MONTHLY SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 4 April 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 March 2008 from Waitemata DHB. The case was a pig farmer and acquired the disease in Tonga.

- *Campylobacter:* 450 campylobacter cases were notified in March 2008 compared to 1145 cases notified in the same month of the previous year (Figure 1). The majority of the cases were reported from the Auckland region (160 cases, 35.6%). For the 12 month period ending 31 March 2008, Taranaki DHB recorded the highest annual incidence rate of 301.1 per 100 000 population (8 cases) compared to the national rate of 234.0 per 100 000 population. Overall, 20 cases were hospitalised. Among the cases for whom this information was recorded, 51.2% (21/41) had consumed food from a food premise, 37.5% (18/48) had contact with farm animals, 21.7% (10/46) had contact with other symptomatic people, 19.0% (11/58) had attended school, pre-school or childcare, 18.4% (7/38) had consumed non-habitual water supply, 16.7% (7/42) had faecal contact, 11.8% (4/34) had consumed untreated water, 9.8% (4/41) had recreational water contact, and 5.0% (2/40) had contact with a sick animal during the incubation period.

- *Lead absorption:* 35 cases of lead absorption were notified in March 2008 compared to 14 notified cases in the same month of the previous year (Figure 2). The cases were from Auckland (8), Canterbury (8), Counties Manukau (4), Northland (3), Waitemata (3), Whanganui (3), Hawke's Bay (2), Otago (2) and Southland (2) DHBs. The cases were aged between 1-4 years and 70+ years, with the highest number of cases in the 40-49 years and 50-59 years age group (10 cases each). Risk factor information was recorded for 16/35 cases. Thirteen cases were recorded as currently working or having worked in high risk occupations. The recorded occupations were: painter, builder, foundry worker,

and lead smelter. Two cases were recorded as living in or regularly visiting a pre-1970 constructed building, both of which were recorded as currently having paint stripped. One case was exposed to paint but the occupation was not recorded. It is important to note that since the 18th June 2007 the non-occupational notifiable blood lead level has reduced from 0.72 µmol/L to 0.48 µmol/L which is likely to increase the number of notification received when compared to historical data.

- *Meningococcal disease:* Based on the earliest date available[1], eight cases of meningococcal disease were notified during March 2008, seven (87.5%) were laboratory-confirmed. In comparison, four cases were notified the previous month, February 2008, and five cases were notified during the same month last year, March 2007. For the 12 month period ending 31 March 2008, Hawke's Bay DHB recorded the highest incidence rate of 7.8 per 100 000 population (12 cases), followed by Tairawhiti (6.5 per 100 000, 3 cases), and Hutt (4.2 per 100 000, 6 cases). The highest age-specific incidence rate was in infants aged less than one year (30.7 per 100 000 population, 19 cases), followed by those in the 1-4 years age group (13.4 per 100 000 population, 31 cases), and those in the 5-9 years age group (5.2 per 100 000 population, 15 cases).

- *Salmonellosis:* 138 cases of salmonellosis were notified in March 2008 compared to 167 notified cases in the same month of the previous year. The highest numbers of cases were reported from Canterbury (18), Nelson Marlborough (16), Otago (16), and Waitemata (14) DHBs. Nine cases were hospitalised. The serotype involved was identified for 135 of the cases. The dominant serotypes were: *Salmonella* Infantis (20 cases), *S.* Mbandaka (13), *S.* Typhimurium phage type 1 (10), *S.* Typhimurium phage type 160 (9), *S.* Typhimurium phage type 156 (8), and *S.* Typhimurium phage type 101 (7).

- *Taeniasis:* Two cases of taeniasis were notified in March 2008. The cases were in the 30-39 years age group from Capital and Coast DHB. It is thought that the disease was contracted by eating beef and pork 2-3 years ago while in Vietnam.

- *Toxic shellfish poisoning:* One suspect case of toxic shellfish poisoning was notified in March 2008. The case was in the 50-59 years age group from Nelson Marlborough DHB, who ate steamed mussels collected from Wainui Bay, Golden Bay. The type of toxic shellfish poisoning was unspecified.

- *VTEC/STEC:* 13 cases of VTEC/STEC were notified in March 2008 compared to 12 notified cases in the same month of the previous year. The cases were reported from Northland (2), Waitemata (2), Counties Manukau (2), Waikato (2), Lakes (2), Capital and Coast (1), South Canterbury (1), and Otago (1) DHBs. Five cases were hospitalised. The highest number of cases were in the less than five years age group (5) and the 40-49 years age group (3). The serotype involved was identified for all cases, 12 as VTEC O157 and one as VTEC non-O157. One case in the 1-4 years age group had haemolytic uraemic syndrome (HUS).

[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.

2. Outbreaks

Completed outbreak reports
Six outbreak reports were entered into EpiSurv and completed during March 2008. These are summarised in the table below.

Summary of completed outbreaks reported to ESR during March 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Campylobacter	West Coast	1	2
Gastroenteritis	Auckland, Waikato, Wellington	3	28
Giardia	Auckland	1	2
Norovirus	Auckland	1	7
Total		**6**	**39**

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 March 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Campylobacter	Canterbury	1	4
Escherichia coli O157	Auckland	1	-
Gastroenteritis	Auckland, Waikato, Hawke's Bay, Wellington, Hutt, Otago	17	54
Giardia	Auckland, Otago	2	4
Salmonella	Nelson Marlborough	1	-
Tutin	Waikato	1	9
Total		**23**	**71**

3. Deaths from notifiable diseases

No deaths were reported for the month of March.

4. Trends in selected diseases to March 2008

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

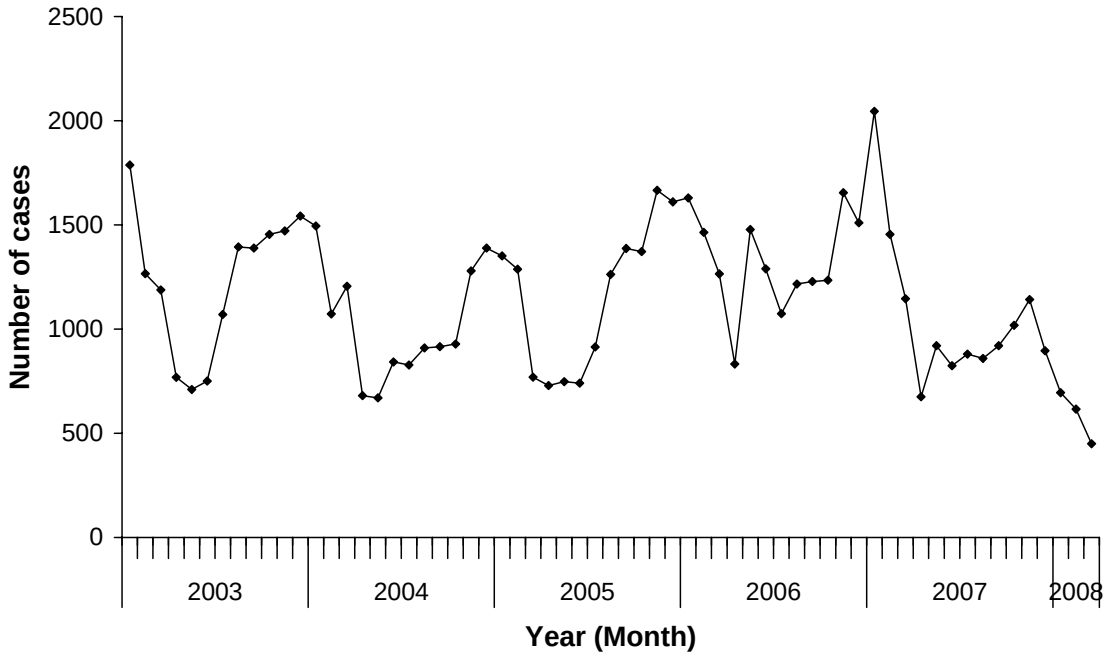
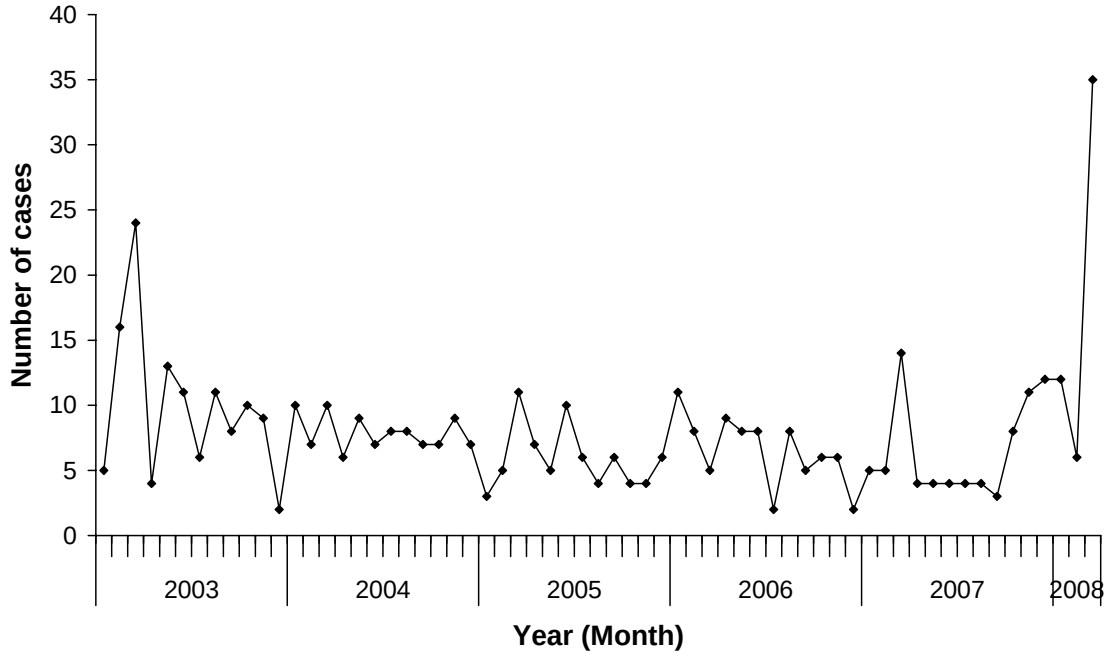


Figure 2: Lead absorption notifications by month by year, January 2003 – March 2008



5. Data Tables

National Surveillance Data March 2008

Disease	Current Year - 2008[1]			Previous Year - 2007		
	March 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate[2]	March 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate[2]
Campylobacteriosis	450	1761	234.0	1145	4644	386.2
Cryptosporidiosis	24	83	18.8	103	213	20.5
Dengue fever	9	34	2.0	14	62	1.8
Gastroenteritis	62	175	14.8	51	172	18.7
Giardiasis	153	422	33.6	140	404	31.1
Haemophilus influenzae type b	1	5	0.3	3	6	0.3
Hazardous substances injury	1	1	0.1	0	0	0.0
Hepatitis A	6	18	1.0	6	17	1.8
Hepatitis B[4]	1	13	1.5	4	22	1.6
Hepatitis C[4]	1	7	0.7	3	9	0.8
Hydatid disease	0	2	0.2	0	0	0.0
Lead absorption	35	53	2.5	14	24	1.9
Legionellosis	9	23	1.6	7	22	1.4
Leprosy	0	0	0.2	0	1	0.1
Leptospirosis	9	27	1.6	4	27	2.1
Listeriosis	2	9	0.7	2	4	0.4
Malaria	3	8	0.7	1	2	0.5
Measles	1	1	0.5	2	5	0.4
Meningococcal disease[5]	7	22	2.6	4	17	3.5
Mumps	13	36	2.2	5	20	1.4
Paratyphoid fever	1	11	0.6	2	8	0.5
Pertussis	26	64	6.9	25	105	20.3
Rheumatic fever	9	86	5.0	9	14	2.4
Rubella	0	0	0.2	1	1	0.2
Salmonellosis	138	497	33.0	167	374	30.1
Shigellosis	11	25	3.0	7	26	2.1
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	26	81	7.1	25	67	8.2
Typhoid fever	1	8	0.8	4	23	1.4
VTEC/STEC infection	13	51	2.8	12	31	2.0
Yersiniosis	69	189	13.6	51	143	12.3

[1] These data are provisional

[2] Rate is based on the cumulative total for the current year (12 months up to and including March 2008) or the previous year (12 months up to and including March 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 March: Brucellosis (1) , Ross River virus infection (1) , Taeniasis (2) , Toxic shellfish poisoning (1)

Surveillance Data by District Health Board March 2008

Disease		Cases[1] and current rate[2] for March 2008 by District Health Board[3]																			
		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairawhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland
Campylobacteriosis	Cases	15	64	60	36	34	8	16	3	8	16	7	6	21	31	3	11	5	55	9	26	16
	Rate	214.4	266.3	265.7	198.8	251.2	236.5	181.5	71.9	301.1	264.1	242.2	163.8	269.3	277.2	129.0	191.8	195.3	224.2	289.6	219.0	222.0
Cryptosporidiosis	Cases	2	1	0	1	1	0	2	4	0	1	0	0	0	3	1	3	1	4	0	0	0
	Rate	15.6	9.2	8.5	7.7	42.8	12.8	13.8	13.1	16.8	20.9	9.4	25.0	23.3	21.0	22.8	29.0	37.2	14.3	74.2	19.4	50.7
Dengue fever	Cases	0	4	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	3.5	6.7	3.4	0.8	3.0	1.5	0.0	1.9	2.0	1.6	0.6	0.0	0.0	0.0	0.7	0.0	1.2	0.0	0.0	0.0
Gastroenteritis	Cases	0	7	9	2	6	1	2	0	0	1	1	2	1	6	0	1	0	22	0	1	0
	Rate	3.2	18.7	21.7	11.2	7.9	12.8	8.4	0.0	6.5	13.7	18.9	11.6	16.3	19.9	10.1	4.5	24.8	30.8	7.2	3.2	1.8
Giardiasis	Cases	2	16	34	20	10	4	5	1	0	7	2	5	5	18	0	1	1	13	1	8	0
	Rate	37.0	27.7	47.8	28.8	29.5	37.4	34.4	19.6	15.8	26.1	20.4	23.8	21.9	57.9	40.5	63.9	31.0	26.9	21.7	38.2	26.3
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.6	0.6	0.0	0.4	0.0	0.0	1.0	2.2	0.0	0.7	0.0	0.6	0.0	0.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Hazardous substances injury	Cases	0	0	0	0	1	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	0	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.4	1.8	2.4	0.8	0.0	0.5	0.0	1.9	2.6	1.6	0.0	1.4	0.4	0.0	1.5	0.0	0.6	0.0	0.5	0.9
Hepatitis B	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.6	3.0	1.7	1.1	1.0	0.5	0.0	2.8	2.6	1.6	0.6	2.8	1.8	2.5	2.2	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.8	0.7	0.4	0.3	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.4	1.1	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	3	3	8	4	0	0	0	0	0	2	3	0	0	0	0	0	0	8	0	2	2
	Rate	1.9	1.9	3.2	1.3	1.4	0.0	2.5	0.0	0.9	2.0	9.4	1.8	2.8	2.1	0.0	3.7	0.0	4.1	3.6	5.4	3.6
Legionellosis	Cases	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	Rate	1.3	1.8	2.5	2.2	0.0	2.0	1.0	0.0	0.9	1.3	0.0	1.8	0.7	1.8	2.5	1.5	6.2	2.4	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	0	0	0	0
	Rate	0.0	0.0	0.2	1.1	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	1	0	0	1	1	0	0	0	0	1	0	0	0	1	1	2	1	0	0	0
	Rate	1.3	0.2	0.0	0.2	2.8	1.0	0.0	0.0	3.7	5.9	4.7	4.9	0.0	0.4	2.5	1.5	15.5	2.0	3.6	1.1	3.6
Listeriosis	Cases	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	2.6	0.2	0.5	0.9	1.1	0.0	1.0	0.0	0.9	0.0	0.0	1.2	1.4	1.1	0.0	0.0	0.0	0.8	1.8	0.5	0.0
Malaria	Cases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	1.3	0.4	2.5	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	1	0	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	1.1	0.0	1.5	12.4	0.4	0.0	0.0	0.0
Meningococcal diseasei	Cases	0	0	2	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0
	Rate	2.6	1.2	1.8	3.4	3.4	1.0	2.0	6.5	3.7	8.5	1.6	1.2	4.2	2.8	2.5	1.5	3.1	2.0	1.8	2.7	1.8
Mumps	Cases	0	3	2	3	2	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
	Rate	1.3	2.5	2.5	4.3	2.8	1.0	2.5	0.0	0.9	1.3	1.6	2.4	0.0	2.1	2.5	0.7	0.0	2.0	0.0	0.5	1.8
Paratyphoid fever	Cases	0	0	0	0	1	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	1.0	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	2	1	3	4	0	1	1	0	1	0	0	0	1	0	1	0	7	1	3	0
	Rate	3.9	3.1	2.8	4.5	19.5	4.9	8.9	6.5	0.9	5.9	0.0	1.2	3.5	3.9	2.5	17.1	0.0	11.0	23.5	5.4	10.9
Rheumatic fever	Cases	0	1	0	0	2	1	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.9	1.8	4.4	12.1	4.0	13.8	31.0	4.4	0.0	4.6	4.7	2.4	3.5	2.5	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	0.3	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
Rubella	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	0.0	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	0.5	0.0
Salmonellosis	Cases	8	14	7	9	7	2	2	0	3	7	1	2	8	9	1	16	0	18	3	16	5
	Rate	29.9	23.4	24.9	20.4	41.4	26.6	51.6	21.8	30.8	34.0	23.6	29.2	35.3	39.8	35.4	46.1	37.2	33.3	39.8	52.7	53.5
Shigellosis	Cases	0	2	2	2	2	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	Rate	0.6	2.1	5.8	3.9	2.5	6.9	2.5	0.0	1.9	2.0	0.0	1.2	4.2	2.8	0.0	2.2	0.0	3.3	1.8	2.2	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	10	3	0	1	1	0	1	1	1	0	1	1	0	0	0	0	1	0	0
	Rate	6.5	9.2	14.5	8.8	5.1	2.0	3.9	0.0	2.8	9.8	6.3	5.5	12.0	7.8	5.1	3.7	3.1	5.7	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.5	2.8	0.0	0.0	0.0	0.0	0.9	0.7	0.0	1.2	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0
VTEC/STEC infection	Cases	2	2	0	2	2	2	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
	Rate	3.9	2.5	0.9	1.9	5.4	4.9	3.4	0.0	2.8	1.3	0.0	1.2	0.7	2.5	0.0	5.2	6.2	4.5	7.2	2.2	2.7
Yersiniosis	Cases	0	7	6	5	10	0	1	0	2	7	0	2	3	10	0	3	1	7	1	2	2
	Rate	7.1	6.8	9.7	5.6	11.3	20.7	9.8	15.3	16.8	20.9	11.0	6.1	18.4	17.8	5.1	8.9	62.0	31.6	29.0	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 March 2008 expressed as cases per 100 000

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

i 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

Surveillance Data by District Health Board March 2008

Disease		Cases[1] and current rate[2] for March 2008 by District Health Board[3]																			
		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairawhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland
Campylobacteriosis	Cases	15	64	60	36	34	8	16	3	8	16	7	6	21	31	3	11	5	55	9	26	16
	Rate	214.4	266.3	265.7	198.8	251.2	236.5	181.5	71.9	301.1	264.1	242.2	163.8	269.3	277.2	129.0	191.8	195.3	224.2	289.6	219.0	222.0
Cryptosporidiosis	Cases	2	1	0	1	1	0	2	4	0	1	0	0	0	3	1	3	1	4	0	0	0
	Rate	15.6	9.2	8.5	7.7	42.8	12.8	13.8	13.1	16.8	20.9	9.4	25.0	23.3	21.0	22.8	29.0	37.2	14.3	74.2	19.4	50.7
Dengue fever	Cases	0	4	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	3.5	6.7	3.4	0.8	3.0	1.5	0.0	1.9	2.0	1.6	0.6	0.0	0.0	0.0	0.7	0.0	1.2	0.0	0.0	0.0
Gastroenteritis	Cases	0	7	9	2	6	1	2	0	0	1	1	2	1	6	0	1	0	22	0	1	0
	Rate	3.2	18.7	21.7	11.2	7.9	12.8	8.4	0.0	6.5	13.7	18.9	11.6	16.3	19.9	10.1	4.5	24.8	30.8	7.2	3.2	1.8
Giardiasis	Cases	2	16	34	20	10	4	5	1	0	7	2	5	5	18	0	1	1	13	1	8	0
	Rate	37.0	27.7	47.8	28.8	29.5	37.4	34.4	19.6	15.8	26.1	20.4	23.8	21.9	57.9	40.5	63.9	31.0	26.9	21.7	38.2	26.3
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.6	0.6	0.0	0.4	0.0	0.0	1.0	2.2	0.0	0.7	0.0	0.6	0.0	0.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Hazardous substances injury	Cases	0	0	0	0	1	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	0	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	0.4	1.8	2.4	0.8	0.0	0.5	0.0	1.9	2.6	1.6	0.0	1.4	0.4	0.0	1.5	0.0	0.6	0.0	0.5	0.9
Hepatitis B	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.6	3.0	1.7	1.1	1.0	0.5	0.0	2.8	2.6	1.6	0.6	2.8	1.8	2.5	2.2	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.8	0.7	0.4	0.3	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.4	1.1	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	3	3	8	4	0	0	0	0	0	2	3	0	0	0	0	0	0	8	0	2	2
	Rate	1.9	1.9	3.2	1.3	1.4	0.0	2.5	0.0	0.9	2.0	9.4	1.8	2.8	2.1	0.0	3.7	0.0	4.1	3.6	5.4	3.6
Legionellosis	Cases	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	Rate	1.3	1.8	2.5	2.2	0.0	2.0	1.0	0.0	0.9	1.3	0.0	1.8	0.7	1.8	2.5	1.5	6.2	2.4	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	0	0	0	0
	Rate	0.0	0.0	0.2	1.1	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	1	0	0	1	1	0	0	0	0	1	0	0	0	1	1	2	1	0	0	0
	Rate	1.3	0.2	0.0	0.2	2.8	1.0	0.0	0.0	3.7	5.9	4.7	4.9	0.0	0.4	2.5	1.5	15.5	2.0	3.6	1.1	3.6
Listeriosis	Cases	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	2.6	0.2	0.5	0.9	1.1	0.0	1.0	0.0	0.9	0.0	0.0	1.2	1.4	1.1	0.0	0.0	0.0	0.8	1.8	0.5	0.0
Malaria	Cases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	1.3	0.4	2.5	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	1	0	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	1.1	0.0	1.5	12.4	0.4	0.0	0.0	0.0
Meningococcal diseasei	Cases	0	0	2	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0
	Rate	2.6	1.2	1.8	3.4	3.4	1.0	2.0	6.5	3.7	8.5	1.6	1.2	4.2	2.8	2.5	1.5	3.1	2.0	1.8	2.7	1.8
Mumps	Cases	0	3	2	3	2	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
	Rate	1.3	2.5	2.5	4.3	2.8	1.0	2.5	0.0	0.9	1.3	1.6	2.4	0.0	2.1	2.5	0.7	0.0	2.0	0.0	0.5	1.8
Paratyphoid fever	Cases	0	0	0	0	1	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	1.0	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	2	1	3	4	0	1	1	0	1	0	0	0	1	0	1	0	7	1	3	0
	Rate	3.9	3.1	2.8	4.5	19.5	4.9	8.9	6.5	0.9	5.9	0.0	1.2	3.5	3.9	2.5	17.1	0.0	11.0	23.5	5.4	10.9
Rheumatic fever	Cases	0	1	0	0	2	1	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.9	1.8	4.4	12.1	4.0	13.8	31.0	4.4	0.0	4.6	4.7	2.4	3.5	2.5	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	0.3	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
Rubella	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	0.0	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	0.5	0.0
Salmonellosis	Cases	8	14	7	9	7	2	2	0	3	7	1	2	8	9	1	16	0	18	3	16	5
	Rate	29.9	23.4	24.9	20.4	41.4	26.6	51.6	21.8	30.8	34.0	23.6	29.2	35.3	39.8	35.4	46.1	37.2	33.3	39.8	52.7	53.5
Shigellosis	Cases	0	2	2	2	2	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	Rate	0.6	2.1	5.8	3.9	2.5	6.9	2.5	0.0	1.9	2.0	0.0	1.2	4.2	2.8	0.0	2.2	0.0	3.3	1.8	2.2	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	10	3	0	1	1	0	1	1	1	0	1	1	0	0	0	0	1	0	0
	Rate	6.5	9.2	14.5	8.8	5.1	2.0	3.9	0.0	2.8	9.8	6.3	5.5	12.0	7.8	5.1	3.7	3.1	5.7	10.9	0.5	0.0
Typhoid fever	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.5	2.8	0.0	0.0	0.0	0.0	0.9	0.7	0.0	1.2	0.7	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0
VTEC/STEC infection	Cases	2	2	0	2	2	2	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
	Rate	3.9	2.5	0.9	1.9	5.4	4.9	3.4	0.0	2.8	1.3	0.0	1.2	0.7	2.5	0.0	5.2	6.2	4.5	7.2	2.2	2.7
Yersiniosis	Cases	0	7	6	5	10	0	1	0	2	7	0	2	3	10	0	3	1	7	1	2	2
	Rate	7.1	6.8	9.7	5.6	11.3	20.7	9.8	15.3	16.8	20.9	11.0	6.1	18.4	17.8	5.1	8.9	62.0	31.6	29.0	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 March 2008 expressed as cases per 100 000

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

i 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

National Surveillance Data March 2008

Disease	Current Year - 2008[1]			Previous Year - 2007		
	March 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate[2]	March 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate[2]
Campylobacteriosis	450	1761	234.0	1145	4644	386.2
Cryptosporidiosis	24	83	18.8	103	213	20.5
Dengue fever	9	34	2.0	14	62	1.8
Gastroenteritis	62	175	14.8	51	172	18.7
Giardiasis	153	422	33.6	140	404	31.1
Haemophilus influenzae type b	1	5	0.3	3	6	0.3
Hazardous substances injury	1	1	0.1	0	0	0.0
Hepatitis A	6	18	1.0	6	17	1.8
Hepatitis Bi	1	13	1.5	4	22	1.6
Hepatitis Ci	1	7	0.7	3	9	0.8
Hydatid disease	0	2	0.2	0	0	0.0
Lead absorption	35	53	2.5	14	24	1.9
Legionellosis	9	23	1.6	7	22	1.4
Leprosy	0	0	0.2	0	1	0.1
Leptospirosis	9	27	1.6	4	27	2.1
Listeriosis	2	9	0.7	2	4	0.4
Malaria	3	8	0.7	1	2	0.5
Measles	1	1	0.5	2	5	0.4
Meningococcal diseaseï	7	22	2.6	4	17	3.5
Mumps	13	36	2.2	5	20	1.4
Paratyphoid fever	1	11	0.6	2	8	0.5
Pertussis	26	64	6.9	25	105	20.3
Rheumatic fever	9	86	5.0	9	14	2.4
Rubella	0	0	0.2	1	1	0.2
Salmonellosis	138	497	33.0	167	374	30.1
Shigellosis	11	25	3.0	7	26	2.1
Tetanus	0	0	0.0	0	1	0.0
Tuberculosis disease	26	81	7.1	25	67	8.2
Typhoid fever	1	8	0.8	4	23	1.4
VTEC/STEC infection	13	51	2.8	12	31	2.0
Yersiniosis	69	189	13.6	51	143	12.3

[1] These data are provisional

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

[3] Cases of gastroenteritis from a common source or foodborne intoxication

i Only acute cases of this disease are currently notifiable

ï 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

j Other notifiable infectious disease reported in March: Brucellosis (1) , Taeniasis (2) , Toxic shellfish poisoning (1)

National Surveillance Data - Monthly totals for March 2008 and preceding 12 Months[1]

Disease	Mar 2008	Feb 2008	Jan 2008	Dec 2007	Nov 2007	Oct 2007	Sep 2007	Aug 2007	Jul 2007	Jun 2007	May 2007	Apr 2007
Campylobacteriosis	450	616	695	896	1142	1018	920	859	880	824	920	675
Cryptosporidiosis	24	32	27	28	73	171	122	68	34	47	86	82
Dengue fever	9	16	9	5	5	4	3	1	2	5	12	15
Gastroenteritis [2]	62	49	64	39	78	61	40	53	46	37	50	45
Giardiasis	153	149	120	96	115	105	88	139	92	93	133	137
Haemophilus influenzae type b	1	1	3	0	0	0	1	2	1	3	1	1
Hazardous substances injury	1	0	0	0	0	1	1	0	1	0	0	0
Hepatitis A	6	6	6	2	5	4	1	5	0	2	2	4
Hepatitis B [3]	1	5	7	7	5	6	6	5	3	6	5	8
Hepatitis C [3]	1	5	1	2	3	2	2	3	0	3	4	4
Hydatid disease	0	1	1	3	0	0	1	0	0	0	2	0
Lead absorption	35	6	12	12	11	8	3	4	4	4	4	4
Legionellosis	9	6	8	7	8	8	1	0	6	3	7	5
Leprosy	0	0	0	0	0	3	1	0	0	0	3	0
Leptospirosis	9	11	7	7	3	4	3	2	1	5	10	4
Listeriosis	2	4	3	2	5	2	2	2	1	2	3	3
Malaria	3	2	3	1	6	3	2	2	2	3	3	1
Measles	1	0	0	7	1	1	0	2	2	1	1	4
Meningococcal disease i	7	4	11	10	5	10	9	11	23	8	8	4
Mumps	13	12	11	13	4	7	14	6	3	4	2	2
Paratyphoid fever	1	7	3	2	5	2	1	0	1	2	1	1
Pertussis	26	27	11	17	27	29	27	27	28	30	27	15
Rheumatic fever	9	74	3	5	2	5	5	17	75	8	7	2
Rickettsial disease	0	0	0	0	0	0	0	1	0	0	0	1
Rubella	0	0	0	2	2	1	0	1	2	2	0	0
Salmonellosis	138	163	196	117	111	121	88	89	57	79	124	114
Shigellosis	11	3	11	5	7	7	13	8	19	11	16	14
Tuberculosis disease	26	26	29	20	30	24	17	31	26	20	30	23
Typhoid fever	1	6	1	2	1	3	3	3	3	1	7	2
VTEC/STEC infection	13	24	14	6	4	14	12	8	3	4	9	9
Yersiniosis	69	54	66	44	55	39	39	57	36	45	39	30

[1] Later data are provisional

[2] Cases of gastroenteritis from a common source or foodborne intoxication

[3] Only acute cases of this disease are currently notifiable

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