

## MONTHLY SURVEILLANCE REPORT

Data contained within this August monthly report is based on information recorded on EpiSurv by public health service staff up until 9 September 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*: 1392 cases were notified in August 2003 – the highest ever recorded total for the month of August. Rates were highest in the ‘1 to 4 years’ age group with a monthly rate of 63.8 per 100 000 (138 cases). Hutt DHB reported the highest monthly incidence rate of 55.4 per 100 000, followed by Capital and Coast DHB with a rate of 54.9 per 100 000.
- *Haemophilus influenzae type b disease (Hib)*: 3 cases were notified in August 2003, of whom two were lab-confirmed. One lab-confirmed case was an 8-month-old male of Pacific ethnicity with unknown vaccination status. The remaining two August cases were unvaccinated adults. This brings the number of year-to-date lab-confirmed cases of Hib in children to six. In contrast, no cases of Hib in children were notified during 2002.
- *Influenza*: 55 hospitalisations with a primary diagnosis of influenza were reported in August 2003. Monthly hospitalisation rates were highest in the ‘less than one year’ age group, with a rate of 18.4 per 100 000, compared to an overall rate of just 1.5 per 100 000. In contrast, a record 282 influenza hospitalisations were reported during July 2003.
- *Measles*: 5 cases were notified in August 2003, two of whom were lab-confirmed. This brings the year-to-date total to 36 cases, compared to a total of just 25 notifications during 2002. August cases ranged in aged from 4 months to 3 years. Information on vaccination status was recorded for two cases, both of whom had received at least one dose of vaccine. One case was hospitalised.
- *Meningococcal disease*: 57 cases were notified during August 2003<sup>1</sup>, of whom 45 (79%) were lab-confirmed. This brings the year-to-date total to 374 cases. In comparison, 87 cases were notified the previous month, and 87 cases were also

<sup>1</sup> Based on the earliest date available

notified during August the previous year. Rates of disease were highest in the 'less than one year' age group, with a monthly rate of 11.0 per 100 000 (6 cases). Lakes DHB, experienced the highest rate of 5.2 per 100 000 (5 cases), more than three times the national rate of 1.5 per 100 000.

- *Pertussis*: 61 cases were notified in August 2003, compared to 46 cases the previous month and 110 cases during August the previous year. Monthly incidence rates were highest in South Canterbury DHB, with a rate of 11.4 per 100 000 (6 cases), compared to a national rate of just 1.6 per 100 000. Vaccination status was recorded for 15 of the 25 cases aged below five years. Of these, 11 (73%) cases had received at least one dose of vaccine.
- *Rheumatic fever*: 29 cases (all from the North Island) were notified in August. This is the highest monthly notification total for more than 3 years. Among cases for whom ethnicity was recorded, 14 were Maori, 13 were Pacific Peoples, and one case was of 'Other' ethnicity. Rates were highest in the '10 to 14 years' age group with a monthly rate of 5.8 per 100 000 (17 cases), more than 7 times the overall rate of 0.8
- *Rickettsial disease*: one lab-confirmed case was notified in August from Counties Manukau DHB. The case, a 50 years plus male, had overseas during the incubation period. This is the only case of rickettsial disease notified since September 2002, when two cases were reported.
- *Rubella*: 6 cases were reported in August 2003. No cases were lab-confirmed. All four cases for whom vaccination information was recorded had received at least one dose of vaccine. None of the four cases for whom travel information was recorded had travelled overseas during the incubation period.
- *Salmonellosis*: 107 cases were notified in August 2003, compared to 72 cases the previous month and 86 cases during August the previous year. The predominant types identified by the ESR Enteric Reference Lab were *Salmonella* Typhimurium phage type 160 (36 cases), and *Salmonella* Montevideo (10 cases). Several cases of *S. Montevideo* were linked to the consumption of contaminated tahini at Auckland food premises.

## **2. Outbreaks**

According to information recorded on EpiSurv, 19 outbreaks commenced in August. Among these, the most commonly reported illnesses or pathogens were gastroenteritis (11 outbreaks) and *Campylobacter* (3 outbreaks). There were also two *Salmonella* outbreaks reported, and one outbreak each of rubella, norovirus and *Giardia*.

## **3. Deaths from notifiable diseases**

Two deaths from meningococcal disease were reported in August: a male aged between 60 and 70 years from Counties Manukau DHB, and a female aged between 1 and 4 years from Northland DHB.

## 4. Data tables

### *Disease incidence and rates*

Disease <sup>1</sup>	Current year - 2003 <sup>2</sup>			Previous year - 2002		
	Aug 2003 cases	Cumulative total since 1 January	Current rate <sup>3</sup>	Aug 2002 cases	Cumulative total since 1 January	Previous rate <sup>3</sup>
AIDS	1	22	0.7	1	12	0.5
Campylobacteriosis	1392	8930	363.4	1124	7841	339.5
Cryptosporidiosis	59	319	25.7	90	333	24.2
Dengue fever	1	54	1.7	8	60	2.5
Gastroenteritis <sup>4</sup>	40	630	28.5	69	654	26.6
Giardiasis	140	1053	40.0	122	1104	43.4
<i>H. influenzae</i> type b disease	3	11	0.3	0	3	0.1
Hepatitis A	7	49	1.7	2	91	2.9
Hepatitis B (acute) <sup>5</sup>	10	48	1.8	6	47	1.6
Hepatitis C (acute) <sup>5</sup>	3	22	1.0	7	37	1.5
Hydatid disease	0	0	0	1	1	0.1
Influenza <sup>6</sup>	264	992	29.9	136	572	17.2
Lead absorption	11	90	3.0	10	68	2.7
Legionellosis	3	44	1.6	3	35	1.2
Leprosy	0	2	0.1	0	3	0.1
Leptospirosis	9	68	3.0	6	96	3.3
Listeriosis	2	18	0.7	3	12	0.5
Malaria	2	28	1.1	3	47	1.6
Measles	5	36	1.1	4	17	1.6
Meningococcal disease <sup>7</sup>	57	375	14.7	87	381	17.1
Mumps	1	35	1.6	4	39	1.4
Paratyphoid	1	10	0.3	2	14	0.6
Pertussis	61	364	20.0	110	684	25.2
Rheumatic fever	29	104	3.5	8	65	2.1
Rickettsial disease	1	1	0.1	2	4	0.2
Rubella	6	19	0.6	5	28	0.9
Salmonellosis	107	969	40.0	86	1353	61.9
SARS	0	1	0	0	0	0
Shigellosis	3	63	2.4	8	87	3.3
Tetanus	0	2	0.1	0	1	0.1
Tuberculosis	26	252	10.6	37	238	10.0
Typhoid	3	17	0.6	0	19	0.7
VTEC / STEC infection	5	73	2.5	6	54	2.0
Yersiniosis	35	270	11.3	30	325	12.9

**Notes:** <sup>1</sup> Other notifiable infectious diseases reported in August : Chemical Poisoning

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

Disease	Aug 2003	Jul 2003	Jun 2003	May 2003	Apr 2003	Mar 2003	Feb 2003	Jan 2003	Dec 2002	Nov 2002	Oct 2002	Sep 2002	Aug 2002
AIDS	1	5	3	2	1	2	4	4	0	2	0	4	1
Campylobacteriosis	1392	1068	750	710	767	1190	1266	1787	1273	1042	1162	1176	1124
Cryptosporidiosis	59	16	29	31	48	52	60	24	45	95	261	241	90
Dengue fever	1	3	3	15	10	7	7	8	1	9	0	0	8
Gastroenteritis <sup>2</sup>	40	73	120	112	75	97	64	49	143	68	154	69	69
Giardiasis	140	111	153	117	123	148	130	131	114	110	112	107	122
Haemophilus influenzae type b	3	2	1	1	1	1	0	2	0	0	0	0	0
Hepatitis A	7	5	5	4	2	8	12	6	3	8	3	2	2
Hepatitis B (acute) <sup>3</sup>	10	6	5	5	7	3	4	8	10	3	3	5	6
Hepatitis C (acute) <sup>3</sup>	3	4	2	1	6	2	0	4	5	3	1	7	7
Hydatid disease	0	0	0	0	0	0	0	0	1	0	0	0	1
Influenza <sup>4</sup>	264	645	72	6	0	5	0	0	0	1	22	103	136
Lead absorption	11	6	11	13	4	24	16	5	3	9	6	5	10
Legionellosis	3	8	8	8	6	2	4	5	4	5	1	4	3
Leprosy	0	0	0	1	0	0	1	0	0	1	0	0	0
Leptospirosis	9	5	8	6	7	9	8	16	8	14	10	13	6
Listeriosis	2	2	2	2	2	3	3	2	1	2	3	1	3
Malaria	2	5	3	3	2	1	9	3	2	3	3	6	3
Measles	5	5	5	9	2	7	0	3	0	2	2	0	4
Meningococcal disease <sup>5</sup>	57	92	52	41	30	28	41	34	33	28	42	72	87
Mumps	1	10	2	2	6	3	5	6	3	6	10	6	4
Paratyphoid	1	1	0	1	0	1	3	3	1	1	0	0	2
Pertussis	61	46	62	25	21	35	48	66	76	108	103	97	110
Rheumatic Fever	29	19	2	7	18	13	2	14	4	12	8	4	8
Rickettsial disease	1	0	0	0	0	0	0	0	0	0	0	2	2
Rubella	6	3	2	0	1	1	3	3	2	1	1	1	5
Salmonellosis	107	72	79	105	132	149	167	158	123	135	138	131	86
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	3	15	7	10	9	3	6	10	9	4	8	4	8
Tetanus	0	0	1	0	1	0	0	0	0	0	0	0	0
Tuberculosis	26	35	30	31	38	27	30	35	36	34	46	28	37
Typhoid	3	2	1	2	0	2	6	1	1	0	3	0	0
VTEC/STEC infection	5	6	3	19	19	10	8	3	5	3	5	6	6
Yersiniosis	35	35	18	21	18	44	43	56	31	49	45	26	30

**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 - August 2003

Cases this month

Current rate<sup>1</sup>

Disease	Cases for August 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	0	0	0	0
	0.7	1.9			0.6	0	0	0	0	0.7	0	0	0.3	0	0	0.8	0.3	4.4	0	0	0
Campylobacteriosis	33	157	140	108	160	39	61	10	44	79	21	27	73	138	15	24	6	200	13	29	15
	197.7	406.5	416.1	340.0	405.7	355.2	259.9	277.4	334.9	355.3	267.3	175.5	417.1	568.6	306.2	230.3	297.1	406.0	392.2	305.1	329.9
Cryptosporidiosis	4	2	2	3	22	2	3	0	0	2	3	3	0	3	2	2	0	3	3	0	0
	8.6	5.8	6.3	5.6	40.0	32.3	12.3	13.6	34.9	43.2	33.0	35.5	19.7	65.5	26.2	20.4	56.1	26.9	79.6	48.0	40.6
Dengue fever	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	1.9	6.3	1.3	1.0	3.1	1.1	0	0	0	0	0	2.0	2.8	2.6	0	0	1.9	0	0	1.9
Gastroenteritis	0	5	2	6	0	1	1	0	3	0	0	0	3	6	1	0	0	11	0	1	0
	16.4	24.9	34.3	17.8	17.0	38.5	2.8	36.4	9.7	2.8	11.0	0.6	27.3	37.4	39.3	27.8	6.6	62.3	132.6	25.2	47.4
Giardiasis	0	16	27	9	11	10	12	1	1	6	5	3	2	19	0	6	3	6	1	1	1
	17.1	40.3	64.7	32.0	53.2	50.0	41.5	22.7	10.7	58.5	31.4	36.1	26.5	63.4	15.7	31.8	33.0	33.7	24.6	28.1	17.4
H. influenzae type b disease	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.0	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	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
	1.4	1.9	4.4	2.9	1.3	2.0	1.1	1.0	0	2.8	0	0	0.8	2.8	0	0	0	0.9	1.9	2.0	0
Hepatitis B	1	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	2.1	1.6	3.0	1.3	2.2	2.1	1.7	9.1	1.9	1.4	3.1	2.0	3.0	3.0	7.9	2.4	0	0.7	1.0	1.0	1.0
Hepatitis C	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	1.4	0.2	1.9	0.3	0.3	2.1	3.4	1.0	0	2.1	2.0	3.2	0	1.2	0	0	6.6	2.0	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	1	0	2	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	2	0	2
	2.1	1.2	3.3	0.8	4.4	0	1.0	1.0	6.8	5.6	3.1	7.1	0	3.7	10.5	3.3	0	2.8	5.7	5.9	3.9
Legionellosis	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	2.3	2.2	7.0	0.3	0	2.8	0	1.9	2.1	1.0	0	2.3	2.8	5.2	0	1.0	0.9	0	1.2	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	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	2	0	0	0	1	1	0	1	0	0	0	4	0	0	0	0	0
	4.3	0.7	1.0	1.3	5.0	1.0	2.8	9.1	5.8	11.1	6.3	6.5	0	0	2.6	13.9	0	2.1	3.8	3.5	1.0
Listeriosis	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	2.0	0.9	1.4	2.0	0.6	0	1.1	0	0	0	0	2.6	0.8	1.0	0	0	0	0.5	0	0	0
Malaria	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.4	0.8	1.3	1.6	1.0	1.1	0	1.0	0.7	1.6	0.6	3.0	0.8	0	0	0	1.9	0	2.0	1.0
Measles	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	0	0
	0	3.0	1.0	2.0	0.3	0	1.0	0	0	1.4	1.0	7.0	3.8	1.2	0	4.9	3.3	1.4	1.0	0	0
Meningococcal disease <sup>5</sup>	4	3	4	5	5	5	8	0	1	0	2	2	2	4	0	0	0	2	0	7	3
	28.5	10.5	17.1	22.6	11.3	50.0	29.2	9.1	6.8	13.2	20.4	5.2	12.1	10.2	5.2	0	13.2	7.3	11.4	19.9	11.6
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5.7	1.2	1.1	1.1	0.9	1.0	1.7	0	1.0	2.8	1.0	0	0.8	0	2.6	4.1	3.3	1.4	0	6.4	1.0
Paratyphoid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0.9	1.1	0.3	0	0	0	0	0	0.7	0	0	0	0	0	0	0	1.0	0	0.6	0
Pertussis	1	6	0	6	9	0	0	1	0	13	0	0	3	2	0	0	0	13	7	0	0
	5.0	17.9	6.8	6.4	23.0	5.2	11.2	1.0	20.4	35.5	72.3	21.9	34.1	9.4	7.9	64.5	89.1	28.8	89.0	2.3	12.6
Rheumatic fever	1	3	6	12	0	0	4	0	0	2	1	0	0	0	0	0	0	0	0	0	0
	3.6	2.6	5.7	13.3	2.5	4.0	4.5	4.5	0	4.9	3.1	1.3	3.0	2.0	2.6	0.8	0	0.2	0	0	0
Rickettsial disease	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.5	0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0
	1.0	0	0.3	1.0	0	0	0.6	2.3	0	3.5	0	1.0	0	1.6	2.6	1.6	16.5	1.0	0	0	0
Salmonellosis	0	8	12	20	10	2	2	2	2	4	4	1	2	10	2	3	1	12	3	5	2
	28.5	37.7	40.8	33.6	50.4	32.3	30.9	56.9	26.2	47.4	48.7	30.3	34.1	45.1	47.1	28.6	26.4	46.6	51.2	38.1	63.8
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	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	1.4	2.8	7.6	2.9	1.6	0	0	0	0	2.1	1.6	0	0.8	2.0	5.2	1.6	0	2.6	0	2.9	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	6	4	2	2	1	2	0	1	2	0	0	0	3	0	0	0	1	0	1	0
	3.0	26.0	39.0	30.0	7.0	1.0	9.0	0	2.0	7.0	1.0	0	8.0	16.0	0	1.0	1.0	2.0	2.0	3.0	1.0
Typhoid	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0.2	1.6	2.1	0	0	0	0	0	0	0	0	1.5	1.2	0	0	0	0.2	0	0	0
VTEC / STEC	0	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	5.7	0.9	2.0	1.3	6.0	2.1	3.9	0	4.0	1.4	1.6	1.9	0	1.2	0	2.0	1.0	2.6	17.1	3.5	2.9
Yersiniosis	0	6	8	1	2	0	2	3	1	0	0	0	0	0	0	1	0	9	1	0	1
	3.6	17.0	15.8	6.7	14.8	8.3	8.4	22.7	3.9	9.8	6.3	3.2	9.9	12.6	20.9	1.0	52.8	12.4	24.6	7.0	5.8

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