
MONTHLY SURVEILLANCE REPORT

Data contained within this February monthly report is based on information recorded on EpiSurv by public health service staff up until 7 March 2005. 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*: there were 1288 cases of campylobacteriosis notified during February 2005, bringing the year to date total to 2635. In contrast, 1074 cases were notified during February last year. Canterbury DHB reported the highest number of cases (197). For the previous 12 months, South Canterbury reported the highest current incidence rate of 606.3 per 100 000 population (55 cases) compared to a national rate of 328.8 per 100 000 population. Three outbreaks were reported this month from Canterbury, Hutt, and Auckland health districts involving 10 cases.
- *Cryptosporidiosis*: a total of 44 cases of cryptosporidiosis were notified during February 2005 compared to 19 cases notified at the same time last year. Canterbury DHB reported the highest number of cases (12). For the previous 12 months, Waikato DHB had the highest current incidence rate of 40.9 per 100 000 population (4 cases) compared to a national rate of 16.9 per 100 000 population. Among the cases for whom this information was recorded, 85.7% (6/7) had recreational water contact, 40.0% (2/5) had consumed untreated water, 33.3% (2/6) had faecal contact, 20.0% (1/5) had contact with farm animals, 20.0% (1/5) had consumed nonhabitual water supply during the incubation period. One outbreak was reported this month from Auckland health district involving two cases.
- *Meningococcal disease*: based on earliest¹ date available, 14 cases of meningococcal disease were notified during February 2005, of which 10 (71.4%) were laboratory-confirmed. In comparison, 22 cases were notified the previous month, and 13 cases were notified during February 2004. For the previous 12 months, Tairāwhiti DHB recorded the highest current rate of 29.6 per 100 000 population (13 cases). Waitemata recorded the highest number of cases (48) with a current rate of 11.2 per 100 000 population. The rate of

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 in this section.

disease was highest amongst infants aged less than one year (84.2 per 100 000 population), followed by children in the 1-4 years age group (44.4).

- *Pertussis*: during February 2005, 337 cases were notified, a 55.0% decrease compared with the peak of 613 cases in November 2004 (Figure 1). Of the 337 February 2005 cases, 93 (27.6%) were laboratory-confirmed and 15 cases (6.0%, 15/249) had been hospitalised. Canterbury DHB had the highest number of cases (99). For the previous 12 months, Southland DHB had the highest current incidence rate of 694.8 per 100 000 population (35 cases), compared to a national rate of 107.3 per 100 000 population. The current rate by age group was highest amongst infants aged less than one year (367.8 per 100 000 population), followed by the children in the 5-9 years age group (247.0), and children in the 10-14 years age group (224.9).
- *Salmonellosis*: there were 139 salmonellosis cases notified in February 2005, compared with 97 cases at the same time last year. The ESR Enteric Reference Laboratory (ERL) identified 151 human cases from *Salmonella* isolates received during February 2005. The predominant types identified were *S. Typhimurium* phage type 160 (18 cases), *S. Typhimurium* 1 (15), *S. Typhimurium* 101 (10), *S. Saintpaul* (10), and *S. Infantis* (10). Six outbreaks were reported this month from Auckland (5 outbreaks, 14 cases) and Wairarapa (1 outbreak, 7 cases) health districts.
- *Tetanus*: one case in the 70+ years age group was notified based on clinical grounds from Bay of Plenty DHB. The case cut himself with a saw and was hospitalised. The case cannot remember ever having been immunised.

2. Deaths from notifiable diseases

The table below shows the deaths from notifiable diseases in February. Three deaths were reported this month.

Disease	District Health Board	Age group	Sex
Listeriosis - perinatal	Counties Manukau	-	-
Meningococcal disease	Canterbury	50-59 years	F
Tuberculosis disease - new case	Counties Manukau	40-49 years	M

3. Trends in selected diseases to February 2005

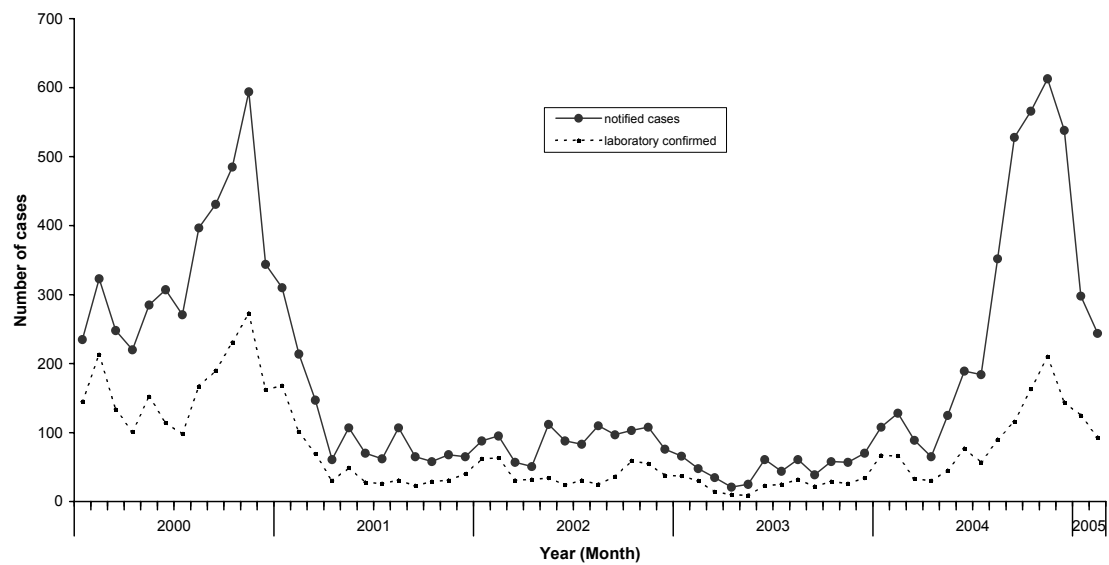


Figure 1: Pertussis notifications and laboratory confirmed cases by month, January 2000-February 2005

4. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2005 ²			Previous year - 2004		
	Feb 2005 cases	Cumulative total since 1 January	Current rate ³	Feb 2004 cases	Cumulative total since 1 January	Previous rate ³
AIDS	6	11	1.2	4	7	0.8
Campylobacteriosis	1288	2635	328.8	1074	2569	382.8
Cryptosporidiosis	44	57	16.9	19	36	20.6
Dengue fever	3	4	0.2	1	3	1.2
Gastroenteritis ⁴	36	112	34.4	72	188	29.5
Giardiasis	116	195	37.8	156	299	43.0
<i>H. influenzae</i> type b disease	0	0	0.1	0	0	0.3
Hepatitis A	7	11	1.3	7	13	1.7
Hepatitis B (acute) ⁵	2	7	0.9	8	11	1.6
Hepatitis C (acute) ⁵	2	5	0.6	7	7	1.2
Hydatid disease	0	0	0	0	0	0
Influenza ⁶	4	5	23.7	4	7	28.3
Lead absorption	5	8	2.3	7	17	3.1
Legionellosis	8	16	1.7	11	15	2.2
Leprosy	0	1	0.1	0	0	0.1
Leptospirosis	7	15	2.7	8	16	2.8
Listeriosis	3	6	0.7	4	7	0.7
Malaria	5	9	0.9	6	9	1.2
Measles	3	3	0.8	1	6	1.9
Meningococcal disease ⁷	15	35	9.3	11	30	13.3
Mumps	4	7	1.2	4	9	1.4
Paratyphoid	3	6	0.8	3	3	0.4
Pertussis	337	760	107.3	128	236	18.9
Rheumatic fever	7	9	1.8	12	15	4.0
Rickettsial disease	0	0	0.1	0	0	0
Rubella	2	2	0.6	1	4	0.6
Salmonellosis	139	223	28.6	97	239	35.2
SARS	0	0	0	0	0	0
Shigellosis	11	19	3.7	8	22	2.5
Tetanus	1	1	0.1	0	0	0.1
Tuberculosis	27	50	10.2	26	45	10.8
Typhoid	2	7	0.8	5	8	0.6
VTEC / STEC infection	8	13	2.0	16	29	3.3
Yersiniosis	37	77	10.4	45	110	12.0

Notes: ¹ Other notifiable infectious diseases reported in February : Ross River virus infection, Toxic Shellfish Poisoning

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including February 2005) or the previous year (12 months up to and including February 2004), expressed as cases per 100 000

⁴ Cases of gastroenteritis from a common source or foodborne intoxication. Eg: staphylococcal intoxication

⁵ Only acute cases of this disease are currently notifiable

⁶ Surveillance data based on laboratory-reported cases only

⁷ 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 February 2005 and preceding 12 month

Disease	Feb 2005	Jan 2005	Dec 2004	Nov 2004	Oct 2004	Sep 2004	Aug 2004	Jul 2004	Jun 2004	May 2004	Apr 2004	Mar 2004	Feb 2004
AIDS	6	5	6	3	5	4	3	4	2	0	3	2	4
Campylobacteriosis	1288	1347	1389	1278	928	919	912	828	844	670	680	1206	1074
Cryptosporidiosis	44	13	20	87	185	160	50	12	13	18	10	21	19
Dengue fever	3	1	0	0	0	0	0	0	2	0	0	3	1
Gastroenteritis ²	36	76	83	128	134	105	91	88	147	113	199	86	72
Giardiasis	116	79	111	143	104	102	106	134	131	121	118	149	156
Haemophilus influenzae type b	0	0	1	0	0	1	0	1	1	0	0	0	0
Hepatitis A	7	4	3	1	2	2	4	5	2	6	6	5	7
Hepatitis B (acute) ³	2	5	2	2	1	2	4	7	2	4	1	2	8
Hepatitis C (acute) ³	2	3	1	1	2	1	1	3	0	3	0	5	7
Hydatid disease	0	0	0	1	0	0	0	0	0	0	0	0	0
Influenza ⁴	4	1	0	21	153	626	57	13	6	2	2	0	4
Lead absorption	5	3	7	9	7	7	8	8	7	10	6	10	7
Legionellosis	8	8	2	7	4	2	5	4	4	8	7	4	11
Leprosy	0	1	0	0	1	0	0	1	0	0	1	0	0
Leptospirosis	7	8	6	5	6	10	9	7	10	10	11	13	8
Listeriosis	3	3	2	2	2	2	2	1	1	1	2	4	4
Malaria	5	4	2	3	1	2	3	3	1	3	4	2	6
Measles	3	0	8	2	3	1	1	1	1	2	5	3	1
Meningococcal disease ⁵	15	20	18	27	36	54	38	35	25	29	23	29	11
Mumps	4	3	3	7	3	5	7	3	4	1	2	1	4
Paratyphoid	3	3	0	2	2	5	0	3	2	2	5	4	3
Pertussis	337	423	538	613	566	528	352	184	189	125	65	89	128
Rheumatic Fever	7	2	3	6	9	3	11	4	11	3	5	5	12
Rickettsial disease	0	0	0	0	0	0	1	0	0	1	0	0	0
Rubella	2	0	3	2	1	3	2	1	1	3	1	3	1
Salmonellosis	139	84	80	96	92	71	91	62	74	81	85	114	97
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	11	8	11	22	6	8	19	10	10	12	9	11	8
Tetanus	1	0	0	0	0	1	0	0	0	0	0	0	0
Tuberculosis	27	23	42	32	38	29	39	29	27	35	25	34	26
Typhoid	2	5	0	1	3	5	0	3	6	2	1	2	5
VTEC/STEC infection	8	5	6	7	6	8	9	4	6	5	3	6	16
Yersiniosis	37	40	27	26	25	19	28	32	38	43	34	40	45

Notes: ¹ Later data are provisional

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

³ Only acute cases of this disease are currently notifiable

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Surveillance data by District Health Board - February 2005

Cases this month

Current rate¹

Disease	Cases for February 2005, ² and current rate ^{1,2} by District Health Board ^{3,4}																				
	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 ⁵	0	5			0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0
	1.4	2.5			0.3		0	0.6	0	0	1.4	0	0.8		0	0.8	0.8	4.4	0	0	1.0
Campylobacteriosis	22	157	122	112	100	22	31	17	26	47	9	30	35	89	7	41	9	197	55	88	72
	239.0	382.1	383.7	301.2	367.9	255.3	233.5	225.3	272.7	293.9	202.8	178.7	328.4	366.9	185.9	239.2	277.6	335.8	606.3	404.1	488.7
Cryptosporidiosis	0	4	4	2	4	6	0	1	0	4	0	0	0	0	0	2	0	12	0	3	2
	17.8	6.3	4.4	5.9	40.9	38.5	5.6	13.7	13.6	18.8	28.3	36.1	5.3	7.7	39.3	16.3	23.1	19.7	39.8	28.1	23.2
Dengue fever	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	0.7	0	0	0	1.6	0	0	0	0	0	0	1.3	0	0.4	0	0	0	0	0	0	0
Gastroenteritis	0	6	1	2	0	0	0	0	0	1	2	0	2	9	0	1	0	6	1	1	4
	0.7	20.9	22.6	14.9	138.5	52.1	0.6	0	6.8	5.6	17.3	70.3	23.5	27.7	20.9	13.1	16.5	49.2	9.5	36.3	24.2
Giardiasis	0	11	16	9	12	4	9	2	1	4	3	7	2	11	2	5	0	11	0	6	1
	30.0	40.5	56.0	29.3	51.6	44.8	33.1	52.3	17.5	38.3	34.6	31.0	32.6	56.1	39.3	35.1	29.7	31.8	15.2	19.9	23.2
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
	0	0	0	0.3	0.3	0	0	0	0	0	0	0	0.8	0	0	0	0	0.2	0	0	0
Hepatitis A	0	1	1	1	0	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0
	0	1.9	2.4	3.5	0	2.1	0.6	0	2.9	0.7	0	0.6	0	1.2	0	0.8	3.3	0.5	0	0.6	1.0
Hepatitis B	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	1.4	0.5	1.9	1.9	1.0	0.6	0	1.0	0.7	0	0	0	0.8	0	0.8	0	0.9	0	0	0
Hepatitis C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	0.7	0.2	0.8	0.3	0	1.0	0.6	4.6	0	0	0	0	0	0	5.2	1.6	9.9	1.2	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	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	0	2	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	1.4	1.6	1.4	0.5	3.5	2.1	0.6	6.8	2.9	1.4	6.3	2.6	1.5	1.6	2.6	0.8	3.3	2.6	3.8	7.6	5.8
Legionellosis	0	6	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.1	3.0	2.7	1.3	1.3	0	3.4	2.3	1.9	0	1.6	1.3	3.0	1.6	2.6	0.8	0	0.9	1.9	0.6	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	0	0.3	0	0	0	0	0	0	0	0	0.8	0.4	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	1	0	1	0	1	2	1	0	0	0	0	1	0	0	0	0	0
	0.7	0.2	0.3	0.5	4.7	3.1	3.4	6.8	1.9	14.6	4.7	9.0	0	0.4	0	4.1	16.5	1.4	1.9	0.6	10.6
Listeriosis	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	1.1	1.1	0.6	2.1	1.1	0	0	0.7	0	0.6	0.8	0.8	2.6	0.8	0	0	0	1.2	1.0
Malaria	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	0	1.2	1.6	0.8	1.6	0	0	0	0	0.7	0	0	0.8	1.6	0	0	0	1.2	0	0.6	1.9
Measles	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	0	0.7	0.3	0.3	0.3	1.0	1.1	0	1.0	1.4	1.6	1.9	1.5	0	2.6	0.8	9.9	1.4	0	0	1.0
Meningococcal disease ⁵	1	3	1	1	3	1	0	0	0	1	0	1	0	0	0	0	0	3	0	0	0
	15.0	11.2	9.2	12.5	7.9	17.7	7.3	29.6	4.9	11.1	9.4	11.0	3.0	6.9	5.2	4.1	6.6	7.0	3.8	10.5	6.8
Mumps	0	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	2.1	0.5	0.8	1.3	0.6	0	0.6	2.3	0	1.4	9.4	1.3	0.8	1.6	2.6	2.4	0	0.5	3.8	1.2	1.0
Paratyphoid	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	0.5	0.8	1.6	0.9	3.1	0.6	0	0	1.4	0	0	0.8	0.8	0	0.8	0	1.2	0	0	1.0
Pertussis	2	12	8	15	49	11	11	1	8	2	1	9	5	11	4	20	6	99	10	18	35
	42.1	22.8	25.3	22.6	174.4	97.9	70.2	54.6	19.4	23.7	3.1	36.1	46.3	35.8	15.7	440.9	59.5	207.2	217.9	195.6	694.8
Rheumatic fever	1	0	0	0	0	0	0	0	0	1	0	0	1	4	0	0	0	0	0	0	0
	7.1	0	1.1	4.8	2.2	1.0	4.5	6.8	0	4.2	0	0	1.5	4.1	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	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0
Rubella	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	1.4	0.5	0	0.3	0	0	0.6	0	2.9	2.1	1.6	0	1.5	0.4	0	0.8	6.6	0.7	0	0	0
Salmonellosis	2	12	8	14	9	0	4	3	3	7	1	4	2	7	14	9	2	23	5	7	3
	21.4	22.6	26.9	22.6	31.8	19.8	26.9	9.1	30.1	34.1	29.9	14.2	15.9	27.7	55.0	31.8	26.4	34.2	47.4	41.0	64.8
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	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	0	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1.4	3.5	5.7	6.4	2.2	0	1.1	0	0	0	4.7	0	9.9	2.8	7.9	1.6	3.3	7.3	0	2.9	1.0
Tetanus	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	0.3	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	5	5	2	4	0	2	0	1	0	0	0	1	3	0	0	1	2	1	0	0
	5.0	11.4	18.5	17.6	10.1	2.1	4.5	2.3	4.9	17.4	1.6	9.7	8.3	19.5	10.5	4.1	9.9	4.4	3.8	3.5	2.9
Typhoid	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	1.4	4.8	0.3	0	0.6	0	0	0	0	0	2.3	0	0	0.8	0	0	0	0	0
VTEC / STEC	0	0	0	0	2	0	2	1	0	1	0	0	0	0	0	0	0	1	0	1	0
	0.7	0.5	0.5	1.9	7.2	2.1	6.2	6.8	2.9	2.8	0	0	0.8	0	0	2.4	0	0.5	1.9	3.5	1.9
Yersiniosis	0	3	9	4	3	1	0	0	0	2	1	1	1	3	0	0	0	6	0	2	1
	2.1	12.6	15.2	8.8	14.5	6.3	6.2	11.4	6.8	12.5	12.6	7.7	14.4	11.0	2.6	2.4	52.9	9.4	15.2	7.0	3.9

1 Current rate is based on the cumulative total for the 12 months up to and including February 2005 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.