
MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 5 November 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 October 2008. Upon further investigation it was found not to be brucellosis and has since been de-notified.
- *Chemical poisoning from the environment:* Two cases of chemical poisoning from the environment were notified in October 2008. The 5-9 year old case from Waikato DHB has now been de-notified as not a case. A 25-44 year old female from Waitemata DHB was accidentally exposed to carbon monoxide fumes when cooking with gas in her caravan, she was hospitalised. This case was later de-notified and re-notified as a hazardous substances injury.
- *Dengue fever:* 11 cases of dengue fever were notified in October 2008 compared to four notified cases during the same month of the previous year. One case was hospitalised. Overseas travel was recorded for eight of the cases. The countries visited during the incubation period were Samoa (3), Fiji (2), Central and West Africa (1), Rarotonga (1), Vietnam (1) and Thailand (1).
- *Hepatitis A:* Eight cases of Hepatitis A were notified in October 2008 compared to four notified cases during the same month of the previous year. The cases were reported from Auckland (2), Whanganui (2), Northland (1), Counties Manukau (1), MidCentral (1) and Capital and Coast (1) DHBs. The case from MidCentral was part of an outbreak linked to a childcare centre with a date of onset in August. Three of the eight cases had been overseas during the incubation period; the countries visited were India (2) and Sri Lanka (1).
- *Hepatitis NOS:* One case of Hepatitis E was notified in October 2008. The 25-44 year old female from Auckland DHB had travelled to India and Malaysia during the incubation period.

- *Invasive pneumococcal disease:* Invasive pneumococcal disease became notifiable on 17 October, cases must be lab confirmed with *S. pneumoniae* detected from a normally sterile site. 25 cases of invasive pneumococcal disease were notified in October 2008. The cases were reported from Counties Manukau (6), Canterbury (6), Auckland (3), Southland (3), Waitemata (2), Lakes (2), Waikato (1), Taranaki (1) and Wairarapa (1) DHBs. The cases were distributed by age as follows 1 (<1 years), 3 (1-4 years), 1 (5-9 years), 1 (15-19 years), 3 (40-49 years), 3 (50-59 years), 1 (60-69 years) and 12 (70+ years). 17 of the cases were hospitalised, three of these cases died from invasive pneumococcal disease (all 70+ years).
- *Leprosy:* One case of leprosy was notified in October 2008 in a 25-44 year old female from Auckland DHB. Disease onset preceded emigration from India.
- *Leptospirosis:* 10 cases of leptospirosis were notified in October 2008 compared to four cases during the same month in the previous year. The cases were from Waikato (4), Northland (2), Otago (2), Bay of Plenty (1) and Whanganui (1) DHBs. Eight cases were confirmed and two of these cases were hospitalised. Six of the cases had risk factor information associated with exposure to farm animals; one of these cases also had exposure to water from a wetland.
- *Listeriosis:* Two cases of listeriosis, of which one was perinatal, were notified in October 2008, bringing the year to date total to 23. The non-perinatal case was aged 30-39 years and was hospitalised due to a chronic underlying illness. The perinatal case was aged 15-19 years and occurred at 36 weeks of gestation. The infant survived. No source was identified.
- *Meningococcal disease:* Based on the earliest date available¹, 10 cases of meningococcal disease were notified during October 2008, 7 (70.0%) of which were laboratory-confirmed. In comparison, 12 cases were notified the previous month, September 2008, and 9 cases were notified during the same month last year, October 2007. For the 12 month period ending 31 October 2008, Hawke's Bay DHB recorded the highest incidence rate of 6.5 per 100 000 population (10 cases), followed by Whanganui DHB (6.3 per 100 000, 4 cases), and West Coast DHB (6.2 per 100 000 population, 2 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 (13.0 per 100 000 population, 30 cases), and those in the 5-9 years age group (4.1 per 100 000 population, 12 cases). One child aged 1-4 years died from meningococcal disease during October. No samples were taken before the child died and there was no autopsy, therefore, no strain can be identified.

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: Fourteen outbreak reports were entered into EpiSurv and completed during October 2008 (Table 1).

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

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Hutt Valley	1	2
<i>Cryptosporidium</i> spp.	Auckland, West Coast	2	11
Gastroenteritis	Waikato, Wellington, Otago	3	31
<i>Giardia lamblia</i>	Auckland	1	2
<i>Giardia</i>	West Coast	1	3
<i>Mycobacterium tuberculosis</i>	Auckland	1	2
Norovirus	Canterbury, Otago	2	42
Rotavirus	Auckland	1	2
<i>Salmonella</i>	Auckland	1	2
<i>Shigella</i>	Auckland	1	2
Total		14	99

Interim outbreak reports: Thirty three interim outbreaks have been reported in October 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 October 2008

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Gastroenteritis	Auckland, Tauranga, Taupo, Taranaki, Whanganui, Manawatu, Wellington, Otago	25	360
<i>Leptospira</i>	Otago	1	2
Norovirus	Auckland, Canterbury, Otago, Gisborne	5	86
Rotavirus	Auckland	1	10
<i>Salmonella</i>	Auckland	1	-
Total		33	458

3. Deaths from notifiable diseases

Five deaths were reported for the month of October from Meningococcal disease (1 case), Invasive pneumococcal disease (3 cases) and Legionellosis (1 case) (Table 3).

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

Disease	District Health Board	Age group
Meningococcal disease	Whanganui	1 to 4
Invasive pneumococcal disease	Counties Manukau	70+
Invasive pneumococcal disease	Counties Manukau	70+
Invasive pneumococcal disease	Canterbury	70+
Legionellosis	Counties Manukau	70+

4. Trends in selected diseases to October 2008

Figure 1: Leptospirosis notifications by month by year, January 2003 – October 2008

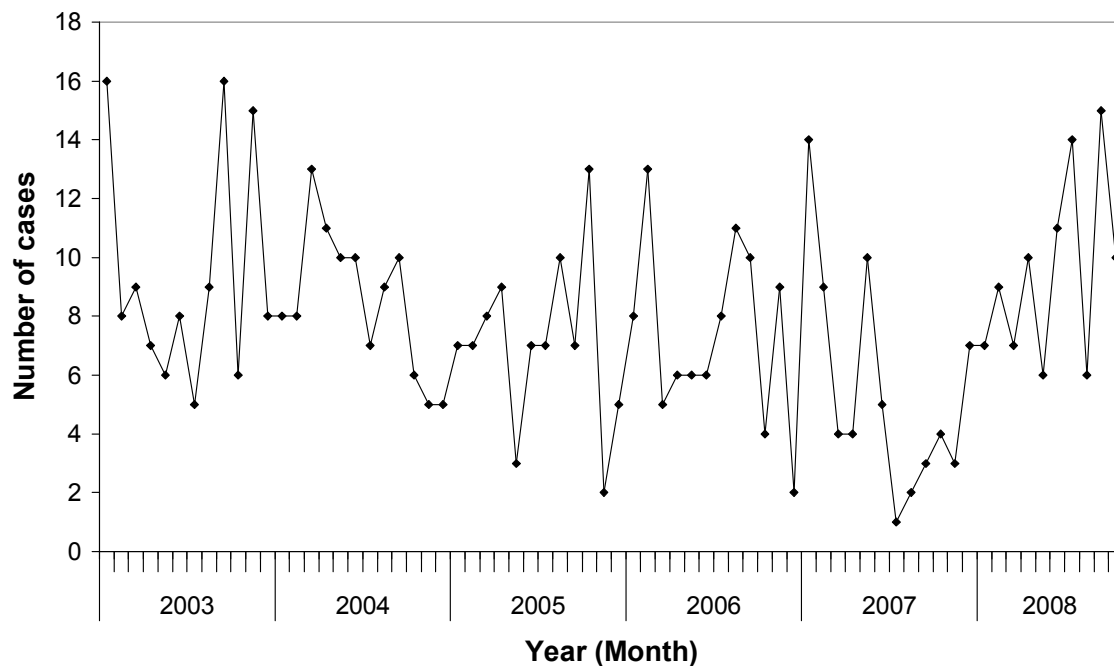
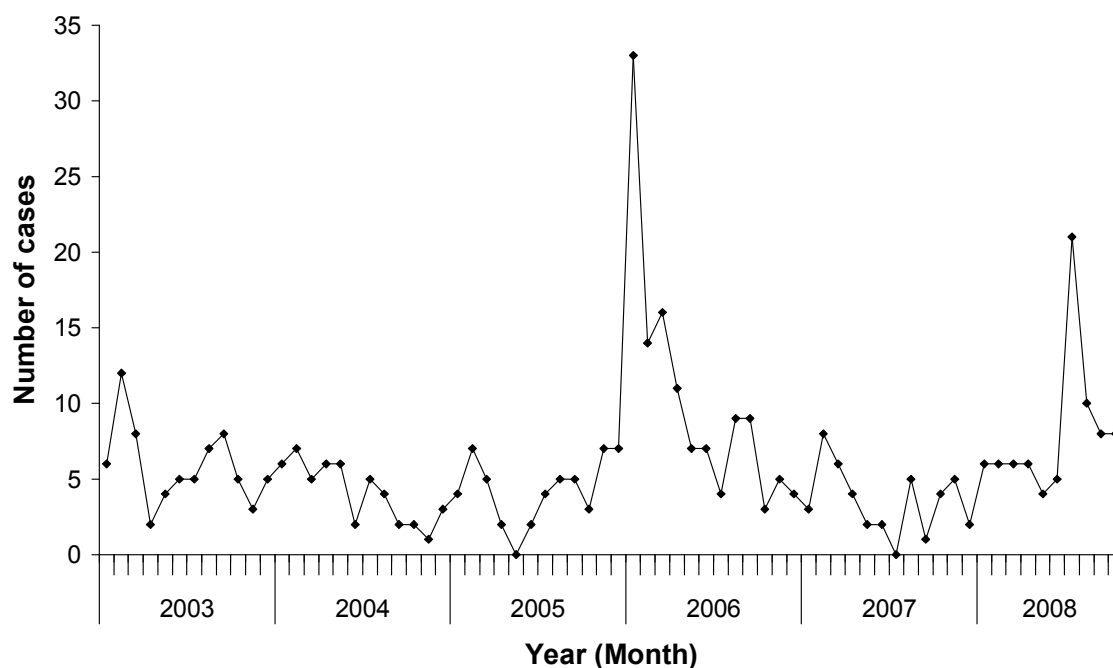


Figure 2: Hep A notifications by month by year, January 2003 – October 2008



5. Data Tables

National Notifiable Disease Surveillance Data October 2008

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	October 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	October 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	632	4977	165.9	1018	10740	328.8
Cryptosporidiosis	197	649	17.7	171	823	22.4
Dengue fever	8	89	2.3	4	104	2.6
Gastroenteritis	79	514	14.9	61	504	14.4
Giardiasis	120	1394	38.0	105	1191	32.3
Haemophilus influenzae type b	2	9	0.2	0	15	0.4
Hazardous substances injury	0	2	0.0	1	3	0.1
Hepatitis A	8	79	2.0	4	35	1.0
Hepatitis B ⁴	3	36	1.1	6	61	1.7
Hepatitis C ⁴	2	21	0.6	2	27	0.7
Invasive pneumococcal disease ⁵	26	26	0.6	0	0	0.0
Lead absorption	19	245	6.3	8	55	1.5
Legionellosis	7	53	1.5	8	52	1.4
Leptospirosis	10	95	2.5	4	56	1.6
Listeriosis	2	23	0.7	2	19	0.6
Malaria	7	35	1.0	3	18	0.5
Measles	0	9	0.4	1	16	0.4
Meningococcal disease ⁶	8	101	2.7	10	89	2.8
Mumps	0	66	1.9	7	58	1.7
Paratyphoid fever	1	22	0.7	2	16	0.5
Pertussis	67	316	8.5	29	288	9.1
Rheumatic fever	11	230	5.6	5	133	3.5
Rickettsial disease	0	10	0.2	0	2	0.1
Rubella	0	7	0.3	1	7	0.2
Salmonellosis	98	1109	31.6	121	1046	29.4
Shigellosis	5	95	2.5	7	117	3.1
Tuberculosis disease	30	257	7.2	23	236	6.7
Typhoid fever	2	26	0.7	3	45	1.5
VTEC/STEC infection	6	109	2.8	14	90	2.4
Yersiniosis	38	468	13.4	39	428	12.4

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including October 2008) or the previous year (12 months up to and including October 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 Invasive pneumococcal disease became a notifiable disease on the 17th October 2008

⁶ 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 October: Chikungunya fever (1) , Hepatitis NOS (1) , Leprosy (1)

Notifiable Disease Surveillance Data by District Health Board October 2008

		Cases ¹ and current rate ² for October 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	83	53	56	65	27	15	4	29	31	6	15	32	58	9	14	7	62	18	18	15
	Rate	163.1	183.3	166.9	133.6	176.5	167.5	130.8	108.9	203.2	201.3	155.7	140.1	207.8	201.9	136.6	146.5	164.3	147.3	267.9	159.8	164.9
Cryptosporidiosis	Cases	5	0	1	3	24	9	6	0	5	9	5	11	2	2	3	6	9	35	19	18	25
	Rate	22.1	4.1	3.7	3.7	30.3	15.8	15.2	8.7	24.2	19.0	18.9	20.7	12.7	9.2	43.0	25.3	52.7	25.7	106.8	24.2	55.3
Dengue fever	Cases	0	1	1	4	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	3.9	6.7	6.0	0.3	3.0	1.5	0.0	0.0	2.0	0.0	0.6	0.0	0.7	0.0	0.0	0.0	1.6	0.0	0.0	0.0
Gastroenteritis	Cases	0	20	10	5	3	0	0	0	0	1	1	10	5	8	0	1	0	15	0	0	0
	Rate	2.6	21.6	20.1	7.5	7.1	10.8	13.8	0.0	3.7	8.5	29.9	17.7	23.3	22.7	7.6	5.2	31.0	27.7	0.0	7.0	0.0
Giardiasis	Cases	1	15	16	11	5	4	6	1	1	3	2	2	5	14	2	5	3	13	5	3	3
	Rate	27.3	34.5	60.2	37.4	30.6	44.3	30.5	24.0	11.2	30.7	22.0	20.7	25.4	73.9	32.9	38.7	65.1	37.1	30.8	30.1	29.9
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.2	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	0.4	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	0.0	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
Hepatitis A	Cases	1	0	2	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0
	Rate	2.6	1.2	3.0	2.8	1.1	1.0	0.5	0.0	0.0	0.7	11.0	12.2	2.1	1.4	5.1	0.7	0.0	0.8	0.0	0.5	0.9
Hepatitis B	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0
	Rate	0.0	1.6	3.2	0.6	0.6	2.0	0.5	2.2	1.9	0.0	1.6	0.6	0.7	1.1	5.1	0.7	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.7	0.6	0.3	2.0	0.5	0.0	2.8	0.0	0.0	0.0	1.4	1.1	2.5	0.0	3.1	0.8	0.0	0.0	0.0
Ebola Virus Disease	Cases	0	2	3	6	1	2	0	0	1	0	0	0	0	0	1	0	0	6	0	1	3
	Rate	0.0	0.4	0.7	1.3	0.3	2.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	1.2	0.0	0.5	2.7
Lead absorption	Cases	0	0	4	2	5	1	0	0	0	0	2	2	0	0	0	0	0	3	0	0	0
	Rate	2.6	8.8	16.9	5.8	5.7	5.9	1.5	2.2	1.9	3.9	14.2	4.9	2.1	2.5	10.1	3.0	0.0	5.9	5.4	4.8	4.5
Legionellosis	Cases	0	0	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	1	0
	Rate	0.0	1.2	2.3	1.7	1.1	1.0	3.0	0.0	0.9	3.3	1.6	0.6	2.1	1.1	0.0	0.7	0.0	2.2	1.8	1.1	0.9
Leptospirosis	Cases	2	0	0	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0
	Rate	5.2	0.6	0.0	0.6	3.1	3.9	3.0	34.9	2.8	5.9	12.6	0.6	0.0	0.4	2.5	3.0	12.4	3.3	0.0	2.2	2.7
Listeriosis	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.5	1.3	1.4	0.0	1.5	0.0	0.0	0.0	1.6	0.6	0.7	0.4	2.5	0.0	0.0	0.8	1.8	1.1	0.0
Malaria	Cases	1	1	0	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	1.3	0.8	3.0	1.3	0.0	0.0	1.5	2.2	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	1.4	0.0	1.1	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	0.0	0.0	0.0	0.0	6.2	1.2	0.0	0.0	0.0
Aedes Mosquito Bites	Cases	2	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	1	0	0	0
	Rate	5.8	1.4	2.8	3.0	3.4	0.0	2.0	2.2	4.7	6.5	6.3	1.2	2.8	2.8	0.0	3.7	6.2	1.4	1.8	2.2	4.5
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	1.6	2.3	3.0	2.5	3.0	2.0	0.0	0.0	3.9	0.0	1.2	0.7	2.5	0.0	0.0	0.0	2.7	0.0	0.5	0.0
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.8	0.7	1.5	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.8	0.0	0.0	2.7
Pertussis	Cases	1	2	1	1	10	2	4	1	0	1	0	4	3	9	1	8	1	13	4	1	0
	Rate	7.8	3.9	3.0	4.3	19.5	4.9	4.9	4.4	1.9	4.6	0.0	6.7	4.2	16.0	10.1	21.6	12.4	12.0	16.3	6.5	19.0
Rheumatic fever	Cases	0	0	0	1	7	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	Rate	8.4	2.3	2.1	4.3	7.6	44.3	33.4	8.7	0.9	7.8	1.6	3.7	2.8	4.3	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	0.4	0.5	0.0	1.7	0.0	0.0	0.0	0.0	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	0.2	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Salmonellosis	Cases	7	9	10	8	9	2	4	0	1	3	3	2	3	5	2	0	1	11	5	10	3
	Rate	26.6	22.4	23.5	19.6	35.4	27.6	47.2	19.6	34.5	26.8	23.6	29.8	36.7	31.6	55.6	46.8	18.6	33.5	67.0	61.3	37.1
Shigellosis	Cases	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	Rate	0.6	3.3	5.5	4.9	0.8	0.0	2.0	0.0	1.9	1.3	0.0	0.0	3.5	3.2	0.0	3.7	0.0	1.4	0.0	2.2	0.9
Tuberculosis disease	Cases	2	3	5	7	2	0	2	1	0	1	0	2	1	2	0	0	0	2	0	0	0
	Rate	5.2	10.9	13.9	11.4	5.7	3.9	5.9	4.4	1.9	3.3	7.9	4.9	9.9	7.1	0.0	3.7	0.0	5.3	7.2	0.5	0.9
Typhoid fever	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.6	3.0	0.3	0.0	0.0	0.0	0.0	0.7	1.6	0.0	1.4	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	5.8	2.3	2.5	2.4	5.4	4.9	2.0	0.0	4.7	1.3	1.6	1.2	0.7	2.1	0.0	2.2	3.1	3.9	5.4	2.2	0.9
Yersiniosis	Cases	3	1	3	3	4	1	1	1	1	2	0	0	2	6	0	1	3	4	1	1	0
	Rate	8.4	8.4	9.5	7.7	11.3	15.8	7.9	17.4	10.3	20.9	9.4	6.1	16.3	19.5	0.0	13.4	68.2	28.4	27.2	6.5	10.0

¹ These data are provisional

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

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

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Notifiable Disease Surveillance Data by District Health Board October 2008

		Cases ¹ and current rate ² for October 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	83	53	56	65	27	15	4	29	31	6	15	32	58	9	14	7	62	18	18	15
	Rate	163.1	183.3	166.9	133.6	176.5	167.5	130.8	108.9	203.2	201.3	155.7	140.1	207.8	201.9	136.6	146.5	164.3	147.3	267.9	159.8	164.9
Cryptosporidiosis	Cases	5	0	1	3	24	9	6	0	5	9	5	11	2	2	3	6	9	35	19	18	25
	Rate	22.1	4.1	3.7	3.7	30.3	15.8	15.2	8.7	24.2	19.0	18.9	20.7	12.7	9.2	43.0	25.3	52.7	25.7	106.8	24.2	55.3
Dengue fever	Cases	0	1	1	4	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.6	3.9	6.7	6.0	0.3	3.0	1.5	0.0	0.0	2.0	0.0	0.6	0.0	0.7	0.0	0.0	0.0	1.6	0.0	0.0	0.0
Gastroenteritis	Cases	0	20	10	5	3	0	0	0	0	1	1	10	5	8	0	1	0	15	0	0	0
	Rate	2.6	21.6	20.1	7.5	7.1	10.8	13.8	0.0	3.7	8.5	29.9	17.7	23.3	22.7	7.6	5.2	31.0	27.7	0.0	7.0	0.0
Giardiasis	Cases	1	15	16	11	5	4	6	1	1	3	2	2	5	14	2	5	3	13	5	3	3
	Rate	27.3	34.5	60.2	37.4	30.6	44.3	30.5	24.0	11.2	30.7	22.0	20.7	25.4	73.9	32.9	38.7	65.1	37.1	30.8	30.1	29.9
Haemophilus influenzae type b	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.2	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	0.4	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	0.0	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
Hepatitis A	Cases	1	0	2	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0
	Rate	2.6	1.2	3.0	2.8	1.1	1.0	0.5	0.0	0.0	0.7	11.0	12.2	2.1	1.4	5.1	0.7	0.0	0.8	0.0	0.5	0.9
Hepatitis B	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0
	Rate	0.0	1.6	3.2	0.6	0.6	2.0	0.5	2.2	1.9	0.0	1.6	0.6	0.7	1.1	5.1	0.7	0.0	1.2	0.0	0.0	0.0
Hepatitis C	Cases	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.7	0.6	0.3	2.0	0.5	0.0	2.8	0.0	0.0	0.0	1.4	1.1	2.5	0.0	3.1	0.8	0.0	0.0	0.0
Ebola Virus Disease	Cases	0	2	3	6	1	2	0	0	1	0	0	0	0	0	1	0	0	6	0	1	3
	Rate	0.0	0.4	0.7	1.3	0.3	2.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	1.2	0.0	0.5	2.7
Lead absorption	Cases	0	0	4	2	5	1	0	0	0	0	2	2	0	0	0	0	0	3	0	0	0
	Rate	2.6	8.8	16.9	5.8	5.7	5.9	1.5	2.2	1.9	3.9	14.2	4.9	2.1	2.5	10.1	3.0	0.0	5.9	5.4	4.8	4.5
Legionellosis	Cases	0	0	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	1	0
	Rate	0.0	1.2	2.3	1.7	1.1	1.0	3.0	0.0	0.9	3.3	1.6	0.6	2.1	1.1	0.0	0.7	0.0	2.2	1.8	1.1	0.9
Leptospirosis	Cases	2	0	0	0	4	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0
	Rate	5.2	0.6	0.0	0.6	3.1	3.9	3.0	34.9	2.8	5.9	12.6	0.6	0.0	0.4	2.5	3.0	12.4	3.3	0.0	2.2	2.7
Listeriosis	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.5	1.3	1.4	0.0	1.5	0.0	0.0	0.0	1.6	0.6	0.7	0.4	2.5	0.0	0.0	0.8	1.8	1.1	0.0
Malaria	Cases	1	1	0	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	1.3	0.8	3.0	1.3	0.0	0.0	1.5	2.2	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	1.4	0.0	1.1	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	0.0	0.0	0.0	0.0	6.2	1.2	0.0	0.0	0.0
Aedes Mosquito Bites	Cases	2	0	0	1	0	0	0	0	0	2	1	0	1	0	0	0	0	1	0	0	0
	Rate	5.8	1.4	2.8	3.0	3.4	0.0	2.0	2.2	4.7	6.5	6.3	1.2	2.8	2.8	0.0	3.7	6.2	1.4	1.8	2.2	4.5
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.9	1.6	2.3	3.0	2.5	3.0	2.0	0.0	0.0	3.9	0.0	1.2	0.7	2.5	0.0	0.0	0.0	2.7	0.0	0.5	0.0
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.8	0.7	1.5	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.8	0.0	0.0	2.7
Pertussis	Cases	1	2	1	1	10	2	4	1	0	1	0	4	3	9	1	8	1	13	4	1	0
	Rate	7.8	3.9	3.0	4.3	19.5	4.9	4.9	4.4	1.9	4.6	0.0	6.7	4.2	16.0	10.1	21.6	12.4	12.0	16.3	6.5	19.0
Rheumatic fever	Cases	0	0	0	1	7	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	Rate	8.4	2.3	2.1	4.3	7.6	44.3	33.4	8.7	0.9	7.8	1.6	3.7	2.8	4.3	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	0.4	0.5	0.0	1.7	0.0	0.0	0.0	0.0	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	0.2	0.0	0.0	1.0	0.0	0.0	1.3	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Salmonellosis	Cases	7	9	10	8	9	2	4	0	1	3	3	2	3	5	2	0	1	11	5	10	3
	Rate	26.6	22.4	23.5	19.6	35.4	27.6	47.2	19.6	34.5	26.8	23.6	29.8	36.7	31.6	55.6	46.8	18.6	33.5	67.0	61.3	37.1
Shigellosis	Cases	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	Rate	0.6	3.3	5.5	4.9	0.8	0.0	2.0	0.0	1.9	1.3	0.0	0.0	3.5	3.2	0.0	3.7	0.0	1.4	0.0	2.2	0.9
Tuberculosis disease	Cases	2	3	5	7	2	0	2	1	0	1	0	2	1	2	0	0	0	2	0	0	0
	Rate	5.2	10.9	13.9	11.4	5.7	3.9	5.9	4.4	1.9	3.3	7.9	4.9	9.9	7.1	0.0	3.7	0.0	5.3	7.2	0.5	0.9
Typhoid fever	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	1.6	3.0	0.3	0.0	0.0	0.0	0.0	0.7	1.6	0.0	1.4	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	5.8	2.3	2.5	2.4	5.4	4.9	2.0	0.0	4.7	1.3	1.6	1.2	0.7	2.1	0.0	2.2	3.1	3.9	5.4	2.2	0.9
Yersiniosis	Cases	3	1	3	3	4	1	1	1	1	2	0	0	2	6	0	1	3	4	1	1	0
	Rate	8.4	8.4	9.5	7.7	11.3	15.8	7.9	17.4	10.3	20.9	9.4	6.1	16.3	19.5	0.0	13.4	68.2	28.4	27.2	6.5	10.0

¹ These data are provisional

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

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

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Notifiable Disease Surveillance Data for the 12 months ending October-2008 by District Health Board

Disease	Cases for the 12 months ending October 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	7015	251	941	723	621	623	170	266	50	218	308	99	230	294	568	54	197	53	722	148	297	182
Cryptosporidiosis	750	34	21	16	17	107	16	31	4	26	29	12	34	18	26	17	34	17	126	59	45	61
Dengue fever	99	1	20	29	28	1	3	3	0	0	3	0	1	0	2	0	0	0	8	0	0	0
Gastroenteritis	632	4	111	87	35	25	11	28	0	4	13	19	29	33	64	3	7	10	136	0	13	0
Giardiasis	1605	42	177	261	174	108	45	62	11	12	47	14	34	36	208	13	52	21	182	17	56	33
Haemophilus influenzae type b	9	0	1	0	0	0	0	2	2	0	0	0	0	0	2	0	0	0	2	0	0	0
Hazardous substances injury	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	86	4	6	13	13	4	1	1	0	0	1	7	20	3	4	2	1	0	4	0	1	1
Hepatitis B	48	0	8	14	3	2	2	1	1	2	0	1	1	1	3	2	1	0	6	0	0	0
Hepatitis C	26	0	2	3	3	1	2	1	0	3	0	0	0	2	3	1	0	1	4	0	0	0
Pharyngeal gonorrhoea	26	0	2	3	6	1	2	0	0	1	0	0	0	0	0	1	0	0	6	0	1	3
Lead absorption	268	4	45	73	27	20	6	3	1	2	6	9	8	3	7	4	4	0	29	3	9	5
Legionellosis	65	0	6	10	8	4	1	6	0	1	5	1	1	3	3	0	1	0	11	1	2	1
Leptospirosis	105	8	3	0	3	11	4	6	16	3	9	8	1	0	1	1	4	4	16	0	4	3
Listeriosis	30	0	2	2	6	5	0	3	0	0	0	1	1	1	1	1	0	0	4	1	2	0
Malaria	42	2	4	13	6	0	0	3	1	1	0	0	0	1	1	0	0	0	7	0	2	1
Measles	17	0	5	1	0	0	0	0	0	1	2	0	0	0	0	0	0	2	6	0	0	0
Neisseria meningitidis	116	9	7	12	14	12	0	4	1	5	10	4	2	4	8	0	5	2	7	1	4	5
Mumps	81	3	8	10	14	9	3	4	0	0	6	0	2	1	7	0	0	0	13	0	1	0
Paratyphoid fever	29	1	4	3	7	3	1	0	0	0	0	0	0	1	2	0	0	0	4	0	0	3
Pertussis	360	12	20	13	20	69	5	10	2	2	7	0	11	6	45	4	29	4	59	9	12	21
Rheumatic fever	237	13	12	9	20	27	45	68	4	1	12	1	6	4	12	1	0	0	2	0	0	0
Rickettsial disease	10	0	2	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	11	1	1	0	1	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	2	0
Salmonellosis	1337	41	115	102	91	125	28	96	9	37	41	15	49	52	89	22	63	6	164	37	114	41
Shigellosis	107	1	17	24	23	3	0	4	0	2	2	0	0	5	9	0	5	0	7	0	4	1
Tuberculosis disease	306	8	56	60	53	20	4	12	2	2	5	5	8	14	20	0	5	0	26	4	1	1
Typhoid fever	29	0	1	7	14	1	0	0	0	0	1	1	0	2	1	0	0	0	1	0	0	0
VTEC/STEC infection	119	9	12	11	11	19	5	4	0	5	2	1	2	1	6	0	3	1	19	3	4	1
Yersiniosis	567	13	43	41	36	40	16	16	8	11	32	6	10	23	55	0	18	22	139	15	12	11
Total	14148	461	1653	1543	1259	1248	370	637	112	339	545	204	452	508	1147	126	429	143	1713	298	587	374

Notifiable Disease Surveillance Data for the 12 months ending October-2008 by District Health Board

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

-bJ Uglj Y'dbYi a cVcWwW'X]gYUgY'VYwUa Y U bch]ZUV'Y'X]gYUgY'cb'h\Y'%+h'CVcVYf'&\$\$,
 'H\YgY'hchU'g'UbX'fUH'g'UFY'XYf]j YX'Zfca 'h\Y'9d]G]gi'fYdcfhXUH'Ug'cddcgYX'hc'h\Y'Yuf']YghUj U]UV'Y'XUH'i gYX'jb'h\Y'a Yb]b[cVcWwW'X]gYUgY'gYwUcb'cZ'h]g'fYdcfh

Disease	Current Year - 2008 ¹			Previous Year - 2007		
	October 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	October 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	632	4977	165.9	1018	10740	328.8
Cryptosporidiosis	197	649	17.7	171	823	22.4
Dengue fever	8	89	2.3	4	104	2.6
Gastroenteritis	79	514	14.9	61	504	14.4
Giardiasis	120	1394	38.0	105	1191	32.3
Haemophilus influenzae type b	2	9	0.2	0	15	0.4
Hazardous substances injury	0	2	0.0	1	3	0.1
Hepatitis A	8	79	2.0	4	35	1.0
<YdUh]hg'6	3	36	1.1	6	61	1.7
<YdUh]hg'7	2	21	0.6	2	27	0.7
⋄j Ug]j Y'dbYi a cVc'VVU' X]gYUgY	26	26	0.6	0	0	0.0
Lead absorption	19	245	6.3	8	55	1.5
Legionellosis	7	53	1.5	8	52	1.4
Leptospirosis	10	95	2.5	4	56	1.6
Listeriosis	2	23	0.7	2	19	0.6
Malaria	7	35	1.0	3	18	0.5
Measles	0	9	0.4	1	16	0.4
A Yb]b[cVc'VVU' X]gYUgY	8	101	2.7	10	89	2.8
Mumps	0	66	1.9	7	58	1.7
Paratyphoid fever	1	22	0.7	2	16	0.5
Pertussis	67	316	8.5	29	288	9.1
Rheumatic fever	11	230	5.6	5	133	3.5
Rickettsial disease	0	10	0.2	0	2	0.1
Rubella	0	7	0.3	1	7	0.2
Salmonellosis	98	1109	31.6	121	1046	29.4
Shigellosis	5	95	2.5	7	117	3.1
Tuberculosis disease	30	257	7.2	23	236	6.7
Typhoid fever	2	26	0.7	3	45	1.5
VTEC/STEC infection	6	109	2.8	14	90	2.4
Yersiniosis	38	468	13.4	39	428	12.4

¹ These data are provisional

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

³ Cases of gastroenteritis from a common source or foodborne intoxication

‘C b`mUW` hY`WUgYg`cZ`h`jg`X]gYUgY`UFY`W` ffYbhmbch]Z]UV`Y`
`⋄j Ug]j Y`dbYi a cVc'VVU' X]gYUgY`VYVW`a Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`Wc`VYf`&\$\$,
`h`Y`gY`hc`HJ`g`UbX`fUH`g`UFY`XYf]j`YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Ug`cddcgYX`hc`h`Y`YUf`Y]ghUj`Uj`UV`Y`XUH`i`gYX`j`b`h`Y`
a Yb]b[cVc'VVU' X]gYUgY`gYVW]cb`cZ`h`jg`fYdcfh`
`C`h`Yf`bch]Z]UV`Y`j`bZYVW]ci`g`X]gYUgY`fYdcfh`X`j`b`C`Wc`VYf.`7`_i`b[i`bmU`ZYf`fVc`Z`<YdUh]hg`BCG`fVc`Z`@Ydfcgm`fVc`