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## MONTHLY SURVEILLANCE REPORT

Data contained within this May monthly report is based on information recorded on EpiSurv by public health service staff up until 9 June 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

- *Giardiasis*: a total of 122 cases was notified in May 2004 of whom 113 (92.6%) were confirmed. In comparison, 117 cases were notified during the same month last year. Among May cases for whom this information was recorded, 11 (32.4%) reported contact with recreational water, 15 (45.5%) reported contact with children in nappies, other types of faecal matter or vomit and 14 (46.7%) reported contact with other symptomatic people during the incubation period. According to the Outbreak module in EpiSurv, five giardia outbreaks occurred in May from Auckland (3 outbreaks, 7 cases), and one each from West Coast (2 cases), and Wanganui (3 cases).
- *Hepatitis A*: six cases of hepatitis A were notified in May, compared to four cases notified during the same month last year. Three cases were reported from Counties Manukau, Capital and Coast (2 cases), and Auckland (1 case) DHBs. One of the cases recorded sexual contact as risk factor. Ethnicity was recorded for five cases, European (2 cases), Pacific Peoples (2), and Other ethnicity (1). Ages of notified cases ranged from 7 to 63 years.
- *Influenza*: during May, 258 consultations for influenza-like illness were reported from 65 general practices (on average) in 22 out of 24 health districts. The average weekly consultation rate for May was 19.1 per 100 000 patient population, compared to a rate of 22.4 per 100 000 patient population during the same month last year. Otago had the highest consultation rate (106.4 per 100 000), followed by Hutt (95.2 per 100 000). A total of 85 swabs were received for testing during May. Of these, one was identified as influenza A/Fujian/411/2002 (H3N2)-like virus from the Hutt.
- *Leptospirosis*: a total of 10 cases of leptospirosis was notified in May, bringing the year to date total to 51. In comparison, six cases were notified during the same month last year. Three cases were reported from Hawkes Bay; two from Southland, while Tairāwhiti, MidCentral, Lakes, Bay of Plenty, and West Coast DHBs reported one case each. Occupation was recorded for 6

of the 10 cases. Five cases worked in the meat processing industry and one in the pet food industry. Cases ranged in age from 18 to 51 years.

- *Meningococcal disease*: based on 'earliest date available', 29 cases of meningococcal disease were notified during May 2004, of which 18 (62.1%) were laboratory-confirmed. In comparison, 25 cases were notified the previous month, and 44 cases were notified during May 2003. Otago DHB recorded the highest monthly rate of 2.3 per 100 000 population (4 cases). However, the highest number of meningococcal cases (6 cases) was reported from Counties Manukau DHB.
- *Pertussis*: during May 2004 there were 126 pertussis notifications, compared to 69 cases the previous month, and 25 cases during May the previous year. Of the 126 May cases, 63 (50.0%) were confirmed either by serological means, PCR, or by isolation of *Bordetella pertussis*. Seven cases were epidemiologically linked to confirmed cases and the remaining cases were notified on clinical grounds alone. One of the cases had been hospitalised.
- *Rickettsial disease*: one laboratory-confirmed case of rickettsial disease<sup>1</sup> was notified in May from Auckland DHB. The case was a female in the 50-59 years age group who had recently returned from Thailand. The suspected source of infection was contact with infected rats. This is the first case of rickettsial disease notified in 2004.
- *Ross River virus infection*: one confirmed case of Ross River virus infection was notified in May from Canterbury DHB. The case was an Australian tourist in the 60-69 years age group, from the New South Wales/Queensland border, an area where Ross River virus is endemic.
- *Typhoid*: two confirmed cases of typhoid were notified in May from Auckland and Waikato DHBs. The cases were females in the 20-29 years age group. The Waikato case had recently returned from India. The Auckland case was hospitalised; no overseas travel reported. This brings the total number of cases notified to date to 13.
- *Yersiniosis*: 43 cases of yersiniosis were notified in May, compared to 21 cases notified during the same month last year. The current year to date rate of 12.9 per 100 000 is higher than the previous year to date rate of 11.4 per 100 000. A total of 227 cases have been notified for the year to date, compared with 182 at the same time last year. One of the cases had been hospitalised.

## 2. Deaths from notifiable diseases

Three deaths were reported this month, all from Counties Manukau DHB. Two deaths were from tuberculosis, a male and a female aged over 70 years. One death was from meningococcal disease, a male aged less than one year.

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<sup>1</sup> Notified as murine typhus.

### 3. Data Tables

#### *Disease incidence and rates*

Disease <sup>1</sup>	Current year - 2004 <sup>2</sup>			Previous year - 2003		
	May 2004 cases	Cumulative total since 1 January	Current rate <sup>3</sup>	May 2003 cases	Cumulative total since 1 January	Previous rate <sup>3</sup>
AIDS	0	12	0.9	2	13	0.6
Campylobacteriosis	669	5119	379.6	710	5720	356.5
Cryptosporidiosis	18	85	18.4	31	215	27.5
Dengue fever	0	6	0.4	15	47	2.3
Gastroenteritis <sup>4</sup>	108	573	32.3	112	397	29.6
Giardiasis	122	689	43.1	117	649	39.3
<i>H. influenzae</i> type b disease	0	0	0.2	1	4	0.1
Hepatitis A	6	30	1.8	4	32	1.6
Hepatitis B (acute) <sup>5</sup>	4	18	1.4	4	26	1.7
Hepatitis C (acute) <sup>5</sup>	4	17	1.2	1	13	1.2
Hydatid disease	0	0	0	0	0	0.1
Influenza <sup>6</sup>	2	11	28.1	6	11	17.5
Lead absorption	9	42	2.6	13	62	3.0
Legionellosis	8	37	2.4	8	25	1.4
Leprosy	0	1	0.1	1	2	0.1
Leptospirosis	10	51	3.2	6	46	3.2
Listeriosis	1	13	0.7	2	12	0.6
Malaria	3	18	1.2	3	18	1.2
Measles	3	23	1.8	9	21	0.9
Meningococcal disease <sup>7</sup>	32	121	13.1	41	173	15.2
Mumps	1	13	1.3	2	22	1.6
Paratyphoid	2	10	0.5	1	8	0.5
Pertussis	126	521	24.3	25	195	23.0
Rheumatic fever	3	28	3.3	7	54	2.6
Rickettsial disease	1	1	0.1	0	0	0.1
Rubella	3	11	0.8	0	8	0.6
Salmonellosis	81	525	32.5	105	711	40.4
SARS	0	0	0	0	0	0
Shigellosis	12	55	2.8	10	38	2.5
Tetanus	0	0	0	0	1	0
Tuberculosis	37	149	11.0	30	160	10.8
Typhoid	2	13	0.6	2	11	0.5
VTEC / STEC infection	5	43	2.4	19	59	2.5
Yersiniosis	43	227	12.9	21	182	11.4

**Notes:** <sup>1</sup> Other notifiable infectious disease reported in May : Ross River virus infection

<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 May 2004) or the previous year (12 months up to and including May 2003), 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 May 2004 and preceding 12 months*

Disease	May 2004	Apr 2004	Mar 2004	Feb 2004	Jan 2004	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003	May 2003
AIDS	0	3	2	4	3	5	2	0	5	1	5	3	2
Campylobacteriosis	669	676	1204	1075	1495	1542	1471	1454	1389	1394	1070	750	710
Cryptosporidiosis	18	10	21	19	17	30	92	195	181	60	16	29	31
Dengue fever	0	0	3	1	2	0	1	0	0	1	3	3	15
Gastroenteritis <sup>2</sup>	108	198	80	71	116	89	127	67	110	46	73	121	112
Giardiasis	122	118	150	156	143	138	122	129	129	139	110	153	117
Haemophilus influenzae type b	0	0	0	0	0	1	0	0	1	3	2	1	1
Hepatitis A	6	6	5	7	6	5	3	5	8	7	5	5	4
Hepatitis B (acute) <sup>3</sup>	4	1	2	8	3	2	4	5	4	9	6	5	4
Hepatitis C (acute) <sup>3</sup>	4	0	5	8	0	4	3	2	9	3	4	2	1
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza <sup>4</sup>	2	2	0	4	3	2	1	28	29	264	645	72	6
Lead absorption	9	6	10	7	10	2	9	10	8	11	6	11	13
Legionellosis	8	9	5	11	4	17	5	7	5	2	8	8	8
Leprosy	0	1	0	0	0	0	0	2	0	0	0	0	1
Leptospirosis	10	11	13	9	8	8	15	7	16	9	5	8	6
Listeriosis	1	2	4	3	3	2	3	0	1	2	2	2	2
Malaria	3	4	2	6	3	3	6	2	7	2	5	3	3
Measles	3	5	5	2	8	12	5	8	5	4	7	5	9
Meningococcal disease <sup>5</sup>	32	26	30	12	21	27	34	51	66	51	88	52	41
Mumps	1	2	1	5	4	8	5	3	5	1	10	2	2
Paratyphoid	2	2	3	3	0	4	1	1	2	1	1	0	1
Pertussis	126	69	89	128	109	70	57	58	38	61	44	61	25
Rheumatic Fever	3	5	5	12	3	10	2	16	14	35	18	2	7
Rickettsial disease	1	0	0	0	0	0	0	0	0	1	0	0	0
Rubella	3	1	3	1	3	3	1	2	2	6	2	2	0
Salmonellosis	81	88	116	98	142	126	87	114	106	106	72	79	105
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	12	9	12	8	14	7	6	10	2	2	15	7	10
Tetanus	0	0	0	0	0	0	0	0	0	0	0	1	0
Tuberculosis	37	28	36	28	20	42	40	44	44	28	33	30	30
Typhoid	2	1	2	5	3	0	2	1	0	3	2	1	2
VTEC/STEC infection	5	3	6	16	13	5	8	16	2	5	6	3	19
Yersiniosis	43	34	40	45	65	40	41	43	45	35	35	18	21

**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 - May 2004

Cases this month

Current rate<sup>1</sup>

Disease	Cases for May 2004, <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	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	1.9			0.3		0.6	0	0	0.7		0	1.1		0	0	1.1	4.4	0	0.6	0
Campylobacteriosis	16	83	98	63	57	18	22	4	16	30	8	12	21	53	2	15	4	80	11	35	21
	209.8	389.5	394.8	306.7	476.5	437.6	308.7	293.5	412.5	443.0	355.3	227.1	486.9	556.8	363.9	249.0	330.4	404.1	407.3	329.2	297.1
Cryptosporidiosis	0	1	0	1	3	0	0	0	0	1	0	2	1	1	1	0	0	3	0	4	0
	13.6	4.7	3.3	5.1	46.3	43.8	14.0	15.9	9.7	35.5	23.6	29.7	7.6	8.5	28.8	15.5	33.0	17.1	87.2	32.2	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
	0	0.7	0.3	0.3	0.6	0	0.6	0	1.0	0	0	0	0	0.8	0	0	0	0.2	0	0.6	1.0
Gastroenteritis	0	7	3	5	45	0	0	0	2	0	1	0	2	4	0	0	0	15	2	22	0
	5.0	21.9	25.6	18.4	78.1	8.3	1.1	0	8.7	2.1	11.0	26.5	26.5	32.5	10.5	29.4	16.5	51.3	168.6	38.1	86.1
Giardiasis	3	18	16	6	11	5	3	0	2	4	4	8	6	12	1	4	2	13	0	0	4
	23.5	39.8	60.1	35.1	69.6	62.5	35.4	27.3	18.4	52.9	29.9	33.6	45.5	63.4	20.9	42.5	49.6	37.7	13.3	28.7	21.3
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
	1.4	0	0	0.5	0	0	1.1	0	0	0.7	0	0	0	0	0	0	0	0.2	0	0	0
Hepatitis A	0	0	1	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	0	2.1	3.8	4.8	0.6	2.1	0.6	4.6	0	2.1	1.6	0	0	3.3	0	1.6	0	0.7	0	1.8	0
Hepatitis B	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
	1.4	2.1	1.4	2.1	1.6	6.3	1.1	2.3	1.0	2.1	0	0	1.5	0.8	0	0.8	0	0.5	1.9	1.8	0
Hepatitis C	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	1.2	1.1	0.5	0	1.0	3.9	6.8	0	0.7	1.6	1.9	0.8	1.2	10.5	0	9.9	1.2	0	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
Lead absorption	0	0	1	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	1	3
	2.9	1.2	2.4	0.3	3.1	2.1	0.6	4.6	1.0	3.5	4.7	6.5	0	4.5	5.2	1.6	0	2.6	5.7	6.4	5.8
Legionellosis	1	1	2	2	0	0	1	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	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	0	1	1	1	0	3	0	1	0	0	0	0	1	0	0	0	2
	5.0	0.2	0	0.8	7.6	4.2	1.1	15.9	5.8	9.1	3.1	7.1	0	0	2.6	6.5	16.5	3.0	3.8	0.6	8.7
Listeriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	1.4	0.5	0	1.3	1.0	0.6	0	0	0	0	1.9	0	1.2	0	0	0	0.2	0	1.2	1.9
Malaria	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	1.6	1.9	1.3	1.3	0	0	0	0	1.4	4.7	0	2.3	1.6	0	0.8	0	0.7	0	2.9	1.0
Measles	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	0.9	1.6	0.3	0.3	0	0	0	0	1.4	1.6	8.4	4.6	0.8	2.6	9.0	16.5	1.2	3.8	0	8.7
Meningococcal disease <sup>5</sup>	3	4	5	6	2	2	1	0	0	0	0	0	1	1	0	0	0	2	0	4	1
	22.1	11.6	16.3	25.6	11.3	27.1	20.2	11.4	5.8	12.5	25.2	4.5	8.3	8.5	5.2	0.8	3.3	6.8	3.8	14.6	10.6
Mumps	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	3.6	0.5	0	0.3	0.3	0	0.6	2.3	0	2.1	6.3	1.9	1.5	3.3	0	2.4	0	1.9	0	2.9	0
Paratyphoid	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0.7	1.2	1.1	0.5	0.6	0	0	0	0	0.7	0	0	0	0.4	0	0	0	0.9	0	0	0
Pertussis	0	6	6	1	22	5	5	0	1	2	0	3	2	7	0	10	0	8	3	41	4
	39.2	19.1	16.3	13.3	43.7	25.0	29.7	29.6	7.8	44.6	1.6	9.0	13.7	10.2	0	37.6	6.6	24.1	73.9	50.4	27.1
Rheumatic fever	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	6.4	1.6	6.8	13.3	2.5	1.0	3.4	9.1	0	4.9	1.6	0	3.0	1.2	0	0	0	0	0	0	0
Rickettsial disease	0	0	1	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
Rubella	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
	1.4	0.2	0.3	0.3	0	1.0	0.6	0	0	3.5	1.6	0.6	0.8	1.6	2.6	1.6	9.9	0.5	0	1.2	0
Salmonellosis	2	7	11	7	11	1	3	0	2	1	1	1	0	6	0	3	0	14	3	5	3
	25.7	23.3	31.8	35.1	35.6	24.0	29.7	29.6	28.1	51.5	28.3	18.1	21.2	33.4	26.2	35.9	13.2	35.8	68.2	45.1	43.5
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	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	0	0	1	9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
	1.4	3.3	6.8	8.5	1.3	1.0	0.6	0	0	0	3.1	0	0.8	3.3	2.6	0.8	3.3	1.6	0	1.8	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	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	6	5	4	6	1	1	0	3	4	0	1	0	3	0	0	0	2	0	0	1
	5.7	14.9	19.9	18.1	9.1	8.3	7.3	0	12.6	18.1	4.7	5.8	12.9	16.3	2.6	3.3	0	4.7	1.9	5.3	3.9
Typhoid	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.5	1.6	2.1	0.6	0	0.6	0	0	0.7	0	0	0	0.8	0	0	0	0	0	0	0
VTEC / STEC	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	2.9	1.2	1.1	1.6	6.0	3.1	3.9	2.3	8.7	0.7	0	1.3	0	0.8	0	4.1	0	2.6	3.8	3.5	1.0
Yersiniosis	0	6	4	4	7	0	2	0	0	4	2	1	1	3	1	1	3	2	0	1	1
	2.1	18.4	16.6	8.3	14.8	10.4	10.1	20.5	4.9	16.0	9.4	6.5	18.2	17.1	18.3	8.2	39.7	13.6	15.2	8.8	5.8

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