

## MONTHLY SURVEILLANCE REPORT

Data contained within this July monthly report is based on information recorded on EpiSurv by public health service staff up until 10 August 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

- *Campylobacter*: a total of 827 cases was notified in July 2004 of whom 792 (95.8%) were confirmed. Among July cases for whom this information was recorded, 46.7% (43/92) cases consumed food from a food premise, 34.6% (36/104) reported contact with farm animals, and 19.8% (17/86) reported contact with untreated water during the incubation period. Capital and Coast recorded the highest current rate of 549.9 per 100 000 population compared to the national rate of 375.7 per 100 000 population. Two campylobacter outbreaks were reported in July from Auckland (15 cases) and West Coast (3 cases).
- *Influenza*: during July, 448 consultations for influenza-like illness were reported from 82 general practices (on average) in 22 out of 24 health districts. The average weekly consultation rate for July was 25.6 per 100 000 patient population, compared to a rate of 134.4 per 100 000 patient population during the same month last year (Figure 1). Eastern Bay of Plenty had the highest consultation rate (117.0 per 100 000), followed by South Canterbury (103.0 per 100 000). A total of 104 swabs were received for testing during July. Of these, one was identified as influenza A virus (yet to be subtyped) from Canterbury.
- *Japanese encephalitis*: one probable case of Japanese encephalitis has been notified in July 2004. The case was an adult female with history of travel to China.
- *Meningococcal disease*: based on earliest<sup>1</sup> date available, 38 cases of meningococcal disease were notified during July 2004, of which 32 (84.2%) were laboratory-confirmed. In comparison, 28 cases were notified the previous month, and 84 cases were notified during July 2003. In July 2004, Counties

<sup>1</sup> The 'earliest' date refers to the earliest recorded date for the case (onset or hospitalisation date rather than report date, if available). 'Earliest' date, as opposed to 'report date' alone, is used throughout the analysis of meningococcal disease notification data in this section.

Manukau DHB recorded the highest current rate of 22.4 per 100 000 population. The current rate of disease was highest amongst infants aged less than one year with a rate of 102.5 per 100 000 population, compared to a national rate of 11.0 per 100 000 population.

- *Pertussis*: during July 2004 there were 177 pertussis notifications, compared to 188 cases the previous month, and 44 cases during July the previous year (Figure 2). Of the 177 July 2004 cases, 55 (31.1%) were laboratory-confirmed. Ten cases (6.9% or 10/145) had been hospitalised. Otago DHB had the highest current incidence rate of 90.8 per 100 000 population, compared to a national rate of 31.2 per 100 000 population. Nelson-Marlborough DHB recorded the highest number of cases (34) for July 2004. The current rate by age group was highest amongst infants aged less than one year (215.9 per 100 000 population), followed by the children in the 1-4 years age group (88.4), and children in the 5-9 years age group (86.3). Two pertussis outbreaks occurred in July from Marlborough (16 cases) and West Coast (2 cases).

## **2. Deaths from notifiable diseases**

No deaths were reported for the month of July.

### 3. Trends in selected diseases to July 2004

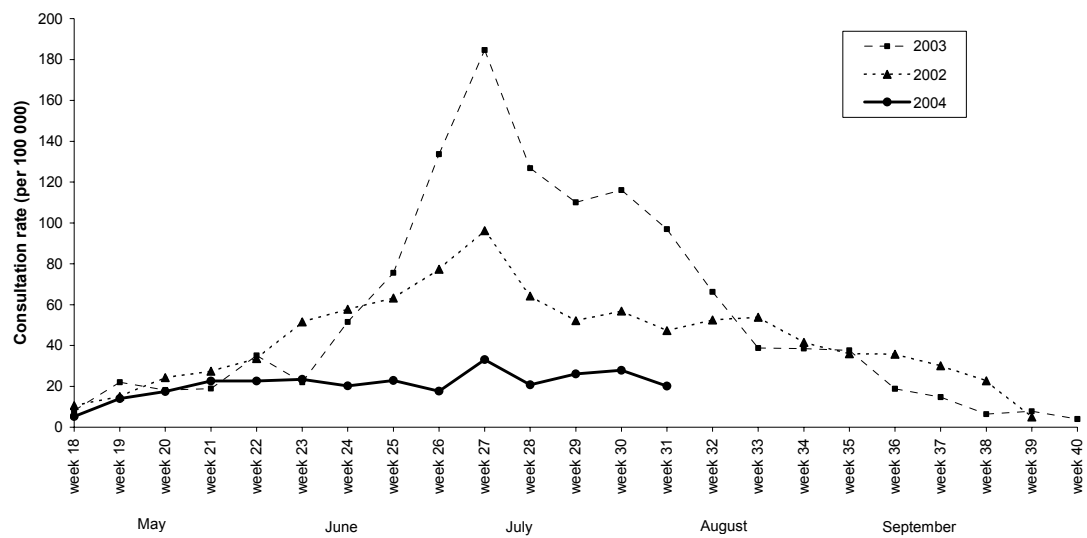


Figure 1: Weekly consultation rates for influenza-like illness in New Zealand, 2002-2004

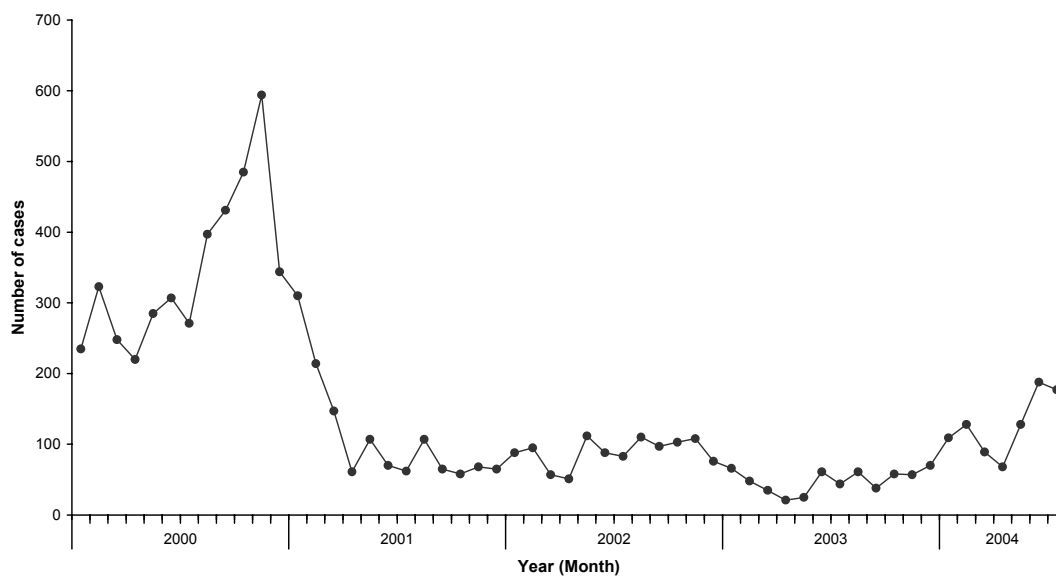


Figure 2: Pertussis notifications by month, January 2000 - July 2004

## 4. Data Tables

### *Disease incidence and rates*

Disease <sup>1</sup>	Current year - 2004 <sup>2</sup>			Previous year - 2003		
	Jul 2004 cases	Cumulative total since 1 January	Current rate <sup>3</sup>	Jul 2003 cases	Cumulative total since 1 January	Previous rate <sup>3</sup>
AIDS	4	18	0.8	5	21	0.7
Campylobacteriosis	827	6791	375.7	1070	7540	356.3
Cryptosporidiosis	12	110	17.9	16	260	26.5
Dengue fever	0	8	0.3	3	53	1.9
Gastroenteritis <sup>4</sup>	78	833	34.0	73	589	29.2
Giardiasis	133	953	43.1	110	912	39.5
<i>H. influenzae</i> type b disease	1	2	0.2	2	7	0.2
Hepatitis A	5	37	1.7	5	42	1.6
Hepatitis B (acute) <sup>5</sup>	9	29	1.4	6	37	1.7
Hepatitis C (acute) <sup>5</sup>	3	19	1.1	4	19	1.1
Hydatid disease	0	0	0	0	0	0.1
Influenza <sup>6</sup>	13	30	9.5	645	728	26.5
Lead absorption	8	58	2.6	6	79	3.0
Legionellosis	4	43	2.1	8	41	1.6
Leprosy	1	2	0.1	0	2	0.1
Leptospirosis	7	67	3.2	5	59	3.0
Listeriosis	1	15	0.6	2	16	0.7
Malaria	3	22	1.1	5	26	1.2
Measles	1	21	1.5	7	33	1.1
Meningococcal disease <sup>7</sup>	37	183	11.0	88	313	15.4
Mumps	3	20	1.1	10	34	1.7
Paratyphoid	3	15	0.6	1	9	0.3
Pertussis	177	881	31.2	44	300	21.2
Rheumatic fever	4	34	3.0	18	74	2.9
Rickettsial disease	0	0	0	0	0	0.1
Rubella	1	14	0.7	2	12	0.6
Salmonellosis	63	662	32.1	72	862	39.5
SARS	0	0	0	0	0	0
Shigellosis	10	74	2.7	15	60	2.5
Tetanus	0	0	0	0	2	0.1
Tuberculosis	29	203	10.8	33	223	10.8
Typhoid	2	21	0.7	2	14	0.5
VTEC / STEC infection	4	53	2.4	6	68	2.5
Yersiniosis	31	297	13.4	35	235	11.1

**Notes:** <sup>1</sup> Other notifiable infectious diseases reported in July : Chemical environmental poisoning, Japanese Encephalitis

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

Disease	Jul 2004	Jun 2004	May 2004	Apr 2004	Mar 2004	Feb 2004	Jan 2004	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003
AIDS	4	2	0	3	2	4	3	5	2	0	5	1	5
Campylobacteriosis	827	842	668	680	1205	1074	1495	1542	1471	1454	1389	1394	1070
Cryptosporidiosis	12	13	18	10	21	19	17	30	92	195	181	60	16
Dengue fever	0	2	0	0	3	1	2	0	1	0	0	1	3
Gastroenteritis <sup>2</sup>	78	167	112	199	88	72	117	89	127	66	110	45	73
Giardiasis	133	132	121	118	150	156	143	138	122	129	129	139	110
Haemophilus influenzae type b	1	1	0	0	0	0	0	1	0	0	1	3	2
Hepatitis A	5	2	6	6	5	7	6	5	3	5	8	7	5
Hepatitis B (acute) <sup>3</sup>	9	2	4	1	2	8	3	2	4	5	4	9	6
Hepatitis C (acute) <sup>3</sup>	3	0	3	0	5	8	0	4	3	2	9	3	4
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza <sup>4</sup>	13	6	2	2	0	4	3	2	1	28	29	264	645
Lead absorption	8	7	10	6	10	7	10	2	9	10	8	11	6
Legionellosis	4	4	8	7	5	11	4	17	5	7	5	2	8
Leprosy	1	0	0	1	0	0	0	0	0	2	0	0	0
Leptospirosis	7	10	10	11	13	8	8	8	15	6	16	9	5
Listeriosis	1	1	1	2	4	3	3	2	3	0	1	2	2
Malaria	3	1	3	4	2	6	3	3	6	2	7	2	5
Measles	1	1	2	5	3	1	8	12	5	8	5	4	7
Meningococcal disease <sup>5</sup>	37	26	31	26	30	12	21	27	34	51	66	51	88
Mumps	3	4	1	2	1	4	5	8	5	3	5	1	10
Paratyphoid	3	2	2	2	3	3	0	4	1	1	2	1	1
Pertussis	177	188	126	66	89	128	107	70	57	58	38	61	44
Rheumatic Fever	4	2	3	5	5	12	3	10	2	16	14	35	18
Rickettsial disease	0	0	0	0	0	0	0	0	0	0	0	1	0
Rubella	1	1	3	1	3	2	3	3	1	2	2	6	2
Salmonellosis	63	74	81	88	116	98	142	126	87	114	106	106	72
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	10	10	12	9	11	8	14	7	6	10	2	2	15
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	29	29	37	27	35	26	20	42	40	45	45	28	33
Typhoid	2	6	2	1	2	5	3	0	2	1	0	3	2
VTEC/STEC infection	4	6	5	3	6	16	13	5	8	16	2	5	6
Yersiniosis	31	38	43	34	40	46	65	40	41	43	45	35	35

**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 - July 2004

Cases this month

Current rate<sup>1</sup>

Disease	Cases for July 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	1			0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1
	0.7	1.4			0.3	0	0.6	0	0	1.4	0	0	1.1	0	0	0	1.1	4.4	0	0.6	1.0
Campylobacteriosis	26	97	123	67	78	19	30	6	23	38	9	21	37	70	5	16	7	64	17	44	30
	222.6	377.9	389.1	298.2	469.3	427.2	307.0	277.6	414.4	439.5	350.5	228.4	486.2	549.9	332.4	240.0	323.8	389.8	441.4	347.9	333.9
Cryptosporidiosis	1	1	1	0	2	0	0	0	0	0	0	0	0	2	0	1	0	4	0	0	0
	14.3	4.9	3.5	4.8	46.6	40.6	12.3	15.9	9.7	31.3	23.6	30.3	5.3	5.7	26.2	16.3	33.0	16.6	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	0.2	0	0.3	1.3	0	0	0	1.0	0	0	0	0	0.8	0	0	0	0	0	0.6	0
Gastroenteritis	0	5	6	5	24	0	0	0	0	0	0	1	6	10	1	3	0	16	0	1	0
	4.3	20.2	23.9	18.9	80.9	7.3	1.7	0	7.8	2.8	11.0	83.2	28.8	32.5	13.1	12.2	19.8	49.4	159.1	36.9	97.7
Giardiasis	5	20	33	6	15	3	7	2	1	5	1	2	6	10	2	0	0	13	0	1	1
	25.7	41.0	63.4	34.1	69.9	66.7	35.4	31.9	19.4	52.2	33.0	25.8	50.8	60.2	20.9	37.6	59.5	36.3	20.8	25.2	21.3
H. influenzae type b disease	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	0	0	0.5	0.3	0	0.6	0	0	0	0	0	0.8	0	0	0	0	0	0	0	0
Hepatitis A	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	0	2.6	3.0	5.1	0.6	1.0	0.6	2.3	1.0	0.7	1.6	0.6	0	2.8	0	1.6	0	0.7	0	1.8	0
Hepatitis B	0	2	1	0	1	0	0	0	1	0	0	0	0	3	0	1	0	0	0	0	0
	1.4	2.3	1.4	1.9	1.3	6.3	1.1	2.3	1.0	2.1	0	0	0	1.2	0	1.6	0	0.9	1.9	1.2	0
Hepatitis C	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	0	1.2	0.5	0.5	0	1.0	3.9	4.6	0	0.7	0	0.6	0.8	1.2	10.5	0	13.2	1.4	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	3	1	1	0
	2.9	1.6	2.2	0.3	2.8	2.1	0.6	4.6	0	2.8	3.1	5.2	0	2.8	2.6	1.6	0	3.3	7.6	8.2	7.7
Legionellosis	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	2.1	2.8	3.3	2.9	1.3	0.0	2.8	2.3	1.0	0.0	0.0	1.3	3.0	4.1	5.2	0.8	3.3	0.7	3.8	2.3	1.0
Leprosy	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	0.3	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	1	1	0	0	0	3	0	1	0	0	0	0	1	0	0	0	0
	4.3	0	0	0.5	7.9	4.2	1.1	13.7	5.8	10.4	0	7.1	0	0	2.6	6.5	19.8	2.8	1.9	0.6	14.5
Listeriosis	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.2	0.3	0.3	1.3	2.1	0.6	0	0	0	0	0.6	0	1.2	0	0	0	0.2	0	1.2	1.9
Malaria	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	0.7	1.2	2.2	1.1	1.3	0	0	0	0	1.4	4.7	0	0	2.0	0	0.8	0	1.2	0	1.8	1.0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0.9	0.5	0.3	0.3	0	0	0	0	1.4	0	7.7	4.6	0.4	2.6	4.1	16.5	1.2	3.8	0	7.7
Meningococcal disease <sup>9</sup>	6	5	3	8	3	0	1	0	2	1	0	2	0	1	0	0	0	3	1	1	0
	16.4	10.0	12.0	22.4	9.1	16.7	16.3	13.7	8.7	7.7	18.9	5.8	6.8	7.7	5.2	0.8	0	7.3	3.8	14.1	8.7
Mumps	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	0.7	0.5	0	0.8	0.3	0	0	2.3	0	2.1	7.9	2.6	2.3	3.3	0	1.6	0	1.4	0	1.8	0
Paratyphoid	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0.7	1.2	0.8	1.3	0.6	0	0.6	0	0	0.7	0	0	0	0.4	0	0.8	0	0.9	0	0	0
Pertussis	2	3	5	6	28	3	5	3	0	4	0	9	3	8	0	34	3	26	6	14	15
	40.0	19.5	16.6	15.7	57.0	30.2	35.9	50.1	9.7	39.7	1.6	16.1	15.2	14.2	0	69.4	19.8	32.1	60.6	90.8	44.5
Rheumatic fever	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8.6	1.4	5.7	11.7	1.6	0	3.9	9.1	0	3.5	1.6	0	2.3	1.2	0	0	0	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	0.3	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	1	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	0.2	0.5	0.3	0	1.0	1.1	0	1.0	2.8	1.6	0	0.8	1.2	2.6	0.8	9.9	0.5	0	1.2	0
Salmonellosis	4	5	9	11	7	1	3	0	1	3	0	0	3	6	1	2	0	5	0	1	1
	27.8	20.9	30.2	35.9	39.3	27.1	31.4	29.6	30.1	47.4	26.7	13.5	22.8	31.3	31.4	36.7	16.5	34.2	66.3	43.3	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	1	2	2	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	2	0
	0.7	2.3	6.0	8.8	1.6	1.0	1.7	0	0	0	4.7	0	0.8	2.8	2.6	0	3.3	1.6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	2	4	9	3	2	0	0	0	0	0	0	3	1	5	0	0	0	0	0	0	0
	6.4	14.0	18.5	16.0	10.4	7.3	6.7	4.6	11.6	16.7	3.1	8.4	10.6	19.9	7.9	3.3	0	4.2	1.9	5.9	1.9
Typhoid	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.7	1.4	3.2	0.6	0	0.6	0	0	0.7	0	0	0	0.8	0	0.8	0	0	0	0	0
VTEC / STEC	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.1	1.2	0.8	1.3	7.9	3.1	5.6	2.3	7.8	0.7	0	1.3	0	0.4	0	2.4	0	2.6	1.9	3.5	1.0
Yersiniosis	0	1	6	3	4	0	1	1	0	1	1	0	1	1	0	0	1	6	2	1	1
	1.4	17.7	18.5	9.3	13.2	10.4	10.7	25.0	3.9	16.0	9.4	7.7	19.7	17.9	15.7	8.2	46.3	14.3	18.9	8.8	6.8

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