
MONTHLY SURVEILLANCE REPORT

Data contained within this February monthly report is based on information recorded on EpiSurv by public health service staff up until 11 March 2004. 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

- *Campylobacteriosis*: 1075 cases of campylobacteriosis were notified in February 2004, of whom 1038 (96.6%) were confirmed. Last month 1491 campylobacteriosis cases and last year in the same month 1266 campylobacteriosis cases were notified. Compared to the national rate of 28.8 per 100 000, incidence rates were higher in '1 to 4 years' age group with a monthly rate of 46.7 per 100 000, '20 to 29 years' age group with a monthly rate of 41.9 and 'less than one year' age group with a monthly rate of 32.9. Of the 150 cases for whom information on contact with animals was recorded, 53 (35.3%) reported contact with farm animals. Of the February cases 33.6% (41/122) cases consumed untreated water and 50.9% (54/106) cases consumed food from a food premise during the incubation period. According to information recorded on EpiSurv, 3 campylobacteriosis outbreaks occurred in February.
- *Legionellosis*: 11 cases of legionellosis were notified in February of whom 8 were laboratory confirmed (according to information recorded on EpiSurv). In comparison, 4 cases were notified during February 2003. Of the February notifications, 2 cases had clinical evidence of pneumonia, 3 had radiological evidence of pneumonia and 3 had both clinical evidence and radiological evidence of pneumonia. Two cases were aged between 35 and 50 years, 4 cases were aged between 50 and 65 years, and 5 cases were aged over 65 years. Seven cases were hospitalised.
- *Giardiasis*: A total of 156 cases was notified in February 2004, compared to 130 cases during the same month the previous year. Among February cases for whom this information was recorded, 7 (31.8%) reported contact with children in nappies, other types of faecal matter or vomit during the incubation period, 9 (37.5%) reported contact with other symptomatic people and 21 (47.7%) had been overseas during the incubation period. There were 2 giardia outbreaks in February.

- *Measles*: During February there were 3 measles notifications, compared to zero cases during February the previous year. There were 13 measles notifications in January 2004. Of the February notifications none have been laboratory-confirmed. All 3 cases were children aged less than 10 years. Of the 3 cases, two were immunised and the other case had no immunisation records.
- *Meningococcal disease*: Based on earliest date available, 18 cases of meningococcal disease were notified during February 2004, of which 12 (66.7%) were laboratory-confirmed. In comparison, 22 cases were notified the previous month, and 40 cases were notified during February 2003. Auckland DHB recorded the highest monthly rate of 1.6 per 100 000 population (6 cases), compared to a national monthly rate of 0.5 per 100 000 population. Rates of disease were highest in the 'less than one year' age group with a monthly rate of 5.5 per 100 000 (3 cases).
- *Pertussis*: During February 2004 there were 127 pertussis notifications, compared to 110 cases the previous month, and 48 cases during February the previous year. Of the February notifications 81 (63.7%) cases were laboratory confirmed. Among 126 cases for whom report source was recorded on EpiSurv, 112 (88.9%) cases were reported from general practitioners, 9 (7.1%) cases were reported from hospital-based practitioners, 3 (2.4%) cases were from laboratory notifications and 2 (1.6%) cases were reported from other sources.
- *Salmonellosis*: 98 cases were notified during February 2004, compared to 167 cases during the same month the previous year. In January 2004 there were 141 salmonellosis cases. Among the 123 human cases confirmed by the ESR Enteric Reference Laboratory (ERL) in February, the most frequently identified serotype was *S. Typhimurium* (68 cases, including 27 cases of *S. Typhimurium* phage type 160) and *S. Infantis* (13 cases). Information on animal contact was recorded for 41 notified cases, of whom 11 (26.8%) reported contact with farm animals. Of the 49 cases with travel information recorded, 7 (14.3%) reported travelling overseas during the incubation period.
- *VTEC/STEC*: 16 VTEC/STEC cases were notified during February 2004. Of these 13 VTEC/STEC cases were confirmed by the ESR Enteric Reference Laboratory (ERL). Fifty percent of February notifications were aged 10 years or less. Hospitalisation status was recorded for 14 cases, of whom 6 were hospitalised. Among the 9 notified cases for whom this information was recorded, 7 reported contact with animals in the week before becoming ill. According to information recorded on EpiSurv, one outbreak commenced in February.

2. Deaths from notifiable diseases

One death from Listeriosis was reported in February. The case was a female aged between 70 and 80 years.

3. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2004 ²			Previous year - 2003		
	Feb 2004 cases	Cumulative total since 1 January	Current rate ³	Feb 2003 cases	Cumulative total since 1 January	Previous rate ³
AIDS	4	7	0.9	5	9	0.6
Campylobacteriosis	1075	2571	382.7	1266	3053	343.0
Cryptosporidiosis	19	36	20.6	60	84	26.2
Dengue fever	1	2	1.1	7	15	2.1
Gastroenteritis ⁴	60	121	27.7	64	113	28.8
Giardiasis	156	301	43.1	130	261	41.0
<i>H. influenzae</i> type b disease	0	0	0.3	0	2	0.1
Hepatitis A	7	13	1.7	12	18	2.6
Hepatitis B (acute) ⁵	10	13	1.7	4	12	1.8
Hepatitis C (acute) ⁵	6	6	1.2	0	4	1.4
Hydatid disease	0	0	0	0	0	0.1
Influenza ⁶	4	7	28.3	0	0	18.5
Lead absorption	7	17	3.1	16	21	2.6
Legionellosis	11	15	2.2	4	9	1.3
Leprosy	0	0	0.1	1	1	0.1
Leptospirosis	8	17	2.9	8	24	3.6
Listeriosis	2	5	0.6	3	5	0.5
Malaria	6	9	1.2	9	12	1.5
Measles	3	12	2.0	0	3	0.5
Meningococcal disease ⁷	16	38	13.6	40	74	15.3
Mumps	5	9	1.4	5	11	1.8
Paratyphoid	3	3	0.4	3	6	0.6
Pertussis	127	238	18.9	48	114	26.7
Rheumatic fever	11	14	3.8	2	16	2.1
Rickettsial disease	0	0	0	0	0	0.2
Rubella	2	5	0.7	3	6	1.0
Salmonellosis	98	239	35.2	167	325	45.9
SARS	0	0	0	0	0	0
Shigellosis	8	22	2.5	6	16	2.8
Tetanus	0	0	0.1	0	0	0
Tuberculosis	29	49	10.8	30	64	10.3
Typhoid	5	8	0.6	6	7	0.7
VTEC / STEC infection	16	29	3.3	8	11	1.8
Yersiniosis	45	110	12.0	43	99	12.3

Notes: ¹ Other notifiable infectious diseases reported in February : Ross River Virus Infection

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including February 2004) or the previous year (12 months up to and including February 2003), expressed as cases per 100 000

⁴ Cases of gastroenteritis from a common source or foodborne intoxication eg, staphylococcal intoxication or toxic shellfish poisoning

⁵ Only acute cases of this disease are currently notifiable

⁶ Surveillance data based on laboratory-reported cases only

⁷ These totals and rates are based on the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

Monthly totals for February 2004 and preceding 12 months

Disease	Feb 2004	Jan 2004	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003	May 2003	Apr 2003	Mar 2003	Feb 2003
AIDS	4	3	5	2	0	5	1	5	3	2	1	2	5
Campylobacteriosis	1075	1496	1539	1471	1454	1389	1394	1070	750	710	768	1189	1266
Cryptosporidiosis	19	17	30	92	195	181	60	16	29	31	48	52	60
Dengue fever	1	1	0	1	0	0	1	3	3	15	10	7	7
Gastroenteritis ²	60	61	87	127	66	110	46	73	121	112	75	97	64
Giardiasis	156	145	138	122	129	129	139	110	153	117	123	148	130
Haemophilus influenzae type b	0	0	1	0	0	1	3	2	1	1	1	1	0
Hepatitis A	7	6	5	3	5	8	7	5	5	4	2	8	12
Hepatitis B (acute) ³	10	3	2	4	5	4	9	6	5	4	7	3	4
Hepatitis C (acute) ³	6	0	4	4	2	9	3	4	2	1	6	2	0
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza ⁴	4	3	2	1	28	29	264	645	72	6	0	5	0
Lead absorption	7	10	2	9	10	8	11	6	11	13	4	24	16
Legionellosis	11	4	16	6	7	5	3	8	8	8	6	2	4
Leprosy	0	0	0	0	2	0	0	0	0	1	0	0	1
Leptospirosis	8	9	8	15	7	16	10	5	8	6	7	9	8
Listeriosis	2	3	2	3	0	1	2	2	2	2	2	3	3
Malaria	6	3	3	6	2	7	2	5	3	3	2	1	9
Measles	3	9	12	4	8	5	4	7	5	9	2	7	0
Meningococcal disease ⁵	16	22	28	34	51	66	51	88	52	41	30	28	40
Mumps	5	4	8	5	3	5	1	10	2	2	6	3	5
Paratyphoid	3	0	4	1	1	2	1	1	0	1	0	1	3
Pertussis	127	111	70	57	58	38	61	44	61	25	21	35	48
Rheumatic Fever	11	3	3	2	16	14	35	18	2	7	18	13	2
Rickettsial disease	0	0	0	0	0	0	1	0	0	0	0	0	0
Rubella	2	3	3	2	2	2	6	2	2	0	1	1	3
Salmonellosis	98	141	126	87	114	106	106	72	79	105	132	149	167
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	8	14	7	6	10	2	2	15	7	10	9	3	6
Tetanus	0	0	0	0	0	0	0	0	1	0	1	0	0
Tuberculosis	29	20	42	41	43	43	27	33	30	30	38	27	30
Typhoid	5	3	0	2	1	0	3	2	1	2	0	2	6
VTEC/STEC infection	16	13	5	8	16	2	5	6	3	19	19	10	8
Yersiniosis	45	65	40	41	43	45	35	35	18	21	18	44	43

Notes: ¹ Later data are provisional

² Cases of gastroenteritis from a common source or foodborne intoxication eg, staphylococcal intoxication or toxic shellfish poisoning

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Surveillance data by District Health Board - February 2004

Cases this month

Current rate¹

Disease	Cases for February 2004, ² and current rate ^{1,2} by District Health Board ^{3,4}																					
	Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt	Capital and Coast	Wairarapa	Nelson-Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland	
AIDS ⁵	0	2			1	0	0	0	0	1	0	0	0	0			0	0	0	0	0	0
	0.7	2.0			0.3	0	0.6	0	0	0.7	0	0	1.1	0			0	1.1	4.4	0	0.6	0
Campylobacteriosis	21	139	127	99	120	24	57	8	33	35	21	28	38	96	12	14	9	84	24	47	39	39
	207.7	405.8	394.8	321.9	468.0	414.6	303.1	297.9	412.5	431.9	338.1	217.4	473.3	558.4	397.8	263.7	333.4	424.3	397.9	330.9	286.3	286.3
Cryptosporidiosis	0	0	2	1	4	2	1	0	0	1	0	1	0	1	0	0	1	2	0	1	2	2
	20.0	15.0	4.4	4.8	141.0	42.0	15.7	7.0	10.7	50.0	13.0	45.0	14.4	37.8	10.0	18.0	39.6	18.7	48.0	50.0	30.0	30.0
Dengue fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	1.0	1.9	4.4	0.8	1.0	2.1	1.0	0	0	0	0	0	2.0	4.0	0	0	0	2.0	0	1.0	1.0	1.0
Gastroenteritis	0	11	9	8	2	0	1	0	0	0	0	1	2	7	0	1	0	13	0	4	1	1
	25.0	24.7	31.0	20.5	23.0	32.3	2.2	2.3	8.0	2.1	6.0	41.0	26.5	38.2	18.3	35.0	2.0	51.5	34.0	21.1	80.3	80.3
Giardiasis	4	12	22	16	26	5	3	3	2	10	0	2	11	11	0	5	0	18	0	6	0	0
	17.8	40.7	64.2	37.3	68.6	63.5	41.5	31.8	10.0	60.6	20.4	29.7	52.0	55.3	8.0	42.5	13.0	39.8	15.2	29.3	20.0	20.0
H. influenzae type b disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3.0	0	0	2.0	0	0	2.0	0	0	1.0	0	0	0	0	0	0	0	0.7	0	0	0	0
Hepatitis A	0	0	0	3	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	0.7	10.0	3.5	3.2	3.0	2.0	1.0	2.0	0	2.8	1.0	0	0	3.3	0	1.0	0	4.0	0	3.0	0	0
Hepatitis B	0	0	1	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2.0	2.3	2.4	8.0	1.6	5.0	3.0	1.0	1.0	2.0	0	2.0	2.0	3.0	1.0	1.0	0	1.0	2.0	3.0	1.0	1.0
Hepatitis C	0	2	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
	1.0	4.0	5.0	2.0	0	1.0	6.0	1.0	0	2.0	2.0	3.2	1.0	3.0	1.0	0	2.0	6.0	0	0	1.0	1.0
Hydatids disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	1	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	1	1	1
	2.1	1.2	3.0	0.5	5.0	1.0	1.0	2.0	1.9	4.2	3.0	7.7	0	4.5	2.0	4.0	0	3.5	2.0	14.0	2.9	2.9
Legionellosis	0	2	1	2	1	0	0	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0
	1.0	17.0	10.0	14.0	0.9	0	4.0	0	1.0	1.0	1.0	1.0	3.8	10.0	2.0	1.0	2.0	4.0	2.0	4.0	1.0	1.0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1.0	1.0	0	0	0	0	0	1.0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	1	0	0	1	2	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0
	6.4	1.0	1.0	2.0	6.6	2.0	2.8	6.0	4.0	9.1	2.0	7.0	0	0	1.0	7.3	2.0	3.0	1.0	3.0	6.0	6.0
Listeriosis	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	1.4	2.0	2.0	3.0	1.0	0.6	0	0	0	0	3.0	0.8	1.0	0	0	0	1.0	0	0	1.0	1.0
Malaria	0	0	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
	1.0	5.0	3.0	5.0	4.0	0	0	0	0	2.0	3.0	0	3.0	4.0	0	1.0	0	7.0	0	4.0	1.0	1.0
Measles	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	0	5.0	5.0	3.0	0	0	1.0	0	0	2.8	1.0	17.0	4.0	1.2	1.0	10.0	4.0	1.6	2.0	0	7.7	7.7
Meningococcal disease ⁵	1	1	5	4	1	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0
	27.1	11.9	17.4	26.9	12.0	22.0	20.8	4.0	6.0	16.0	15.0	9.0	8.3	8.9	5.2	1.0	1.0	7.5	3.0	12.9	11.6	11.6
Mumps	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2	0	0	0	0
	7.0	2.0	0	1.0	1.0	0	1.1	1.0	1.0	4.0	2.0	2.0	2.0	8.0	2.6	4.0	0	9.0	0	6.0	1.0	1.0
Paratyphoid	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.0	5.0	2.0	2.0	1.0	0	0	0	0	0.7	0	0	0	1.0	0	0	0	2.0	0	0	0	0
Pertussis	25	10	9	5	20	5	14	3	1	2	0	5	1	2	0	3	0	18	0	4	0	0
	34.3	16.8	49.0	11.5	32.7	15.0	37.0	10.0	6.0	43.9	9.4	10.3	9.1	17.0	0	26.1	26.4	21.5	56.8	30.0	17.4	17.4
Rheumatic fever	1	1	1	4	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	8.0	11.0	29.0	53.0	7.0	4.0	7.0	3.0	0	8.0	1.0	1.0	6.0	3.0	0	0	0	0.2	0	0	0	0
Rickettsial disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	1.0	1.0	1.0	1.0	0	1.0	1.0	0	0	5.0	0	1.0	0	3.0	1.0	2.0	13.2	2.0	0	2.0	0	0
Salmonellosis	5	6	8	10	6	1	3	0	1	6	3	4	1	7	1	4	0	14	4	7	7	7
	29.3	30.2	34.5	37.3	45.0	22.9	28.6	40.9	22.3	51.6	36.2	21.9	31.1	32.5	44.5	35.1	3.0	34.4	70.1	41.6	48.4	48.4
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	0	0	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	0.7	15.0	7.3	5.6	1.3	1.0	1.0	0	0	1.0	0	0	0	6.0	2.6	1.0	0	10.0	0	3.0	1.0	1.0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1.0	0	0	0	0	0	0	0	0	1.0	0	0	0	0	0	0	0	0
Tuberculosis	2	3	5	8	2	1	0	0	0	2	0	0	2	1	0	0	0	2	0	0	1	1
	11.0	61.0	78.0	65.0	20.0	6.0	16.0	0	10.0	17.0	1.0	6.0	15.0	35.0	0	3.0	1.0	13.0	2.0	6.0	3.0	3.0
Typhoid	0	2	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	2.0	1.9	2.1	1.0	0	0	0	0	1.0	0	0	0	2.0	0	0	0	0	0	0	0	0
VTEC / STEC	0	3	2	0	5	0	2	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0
	8.0	1.9	5.0	2.4	8.5	3.0	6.7	0	10.0	0	0	2.6	0	2.0	0	4.0	1.0	12.0	15.2	7.0	1.0	1.0
Yersiniosis	0	7	6	4	3	0	4	0	0	2	0	1	5	7	0	0	1	5	0	0	0	0
	4.0	18.4	16.9	6.9	13.5	10.4	14.0	9.0	3.9	14.0	6.3	3.9	14.4	17.5	7.0	9.0	12.0	13.3	13.3	8.8	6.0	6.0

1 Current rate is based on the cumulative total for the 12 months up to and including February 2004 expressed as cases per 100 000

2 These data are provisional

3 AIDS data is reported for the greater Auckland and Wellington areas, rather than by District Health Board

4 Further data are available from the local medical officer of health

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.