
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 4 March 2010. As this information may be updated over time, the results should be regarded as provisional only.

Table of contents

1. Key notifiable disease trends	1
2. Outbreaks	3
3. Deaths from notifiable diseases	3
4. Trends in selected diseases to February 2010	4
5. Data Tables	5

1. Key notifiable disease trends

- *Campylobacteriosis*: 705 campylobacteriosis cases were notified in February 2010 compared to 594 cases in the same month of the previous year. Five hundred and ninety five cases were reported to be laboratory-confirmed. For the 12 month period ending 28 February 2010, the highest incidence rates were reported from Hutt Valley (271.9 per 100 000 population, 388 cases) and Capital and Coast (253.7 per 100 000, 731 cases) DHBs compared to a national rate of 170.0 per 100 000.
- *Hepatitis A*: Seven hepatitis A cases were notified in February 2010 compared to three in the same month of the previous year. Ethnicity was reported as Asian (3 cases), European (3 cases) and is unknown for the remaining case. Five cases reported overseas travel during the incubation period (71.4%, 5/7) and countries visited included Fiji (2 cases), India (2 cases), Australia, United Arab Emirates and Vanuatu (1 case each). The two remaining cases had unknown overseas travel history and have since been de-notified.
- *Legionellosis*: 31 cases of legionellosis were notified in February 2010 (3 confirmed, 4 probable and 24 under investigation) compared to eight notified cases in the same month of the previous year (Figure 1). The highest number of cases were from Counties Manukau (9 cases), Northland (7 cases), Waitemata (6 cases) and Auckland (3 cases) DHBs. The cases were distributed by age as follows 1-4 years (1 case), 5-9 years (2 cases), 10-14 years (1 case), 15-19 years (2 cases), 20-29 years (1 case), 30-39 years (4 cases), 40-49 years (8 cases), 50-59 years (6 cases), 60-69 years (3 cases) and 70+ years (3 cases). Fifteen of the cases were hospitalised. The species involved was identified for 12 cases; *Legionella longbeachae* serogroup 1 or 2 (4 cases), *L. longbeachae* serogroup 1 (2 cases), *L. pneumophila* serogroup 1 (2 cases), *L. gormanii* (1 case), *L. longbeachae* serogroup 2 (1 case), *L. pneumophila* serogroup 4 (1 case) and *L. pneumophila* serogroup 12 (1 case).

- *Leptospirosis*: 15 cases of leptospirosis (9 confirmed and 6 under investigation) were notified in February 2010 compared with 15 in the preceding month and two in the same month of the previous year (Figure 2). The highest number of cases was reported from Hawke's Bay DHB (4 cases), followed by Bay of Plenty and Nelson Marlborough (2 cases each) DHBs. Of the eight cases with an occupation recorded, four (50.0%) were farmers and there was one of each of the following: hunter-trapper, labourer, meat process worker and stock truck driver. The *Leptospira* serovar was available for eight of the 15 notified cases: *L. Ballum* (5 cases), *L. Tarassovi* (2 cases) and *L. Hardjo* (1 case).
- *Meningococcal disease*: Based on the earliest date available¹, four cases of meningococcal disease were notified during February 2010, none of which were laboratory-confirmed. In comparison, seven were notified in the previous month, January 2010, and nine cases were notified during the same month in 2009. For the 12 month period ending 28 February 2010, Tairāwhiti DHB recorded the highest incidence rate of 13.0 per 100 000 population (6 cases), followed by MidCentral (5.4 per 100 000, 9 cases) and Northland (4.5 per 100 000, 7 cases) DHBs. The highest age-specific incidence rate was in infants aged less than one year (42.8 per 100 000 population, 27 cases), followed by those in the 1-4 years age group (12.8 per 100 000, 31 cases).
- *Taeniasis*: One case of laboratory-confirmed taeniasis was notified in February 2010. The 40-49 year old African female from Counties Manukau DHB was in Ethiopia during the incubation period and regularly consumes raw meat.
- *Tetanus*: two confirmed cases of tetanus were notified in February. A 40-49 year old European male from Waitemata DHB probably contracted tetanus from a nail which punctured his foot. A 60-69 year old European female from Hutt Valley DHB probably contract tetanus from a foot laceration while working in the garden. Both cases were hospitalised.

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: 12 outbreak reports were entered into EpiSurv and completed during February 2010 (Table 1).

Table 1: Summary of completed outbreaks reported to ESR during February 2010

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Wellington	1	4
<i>Cryptosporidium</i>	Auckland	1	4
Gastroenteritis	Waikato, Hutt, Canterbury	3	46
<i>Giardia</i>	Auckland, Canterbury	3	16
Norovirus	Hutt, Canterbury, Otago	3	105
<i>Salmonella</i>	Auckland	1	3
Total		12	178

Interim outbreak reports: 29 interim outbreaks have been reported in February 2010. 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 February 2010

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Hutt, Wellington	2	6
<i>Campylobacter</i>	Hutt	1	3
<i>Cryptosporidium</i>	Auckland	3	4
Gastroenteritis	Auckland, Rotorua, Manawatu, Wellington, Southland	16	113
Norovirus	Northland, Hawke's Bay, Manawatu	3	33
<i>Salmonella</i>	Auckland	2	4
<i>Shigella</i>	Auckland	1	3
VTEC	Wellington	1	-
Total		29	166

3. Deaths from notifiable diseases

Two deaths were reported for the month of February from invasive pneumococcal disease and tuberculosis disease – new case (Table 3).

Table 3: Summary of deaths from notifiable diseases reported to ESR during February 2010

Disease	District Health Board	Age group
Invasive pneumococcal disease	Hutt Valley	70+
Tuberculosis disease – new case	Counties Manukau	70+

4. Trends in selected diseases to February 2010

Figure 1: Legionellosis notifications by month by year, January 2004 – February 2010

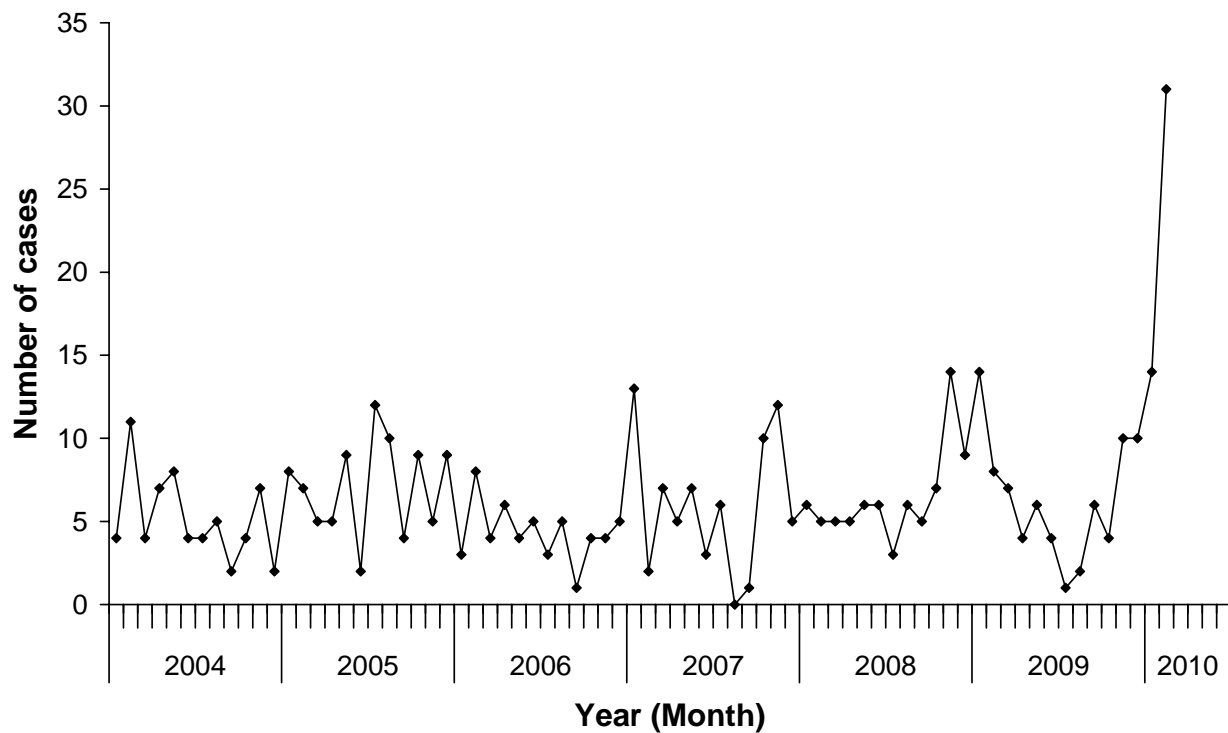
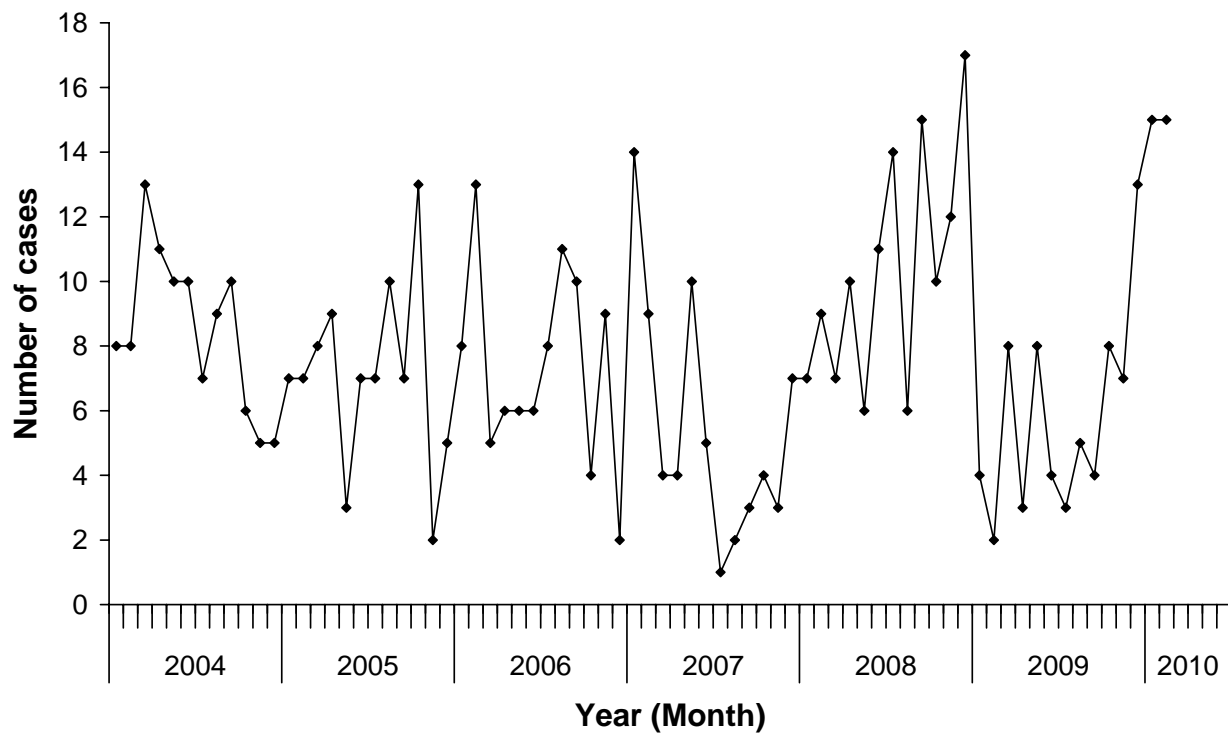


Figure 2: Leptospirosis notifications by month by year, January 2004 – February 2010



5. Data Tables

National Notifiable Disease Surveillance Data February 2010

Disease	Current Year - 2010 ¹			Previous Year - 2009		
	February 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	February 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	705	1545	170.0	594	1385	158.5
Cryptosporidiosis	58	126	20.8	54	84	18.5
Dengue fever	6	6	2.2	21	51	3.3
Gastroenteritis ³	41	83	16.8	35	72	15.1
Giardiasis	188	339	39.2	164	287	39.4
Haemophilus influenzae type b	1	4	0.3	0	0	0.1
Hazardous substances injury	0	0	0.2	1	1	0.2
Hepatitis A	7	10	1.1	3	7	2.0
Hepatitis B ⁴	4	9	1.2	5	11	0.9
Hepatitis C ⁴	1	2	0.6	4	8	0.6
Invasive pneumococcal disease ⁵	11	38	15.4	30	76	4.8
Lead absorption	22	30	8.0	42	53	8.2
Legionellosis	31	45	2.3	8	22	2.0
Leptospirosis	15	30	2.2	2	6	2.6
Listeriosis	6	10	0.8	3	5	0.6
Malaria	3	13	1.2	8	10	1.1
Measles	1	1	5.5	12	16	0.7
Meningococcal disease ⁶	5	12	2.9	9	19	3.0
Mumps	6	11	1.7	2	2	1.3
Non seasonal influenza A (H1N1) ⁷	0	3	85.1	0	0	0.0
Paratyphoid fever	3	4	0.6	2	4	0.4
Pertussis	97	193	31.8	140	219	14.0
Rheumatic fever	12	21	3.3	5	17	3.5
Rickettsial disease	1	2	0.2	0	0	0.2
Salmonellosis	124	223	24.8	137	282	29.7
Shigellosis	7	12	2.5	16	24	2.9
Tuberculosis disease	30	64	7.3	30	55	7.0
Typhoid fever	5	13	0.7	11	17	0.9
VTEC/STEC infection	19	28	3.0	24	40	3.0
Yersiniosis	32	78	9.2	47	114	11.9

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including February 2010) or the previous year (12 months up to and including February 2009), 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

⁷ Non-seasonal influenza (capable of transmission between human beings) became an infectious notifiable disease on 29 April 2009.

Other notifiable infectious disease reported in February: Hepatitis NOS (1) , Paralytic shellfish poisoning (1) , Ross River virus infection (1) , Taeniasis (1) , Tetanus (2) , Toxic shellfish poisoning (1)

Notifiable Disease Surveillance Data by District Health Board February 2010

		Cases ¹ and current rate ² for February 2010 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	77	58	42	56	11	30	5	39	27	13	32	46	68	12	20	5	89	12	33	18
	Rate	122.6	172.8	174.3	138.7	183.3	188.6	159.8	82.3	231.0	229.4	232.8	150.7	271.9	253.7	182.6	117.7	150.4	125.5	187.2	137.9	152.9
Cryptosporidiosis	Cases	3	2	6	4	4	0	0	0	0	1	1	1	0	7	0	3	0	22	1	2	1
	Rate	25.0	13.1	12.6	10.2	30.3	13.8	11.6	21.6	22.2	24.7	15.8	16.9	9.8	44.8	30.0	16.8	61.4	29.5	52.2	15.4	19.7
Dengue fever	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	Rate	1.9	2.6	3.4	4.4	1.1	2.0	1.9	4.3	0.9	2.6	1.6	1.2	1.4	3.8	0.0	0.0	3.1	1.2	0.0	0.5	0.0
Gastroenteritis	Cases	0	4	4	2	5	0	0	0	0	0	1	8	0	3	0	0	0	8	0	6	0
	Rate	2.6	16.1	23.4	9.1	8.3	11.8	2.4	0.0	0.0	7.8	19.0	69.3	35.0	28.1	5.0	7.3	276.2	9.8	5.4	7.4	2.7
Giardiasis	Cases	1	31	28	17	13	7	9	0	2	5	1	4	4	15	0	2	2	33	1	9	4
	Rate	37.2	33.3	48.2	40.5	40.6	64.8	35.1	21.6	40.7	45.5	31.7	13.3	25.9	60.4	27.5	36.5	49.1	43.0	18.0	25.5	30.4
Haemophilus influenzae type b	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	0.6	0.0	0.4	1.1	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.7	0.0	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	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	Cases	0	1	2	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	Rate	0.0	0.8	2.3	1.5	1.1	0.0	1.0	0.0	0.0	2.6	0.0	1.8	1.4	1.4	0.0	0.0	0.0	1.2	0.0	0.0	0.9
Hepatitis B	Cases	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.9	0.9	2.0	1.5	0.3	2.0	1.9	4.3	0.9	0.6	1.6	1.2	0.0	0.7	7.5	1.5	6.1	0.8	0.0	1.1	0.0
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.9	0.4	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.6	1.4	0.7	5.0	0.0	0.0	0.8	1.8	1.1	0.0
HbA1c ≥ 6.5% diabetes mellitus	Cases	0	1	1	2	1	1	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0
	Rate	18.0	11.4	11.0	17.9	21.4	28.5	23.6	17.3	20.3	22.1	20.6	10.8	19.6	11.1	25.0	13.9	0.0	10.8	9.0	15.4	13.4
Lead absorption	Cases	0	1	6	4	0	0	0	1	0	0	0	2	2	0	0	1	0	2	2	1	0
	Rate	2.6	6.8	17.6	10.2	5.8	7.9	3.4	15.2	3.7	3.2	9.5	6.6	9.8	3.8	7.5	8.0	0.0	6.2	12.6	12.2	8.0
Legionellosis	Cases	7	6	3	9	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0
	Rate	5.8	3.4	2.3	3.1	0.6	0.0	3.4	2.2	0.0	1.9	0.0	0.6	0.7	1.0	5.0	0.7	12.3	3.2	1.8	1.6	1.8
Leptospirosis	Cases	0	0	0	0	1	0	2	0	1	4	1	1	0	0	0	2	1	1	0	0	1
	Rate	3.9	0.2	0.2	0.2	5.3	2.9	2.9	0.0	5.5	5.8	6.3	5.4	0.0	0.3	0.0	2.9	18.4	2.0	3.6	0.0	4.5
Listeriosis	Cases	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.0	0.8	1.1	0.6	1.4	0.0	1.4	6.5	0.9	0.0	1.6	1.8	0.7	0.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0
Malaria	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	1.3	2.0	2.9	1.1	0.0	1.4	0.0	0.9	1.3	0.0	0.0	0.0	1.0	2.5	1.5	6.1	0.8	0.0	0.0	0.9
Measles	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	2.6	2.5	1.8	0.6	0.3	0.0	1.0	0.0	0.0	0.6	1.6	0.6	0.0	0.0	0.0	0.7	21.5	33.7	1.8	11.7	1.8
Meningococcal infection	Cases	2	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	4.5	0.9	2.7	4.4	2.5	2.9	3.9	13.0	2.8	3.9	1.6	5.4	4.2	3.8	2.5	0.0	3.1	2.2	0.0	2.1	1.8
Mumps	Cases	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0
	Rate	1.9	0.9	1.1	1.2	2.2	1.0	1.9	0.0	1.8	0.6	0.0	0.0	2.1	3.1	5.0	2.2	3.1	2.8	5.4	1.1	0.0
Non-communicable diseases	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	115.6	63.2	83.8	65.0	50.3	49.1	50.5	108.2	30.5	113.1	112.4	47.6	149.3	178.8	135.1	58.5	199.4	119.3	138.6	42.4	41.1
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	Rate	0.0	0.9	0.9	0.4	0.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.5	0.0	0.0	0.8	0.0	0.0	0.0
Pertussis	Cases	1	5	2	6	10	0	5	1	9	4	1	4	11	13	0	0	0	20	3	1	1
	Rate	10.3	23.1	14.6	14.5	64.7	29.5	29.8	34.6	45.3	18.2	9.5	20.5	43.4	41.3	25.0	48.2	52.2	59.2	54.0	9.0	21.5
Rheumatic fever	Cases	2	0	1	5	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	Rate	10.9	1.7	2.9	9.5	5.6	2.9	1.9	23.8	0.0	4.5	0.0	0.6	4.2	1.7	0.0	0.7	0.0	0.2	0.0	0.0	0.0
Rickettsial disease	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	0.0	0.2	0.8	0.0	0.0	0.0	0.0	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	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Salmonellosis	Cases	1	15	12	5	8	0	5	2	3	2	1	4	5	10	0	10	1	21	5	11	3
	Rate	19.9	17.4	22.7	16.8	28.6	19.6	16.8	39.0	20.3	31.2	15.8	18.1	26.6	19.8	45.0	28.5	30.7	31.5	59.4	41.9	42.0
Shigellosis	Cases	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	Rate	1.9	3.8	4.1	5.4	1.9	0.0	1.0	2.2	0.0	0.6	0.0	0.6	2.8	1.7	2.5	1.5	3.1	1.4	1.8	2.1	2.7
Tuberculosis disease	Cases	2	6	4	8	4	0	1	0	0	1	0	0	1	2	0	1	0	0	0	0	0
	Rate	4.5	10.4	14.0	14.3	4.4	5.9	5.8	13.0	0.0	6.5	1.6	3.6	8.4	6.6	0.0	2.9	6.1	4.4	3.6	0.5	0.9
Typhoid fever	Cases	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	2.3	1.9	0.6	0.0	0.5	0.0	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
VTEC/STEC infection	Cases	1	3	1	0	4	0	3	0	0	0	0	0	0	1	0	2	0	2	0	1	1
	Rate	3.2	1.7	2.0	1.7	5.8	4.9	5.8	4.3	10.2	2.6	0.0	1.2	1.4	1.7	2.5	2.9	3.1	4.0	3.6	2.7	2.7
Yersiniosis	Cases	0	3	7	1	3	0	3	1	1	0	0	0	3	5	0	0	0	3	1	0	1
	Rate	5.1	9.5	14.2	6.9	6.7	9.8	2.4	6.5	9.2	10.4	6.3	3.0	14.7	12.8	0.0	2.2	43.0	12.0	16.2	9.0	2.7

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including February 2010 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 February 2010

		Cases ¹ and current rate ² for February 2010 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	77	58	42	56	11	30	5	39	27	13	32	46	68	12	20	5	89	12	33	18
	Rate	122.6	172.8	174.3	138.7	183.3	188.6	159.8	82.3	231.0	229.4	232.8	150.7	271.9	253.7	182.6	117.7	150.4	125.5	187.2	137.9	152.9
Cryptosporidiosis	Cases	3	2	6	4	4	0	0	0	0	1	1	1	0	7	0	3	0	22	1	2	1
	Rate	25.0	13.1	12.6	10.2	30.3	13.8	11.6	21.6	22.2	24.7	15.8	16.9	9.8	44.8	30.0	16.8	61.4	29.5	52.2	15.4	19.7
Dengue fever	Cases	0	1	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	Rate	1.9	2.6	3.4	4.4	1.1	2.0	1.9	4.3	0.9	2.6	1.6	1.2	1.4	3.8	0.0	0.0	3.1	1.2	0.0	0.5	0.0
Gastroenteritis	Cases	0	4	4	2	5	0	0	0	0	0	1	8	0	3	0	0	0	8	0	6	0
	Rate	2.6	16.1	23.4	9.1	8.3	11.8	2.4	0.0	0.0	7.8	19.0	69.3	35.0	28.1	5.0	7.3	276.2	9.8	5.4	7.4	2.7
Giardiasis	Cases	1	31	28	17	13	7	9	0	2	5	1	4	4	15	0	2	2	33	1	9	4
	Rate	37.2	33.3	48.2	40.5	40.6	64.8	35.1	21.6	40.7	45.5	31.7	13.3	25.9	60.4	27.5	36.5	49.1	43.0	18.0	25.5	30.4
Haemophilus influenzae type b	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	0.6	0.0	0.4	1.1	0.0	0.5	0.0	0.0	0.0	0.0	0.6	0.7	0.0	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	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	Cases	0	1	2	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	Rate	0.0	0.8	2.3	1.5	1.1	0.0	1.0	0.0	0.0	2.6	0.0	1.8	1.4	1.4	0.0	0.0	0.0	1.2	0.0	0.0	0.9
Hepatitis B	Cases	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	Rate	1.9	0.9	2.0	1.5	0.3	2.0	1.9	4.3	0.9	0.6	1.6	1.2	0.0	0.7	7.5	1.5	6.1	0.8	0.0	1.1	0.0
Hepatitis C	Cases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.9	0.4	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.6	1.4	0.7	5.0	0.0	0.0	0.8	1.8	1.1	0.0
ꞡj Ugj Y dbYi a cVcVWU' X]gYUgY	Cases	0	1	1	2	1	1	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0
	Rate	18.0	11.4	11.0	17.9	21.4	28.5	23.6	17.3	20.3	22.1	20.6	10.8	19.6	11.1	25.0	13.9	0.0	10.8	9.0	15.4	13.4
Lead absorption	Cases	0	1	6	4	0	0	0	1	0	0	0	2	2	0	0	1	0	2	2	1	0
	Rate	2.6	6.8	17.6	10.2	5.8	7.9	3.4	15.2	3.7	3.2	9.5	6.6	9.8	3.8	7.5	8.0	0.0	6.2	12.6	12.2	8.0
Legionellosis	Cases	7	6	3	9	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0
	Rate	5.8	3.4	2.3	3.1	0.6	0.0	3.4	2.2	0.0	1.9	0.0	0.6	0.7	1.0	5.0	0.7	12.3	3.2	1.8	1.6	1.8
Leptospirosis	Cases	0	0	0	0	1	0	2	0	1	4	1	1	0	0	0	2	1	1	0	0	1
	Rate	3.9	0.2	0.2	0.2	5.3	2.9	2.9	0.0	5.5	5.8	6.3	5.4	0.0	0.3	0.0	2.9	18.4	2.0	3.6	0.0	4.5
Listeriosis	Cases	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.0	0.8	1.1	0.6	1.4	0.0	1.4	6.5	0.9	0.0	1.6	1.8	0.7	0.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0
Malaria	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	1.3	2.0	2.9	1.1	0.0	1.4	0.0	0.9	1.3	0.0	0.0	0.0	1.0	2.5	1.5	6.1	0.8	0.0	0.0	0.9
Measles	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	2.6	2.5	1.8	0.6	0.3	0.0	1.0	0.0	0.0	0.6	1.6	0.6	0.0	0.0	0.0	0.7	21.5	33.7	1.8	11.7	1.8
A Yb]b[cVcVWU' X]gYUgY	Cases	2	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	4.5	0.9	2.7	4.4	2.5	2.9	3.9	13.0	2.8	3.9	1.6	5.4	4.2	3.8	2.5	0.0	3.1	2.2	0.0	2.1	1.8
Mumps	Cases	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0
	Rate	1.9	0.9	1.1	1.2	2.2	1.0	1.9	0.0	1.8	0.6	0.0	0.0	2.1	3.1	5.0	2.2	3.1	2.8	5.4	1.1	0.0
Bcb`gYUgcbU`]bZi YbnU'5`fk`%B`%`	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	115.6	63.2	83.8	65.0	50.3	49.1	50.5	108.2	30.5	113.1	112.4	47.6	149.3	178.8	135.1	58.5	199.4	119.3	138.6	42.4	41.1
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	Rate	0.0	0.9	0.9	0.4	0.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.5	0.0	0.0	0.8	0.0	0.0	0.0
Pertussis	Cases	1	5	2	6	10	0	5	1	9	4	1	4	11	13	0	0	0	20	3	1	1
	Rate	10.3	23.1	14.6	14.5	64.7	29.5	29.8	34.6	45.3	18.2	9.5	20.5	43.4	41.3	25.0	48.2	52.2	59.2	54.0	9.0	21.5
Rheumatic fever	Cases	2	0	1	5	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	Rate	10.9	1.7	2.9	9.5	5.6	2.9	1.9	23.8	0.0	4.5	0.0	0.6	4.2	1.7	0.0	0.7	0.0	0.2	0.0	0.0	0.0
Rickettsial disease	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	0.0	0.2	0.8	0.0	0.0	0.0	0.0	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	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Salmonellosis	Cases	1	15	12	5	8	0	5	2	3	2	1	4	5	10	0	10	1	21	5	11	3
	Rate	19.9	17.4	22.7	16.8	28.6	19.6	16.8	39.0	20.3	31.2	15.8	18.1	26.6	19.8	45.0	28.5	30.7	31.5	59.4	41.9	42.0
Shigellosis	Cases	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	Rate	1.9	3.8	4.1	5.4	1.9	0.0	1.0	2.2	0.0	0.6	0.0	0.6	2.8	1.7	2.5	1.5	3.1	1.4	1.8	2.1	2.7
Tuberculosis disease	Cases	2	6	4	8	4	0	1	0	0	1	0	0	1	2	0	1	0	0	0	0	0
	Rate	4.5	10.4	14.0	14.3	4.4	5.9	5.8	13.0	0.0	6.5	1.6	3.6	8.4	6.6	0.0	2.9	6.1	4.4	3.6	0.5	0.9
Typhoid fever	Cases	0	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	2.3	1.9	0.6	0.0	0.5	0.0	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
VTEC/STEC infection	Cases	1	3	1	0	4	0	3	0	0	0	0	0	0	1	0	2	0	2	0	1	1
	Rate	3.2	1.7	2.0	1.7	5.8	4.9	5.8	4.3	10.2	2.6	0.0	1.2	1.4	1.7	2.5	2.9	3.1	4.0	3.6	2.7	2.7
Yersiniosis	Cases	0	3	7	1	3	0	3	1	1	0	0	0	3	5	0	0	0	3	1	0	1
	Rate	5.1	9.5	14.2	6.9	6.7	9.8	2.4	6.5	9.2	10.4	6.3	3.0	14.7	12.8	0.0	2.2	43.0	12.0	16.2	9.0	2.7

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including February 2010 expressed as cases per 100 000

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

ꞡj Ugj Y`dbYi a cVcVWU' X]gYUgY`VYWUa Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`Vh`c`VYf`&\$\$,
`H`YgY`hc`H`U`g`UbX`f`UH`g`UFY`XYfj] YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Ug`cddcgYX`hc`h`Y`YUf`Y]gh`Uj`Uj]UV`Y`XUH`i`gYX`]b`h`Y`a`Yb]b[cVcVWU' X]gYUgY`gYVh]cb`c`ZH`jg`fYdcfh
`Bcb]gYUgcbU`]bZi`YbnU`fWUdUV`Y`c`ZH`f`Ubga`]gg]cb`VYhk`YYb`i`i`a`Ub`VY]b[gk`VYWUa`Y`Ub`]bZYVh]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`5dfj`'&\$\$_`-`

Notifiable Disease Surveillance Data for the 12 months ending February-2010 by District Health Board

Disease	Cases for the 12 months ending February 2010 ^{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	7335	191	913	774	668	660	192	332	38	250	353	147	250	388	731	73	161	49	630	104	260	171
Cryptosporidiosis	896	39	69	56	49	109	14	24	10	24	38	10	28	14	129	12	23	20	148	29	29	22
Dengue fever	94	3	14	15	21	4	2	4	2	1	4	1	2	2	11	0	0	1	6	0	1	0
Gastroenteritis	725	4	85	104	44	30	12	5	0	0	12	12	115	50	81	2	10	90	49	3	14	3
Giardiasis	1690	58	176	214	195	146	66	73	10	44	70	20	22	37	174	11	50	16	216	10	48	34
Haemophilus influenzae type b	14	1	3	0	2	4	0	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0
Hazardous substances injury	10	1	1	1	0	0	0	0	0	0	5	0	1	0	1	0	0	0	0	0	0	0
Hepatitis A	47	0	4	10	7	4	0	2	0	0	4	0	3	2	4	0	0	0	6	0	0	1
Hepatitis B	53	3	5	9	7	1	2	4	2	1	1	1	2	0	2	3	2	2	4	0	2	0
Hepatitis C	26	1	1	4	2	0	0	0	0	4	0	0	1	2	2	2	0	0	4	1	2	0
Isotretinoin toxicity	665	28	60	49	86	77	29	49	8	22	34	13	18	28	32	10	19	0	54	5	29	15
Lead absorption	345	4	36	78	49	21	8	7	7	4	5	6	11	14	11	3	11	0	31	7	23	9
Legionellosis	99	9	18	10	15	2	0	7	1	0	3	0	1	1	3	2	1	4	16	1	3	2
Leptospirosis	93	6	1	1	1	19	3	6	0	6	9	4	9	0	1	0	4	6	10	2	0	5
Listeriosis	33	0	4	5	3	5	0	3	3	1	0	1	3	1	1	0	0	0	0	0	3	0
Malaria	53	0	7	9	14	4	0	3	0	1	2	0	0	0	3	1	2	2	4	0	0	1
Measles	236	4	13	8	3	1	0	2	0	0	1	1	1	0	0	0	1	7	169	1	22	2
Non-infectious diseases	126	7	5	12	21	9	3	8	6	3	6	1	9	6	11	1	0	1	11	0	4	2
Mumps	72	3	5	5	6	8	1	4	0	2	1	0	0	3	9	2	3	1	14	3	2	0
Non-infectious diseases	3671	180	334	372	313	181	50	105	50	33	174	71	79	213	515	54	80	65	599	77	80	46
Paratyphoid fever	25	0	5	4	2	2	2	0	0	0	0	0	0	1	4	1	0	0	4	0	0	0
Pertussis	1373	16	122	65	70	233	30	62	16	49	28	6	34	62	119	10	66	17	297	30	17	24
Rheumatic fever	144	17	9	13	46	20	3	4	11	0	7	0	1	6	5	0	1	0	1	0	0	0
Rickettsial disease	7	1	2	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	4	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Salmonellosis	1070	31	92	101	81	103	20	35	18	22	48	10	30	38	57	18	39	10	158	33	79	47
Shigellosis	107	3	20	18	26	7	0	2	1	0	1	0	1	4	5	1	2	1	7	1	4	3
Tuberculosis disease	313	7	55	62	69	16	6	12	6	0	10	1	6	12	19	0	4	2	22	2	1	1
Typhoid fever	30	0	6	10	9	2	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0
VTEC/STEC infection	131	5	9	9	8	21	5	12	2	11	4	0	2	2	5	1	4	1	20	2	5	3
Yersiniosis	395	8	50	63	33	24	10	5	3	10	16	4	5	21	37	0	3	14	60	9	17	3
Total	19882	630	2124	2082	1851	1716	458	773	194	488	836	309	635	908	1973	207	486	309	2544	320	645	394

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

“b] Uj] Y`dbYi a cVtVWU`X]gYUgY`VYVWla Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`WtVYf`&\$\$,`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`]b`h`Y`a`Yb]b[`cVtVWU`X]gYUgY`gYVW]cb`cZ`h`Jg`fYdcfh`Bcb]`gYUgcbU`]bZi`YbnU`fWUdUV`Y`cZ`fUbg`a`Jgg]cb`VYhk`YYb`\\i`a`Ub`VY]b[`gE`VYVWla`Y`Ub`]bZ`VW]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`5df)``&\$\$-`”

National Notifiable Disease Surveillance Data February 2010

Disease	Current Year - 2010 ¹			Previous Year - 2009		
	February 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	February 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	705	1545	170.0	594	1385	158.5
Cryptosporidiosis	58	126	20.8	54	84	18.5
Dengue fever	6	6	2.2	21	51	3.3
Gastroenteritis ³	41	83	16.8	35	72	15.1
Giardiasis	188	339	39.2	164	287	39.4
Haemophilus influenzae type b	1	4	0.3	0	0	0.1
Hazardous substances injury	0	0	0.2	1	1	0.2
Hepatitis A	7	10	1.1	3	7	2.0
<YdUh]hg`6	4	9	1.2	5	11	0.9
<YdUh]hg`7	1	2	0.6	4	8	0.6
⊕j Ug]j Y`dbYi a cWŁVWU`X]gYUgY	11	38	15.4	30	76	4.8
Lead absorption	22	30	8.0	42	53	8.2
Legionellosis	31	45	2.3	8	22	2.0
Leptospirosis	15	30	2.2	2	6	2.6
Listeriosis	6	10	0.8	3	5	0.6
Malaria	3	13	1.2	8	10	1.1
Measles	1	1	5.5	12	16	0.7
A Yb]b[cWŁVWU`X]gYUgY	5	12	2.9	9	19	3.0
Mumps	6	11	1.7	2	2	1.3
Bcb`gYUgcbU`]bZi YbnU`5`fk`%B`%Ł`	0	3	85.1	0	0	0.0
Paratyphoid fever	3	4	0.6	2	4	0.4
Pertussis	97	193	31.8	140	219	14.0
Rheumatic fever	12	21	3.3	5	17	3.5
Rickettsial disease	1	2	0.2	0	0	0.2
Salmonellosis	124	223	24.8	137	282	29.7
Shigellosis	7	12	2.5	16	24	2.9
Tuberculosis disease	30	64	7.3	30	55	7.0
Typhoid fever	5	13	0.7	11	17	0.9
VTEC/STEC infection	19	28	3.0	24	40	3.0
Yersiniosis	32	78	9.2	47	114	11.9

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including February 2010) or the previous year (12 months up to and including February 2009), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

`C b`mUW`H Y`WUgYg`cZ`h.]g`X]gYUgY`UfY`W`ffYbhmbch]Z]UV`Y`
`⊕j Ug]j Y`dbYi a cWŁVWU`X]gYUgY`VYVWa`Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+`h`C`WŁc`VYf`&\$\$,
`H`YgY`h`HJ`g`UbX`fUH`g`UfY`XYf]j`YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Ug`cddcgYX`h`h`Y`YUf`]YghUj`Uj`UV`Y`XUH`i`gYX`]b`h`Y`
a`Yb]b[cWŁVWU`X]gYUgY`gYVW]cb`cZ`h.]g`fYdcfh`
`Bcb!`gYUgcbU`]bZi`YbnU`fVWdUV`Y`cZ`h`fUbga`]gg]cb`VYh`Yyb`\\i`a`Ub`VY]b[`gŁVYVWa`Y`Ub`]bZYVW]ci`g`bch]Z]UV`Y`X]gYUgY`cb`
&-`5dfj``&\$\$-`"

Other notifiable infectious disease reported in February: Hepatitis NOS (1) , Paralytic shellfish poisoning (1) , Ross River virus infection (1) , Taeniasis (1) , Tetanus (2) , Toxic shellfish poisoning (1)