
MONTHLY SURVEILLANCE REPORT

Data contained within this January monthly report is based on information recorded on EpiSurv by public health service staff up until 04 February 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*: 1491 cases were notified in January 2004 compared to 1787 cases during the same month the previous year. Incidence rates were highest in the 20-29 years age group, with a monthly rate of 57.5 per 100 000 (280 cases), followed by the 1-4 years age group, with a monthly rate of 55.5 per 100 000 (120 cases). Approximately 88% of January cases (for whom ethnicity was recorded) were European. Among the DHBs, the incidence rate in January was highest in Whanganui (59.8 per 100 000), Lakes (57.3) and South Canterbury (56.8).
- *Dengue*: One confirmed case of dengue fever was notified in January 2004, compared to 8 cases during January the previous year. The most recent case, aged between 30 and 39 years, had been hospitalised.
- *Giardiasis*: A total of 145 cases was notified in January 2004. This is the highest January total since 1997. Lakes DHB experienced the highest monthly rate of 10.4 per 100 000, followed by Hutt DHB with monthly rates of 9.9 per 100 000. Among January cases for whom this information was recorded, 5 (31%) reported contact with children in nappies or other faecal matter.
- *Lead Absorption*: 10 cases of lead absorption were notified during January 2004, compared to 5 during January 2003. Two cases were aged less than 5 years, and the remaining cases (9) were aged 20 to 60 years. Of the 10 lead absorption, 4 cases were laboratory confirmed (of whom 3 were from Canterbury DHB and one was from Waikato DHB). One case is still under investigation.
- *Leptospirosis*: 8 cases of leptospirosis were notified during January, of whom 6 cases were laboratory confirmed and one case is under investigation. In comparison, 16 cases were notified during January 2003. Among the 8 January notifications, 6 were farmers and 2 worked in the meat processing industry. All cases were male.

- **Measles:** During January there were 13 Measles notifications, compared to 3 cases during January the previous year. Of these 3 cases were laboratory confirmed. Of the confirmed measles cases, 2 were from Nelson-Marlborough and one was from MidCentral DHB. January cases ranged in aged from 5 months to 5 years.

Data for December 2003 highlight a particular difficulty with measles surveillance. According to the "Immunisation Handbook 2002" notification should be made on clinical suspicion with laboratory testing for the first cases seen in a community. The outbreak of measles (West Coast) reported in December 2003 was not confirmed on subsequent laboratory testing. It is most important that follow-up information is notified for accurate surveillance.

- **Meningococcal disease:** Based on the earliest date available, 22 cases of meningococcal disease were notified during January 2004, compared to 33 cases during January 2003. Of the current month Meningococcal notifications 14 (63.6%) were laboratory confirmed. EpiSurv recorded that 20 Meningococcal cases were hospitalised and the other 2 cases had no information on hospitalisation. The Rates of disease were highest in the Tairāwhiti DHB with a monthly rate of 4.5 per 100 000 (2 cases).
- **Pertussis:** During January 2004 there were 110 pertussis notifications, compared to 71 cases the previous month (December 2003), and 66 cases during January 2003. Northland DHB experienced the highest monthly incidence rate of 9.3 per 100 000, compared to a national rate of 2.9 cases per 100 000. Of the 35 cases for whom hospitalisation status was recorded on EpiSurv, 14 (40%) cases were hospitalised. Incidence rates were highest in the less than one year age group, with a monthly rate of 20.1 per 100 000.
- **Tuberculosis:** 20 cases of Tuberculosis were notified in January, of whom 10 were laboratory confirmed. Of the 16 cases for whom hospitalisation status was recorded on EpiSurv, 11 (68%) cases were hospitalised. Country of birth was recorded for 15 cases, of whom 10 (67%) were born overseas. Among the 8 overseas born cases for whom date of arrival in New Zealand was recorded, 2 arrived less than one year prior to notification, 3 arrived between one and five years prior to notification, and 3 cases arrived more than five years prior to notification.
- **VTEC:** 14 VTEC cases were confirmed by the ESR Enteric Reference Laboratory (ERL) during January 2004. 14 VTEC cases were notified this month. Matching of notified and laboratory-reported cases indicated that 11 cases were both notified and laboratory-reported. (57%) January notifications were aged 10 years or less. Hospitalisation status was recorded for 10 cases, of whom 7 were hospitalised. Among the 6 notified cases for whom this information was recorded, 4 reported contact with farm animals, raw milk or home-killed meat.

2. Deaths from notifiable diseases

Two deaths from tuberculosis disease were reported in January: a female aged between 70 to 80 years from Waikato DHB, and a male aged between 60 to 70 years from Hawke s Bay DHB.

3. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2004 ²			Previous year - 2003		
	Jan 2004 cases	Cumulative total since 1 January	Current rate ³	Jan 2003 cases	Cumulative total since 1 January	Previous rate ³
AIDS	3	3	0.9	4	4	0.5
Campylobacteriosis	1491	1491	387.7	1787	1787	340.8
Cryptosporidiosis	18	18	21.7	24	24	25.7
Dengue fever	1	1	1.3	8	8	2.0
Gastroenteritis ⁴	35	35	26.9	49	49	28.8
Giardiasis	145	145	42.3	131	131	41.4
<i>H. influenzae</i> type b disease	0	0	0.3	2	2	0.1
Hepatitis A	6	6	1.8	6	6	2.8
Hepatitis B (acute) ⁵	4	4	1.5	8	8	1.8
Hepatitis C (acute) ⁵	1	1	1.0	4	4	1.5
Hydatid disease	0	0	0	0	0	0.1
Influenza ⁶	3	3	28.2	0	0	18.6
Lead absorption	10	10	3.3	5	5	2.4
Legionellosis	4	4	2.1	5	5	1.4
Leprosy	0	0	0.1	0	0	0.1
Leptospirosis	8	8	2.9	16	16	3.9
Listeriosis	3	3	0.7	2	2	0.5
Malaria	3	3	1.2	3	3	1.4
Measles	13	13	2.0	3	3	0.6
Meningococcal disease ⁷	24	24	14.3	34	34	14.9
Mumps	5	5	1.5	6	6	1.8
Paratyphoid	0	0	0.4	3	3	0.5
Pertussis	110	110	16.9	66	66	28.0
Rheumatic fever	3	3	3.5	14	14	2.4
Rickettsial disease	0	0	0	0	0	0.2
Rubella	5	5	0.8	3	3	0.9
Salmonellosis	144	144	37.1	158	158	48.3
SARS	0	0	0	0	0	0
Shigellosis	14	14	2.4	10	10	3.0
Tetanus	0	0	0.1	0	0	0
Tuberculosis	20	20	10.8	34	34	10.2
Typhoid	3	3	0.6	1	1	0.6
VTEC / STEC infection	14	14	3.1	3	3	1.7
Yersiniosis	64	64	12.0	56	56	12.3

Notes: ¹ Other notifiable infectious diseases reported in January : 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 January 2004) or the previous year (12 months up to and including January 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 January 2004 and preceding 12 months

Disease	Jan 2004	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003	May 2003	Apr 2003	Mar 2003	Feb 2003	Jan 2003
AIDS	3	5	2	0	5	1	5	3	2	1	2	4	4
Campylobacteriosis	1491	1539	1471	1454	1389	1394	1070	750	710	768	1189	1266	1787
Cryptosporidiosis	18	30	92	195	181	60	16	29	31	48	52	60	24
Dengue fever	1	0	1	0	0	1	3	3	15	10	7	7	8
Gastroenteritis ²	35	83	124	65	110	46	73	121	112	75	97	64	49
Giardiasis	145	137	122	129	129	139	110	153	117	123	148	130	131
Haemophilus influenzae type b	0	1	0	0	1	3	2	1	1	1	1	0	2
Hepatitis A	6	5	3	5	7	7	5	5	4	2	8	12	6
Hepatitis B (acute) ³	4	2	4	5	4	9	6	5	4	7	3	4	8
Hepatitis C (acute) ³	1	4	4	2	9	3	4	2	1	6	2	0	4
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza ⁴	3	2	1	28	29	264	645	72	6	0	5	0	0
Lead absorption	10	2	9	10	8	11	6	11	13	4	24	16	5
Legionellosis	4	16	6	7	5	3	8	8	8	6	2	4	5
Leprosy	0	0	0	2	0	0	0	0	1	0	0	1	0
Leptospirosis	8	8	15	7	16	10	5	8	6	7	9	8	16
Listeriosis	3	2	3	0	1	2	2	2	2	2	3	3	2
Malaria	3	3	6	2	7	2	5	3	3	2	1	9	3
Measles	13	13	4	8	5	4	5	5	9	2	7	0	3
Meningococcal disease ⁵	24	28	34	51	66	51	88	52	41	30	28	40	34
Mumps	5	8	5	3	5	1	10	2	2	6	4	5	6
Paratyphoid	0	4	1	1	2	1	1	0	1	0	1	3	3
Pertussis	110	70	58	59	38	61	46	62	25	21	35	48	66
Rheumatic Fever	3	2	2	16	14	35	18	2	7	18	13	2	14
Rickettsial disease	0	0	0	0	0	1	0	0	0	0	0	0	0
Rubella	5	2	2	2	3	6	2	2	0	1	1	3	3
Salmonellosis	144	125	88	114	106	106	72	79	105	132	149	167	158
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	14	7	6	10	2	2	15	7	10	9	3	6	10
Tetanus	0	0	0	0	0	0	0	1	0	1	0	0	0
Tuberculosis	20	43	41	42	43	27	33	30	30	38	27	30	34
Typhoid	3	0	2	1	0	3	2	1	2	0	2	6	1
VTEC/STEC infection	14	5	9	16	2	5	6	3	19	19	10	8	3
Yersiniosis	64	40	41	43	45	35	35	18	21	18	44	43	56

Notes: ¹ Later data are provisional

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

³ Only acute cases of this disease are currently notifiable

⁴ Surveillance data based on laboratory-reported cases only

⁵ These totals are based on the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

Surveillance data by District Health Board - January 2004

Cases this month

Current rate¹

Disease	Cases for January 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	3			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	2.0			0	0	0.6	0	0	0.7	0	0	1.1	0	0	1.1	4.4	0	0.6	0	0
Campylobacteriosis	31	165	143	120	127	55	61	11	54	72	38	34	65	130	12	38	10	191	30	58	46
	205.5	405.6	392.7	324.1	462.9	435.4	295.2	311.5	407.7	435.4	331.8	216.2	485.4	566.9	392.6	267.8	340.0	456.8	401.7	337.4	292.2
Cryptosporidiosis	0	1	0	1	0	1	0	1	0	0	0	2	2	3	0	1	0	2	2	2	0
	20.0	3.7	4.1	4.8	43.4	40.0	15.2	7.0	10.7	50.0	13.0	44.0	15.9	50.0	28.8	19.6	36.3	19.7	94.7	35.7	28.0
Dengue fever	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	1.4	2.1	4.9	1.1	1.0	2.1	1.0	0	0	0	0	0	2.0	2.0	0	0	0	2.0	0	0	1.9
Gastroenteritis	1	2	2	0	3	2	0	0	0	0	0	0	5	6	0	0	1	10	0	2	1
	25.0	22.6	31.8	18.1	22.3	33.3	1.7	2.3	8.7	2.1	11.0	40.0	25.8	38.2	28.8	33.0	2.0	50.6	16.0	18.2	91.9
Giardiasis	4	11	18	13	22	10	7	2	1	3	2	1	13	4	1	7	2	13	0	6	5
	17.1	42.1	64.4	35.9	63.6	62.5	42.1	27.3	9.7	59.2	25.2	28.4	34.9	56.5	23.6	43.3	49.5	37.7	15.2	28.7	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
	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
Hepatitis A	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0
	0.7	3.0	4.4	3.2	0.9	2.0	0	2.0	0	2.8	1.0	0	0	2.8	0	1.0	0	4.0	0	3.0	0
Hepatitis B	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	2.0	2.3	2.4	4.0	1.6	5.0	3.0	0	1.9	2.1	0	2.0	2.0	3.0	1.0	1.0	0	0.5	1.0	2.0	0
Hepatitis C	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.0	2.0	5.0	3.0	0	1.0	5.0	1.0	0	2.0	2.0	2.6	0	3.0	1.0	0	2.0	6.0	0	0	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
Lead absorption	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	3	0	3	0
	1.4	1.2	4.1	1.1	5.0	1.0	1.0	2.0	4.9	5.6	2.0	6.5	0	4.5	7.9	4.0	0	4.0	2.0	8.2	1.9
Legionellosis	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	1.0	15.0	2.7	12.0	0.6	0	2.8	0	1.0	1.0	1.0	1.0	3.8	3.7	2.0	0	1.0	1.2	2.0	3.0	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	1.0	0.5	0	0	0	0	0	1.0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	3	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0	1
	5.0	1.0	1.0	0.5	6.6	1.0	2.8	6.0	4.9	9.1	2.0	5.2	0	0	1.0	8.2	2.0	2.8	1.0	3.0	6.0
Listeriosis	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.0	1.4	0.8	2.0	0.9	0	1.1	0	0	0	0	3.0	0.8	1.0	0	0	0	1.0	0	0	1.0
Malaria	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0
	1.0	1.6	2.0	1.6	1.3	0	0	0	0	2.0	6.3	0	3.0	1.6	0	1.0	0	1.9	0	3.0	1.0
Measles	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	1	1	0	1	4
	1.0	5.0	1.0	3.0	0	0	1.0	0	0	2.8	1.0	17.0	4.0	1.2	1.0	12.0	4.0	1.9	2.0	1.0	6.8
Meningococcal disease ⁵	1	3	3	4	1	0	1	2	2	2	0	0	2	0	0	0	0	2	0	0	1
	27.1	12.8	18.2	28.0	12.3	26.0	22.5	13.6	6.8	12.5	26.7	9.0	9.9	8.5	5.2	1.0	1.0	7.5	3.0	12.9	11.6
Mumps	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0
	5.7	2.0	0	1.0	0.6	0	1.1	1.0	1.0	4.0	2.0	1.0	2.0	7.0	2.6	3.3	3.3	1.9	0	8.0	1.0
Paratyphoid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.0	1.2	2.0	0.5	1.0	0	0	0	0	0.7	0	0	0	1.0	0	0	0	2.0	0	0	0
Pertussis	14	14	4	14	14	4	11	0	4	5	0	5	0	2	0	5	0	6	1	3	4
	17.1	15.4	11.4	10.9	26.4	10.0	16.3	7.0	5.8	46.0	17.3	9.7	11.4	7.7	0	27.8	33.0	18.0	56.8	27.0	19.3
Rheumatic fever	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
	5.7	10.0	27.0	49.0	5.0	4.0	7.0	2.0	0	7.0	1.0	1.3	6.0	3.0	0	0	0	0.2	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	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0
	1.0	1.0	0.3	1.0	0	1.0	1.0	2.3	0	6.0	0	1.0	0	3.0	5.2	4.0	13.2	1.0	0	1.0	0
Salmonellosis	9	11	15	11	13	6	6	1	3	10	5	1	5	5	1	6	0	16	7	8	5
	29.3	31.9	35.4	38.3	48.8	25.0	32.6	45.5	23.3	50.2	40.9	22.6	31.9	33.3	44.5	35.9	13.2	42.1	64.4	40.4	47.4
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	0.7	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	0	2	2	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	3.7	6.8	5.3	1.6	0	1.0	0	0	1.0	0	0	0.8	6.0	5.2	1.0	0	8.0	0	3.0	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	1.0	0	0	0	0	0	0	0	0	1.0	0	0	0	0	0	0	0
Tuberculosis	0	3	3	5	3	1	2	0	0	2	0	0	0	0	0	0	0	1	0	0	0
	9.0	58.0	73.0	59.0	18.0	5.0	16.0	0	10.0	15.0	1.0	5.0	13.0	34.0	0	3.0	1.0	11.0	2.0	6.0	2.0
Typhoid	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1.9	2.4	1.0	0	0	0	0	1.0	0	0	0.8	1.2	0	0	0	0	0	0	0
VTEC / STEC	0	1	1	1	4	0	4	0	1	0	0	0	0	0	0	0	0	1	0	1	0
	6.4	1.2	3.0	2.9	6.9	3.0	6.2	0	10.0	0	0	2.6	0	1.0	0	4.0	1.0	2.6	17.1	4.7	2.9
Yersiniosis	2	9	9	4	4	3	3	1	0	2	0	0	2	9	2	1	0	7	3	2	1
	4.0	17.9	16.3	6.4	14.2	10.4	6.7	9.0	4.9	10.4	6.3	3.2	13.7	15.5	28.8	9.0	42.9	13.3	17.1	9.4	6.0

1 Current rate is based on the cumulative total for the 12 months up to and including January 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.