
MONTHLY SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 4 September 2007. 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

- *Cryptosporidiosis*: 67 cryptosporidiosis cases were notified in August 2007 compared to 58 cases notified at the same time last year (Figure 1). Three cases were hospitalised. Waikato DHB reported the highest number of cases (30). Among the cases for whom this information was recorded, 80.8% (21/26) had contact with farm animals, 64.7% (11/17) had consumed untreated water, 42.9% (6/14) had contact with sick animals, 37.5% (3/8) had consumed food from a food premise, 18.8% (3/16) had faecal contact, 18.2% (2/11) had recreational water contact, 8.8% (3/34) had been overseas, and 6.3% (1/16) had contact with other symptomatic people during the incubation period.
- *Haemophilus influenzae type b*: two cases of *Haemophilus influenzae* type b were notified in August 2007. One case aged 70+ years, was confirmed and the other case, aged less than one year, was a probable case. Both cases were hospitalised. The probable case was hospitalised with septicaemia and pneumonia. Neither case had been vaccinated against the disease.
- *Listeriosis*: two cases of listeriosis of which one was perinatal were notified in August 2007, bringing the year to date total to 15. The cases were aged 30-39 years and 60-69 years from Taranaki and MidCentral DHBs respectively. The perinatal case occurred at 21 weeks of gestation resulting in death of the foetus. The MidCentral case had an underlying illness. The source was not identified for either case.

- *Meningococcal disease:* based on the earliest date available¹, 11 cases of meningococcal disease were notified during August 2007, of which nine (81.8%) were laboratory-confirmed. In comparison, 23 cases were notified the previous month, July 2007, and 17 cases were notified during the same month last year, August 2006. For the 12 month period ending 31 August 2007, Northland DHB recorded the highest incidence rate of 7.4 per 100 000 population (11 cases), followed by Tairāwhiti (6.7 per 100 000, 3 cases), and Hawke's Bay (6.0 per 100 000, 9 cases). The highest age-specific incidence rate was in infants aged less than one year (47.3 per 100 000 population, 27 cases), followed by those in the 1-4 years age group (16.0 per 100 000 population, 36 cases), and those in the 15-19 years age group (5.1 per 100 000 population, 16 cases).
- *Mumps:* seven cases of mumps were notified in August 2007 compared to four notified cases in the same month of the previous year (Figure 2). The cases were reported from Counties Manukau (3), Capital and Coast (2), Waitemata (1), and Auckland (1) DHBs. The cases were in the following age groups: 1-4 years (4), 10-14 years (2), and 20-29 years (1). Three cases were reported as partially immunised receiving one dose of MMR (two cases aged 1-4 years and one case aged 10-14 years).
- *Rickettsial disease:* one confirmed case was notified in August 2007 bringing the year to date total to two. The case was notified from Waitemata DHB aged 60-69 years. The travel history of the case is unknown.

¹ 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.

2. Outbreaks

Completed outbreak reports

Three outbreak reports were entered into EpiSurv and completed during August 2007. These are summarised in the table below.

Summary of completed outbreaks reported to ESR during August 2007

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Mycobacterium tuberculosis</i>	Wellington	1	4
Norovirus	Auckland, Canterbury	2	36
Total		3	40

Interim outbreak reports

The following interim outbreaks have been reported. The status of the outbreak and cases involved are subject to change, as more data becomes available.

Summary of interim outbreaks reported to ESR during August 2007

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Cryptosporidium</i> spp.	Auckland	1	2
Gastroenteritis	Auckland, Waikato, Ruapehu, Tauranga, Wellington, West Coast, Canterbury, Otago,	21	150
<i>Mycobacterium tuberculosis</i>	Hawke's Bay	1	20
Norovirus	Auckland	1	10
Total		24	182

3. Deaths from notifiable diseases

One foetal death was reported for the month of August.

Disease	District Health Board	Age group	Sex
Listeriosis - perinatal	Taranaki	N/A	N/A

4. Trends in selected diseases to August 2007

Figure 1: Cryptosporidiosis notifications by month by year, January 2003 – August 2007

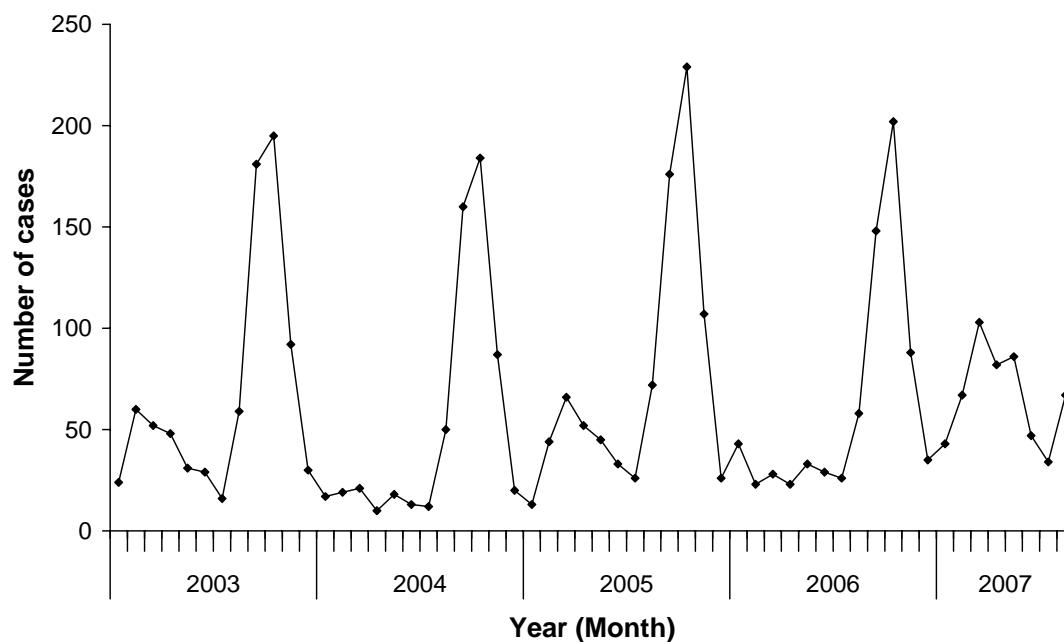
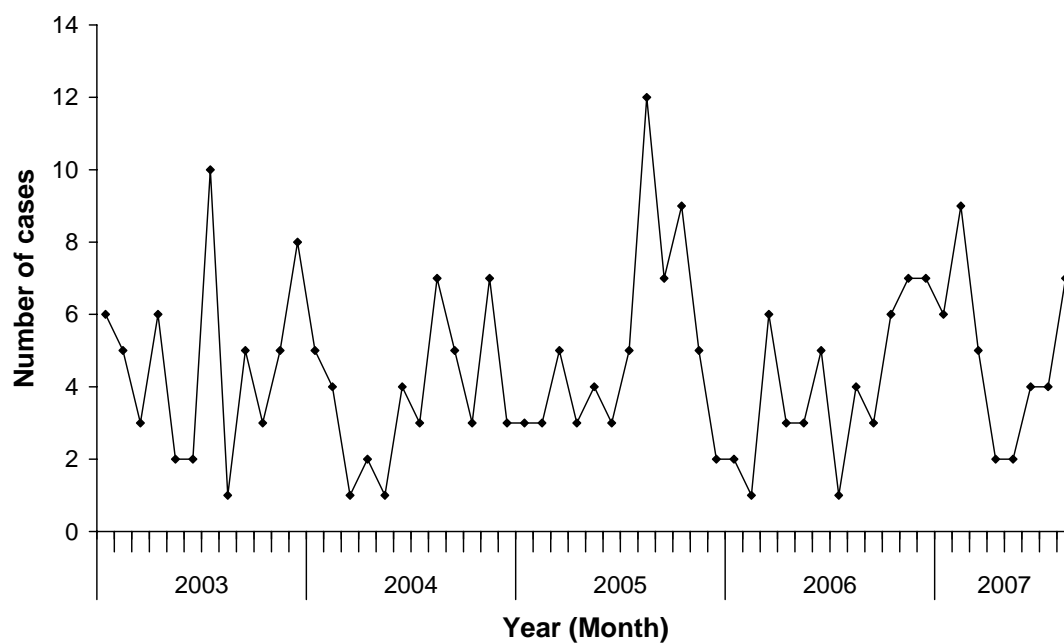


Figure 2: Mumps notifications by month by year, January 2003 – August 2007



5. Data Tables

National Surveillance data August-2007

Disease	Current Year - 2007 ¹			Previous Year - 2006		
	August- 2007 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	August- 2006 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	859	8809	348.7	1216	10247	393.3
Cryptosporidiosis	67	529	24.2	58	264	19.4
Dengue fever	1	99	2.6	0	10	0.3
Gastroenteritis	53	402	15.2	65	709	20.6
Giardiasis	128	993	32.8	106	851	29.7
Haemophilus influenzae type b	2	14	0.3	0	9	0.3
Hepatitis A	4	29	1.2	9	102	3.0
Hepatitis B ⁴	6	52	1.8	3	42	1.6
Hepatitis C ⁴	5	25	0.9	5	22	0.7
Hydatid disease	0	2	0.0	0	0	0.0
Lead absorption	5	46	1.6	8	59	1.9
Legionellosis	3	53	1.6	5	38	1.6
Leprosy	0	4	0.1	0	2	0.1
Leptospirosis	5	55	1.9	11	63	2.2
Listeriosis	2	15	0.5	3	12	0.5
Malaria	2	14	0.5	7	22	0.6
Measles	3	17	0.6	2	12	0.5
Meningococcal disease ⁵	14	74	3.0	18	108	4.0
Mumps	7	39	1.5	4	25	1.2
Paratyphoid fever	0	13	0.6	0	13	0.4
Pertussis	28	236	12.0	120	858	41.6
Rheumatic fever	6	50	1.7	6	87	2.8
Rickettsial disease	1	2	0.1	1	6	0.1
Rubella	1	7	0.3	1	4	0.2
Salmonellosis	88	839	30.4	84	916	34.4
Shigellosis	8	93	2.9	10	74	4.2
Tetanus	0	1	0.0	0	1	0.0
Tuberculosis disease	28	194	8.3	31	204	7.3
Typhoid fever	3	39	1.6	2	16	0.5
VTEC/STEC infection	8	64	2.1	6	66	2.2
Yersiniosis	57	351	13.2	49	292	10.6

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including August 2007 or the previous year (12 months up to and including August 2006), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

⁵ These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date as used in the meningococcal disease section

		Cases ¹ and current rate ² for August 2007by District Health Board ³																						
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland	Unknown	
Campylobacteriosis	Cases	32	114	114	88	108	25	23	0	33	25	13	19	33	83	6	25	6	71	12	15	14	0	
	Rate	237.2	399.4	366.1	296.2	343.2	315.0	292.9	125.8	442.2	317.5	347.8	216.2	364.9	424.6	198.9	322.6	301.4	416.8	453.4	367.8	310.1	0.0	
Cryptosporidiosis	Cases	3	2	3	5	30	0	1	0	0	2	0	5	2	2	0	4	2	4	1	1	0	0	
	Rate	16.0	15.4	11.8	14.3	52.3	21.7	16.6	4.5	17.1	21.3	37.0	47.8	46.2	31.5	66.3	20.5	39.3	16.5	61.6	21.3	28.4	0.0	
Dengue fever	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.7	3.8	6.5	7.2	1.5	0.0	2.5	0.0	1.9	0.7	1.6	0.0	0.0	1.4	2.5	2.9	3.3	0.6	0.0	0.5	0.0	0.0	
Gastroenteritis	Cases	0	9	7	5	2	2	2	0	2	0	0	0	1	8	1	1	0	9	1	0	3	0	
	Rate	2.7	16.2	17.4	11.3	10.2	9.8	5.0	0.0	7.6	10.0	4.8	36.1	16.6	20.8	15.3	5.1	22.9	31.4	11.2	6.6	10.1	0.0	
Giardiasis	Cases	3	7	16	10	14	3	11	0	0	4	2	6	6	19	0	2	1	11	0	10	3	0	
	Rate	42.8	27.9	43.2	22.6	39.1	35.4	33.7	27.0	9.5	29.2	25.8	25.7	27.5	43.0	30.6	62.2	22.9	25.5	24.3	36.1	38.4	0.0	
Haemophilus influenzae type b	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.8	0.0	0.7	0.3	0.0	0.5	0.0	0.0	2.0	0.0	0.6	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hepatitis A	Cases	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	
	Rate	0.7	2.8	1.4	2.5	0.3	0.0	1.5	0.0	1.9	2.7	1.6	0.6	0.7	0.4	0.0	0.0	0.0	0.4	0.0	0.0	1.8	0.0	
Hepatitis B	Cases	0	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	
	Rate	0.0	2.8	1.6	2.5	1.2	0.0	1.0	2.2	2.9	4.0	0.0	0.0	2.9	1.1	0.0	2.2	0.0	2.7	1.9	0.5	0.0	0.0	
Hepatitis C	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	
	Rate	0.7	0.4	0.5	0.2	0.3	2.0	0.5	0.0	2.9	0.0	0.0	0.0	0.7	2.5	0.0	0.0	3.3	2.7	0.0	1.1	0.0	0.0	
Highly Pathogenic Avian Influenza	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	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	0.0	
Hydatid disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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	Cases	0	0	0	1	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	
	Rate	0.0	1.0	0.5	0.5	1.8	3.9	3.0	4.5	1.9	2.0	3.2	3.7	2.2	2.1	2.5	0.7	0.0	1.0	0.0	4.9	0.0	0.0	
Legionellosis	Cases	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.3	2.0	1.4	1.4	0.0	1.0	0.5	24.7	1.9	1.3	0.0	1.2	0.0	1.8	5.1	1.5	3.3	1.9	0.0	1.6	1.8	0.0	
Leprosy	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Leptospirosis	Cases	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	1	0	
	Rate	6.7	0.2	0.0	0.2	2.3	0.0	1.5	2.2	5.7	4.6	8.1	5.5	0.0	0.0	7.6	2.9	13.1	1.9	5.6	1.6	2.7	0.0	
Listeriosis	Cases	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Rate	2.7	0.2	0.7	0.9	0.3	0.0	0.5	0.0	1.0	0.0	0.0	0.6	0.7	0.4	0.0	0.0	0.0	0.0	1.9	1.1	0.9	0.0	
Malaria	Cases	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	1.4	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.5	0.7	0.0	0.2	1.9	0.0	0.0	0.0	
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	
	Rate	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	1.9	0.7	0.0	0.6	1.4	1.4	0.0	1.5	16.4	1.3	0.0	0.0	0.0	0.0	
A Yb]b[cV&WU' X]gYUgY	Cases	1	1	2	1	3	0	1	0	0	2	0	0	0	0	1	0	0	1	0	1	0	0	
	Rate	7.4	1.4	2.3	5.0	5.8	1.0	1.5	6.7	1.9	6.0	0.0	1.8	5.1	2.9	2.5	0.0	0.0	1.9	1.9	3.8	1.8	0.0	
Mumps	Cases	0	1	1	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
	Rate	0.0	1.2	1.6	2.5	0.9	3.0	1.0	0.0	1.0	2.0	1.6	2.5	2.2	2.1	2.5	0.7	0.0	1.5	0.0	1.6	0.0	0.0	
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	0.5	2.0	0.9	0.0	0.5	0.0	1.0	0.7	0.0	0.6	0.7	0.0	0.0	0.7	0.0	0.2	0.0	0.5	0.0	0.0	
Pertussis	Cases	0	0	0	0	8	0	2	0	0	5	0	1	1	1	0	2	0	7	0	1	0	0	
	Rate	0.7	2.2	3.5	3.8	34.2	6.9	16.1	13.5	0.0	8.0	3.2	10.4	15.9	13.3	2.5	27.8	0.0	25.1	35.4	6.0	11.9	0.0	
Rheumatic fever	Cases	1	0	0	0	1	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	
	Rate	5.3	0.6	1.4	0.2	1.8	3.0	3.0	4.5	1.0	5.3	6.4	0.6	5.8	3.6	0.0	0.0	0.0	0.4	0.0	0.0	0.9	0.0	
Rickettsial disease	Cases	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	0.0	0.0	0.3	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	0.0	
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
	Rate	0.0	0.2	0.2	0.0	0.0	0.0	0.0																

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including August 2007 expressed as cases per 100 000

³ Further data are available from the local Medical Officer of Health

‘H\YgY’hc‘U’g UbX’fUH’gUFY’XYf]j YX Zfca ‘h\Y’9d]Gi’fj ‘fYdcfhXUH’Ug’cddcgYX’hc’h\Y