
MONTHLY SURVEILLANCE REPORT

Data contained within this December monthly report is based on information recorded on EpiSurv by public health service staff up until 12 January 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*: 1534 cases were notified in December 2003 – the highest ever recorded total for the month of December. This brings the 2003 total to 14,782 cases. In comparison, 12,494 cases were notified during 2002. Incidence rates were highest in the ‘1 to 4 years’ age group, with a monthly rate of 69.9 per 100,000. Waikato experienced the highest monthly incidence rate of 62.0 per 100,000, compared to a rate of 41.0 per 100,000.
- *Cryptosporidiosis*: A total of 30 cases was notified in December 2003, of whom 29 were laboratory confirmed. Monthly rates were nearly 6 times higher in the ‘1 to 4 years’ age group than in the general population. Incidence rates were highest in South Canterbury DHB with a monthly rate of 5.7 per 100,000, compared to a national rate of 0.8 per 100,000.
- *Giardiasis*: A total of 138 cases was notified in December 2003, compared to 114 cases during the same month the previous year. Hawke’s Bay DHB experienced the highest monthly rate of 7.7 per 100,000, followed by West Coast and Counties Manukau DHBs with monthly rates of 6.6 and 6.4 per 100,000, respectively. Among December cases for whom this information was recorded, 11 (48%) reported contact with children in nappies or other faecal matter, 9 (37%) reported contact with other symptomatic people and 9 (30%) had been overseas during the incubation period.
- *Haemophilus influenzae* type b disease (Hib): There was one laboratory confirmed case of *Haemophilus influenzae* type b disease (Hib) notified in December. The case was a six-month old male, of Maori ethnicity who had received one dose of vaccine. This brings the 2003 total to 13 cases. In comparison, 3 cases were notified during 2002.
- *Measles*: There were 34 cases notified during December. None has yet been laboratory confirmed. This is the highest month total since January 1998 when 35

cases were notified. Of the 34 December measles cases, 24 (70%) were from the West Coast DHB. Seventeen West Coast cases were part of a recognised outbreak among children aged between 1 and 10 years. Of the 25 December cases for whom immunisation status was recorded, 15 cases (60%) had received at least one dose of vaccine.

- *Meningococcal disease:* Based on the earliest date available, 24 cases of meningococcal disease were notified during December 2003, of whom 19 (79.2%) were laboratory confirmed. This brings the 2003 total to 543 cases, compared to 557 cases in 2002. 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).

All figures mentioned above are provisional only. Refer to the 2003 Annual Meningococcal Disease Report for final figures.

- *Mumps:* 8 cases of mumps were notified in December 2003, of whom 5 were European, 2 were Pacific Peoples and one was of Maori ethnicity. Among the December cases for whom this information was recorded, 4 (80%) were immunised.
- *Pertussis:* During December 2003 there were 71 pertussis notifications, compared to 58 cases the previous month, and 76 cases during December the previous year. Southland DHB experienced the highest monthly incidence rate of 4.8 per 100,000, compared to a national rate of 1.9 cases per 100,000. Of the 56 cases for whom hospitalisation status was recorded on EpiSurv, 11 (19.6%) cases were hospitalised.
- *Salmonellosis:* 127 cases were notified during December 2003, compared to 123 cases during the same month previous year. South Canterbury, Counties Manakau and Tairāwhiti DHBs experienced the highest monthly incidence rates of 9.5 (5 cases), 9.3 (35 cases) and 9.1 (4 cases) per 100 000 respectively. Among the 167 human cases confirmed by the ESR Enteric Reference Laboratory (ERL) in December, the most frequently identified serotype was S. Typhimurium (111, cases, including 42 cases of S. Typhimurium phage type 160). One outbreak of Typhimurium phage type 8 variant (involving 43 cases) was reported, following a hangi at Pukekohe.
- *Tuberculosis:* 43 cases of Tuberculosis were notified in December, of whom 33 were laboratory confirmed. Among the 42 cases with recorded ethnicity, 27 cases were of 'Other ethnicity', 6 were European, 6 were Pacific Peoples and 3 were Maori. Country of birth was recorded for 35 cases, of whom 30 (86%) were born overseas. Among the 28 overseas born cases for whom date of arrival in New Zealand was recorded, 5 arrived less than one year prior to notification, 15 arrived between one and five years prior to notification, and 8 cases arrived more than five years prior to notification.

2. Deaths from notifiable diseases

One death from meningococcal disease of a 2-year-old male from Waitemata DHB was recently reported.

3. Data tables

Disease incidence and rates

Disease ¹	Current year - 2003 ²			Previous year - 2002		
	Dec 2003 cases	Cumulative total since 1 January	Current rate ³	Dec 2002 cases	Cumulative total since 1 January	Previous rate ³
AIDS	5	34	0.9	0	17	0.5
Campylobacteriosis	1534	14782	395.5	1273	12494	334.3
Cryptosporidiosis	30	820	21.9	45	975	26.1
Dengue fever	0	55	1.5	1	70	1.9
Gastroenteritis ⁴	78	1015	27.2	143	1088	29.1
Giardiasis	138	1569	42.0	114	1547	41.4
<i>H. influenzae</i> type b disease	1	13	0.3	0	3	0.1
Hepatitis A	5	69	1.8	3	106	2.8
Hepatitis B (acute) ⁵	2	61	1.6	10	68	1.8
Hepatitis C (acute) ⁵	5	42	1.1	5	53	1.4
Hydatid disease	0	0	0	1	2	0.1
Influenza ⁶	2	1052	28.1	0	698	18.7
Lead absorption	2	119	3.2	3	91	2.4
Legionellosis	14	76	2.0	4	49	1.3
Leprosy	0	4	0.1	0	4	0.1
Leptospirosis	8	115	3.1	8	141	3.8
Listeriosis	2	24	0.6	1	19	0.5
Malaria	3	46	1.2	2	61	1.6
Measles	34	86	2.3	0	21	0.6
Meningococcal disease ⁷	28	546	14.6	33	555	14.8
Mumps	8	57	1.5	3	64	1.7
Paratyphoid	3	17	0.5	1	16	0.4
Pertussis	71	590	15.8	76	1068	28.6
Rheumatic fever	2	143	3.8	4	93	2.5
Rickettsial disease	0	1	0	0	6	0.2
Rubella	3	28	0.7	2	33	0.9
Salmonellosis	127	1404	37.6	123	1880	50.3
SARS	0	1	0	0	0	0
Shigellosis	7	87	2.3	9	112	3.0
Tetanus	0	2	0.1	0	1	0
Tuberculosis	43	419	11.2	36	383	10.2
Typhoid	0	20	0.5	1	23	0.6
VTEC / STEC infection	5	105	2.8	5	73	2.0
Yersiniosis	40	439	11.7	31	476	12.7

Notes: ¹ Other notifiable infectious diseases reported in December : Nil

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including December 2003) or the previous year (12 months up to and including December 2002), 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 December 2003 and preceding 12 months ¹

Disease	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003	May 2003	Apr 2003	Mar 2003	Feb 2003	Jan 2003	Dec 2002
AIDS	5	2	0	5	1	5	3	2	1	2	4	4	0
Campylobacteriosis	1534	1472	1454	1389	1394	1070	750	709	768	1189	1266	1787	1273
Cryptosporidiosis	30	92	196	182	60	16	29	31	48	52	60	24	45
Dengue fever	0	1	0	0	1	3	3	15	10	7	7	8	1
Gastroenteritis ²	78	124	66	110	46	73	121	112	75	97	64	49	143
Giardiasis	138	122	129	129	139	110	153	117	123	148	130	131	114
Haemophilus influenzae type b	1	0	0	1	3	2	1	1	1	1	0	2	0
Hepatitis A	5	3	5	7	7	5	5	4	2	8	12	6	3
Hepatitis B (acute) ³	2	4	5	4	9	6	5	4	7	3	4	8	10
Hepatitis C (acute) ³	5	4	2	9	3	4	2	1	6	2	0	4	5
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	1
Influenza ⁴	2	1	28	29	264	645	72	6	0	5	0	0	0
Lead absorption	2	9	10	8	11	6	11	13	4	24	16	5	3
Legionellosis	14	6	7	5	3	8	8	8	6	2	4	5	4
Leprosy	0	0	2	0	0	0	0	1	0	0	1	0	0
Leptospirosis	8	15	7	16	10	5	8	6	7	9	8	16	8
Listeriosis	2	3	0	1	2	2	2	2	2	3	3	2	1
Malaria	3	6	2	7	2	5	3	3	2	1	9	3	2
Measles	34	4	8	5	4	5	5	9	2	7	0	3	0
Meningococcal disease ⁵	28	36	51	66	50	90	52	41	30	28	40	34	33
Mumps	8	5	3	5	1	10	2	2	6	4	5	6	3
Paratyphoid	3	1	1	2	1	1	0	1	0	1	3	3	1
Pertussis	71	58	59	38	61	46	62	25	21	35	48	66	76
Rheumatic Fever	2	2	16	14	35	18	2	7	18	13	2	14	4
Rickettsial disease	0	0	0	0	1	0	0	0	0	0	0	0	0
Rubella	3	2	2	3	6	2	2	0	1	1	3	3	2
Salmonellosis	127	89	114	106	106	72	79	105	132	149	167	158	123
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	7	6	10	2	2	15	7	10	9	3	6	10	9
Tetanus	0	0	0	0	0	0	1	0	1	0	0	0	0
Tuberculosis	43	40	42	43	27	34	30	30	38	27	30	35	36
Typhoid	0	2	1	0	3	2	1	2	0	2	6	1	1
VTEC/STEC infection	5	9	16	2	5	6	3	19	19	10	8	3	5
Yersiniosis	40	41	43	45	35	35	18	21	18	44	43	56	31

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

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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 - December 2003

Cases this month

Current rate¹

Disease	Cases for December 2003, 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 ³	0	3			0	0	1	0	0	0	0	0	1	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	0.8	1.1	4.4	0	0.6	0
Campylobacteriosis	33	174	131	126	197	43	55	20	54	73	21	48	61	114	12	29	12	198	27	80	26
	207.7	411.2	395.9	327.8	478.7	444.8	318.2	336.6	401.9	442.4	316.1	227.1	502.8	621.0	405.7	262.9	326.8	448.6	413.0	330.9	297.0
Cryptosporidiosis	1	3	0	2	6	4	3	0	1	1	0	1	0	0	0	0	0	3	3	1	1
	20.0	3.7	4.1	4.5	44.1	39.0	15.7	7.0	10.7	51.0	22.0	27.7	14.4	49.2	28.8	21.2	36.3	20.8	92.8	36.9	29.0
Dengue fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	2.1	6.3	1.3	1.0	2.1	1.1	0	0	0	0	0	2.0	2.0	0	0	0	2.0	0	0	1.9
Gastroenteritis	2	7	5	10	4	0	0	0	1	0	0	0	2	9	1	2	0	24	0	10	1
	16.4	22.6	34.5	19.2	22.3	33.3	1.7	4.5	8.7	2.1	14.2	40.0	21.2	37.4	34.0	33.0	1.0	51.3	16.0	16.4	93.8
Giardiasis	2	14	16	25	18	5	3	0	0	11	0	2	5	12	0	3	2	7	3	8	2
	15.0	42.6	65.0	35.9	60.7	57.3	44.3	25.0	8.7	59.2	25.2	31.6	27.3	63.4	20.9	41.6	42.9	36.8	17.1	26.4	17.4
H. influenzae type b disease	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3.0	0	0	2.0	0	0	1.7	0	0	1.0	0	0.6	0	0	0	0	0	0.7	0	0	0
Hepatitis A	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	3.0	4.4	2.9	0.9	2.0	0.6	1.0	0	2.1	1.0	0	0.8	3.3	0	0	0	0.9	1.9	3.0	0
Hepatitis B	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	2.0	2.1	3.0	1.3	1.6	4.0	2.0	4.5	1.9	2.8	0	2.0	2.3	3.0	1.0	1.6	0	0.2	1.0	2.0	0
Hepatitis C	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	2	0	0	0
	1.4	2.0	5.0	2.0	0.3	1.0	5.0	1.0	0	2.1	2.0	2.6	0	3.0	1.0	0	9.9	7.0	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	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	1.4	1.2	4.1	1.1	4.4	1.0	1.0	2.0	4.9	5.6	2.0	7.7	0	5.3	7.9	3.0	0	3.3	2.0	6.4	1.9
Legionellosis	0	3	2	2	0	0	0	0	0	0	0	0	2	1	1	0	0	1	0	2	0
	0	3.7	3.3	11.0	0.6	0	2.8	0	1.9	1.0	1.0	1.0	3.0	3.3	2.0	0	1.0	1.2	0	3.0	1.9
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	1	0	0	0	1	0	0	1	0	1	0	1	0	0	0	1	0	1	0	0	1
	5.0	0.5	1.0	0.8	6.3	1.0	2.8	4.0	4.9	9.8	4.7	5.8	0	0	0	10.6	2.0	3.5	1.0	2.3	5.8
Listeriosis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	2.0	0.9	1.1	2.0	0.6	0	1.1	0	0	0	0	2.6	0.8	1.0	0	0	0	1.0	0	0	1.0
Malaria	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	1.0	1.6	0.8	1.6	1.3	1.0	0	0	0	2.0	4.7	0	3.0	0.8	0	1.0	0	2.1	0	3.0	1.0
Measles	0	0	0	1	0	0	0	0	0	1	0	4	0	0	1	3	24	0	0	0	0
	0	5.0	1.0	3.0	0.3	0	1.0	0	0	2.1	1.0	16.0	4.6	1.2	1.0	9.0	24.0	1.6	2.0	0	3.0
Meningococcal disease ⁵	1	0	2	10	2	3	3	0	0	0	0	0	1	1	0	0	0	3	0	1	1
	26.4	12.8	18.2	28.8	13.2	29.2	25.8	9.1	6.8	12.5	28.3	9.0	9.9	8.5	5.2	1.0	1.0	8.0	3.0	13.5	8.7
Mumps	1	2	0	1	0	0	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0
	5.7	0.7	0.3	1.0	0.9	0	1.1	1.0	1.0	3.5	2.0	1.0	2.0	5.0	2.6	3.3	3.3	1.9	0	4.1	1.0
Paratyphoid	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	1.0	1.2	0.8	0.5	1.0	0	0	0	0	0.7	0	0	0	1.0	0	0	0	2.0	0	0.6	0
Pertussis	3	7	6	3	12	4	5	2	0	4	1	0	0	1	0	2	1	7	1	7	5
	7.1	13.3	10.6	7.5	22.7	6.0	12.3	7.0	4.9	43.9	29.9	9.0	11.4	8.1	0	42.5	36.3	18.5	56.8	24.0	16.4
Rheumatic fever	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	5.7	2.6	8.2	14.6	2.2	4.0	7.0	4.5	0	4.9	1.0	1.3	6.0	2.0	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	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
	1.0	1.0	0.3	1.0	0	0	1.1	2.3	0	6.0	0	1.0	0	2.0	2.6	2.0	13.2	1.0	0	1.0	0
Salmonellosis	1	6	15	35	12	2	6	4	1	11	1	0	5	6	1	3	0	8	5	3	2
	27.1	31.6	38.3	39.4	51.9	25.0	32.6	47.8	24.3	49.5	36.2	23.2	31.1	36.6	41.9	32.7	13.2	42.6	62.5	38.1	45.5
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	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0.7	3.5	7.3	3.7	0.6	0	1.0	0	0	1.0	0	0	0.8	2.8	5.2	1.0	0	2.3	0	2.3	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	1	7	10	6	3	0	1	0	0	1	0	2	1	4	0	0	0	5	1	0	1
	9.0	55.0	71.0	53.0	15.0	4.0	14.0	0	10.0	14.0	1.0	5.0	13.0	34.0	0	3.0	1.0	9.0	4.0	6.0	2.0
Typhoid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1.9	2.1	0	0	0	0	0	1.0	0	0	0.8	1.2	0	0	0	0	0	0	0
VTEC / STEC	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0
	7.1	0.9	2.0	2.7	6.0	3.0	3.9	0	9.0	0	0	2.6	0	1.0	0	4.1	1.0	2.6	17.1	4.1	2.9
Yersiniosis	0	7	6	3	2	1	0	0	0	2	1	1	2	2	0	2	1	6	1	2	1
	2.1	18.1	15.2	5.6	13.2	10.4	7.3	34.1	3.9	9.8	7.9	4.5	12.9	14.2	23.6	8.0	42.9	14.0	15.2	9.4	5.0

1 Current rate is based on the cumulative total for the 12 months up to and including December 2003 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.