19	3	36	21	50	8	41	12	79	44	34	57
Dengue fever	70	0	14	28	14	1	3	0	0	1	2	0	1	0	0	0	0	0	6	0	0	0
Gastroenteritis	609	5	94	93	45	27	14	19	0	4	18	16	15	27	60	3	4	8	148	2	5	2
Giardiasis	1469	58	157	212	150	106	34	78	7	17	43	13	41	29	199	14	48	13	150	10	64	26
Haemophilus influenzae type b	15	1	3	0	3	0	0	2	2	0	0	0	0	0	2	1	0	0	1	0	0	0
Hazardous substances injury	4	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	48	1	4	8	11	3	0	1	0	1	3	1	0	2	1	2	2	0	3	0	2	3
Hepatitis B	64	1	8	13	8	3	1	1	1	4	2	1	1	3	6	2	2	0	7	0	0	0
Hepatitis C	26	0	3	3	2	0	1	0	0	3	0	0	0	2	2	1	0	3	5	0	0	1
Highly Pathogenic Avian Influenza	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydatid disease	7	0	1	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0
Lead absorption	136	3	17	15	14	10	2	4	0	2	3	6	2	4	7	1	5	0	25	2	10	4
Legionellosis	65	2	7	12	9	1	2	3	0	2	3	0	1	2	3	0	2	0	13	0	1	2
Leprosy	7	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Leptospirosis	62	2	1	0	1	7	1	1	2	3	9	2	6	0	1	1	3	3	13	1	2	3
Listeriosis	27	2	1	1	3	4	0	2	0	1	0	1	2	2	2	1	0	0	4	1	0	0
Malaria	34	2	4	12	2	2	0	0	1	0	0	0	0	1	1	0	1	0	6	0	1	1
Measles	19	0	5	0	0	0	0	0	0	3	2	0	0	1	2	0	2	2	2	0	0	0
Meningococcal disease	110	6	5	7	15	13	1	3	2	4	13	1	2	5	10	1	2	1	11	1	5	2
Mumps	92	3	11	9	19	10	2	5	0	1	2	1	2	1	7	1	1	0	13	1	1	2
Paratyphoid fever	25	1	2	2	7	2	1	1	0	0	1	0	0	1	2	0	0	0	3	0	0	2
Pertussis	299	7	21	12	20	75	4	18	2	2	10	1	6	5	12	1	20	2	48	10	9	14
Rheumatic fever	263	9	9	19	55	22	45	68	3	1	9	1	4	4	11	1	0	0	2	0	0	0
Rickettsial disease	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	15	1	2	0	1	0	0	2	0	0	0	0	2	0	3	0	1	1	0	0	2	0
Salmonellosis	1389	38	125	104	97	126	30	105	8	42	49	15	44	49	110	16	63	8	170	26	107	57
Shigellosis	124	0	13	28	22	5	4	4	0	2	3	0	2	7	11	0	4	0	13	1	2	3
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis disease	300	5	48	62	44	18	4	9	0	3	14	4	10	20	18	0	5	0	29	6	1	0
Typhoid fever	29	0	1	8	10	2	0	0	0	1	1	1	1	1	1	0	0	0	2	0	0	0
VTEC/STEC infection	124	9	15	4	8	17	6	8	0	4	3	1	1	1	7	0	5	3	23	3	3	3
Yersiniosis	591	10	43	43	26	41	23	18	8	16	33	9	11	23	54	2	15	21	159	13	13	10
Total	15799	517	1921	1769	1427	1434	406	717	77	422	620	210	439	559	1289	106	479	143	1938	275	622	429

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 May 2008

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	May 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	May 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	379	2538	214.7	920	6239	369.1
Cryptosporidiosis	32	154	16.5	86	381	23.1
Dengue fever	2	45	1.7	12	89	2.4
Gastroenteritis	33	254	14.4	50	267	16.6
Giardiasis	173	741	34.7	133	674	32.5
Haemophilus influenzae type b	2	8	0.4	1	8	0.3
Hazardous substances injury	0	1	0.1	0	0	0.0
Hepatitis A	5	29	1.1	2	23	1.5
<YdUhhjg'6	8	26	1.5	5	35	1.7
<YdUhhjg'7	3	11	0.6	4	17	0.9
Hydatid disease	1	3	0.2	2	2	0.0
Lead absorption	16	90	3.2	4	32	1.6
Legionellosis	7	35	1.5	7	34	1.5
Leprosy	1	3	0.2	3	4	0.2
Leptospirosis	4	37	1.5	10	41	2.2
Listeriosis	0	11	0.6	3	10	0.5
Malaria	4	15	0.8	3	6	0.6
Measles	3	5	0.4	1	10	0.5
A Yb]b[cWcWw'X]gYUgY	8	35	2.6	8	29	3.4
Mumps	6	43	2.2	2	24	1.3
Paratyphoid fever	0	12	0.6	1	10	0.6
Pertussis	29	114	7.1	27	147	17.0
Rheumatic fever	12	146	6.2	7	23	1.8
Rickettsial disease	1	1	0.0	0	1	0.3
Rubella	3	5	0.4	0	1	0.2
Salmonellosis	118	727	32.9	124	612	29.5
Shigellosis	23	54	2.9	16	56	2.5
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	32	133	7.1	30	120	8.6
Typhoid fever	2	13	0.7	7	32	1.5
VTEC/STEC infection	11	73	2.9	9	49	2.0
Yersiniosis	34	276	14.0	39	212	12.2

¹ These data are provisional

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

³ 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'hcHU'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'j'b'h\Y

a'Yb]b[cWcWw'X]gYUgY'gYV]cb'cZ'h.]g'fYdcfh

'ChYf'bch]Z]UV'Y'j'bZYV]ci'g'X]gYUgY'fYdcfhYX'j'b'A'Um'6fi'W'cg]g'fYc'Z'HUYb]Ug]g'fYc