

## MONTHLY SURVEILLANCE REPORT

Data contained within this November monthly report is based on information recorded on EpiSurv by public health service staff up until 08 December 2003. 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*: 1473 cases of campylobacteriosis were notified in November 2003, of whom 1418 (96%) were confirmed. This is the highest ever recorded total for the month of November. The highest incidence rate was observed in the 'less than one year' age group, with a monthly rate of 71.4 per 100 000. There were 64 hospitalisations (10% of cases whom this information was recorded). Capital and Coast DHB experienced the highest monthly incidence rate of 59.0 per 100 000, compared to a national rate of 39.4 per 100 000.
- *Dengue*: One confirmed case of dengue fever was notified in November 2003, compared to 9 cases during November the previous year. The most recent case, aged between 40 and 49 years, had been in Tonga during the incubation period. This brings the year to year-to-date total to 55 cases.
- *Leptospirosis*: 17 cases of leptospirosis were notified in November 2003, of whom 12 were laboratory confirmed. This brings the year-to-date total to 109 cases. In comparison, 142 cases were notified during 2002. Among the 17 November notifications for whom occupation was recorded, 10 were farmers and 3 worked in the meat processing industry. All cases were male.
- *Measles*: There were 4 cases notified during November. None has yet been laboratory confirmed. All 4 cases were aged between 10 months and 9 years. Of the three cases for whom immunisation status was recorded, one case (aged 3 years) was immunised.
- *Meningococcal disease*: Based on the earliest date available 34 cases of meningococcal disease were notified during November 2003, of whom 27 (79.4%) were laboratory confirmed. This brings the year-to-date total to 520 cases. In comparison, a total of 31 cases were notified during the same month last year. Rates of disease were highest in the 'less than one year' age group with a

monthly rate of 18.3 per 100 000 (10 cases), followed by the '1 to 4 years' age group with a monthly rate of 3.7 per 100 000 (8 cases). Among the 31 cases for whom ethnicity was recorded, 14 (45.2%) were Maori, 10 (32.2%) were European, 6 (19.4%) were Pacific Peoples and one (3.2%) case was of 'Other' ethnicity. Counties Manakau DHB recorded the highest monthly rate of 2.7 per 100 000 (10 cases), compared to a national rate of 0.9 per 100 000.

- *Pertussis*: 58 cases were notified during November 2003, compared to 56 cases the previous month, and 108 cases during November the previous year. Otago and Waikato DHBs experienced the highest monthly incidence rates of 4.1 per 100 000 (with 7 and 13 cases, respectively), compared to a national rate of 1.6 cases per 100 000. Of the 50 cases for whom hospitalisation status was recorded on EpiSurv, 8 (16%) cases were hospitalised. Vaccination status was recorded for a total of 39 notified cases, of whom 24 (61.5%) cases had received at least one dose of vaccine.
- *Salmonellosis*: 87 cases were notified during November 2003, compared to 135 cases during the same month the previous year. Incidence rates were highest in South Canterbury DHB, with a monthly rate of 11.4 per 100 000. Among the 96 human cases confirmed by the ESR Enteric Reference Laboratory (ERL) in November, the most frequently identified serotype was *S. Typhimurium* (69 cases, including 40 cases of *S. Typhimurium* phage type 160). Information on animal contact was recorded for 24 notified cases, of whom 11 (45.8%) reported contact with farm animals. Of the 30 cases with travel information recorded, 5 (16.7%) reported travelling overseas during the incubation period.
- *Tuberculosis*: 40 cases of tuberculosis were notified during November 2003. In comparison, an average of 34 notifications were received each month over the past 12-month period. Of the 33 cases for whom hospitalisation status was recorded, 19 cases (57.6%) were hospitalised. Ethnicity was recorded for 35 cases. Of these, 19 (54.3%) were of 'Other' ethnicity, 7 were Maori, 7 were Pacific Peoples and 2 were European. Country of birth was recorded for 29 cases, of whom 16 (55%) were born overseas. Among overseas-born cases for whom the date of arrival in New Zealand was recorded, 2 cases arrived less than one year prior to notification, 6 cases arrived between one and five years prior to notification and 3 cases arrived more than five years prior to notification. November tuberculosis notifications included one prisoner, one prison visitor and one hospital interpreter.
- *VTEC*: 8 laboratory-confirmed cases of VTEC were reported during November 2003. In comparison, 3 cases were notified during the same month last year. The year-to-date total of 99 notifications already exceeds the 2002 total of 73 notifications. Five November notifications were children aged less than 9 years.

## 2. Deaths from notifiable diseases

One death from meningococcal disease was reported in November. The case was a female aged over 70 years from Canterbury DHB.

### 3. Data tables

#### Disease incidence and rates

Disease <sup>1</sup>	Current year - 2003 <sup>2</sup>			Previous year - 2002		
	Nov 2003 cases	Cumulative total since 1 January	Current rate <sup>3</sup>	Nov 2002 cases	Cumulative total since 1 January	Previous rate <sup>3</sup>
AIDS	2	29	0.8	2	17	0.6
Campylobacteriosis	1473	13247	388.5	1042	11221	340.1
Cryptosporidiosis	93	791	22.4	95	930	26.1
Dengue fever	1	55	1.5	9	69	1.9
Gastroenteritis <sup>4</sup>	122	934	28.8	68	945	27.2
Giardiasis	122	1431	41.3	110	1433	41.5
<i>H. influenzae</i> type b disease	0	12	0.3	0	3	0.1
Hepatitis A	3	64	1.8	8	103	2.9
Hepatitis B (acute) <sup>5</sup>	4	60	1.9	3	58	1.6
Hepatitis C (acute) <sup>5</sup>	4	37	1.1	3	48	1.4
Hydatid disease	0	0	0	0	1	0
Influenza <sup>6</sup>	1	1050	28.1	1	698	18.7
Lead absorption	10	118	3.2	9	88	2.5
Legionellosis	6	62	1.8	5	45	1.3
Leprosy	0	4	0.1	1	4	0.1
Leptospirosis	17	109	3.1	14	133	3.8
Listeriosis	3	22	0.6	2	18	0.5
Malaria	6	43	1.2	3	59	1.7
Measles	4	52	1.4	2	21	0.7
Meningococcal disease <sup>7</sup>	35	523	14.9	28	522	15.5
Mumps	5	49	1.4	6	61	1.7
Paratyphoid	1	13	0.4	1	15	0.4
Pertussis	58	519	15.9	108	992	28.3
Rheumatic fever	2	128	3.5	12	89	2.5
Rickettsial disease	0	1	0	0	6	0.2
Rubella	2	25	0.7	1	31	0.9
Salmonellosis	87	1276	37.4	135	1757	52.8
SARS	0	1	0	0	0	0
Shigellosis	6	80	2.4	4	103	2.9
Tetanus	0	2	0.1	0	1	0.1
Tuberculosis	40	376	11.0	36	347	10.4
Typhoid	2	20	0.6	0	22	0.7
VTEC / STEC infection	8	99	2.8	3	68	1.8
Yersiniosis	41	399	11.5	49	445	12.9

**Notes:** <sup>1</sup> Other notifiable infectious diseases reported in November : Nil

<sup>2</sup> These data are provisional

<sup>3</sup> Rate is based on the cumulative total for the current year (12 months up to and including November 2003) or the previous year (12 months up to and including November 2002), expressed as cases per 100 000

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

<sup>5</sup> Only acute cases of this disease are currently notifiable

<sup>6</sup> Surveillance data based on laboratory-reported cases only

<sup>7</sup> 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 November 2003 and preceding 12 months <sup>1</sup>

Disease	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003	May 2003	Apr 2003	Mar 2003	Feb 2003	Jan 2003	Dec 2002	Nov 2002
AIDS	2	0	5	1	5	3	2	1	2	4	4	0	2
Campylobacteriosis	1473	1453	1388	1394	1070	750	709	768	1189	1266	1787	1273	1042
Cryptosporidiosis	93	196	182	60	16	29	31	48	52	60	24	45	95
Dengue fever	1	0	0	1	3	3	15	10	7	7	8	1	9
Gastroenteritis <sup>2</sup>	122	65	110	46	73	121	112	75	97	64	49	143	68
Giardiasis	122	129	129	139	110	153	117	123	148	130	131	114	110
Haemophilus influenzae type b	0	0	1	3	2	1	1	1	1	0	2	0	0
Hepatitis A	3	5	7	7	5	5	4	2	8	12	6	3	8
Hepatitis B (acute) <sup>3</sup>	4	5	4	9	6	5	5	7	3	4	8	10	3
Hepatitis C (acute) <sup>3</sup>	4	2	9	3	4	2	1	6	2	0	4	5	3
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	1	0
Influenza <sup>4</sup>	1	28	29	264	645	72	6	0	5	0	0	0	1
Lead absorption	10	10	8	11	6	11	13	4	24	16	5	3	9
Legionellosis	6	7	5	3	8	8	8	6	2	4	5	4	5
Leprosy	0	2	0	0	0	0	1	0	0	1	0	0	1
Leptospirosis	17	7	16	10	5	8	6	7	9	8	16	8	14
Listeriosis	3	0	1	2	2	2	2	2	3	3	2	1	2
Malaria	6	2	7	2	5	3	3	2	1	9	3	2	3
Measles	4	8	5	4	5	5	9	2	7	0	3	0	2
Meningococcal disease <sup>5</sup>	35	55	67	52	89	52	41	30	28	40	34	33	28
Mumps	5	3	5	1	10	2	2	6	4	5	6	3	6
Paratyphoid	1	0	2	1	1	0	1	0	1	3	3	1	1
Pertussis	58	59	38	61	46	62	25	21	35	48	66	76	108
Rheumatic Fever	2	15	2	35	18	2	7	18	13	2	14	4	12
Rickettsial disease	0	0	0	1	0	0	0	0	0	0	0	0	0
Rubella	2	2	3	6	2	2	0	1	1	3	3	2	1
Salmonellosis	87	115	106	106	72	79	105	132	149	167	158	123	135
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	6	10	2	2	15	7	10	9	3	6	10	9	4
Tetanus	0	0	0	0	0	1	0	1	0	0	0	0	0
Tuberculosis	40	42	43	27	34	30	30	38	27	30	35	36	36
Typhoid	2	1	0	3	2	1	2	0	2	6	1	1	0
VTEC/STEC infection	8	16	2	5	6	3	19	19	10	8	3	5	3
Yersiniosis	41	43	45	35	35	18	21	18	44	43	56	31	49

**Notes:** <sup>1</sup> Later data are provisional

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

<sup>3</sup> Only acute cases of this disease are currently notifiable

<sup>4</sup> Surveillance data based on laboratory-reported cases only

<sup>5</sup> 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 - November 2003

Cases this month

Current rate<sup>1</sup>

Disease	Cases for November 2003, <sup>2</sup> and current rate <sup>1,2</sup> by District Health Board <sup>3,4</sup>																				
	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 <sup>5</sup>	0	1			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	1.7			0.3	0	0	0	0	0.7	0	0	0.8	0	0.8	0.8	4.4	0	0.6	0	0
Campylobacteriosis	26	206	142	131	157	46	66	15	51	57	21	31	58	145	17	40	9	153	15	59	28
	202.0	410.2	396.2	329.1	459.5	426.1	304.8	318.4	378.6	420.8	309.8	216.2	502.8	632.0	397.8	260.5	316.9	434.6	392.2	315.7	306.7
Cryptosporidiosis	2	0	1	0	12	11	4	0	2	6	0	2	0	2	0	4	1	12	8	16	10
	19.0	3.0	4.6	4.8	43.1	35.0	15.7	18.2	9.7	36.2	28.3	28.4	14.4	51.2	34.0	21.2	46.2	21.8	89.0	38.7	31.9
Dengue fever	0	1	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	0.7	0	0	1.9
Gastroenteritis	0	13	10	9	11	0	0	0	1	0	2	39	3	9	0	2	0	20	0	0	3
	15.0	23.3	35.6	18.4	21.7	38.5	1.7	34.1	8.7	2.1	14.2	26.5	22.8	35.4	34.0	28.6	1.0	59.0	34.1	21.7	93.8
Giardiasis	2	16	24	11	13	3	5	1	0	1	0	2	3	8	1	7	0	23	1	0	1
	16.4	42.3	64.4	30.6	58.9	55.2	46.0	25.0	11.6	55.7	26.7	34.8	28.8	64.7	23.6	40.0	39.6	36.5	15.2	23.4	19.3
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	1.1	0	0	1.0	0	0.6	0	0	0	0	0	0.7	0	0	0
Hepatitis A	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	2.3	4.4	3.2	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	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	2.1	2.3	3.3	1.6	1.9	5.2	1.0	4.5	1.9	2.8	1.0	2.0	2.3	3.0	7.9	1.6	0	0.5	1.0	2.0	0
Hepatitis C	0	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	1.4	2.0	1.6	2.0	0.3	1.0	3.4	1.0	0	2.1	2.0	2.6	0	1.2	0	0	13.2	5.0	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	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	0	0	2	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	4	0
	1.4	1.2	4.1	1.1	4.7	1.0	1.1	2.0	4.9	6.3	2.0	7.1	0	5.3	7.9	3.0	0	3.3	2.0	6.4	1.9
Legionellosis	0	2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
	0	3.3	2.7	9.0	0.6	0	3.4	0	1.9	1.4	1.0	1.0	1.5	3.3	1.0	0	1.0	0.9	0	1.0	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	2	0	1	0	2	1	0	0	0	0	0	1	3	2	0	1	3
	5.0	0.5	1.0	0.8	6.3	1.0	2.8	13.6	4.9	10.4	4.7	5.2	0	0	0	11.4	3.0	3.3	1.0	2.3	4.8
Listeriosis	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	2.0	0.7	1.4	2.0	0.6	0	1.1	0	0	0	0	2.6	0.8	1.0	0	0	0	0	0	0	1.0
Malaria	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1
	1.0	1.6	0.8	1.6	1.3	1.0	0	0	0	1.0	3.1	0	3.0	0.8	0	1.0	0	2.3	0	3.0	1.0
Measles	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
	0	5.0	1.0	2.0	0.3	0	1.0	0	0	1.4	1.0	12.0	4.6	1.2	0	6.0	0	1.6	2.0	0	3.0
Meningococcal disease <sup>9</sup>	2	7	0	11	4	2	2	0	0	0	1	2	0	0	0	0	0	3	0	1	0
	27.1	13.0	18.2	27.2	13.5	31.3	30.3	9.1	7.8	13.9	28.3	9.0	9.1	8.5	5.2	1.0	6.6	7.5	3.0	14.1	9.7
Mumps	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	0	0	0
	5.7	0.2	0.3	0.3	0.9	0	1.1	1.0	1.0	2.8	2.0	1.0	2.0	3.0	2.6	3.3	3.3	1.9	0	4.1	1.0
Paratyphoid	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.4	0.8	0.3	0	0	0	0	0	0.7	0	0	0	0	0	0	0	2.0	0	0.6	0
Pertussis	1	6	8	2	13	0	4	0	0	1	0	0	0	3	0	3	0	7	1	7	2
	6.4	14.0	9.2	6.7	21.1	2.0	11.2	5.0	11.6	44.6	31.4	16.8	14.4	8.1	0	51.4	36.3	18.3	56.8	17.0	12.6
Rheumatic fever	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5.7	2.6	7.3	12.2	2.5	4.0	4.5	4.5	0	4.9	1.0	1.3	5.0	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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.0	1.0	0.3	1.0	0	0	1.1	2.3	0	4.9	0	1.0	0	1.6	2.6	1.0	13.2	1.0	0	1.0	0
Salmonellosis	1	6	6	8	9	1	7	0	4	10	0	2	1	3	1	5	0	12	6	4	1
	27.8	33.5	36.2	31.2	50.7	29.2	31.4	50.0	24.3	47.4	36.2	25.2	31.1	43.1	47.1	32.7	19.8	44.3	56.8	39.2	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	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	3.3	7.1	3.2	1.3	0	1.0	0	0	1.4	0	0	0.8	2.4	5.2	1.6	0	2.8	0	2.9	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	5	4	8	3	2	2	0	0	2	0	0	3	9	0	0	0	0	0	1	0
	8.0	48.0	60.0	48.0	12.0	4.0	13.0	0	10.0	13.0	1.0	3.0	13.0	30.0	0	3.0	1.0	4.0	3.0	6.0	1.0
Typhoid	0	0	0	1	0	0	0	0	0	1	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	1.5	1.2	0	0	0	0	0	0	0
VTEC / STEC	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	1
	7.1	0.9	2.0	2.4	6.3	3.0	3.9	0	7.0	0	0	2.6	0	0.8	0	4.0	1.0	2.6	17.1	4.1	3.9
Yersiniosis	0	6	5	4	5	1	0	0	0	0	0	0	1	7	2	1	1	7	0	1	0
	3.6	17.9	15.2	5.1	13.2	9.4	7.3	34.1	3.9	8.4	7.9	3.9	12.1	13.8	23.6	6.0	46.2	13.3	20.8	9.4	4.0

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