

APPENDIX: NATIONAL SURVEILLANCE DATA AND TRENDS

A. COMPARISON OF NOTIFIABLE DISEASE CASES AND RATES FOR 2003 AND 2002

Table 1. Cases and rates per 100 000 population of notifiable diseases in New Zealand during 2003 and 2002

Disease	2003		2002		Change
	Cases	Rates	Cases	Rates	
AIDS	33	0.9	17	0.5	↑
Brucellosis	1	0.0	2	0.1	↓
Campylobacteriosis	14786	395.6	12494	334.3	↑
Cholera	1	0.0	1	0.0	--
Creutzfeldt-Jakob disease	6	0.2	3	0.1	↑
Cryptosporidiosis	818	21.9	975	26.1	↓
Dengue fever	55	1.5	70	1.9	↓
Diphtheria	0	0.0	1	0.0	↓
Gastroenteritis ^b	1023	27.4	1087	29.1	↓
Giardiasis	1569	42.0	1547	41.4	↑
<i>H. influenzae</i> type b disease	13	0.3	3	0.1	↑
Hepatitis A	70	1.9	106	2.8	↓
Hepatitis B ^c	61	1.6	68	1.8	↓
Hepatitis C ^c	41	1.1	53	1.4	↓
Hydatid disease	0	0.0	2	0.1	↓
Lead absorption	119	3.2	91	2.4	↑
Legionellosis	78	2.1	49	1.3	↑
Leprosy	4	0.1	4	0.1	--
Leptospirosis	115	3.1	141	3.8	↓
Listeriosis	24	0.6	19	0.5	↑
Malaria	46	1.2	61	1.6	↓
Measles	66	1.8	21	0.6	↑
Meningococcal disease	543	14.5	555	14.9	↓
Mumps	57	1.5	64	1.7	↓
Paratyphoid	18	0.5	16	0.4	↑
Pertussis	589	15.8	1068	28.6	↓
Rheumatic fever	143	3.8	93	2.5	↑
Rickettsial disease	1	0.0	6	0.2	↓
Ross River virus infection	1	0.0	1	0.0	--
Rubella	28	0.7	33	0.9	↓
Salmonellosis	1401	37.5	1880	50.3	↓
Shigellosis	87	2.3	112	3.0	↓
Tetanus	2	0.1	1	0.0	↑
Toxic shellfish poisoning	4	0.1	1	0.0	↑
Tuberculosis disease	418	11.2	382	10.2	↑
Typhoid	20	0.5	23	0.6	↓
VTEC/STEC Infection	105	2.8	73	2.0	↑
Yersiniosis	439	11.7	476	12.7	↓

^a No cases of the following notifiable diseases were reported in 2003: anthrax, botulism, plague, poliomyelitis, rabies, cysticercosis, trichinosis, primary amoebic meningoencephalitis

^b Cases of gastroenteritis from a common source or foodborne intoxication e.g. staphylococcal intoxication

^c Only acute cases of this disease are currently notifiable

^d ↓ = Significant decrease, ↑ = Significant increase, -- = No change, ↓ = Not significant decrease, ↑ = not significant increase

^e The tests used to determine statistical significance were chi-square or Fisher's exact test where relevant. P-values less than or equal to 0.05 are considered to be significant at the 95% level of confidence.

B. INTERNATIONAL DISEASE RATE COMPARISON FOR 2002

Table 2. Incidence rates of notifiable diseases in New Zealand during 2002, compared with rates in other developed countries for the same year

Disease	New Zealand	Australia ^{a,b}	USA ^{c,d}	Canada ^{e,f}	England / Wales ^{g,h}
AIDS ^c	0.5	-	14.3	0.6	-
Campylobacteriosis	334.3	75.1	-	38.4	-
Cholera	0	0	0	0	0
Cryptosporidiosis	26.1	17.2	1.1	1.9	-
Dengue fever	1.9	1.1	-	-	-
Giardiasis	41.4	-	7.5	15.2	-
<i>H. influenzae</i> type b disease	0.1	0.2	0	0.2	-
Hepatitis A	2.8	2.0	3.1	1.4	2.7
Hepatitis B	1.8	1.2	2.9	2.0	2.1
Hepatitis C	1.4	1.7	0.7	53.6	2.6
Legionellosis	1.3	1.4	0.5	0.2	-
Leptospirosis	3.8	0.8	-	-	0
Listeriosis	0.5	0.3	0.2	-	-
Malaria	1.6	2.5	0.5	1.2	1.6
Measles	0.6	0.1	0	0	6.1
Meningococcal disease	14.9	3.5	0.6	0.7	1.4
Mumps	1.7	0.4	0.1	0.7	3.8
Paratyphoid	0.4	-	-	-	0.2
Pertussis	28.6	28.5	3.5	11.0	1.7
Ross River virus infection	0	7.7	-	-	-
Rubella	0.9	1.3	0	0.1	3.2
Salmonellosis	50.3	41.3	15.7	19.9	-
Shigellosis	3.0	2.6	8.4	4.5	-
Tetanus	0	0	0	0	0
Tuberculosis	10.2	5.1	5.0	-	13.0
Typhoid	0.6	0.4	0.1	0.3	0.2
VTEC/STEC infection	2.0	0.3	1.4	4.1	-

- Disease not notifiable or information was not available.

^a preliminary 2002 disease numbers (7).

^b population figure (18 769 249), 2001 census usual residence (9).

^c preliminary "cumulative" 2002 data (only up to 28 December 2002) published report (47).

^d Population figure (281 421 906) census 2000 (46).

^e Preliminary notifiable disease data (5).

^f Population (30 007 094) provided by Statistics Canada (3).

^g NOIDS Report (35).

^h Population figure 52 041 916 (England 49 138 831, Wales 2 903 085) census 2001 (2).

Note that data presented as international comparisons should be interpreted with caution due to differences in the surveillance systems from which the figures are obtained. Differences in data collection methods (e.g. through laboratory diagnosis and/or doctor notification) and data collected according to different case definitions (especially those diseases involving both acute and chronic cases such as hepatitis C), will result in rates of disease that are not necessarily comparable.

C. FATALITIES FOR 2002 AND 2003

Table 3. Fatal cases of notifiable diseases in 2002 and 2003 recorded in EpiSurv

Disease	2003			2002		
	No. of fatal cases	Total notified cases	Case-fatality rate	No. of fatal cases	Total notified cases	Case-fatality rate
AIDS	6	33	-	5	17	-
Campylobacter	0	14786	0%	1	12494	0.01%
Gastroenteritis	0	1023	0%	1	1087	0.1%
Creutzfeldt-Jakob disease	4	6	66.6%	3	3	100%
<i>H. influenzae</i> type b disease	2	13	15.4%	1	3	33.3%
Hepatitis B	0	61	0%	0	68	0%
Legionellosis	1	78	1.3%	3 ^b	49	5.9%
Listeriosis	4 ^a	23	17.4%	3 ^c	19	15.8%
Meningococcal disease	13	543	2.4%	18	555	3.2%
Pertussis	1	589	0.2%	1	1068	0.1%
Salmonellosis	0	1401	0%	1	1880	0.1%
Tetanus	0	2	0%	0	1	0%
Tuberculosis disease	6	418	1.4%	6	382	1.6%
Total	25	-	-	43	-	-

^a Two deaths occurred in perinatal cases and two in non perinatal cases.

^b One further death occurred in a laboratory-reported but non-notified case.

^c All three fatalities occurred in perinatal cases.

Note : The numbers in this table are those recorded in EpiSurv. Each case is checked to ensure the notifiable disease was the primary cause of death. Information on deaths is only known by Public Health Services when it occurs close to the time of notification and investigation.

D. NOTIFIABLE DISEASE CASES AND RATES BY ETHNICITY, 2003

Table 4. Cases and rates per 100 000 population in 2003 by ethnic group

Disease	Ethnicity								
	European		Maori		Pacific Peoples		Other Ethnicity		Unknown
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases
Campylobacteriosis	10110	387.3	705	134.0	176	87.9	599	239.8	3196
Cryptosporidiosis	602	23.1	59	11.2	10	5.0	20	8.0	127
Dengue fever	25	1.0	0	0.0	5	2.5	12	4.8	13
Gastroenteritis	686	26.3	59	11.2	12	6.0	44	17.6	222
Giardiasis	1032	39.5	73	13.9	13	6.5	120	48.0	331
<i>Haemophilus influenzae</i> type b	8	0.3	3	0.6	1	0.5	0	0.0	1
Hepatitis A	29	1.1	4	0.8	16	8.0	18	7.2	3
Hepatitis B	25	1.0	17	3.2	9	4.5	9	3.6	1
Hepatitis C	26	1.0	9	1.7	0	0.0	3	1.2	3
Lead absorption	93	3.6	5	1.0	1	0.5	0	0.0	20
Legionellosis	52	2.0	6	1.1	4	2.0	1	0.4	15
Leptospirosis	76	2.9	13	2.5	1	0.5	5	2.0	20
Listeriosis	14	0.5	2	0.4	5	2.5	2	0.8	1
Malaria	22	0.8	1	0.2	2	1.0	17	6.8	4
Measles	45	1.7	6	1.1	4	2.0	6	2.4	5
Meningococcal disease	248	9.5	171	32.5	112	55.9	12	4.8	0
Mumps	35	1.3	8	1.5	3	1.5	4	1.6	7
Paratyphoid	9	0.3	0	0.0	0	0.0	7	2.8	2
Pertussis	435	16.7	62	11.8	25	12.5	13	5.2	54
Rheumatic fever	4	0.2	70	13.3	58	29.0	6	2.4	5
Rubella	19	0.7	4	0.8	2	1.0	2	0.8	1
Salmonellosis	907	34.7	140	26.6	27	13.5	71	28.4	256
Shigellosis	32	1.2	3	0.6	27	13.5	6	2.4	19
Tuberculosis disease	41	1.6	55	10.5	104	51.9	205	82.1	13
Typhoid	2	0.1	0	0.0	7	3.5	9	3.6	2
VTEC/STEC Infection	76	2.9	12	2.3	0	0.0	3	1.2	14
Yersiniosis	249	9.5	36	6.8	6	3.0	43	17.2	105

E. NOTIFIABLE DISEASE CASES AND RATES BY SEX, 2003

Table 5. Cases and rates per 100 000 population in 2003 by sex

Disease	Sex				
	Male		Female		Unknown Cases
	Cases	Rate	Cases	Rate	
Campylobacteriosis	7815	428.7	6769	353.6	202
Cryptosporidiosis	432	23.7	382	20.0	4
Dengue fever	34	1.9	20	1.0	1
Gastroenteritis	423	23.2	588	30.7	12
Giardiasis	852	46.7	689	36.0	28
<i>Haemophilus influenzae</i> type b	6	0.3	6	0.3	1
Hepatitis A	35	1.9	35	1.8	0
Hepatitis B	37	2.0	24	1.3	0
Hepatitis C	29	1.6	12	0.6	0
Lead absorption	100	5.5	18	0.9	1
Legionellosis	48	2.6	29	1.5	1
Leprosy	2	0.1	2	0.1	0
Leptospirosis	100	5.5	12	0.6	3
Listeriosis ^a	12	0.7	6	0.3	0
Malaria	32	1.8	14	0.7	0
Measles	33	1.8	33	1.7	0
Meningococcal disease	292	16.0	247	12.9	4
Mumps	27	1.5	30	1.6	0
Paratyphoid	8	0.4	10	0.5	0
Pertussis	267	14.6	316	16.5	6
Rheumatic fever	71	3.9	44	2.3	28
Rubella	14	0.8	13	0.7	1
Salmonellosis	721	39.6	659	34.4	21
Shigellosis	38	2.1	47	2.5	2
Tuberculosis	209	11.5	207	10.8	2
Typhoid	6	0.3	14	0.7	0
VTEC/STEC Infection	52	2.9	53	2.8	0
Yersiniosis	237	13.0	195	10.2	7

^a Excludes perinatal cases

F. NOTIFIABLE DISEASE CASES AND RATES BY AGE GROUP, 2003

Table 6. Cases and rates per 100 000 population in 2003 by age group

Disease	Age Group																						
	<1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 29		30 to 39		40 to 49		50 to 59		60 to 69		70+		Unknown
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases
Campylobacteriosis	261	477.5	1294	598.7	761	265.9	641	220.5	994	374.7	2683	551.3	2306	399.9	1956	364.0	1741	416.1	1070	378.8	998	309.4	81
Cryptosporidiosis	33	60.4	337	155.9	157	54.9	57	19.6	34	12.8	66	13.6	74	12.8	33	6.1	11	2.6	10	3.5	4	1.2	2
Dengue fever	0	0.0	1	0.5	0	0.0	2	0.7	6	2.3	17	3.5	8	1.4	11	2.0	9	2.2	1	0.4	0	0.0	0
Gastroenteritis	15	27.4	41	19.0	38	13.3	29	10.0	57	21.5	128	26.3	191	33.1	157	29.2	126	30.1	62	21.9	122	37.8	57
Giardiasis	28	51.2	309	143.0	129	45.1	38	13.1	24	9.0	181	37.2	403	69.9	212	39.4	128	30.6	74	26.2	34	10.5	9
<i>Haemophilus influenzae</i> type b	6	11.0	3	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	1	0.2	1	0.4	1	0.3	0
Hepatitis A	0	0.0	8	3.7	10	3.5	2	0.7	7	2.6	10	2.1	7	1.2	6	1.1	9	2.2	4	1.4	7	2.2	0
Hepatitis B	0	0.0	2	0.9	0	0.0	0	0.0	3	1.1	20	4.1	23	4.0	8	1.5	4	1.0	1	0.4	0	0.0	0
Hepatitis C	1	1.8	0	0.0	0	0.0	0	0.0	2	0.8	13	2.7	13	2.3	9	1.7	3	0.7	0	0.0	0	0.0	0
Lead absorption	1	1.8	14	6.5	3	1.0	3	1.0	1	0.4	9	1.8	23	4.0	32	6.0	18	4.3	14	5.0	0	0.0	1
Legionellosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4	13	2.3	12	2.2	23	5.5	11	3.9	17	5.3	0
Leptospirosis	0	0.0	0	0.0	0	0.0	0	0.0	4	1.5	17	3.5	30	5.2	42	7.8	17	4.1	4	1.4	1	0.3	0
Listeriosis ^a	2	3.7	2	0.9	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	2	0.5	6	2.1	5	1.6	0
Malaria	0	0.0	0	0.0	0	0.0	5	1.7	1	0.4	21	4.3	10	1.7	1	0.2	5	1.2	3	1.1	0	0.0	0
Measles	12	22.0	29	13.4	14	4.9	3	1.0	1	0.4	2	0.4	4	0.7	1	0.2	0	0.0	0	0.0	0	0.0	0
Meningococcal disease	68	124.4	130	60.1	69	24.1	47	16.2	86	32.4	63	12.9	24	4.2	27	5.0	13	3.1	6	2.1	10	3.1	0
Mumps	0	0.0	17	7.9	15	5.2	5	1.7	4	1.5	2	0.4	5	0.9	3	0.6	6	1.4	0	0.0	0	0.0	0
Paratyphoid	0	0.0	1	0.5	0	0.0	1	0.3	2	0.8	5	1.0	2	0.3	5	0.9	1	0.2	1	0.4	0	0.0	0
Pertussis	91	166.5	112	51.8	121	42.3	77	26.5	34	12.8	25	5.1	42	7.3	45	8.4	15	3.6	18	6.4	9	2.8	0
Rheumatic fever	1	1.8	1	0.5	27	9.4	82	28.2	17	6.4	8	1.6	6	1	0	0.0	1	0.2	0	0.0	0	0.0	
Rubella	9	16.5	13	6.0	3	1.0	1	0.3	0	0.0	1	0.2	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0
Salmonellosis	84	153.7	293	135.6	121	42.3	75	25.8	86	32.4	181	37.2	174	30.2	145	27.0	106	25.3	73	25.8	59	18.3	4
Shigellosis	2	3.7	19	8.8	9	3.1	2	0.7	3	1.1	16	3.3	7	1.2	12	2.2	10	2.4	2	0.7	4	1.2	1
Tuberculosis	8	14.6	19	8.8	14	4.8	19	6.5	31	11.7	91	18.7	66	11.5	57	10.6	32	7.6	44	15.6	37	11.4	0
Typhoid	0	0.0	1	0.5	1	0.3	4	1.4	0	0.0	5	1.0	4	0.7	1	0.2	2	0.5	0	0.0	1	0.3	1
VTEC/STEC Infection	11	20.1	55	25.4	10	3.5	3	1.0	0	0.0	6	1.2	5	0.9	2	0.4	3	0.7	4	1.4	5	1.6	1
Yersiniosis	41	75.0	91	42.1	22	7.7	18	6.2	18	6.8	43	8.8	39	6.8	56	10.4	49	11.7	29	10.3	31	9.6	2

^a Excludes perinatal cases

G. NOTIFIABLE DISEASE CASES AND RATES BY DISTRICT HEALTH BOARD, 2003

Table 7. Disease notifications and incidence rates per 100 000 population by District Health Board, 2003

Disease	Campylobacteriosis		Cryptosporidiosis		Dengue fever		Gastroenteritis		Giardiasis		Hepatitis A		Hepatitis B		Hepatitis C		Lead absorption		Legionellosis		Leptospirosis		Listeriosis		Malaria		Measles		Meningococcal disease		Mumps		Paratyphoid		Pertussis		Rheumatic fever		Rubella		Salmonellosis		Shigellosis		Tuberculosis disease		Typhoid		VTEC/STEC Infection		Yersiniosis					
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate										
Northland	292	208	20	14.3	2	1.4	25	17.8	21	15.0	1	0.7	2	1.4	2	1.4	2	1.4	0	0.0	7	5.0	2	1.4	1	0.7	0	0.0	37	26.4	8	5.7	1	0.7	10	7.1	8	5.7	1	0.7	37	26.4	1	0.7	12	8.6	0	0.0	10	7.1	3	2.1				
Waitemata	1767	411	16	3.7	9	2.1	98	22.8	183	42.6	13	3.0	9	2.1	2	0.5	5	1.2	16	3.7	2	0.5	4	0.9	7	1.6	5	1.2	55	12.8	3	0.7	5	1.2	57	13.3	11	2.6	1	0.2	136	31.6	15	3.5	72	16.8	0	0.0	4	0.9	78	18.1				
Auckland	1456	396	15	4.1	23	6.3	127	34.5	239	65.0	17	4.6	10	2.7	5	1.4	15	4.1	12	3.3	1	0.3	4	1.1	3	0.8	3	0.8	68	18.5	1	0.3	4	1.1	39	10.6	30	8.2	1	0.3	141	38.3	27	7.3	90	24.5	7	1.9	2	0.5	56	15.2				
Counties Manukau	1230	328	17	4.5	5	1.3	75	20.0	134	35.7	11	2.9	6	1.6	2	0.5	4	1.1	11	2.9	3	0.8	2	0.5	6	1.6	3	0.8	107	28.5	1	0.3	2	0.5	27	7.2	55	14.6	1	0.3	148	39.4	14	3.7	81	21.6	8	2.1	10	2.7	23	6.1				
Waikato	1521	479	140	44.1	1	0.3	69	21.7	193	60.7	3	0.9	5	1.6	1	0.3	14	4.4	2	0.6	20	6.3	2	0.6	4	1.3	1	0.3	43	13.5	3	0.9	1	0.3	72	22.7	7	2.2	0	0.0	164	51.6	2	0.6	19	6.0	0	0.0	19	6.0	42	13.2				
Lakes	426	444	39	40.6	2	2.1	32	33.3	55	57.3	2	2.1	4	4.2	1	1.0	1	1.0	0	0.0	1	1.0	0	0.0	1	1.0	0	0.0	1	1.0	0	0.0	27	28.1	0	0.0	6	6.3	4	4.2	0	0.0	24	25.0	0	0.0	4	4.2	0	0.0	3	3.1	10	10.4		
Bay of Plenty	569	319	28	15.7	2	1.1	3	1.7	79	44.3	1	0.6	2	1.1	5	2.8	1	0.6	5	2.8	5	2.8	2	1.1	0	0.0	1	0.6	42	23.6	2	1.1	0	0.0	22	12.3	7	3.9	2	1.1	58	32.6	1	0.6	15	8.4	0	0.0	7	3.9	13	7.3				
Tairāwhiti	148	337	7	15.9	0	0.0	2	4.6	11	25.0	1	2.3	2	4.6	1	2.3	2	4.6	0	0.0	4	9.1	0	0.0	0	0.0	0	0.0	0	0.0	4	9.1	1	2.3	0	0.0	7	15.9	2	4.6	1	2.3	21	47.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15	34.1
Taranaki	414	402	11	10.7	0	0.0	9	8.7	9	8.7	0	0.0	2	1.9	0	0.0	5	4.9	2	1.9	5	4.9	0	0.0	0	0.0	0	0.0	0	0.0	7	6.8	1	1.0	0	0.0	5	4.9	0	0.0	0	0.0	24	23.3	0	0.0	10	9.7	0	0.0	9	8.7	5	4.9		
Hawke's Bay	635	442	51	35.5	0	0.0	3	2.1	84	58.5	3	2.1	4	2.8	3	2.1	8	5.6	1	0.7	14	9.8	0	0.0	2	1.4	3	2.1	18	12.5	5	3.5	1	0.7	63	43.9	7	4.9	6	4.2	71	49.5	1	0.7	20	13.9	1	0.7	0	0.0	14	9.8				
Whanganui	201	316	14	22.0	0	0.0	9	14.1	17	26.7	1	1.6	0	0.0	2	3.1	2	3.1	1	1.6	3	4.7	0	0.0	3	4.7	1	1.6	18	28.3	2	3.1	0	0.0	19	29.9	1	1.6	0	0.0	23	36.2	0	0.0	1	1.6	0	0.0	0	0.0	5	7.9				
MidCentral	357	230	43	27.7	0	0.0	41	26.5	51	32.9	0	0.0	2	1.3	4	2.6	12	7.7	1	0.6	9	5.8	4	2.6	0	0.0	16	10.3	9	5.8	1	0.6	0	0.0	14	9.0	2	1.3	1	0.6	37	23.9	0	0.0	9	5.8	0	0.0	4	2.6	8	5.2				
Hutt	663	503	19	14.4	2	1.5	29	22.0	36	27.3	1	0.8	3	2.3	0	0.0	0	0.0	5	3.8	0	0.0	1	0.8	3	2.3	6	4.6	13	9.9	2	1.5	0	0.0	15	11.4	6	4.6	0	0.0	40	30.3	1	0.8	16	12.1	1	0.8	0	0.0	17	12.9				
Capital and Coast	1521	619	121	49.2	5	2.0	92	37.4	154	62.6	8	3.3	3	1.2	3	1.2	13	5.3	9	3.7	0	0.0	1	0.4	2	0.8	3	1.2	21	8.5	5	2.0	1	0.4	20	8.1	2	0.8	5	2.0	90	36.6	7	2.8	42	17.1	3	1.2	1	0.4	34	13.8				
Wairarapa	155	406	11	28.8	0	0.0	13	34.0	8	20.9	0	0.0	1	2.6	1	2.6	3	7.9	2	5.2	0	0.0	0	0.0	0	0.0	0	0.0	1	2.6	2	5.2	1	2.6	0	0.0	0	0.0	0	0.0	1	2.6	16	41.9	2	5.2	0	0.0	0	0.0	0	0.0	9	23.6		
Nelson Marlborough West Coast	323	264	26	21.2	0	0.0	33	26.9	51	41.6	0	0.0	2	1.6	0	0.0	3	2.4	0	0.0	13	10.6	0	0.0	1	0.8	8	6.5	1	0.8	4	3.3	0	0.0	52	42.5	0	0.0	1	0.8	40	32.7	1	0.8	3	2.4	0	0.0	5	4.1	8	6.5				
Canterbury	1916	449	89	20.8	2	0.5	218	51.0	159	37.2	4	0.9	1	0.2	6	1.4	14	3.3	5	1.2	15	3.5	1	0.2	9	2.1	7	1.6	33	7.7	8	1.9	2	0.5	79	18.5	1	0.2	1	0.2	181	42.4	10	2.3	13	3.0	0	0.0	11	2.6	58	13.6				
South Canterbury	217	411	49	92.8	0	0.0	16	30.3	9	17.1	1	1.9	1	1.9	0	0.0	2	3.8	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	2	3.8	3	5.7	0	0.0	0	0.0	30	56.8	0	0.0	0	0.0	34	64.4	0	0.0	2	3.8	0	0.0	9	17.1	8	15.2		
Otago	577	339	62	36.3	0	0.0	34	19.9	45	26.4	3	1.8	2	1.2	0	0.0	11	6.4	3	1.8	4	2.3	0	0.0	3	1.8	0	0.0	23	13.5	7	4.1	1	0.6	25	14.6	0	0.0	2	1.2	65	38.1	4	2.3	6	3.5	0	0.0	7	4.1	15	8.8				
Southland	299	289.3	29	28.1	2	1.9	94	91.0	18	17.4	0	0.0	0	0.0	0	0.0	2	1.9	2	1.9	6	5.8	1	1.0	1	1.0	3	2.9	11	10.6	1	1.0	0	0.0	16	15.5	0	0.0	0	0.0	47	45.5	1	1.0	2	1.9	0	0.0	3	2.9	5	4.8				

H. NOTIFIABLE DISEASE CASES BY YEAR AND SOURCE, 1984 - 2003

Note: cell is blank where data are unavailable

Disease	Source	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
AIDS	Notification	3	11	19	28	38	59	73	78	50	70	44	50	76	43	29	33	27	26	17	33
Campylobacteriosis	Notification	1915	2390	2786	2921	2796	4187	3850	4148	5144	8101	7714	7442	7635	8924	11573	8161	8417	10146	12494	14786
Cholera	Notification	0	0	0	2	0	0	5	0	0	0	2	2	0	0	1	1	0	3	1	1
Creutzfeldt-Jakob disease	Notification													2	1	0	2	3	1	3	6
Cryptosporidiosis	Notification													119	357	866	977	775	1208	975	818
Dengue fever	Notification	1	1	3	0	1	3	2	3	1	1	0	6	23	14	26	9	7	93	70	55
Gastroenteritis	Notification													555	310	492	601	726	940	1087	1023
Giardiasis	Notification													1235	2127	2183	1793	1684	1603	1547	1569
<i>H. influenzae</i> serotype b	Laboratory				93	107	121	143	148	166	118	75	14	24	8	10	9	10	8	3	9
	Notification													26	9	11	10	13	11	3	13
Hepatitis A	Notification	539	380	251	158	176	134	150	224	288	257	179	338	311	347	145	119	107	61	106	70
Hepatitis B	Notification	609	530	488	474	370	309	242	227	221	145	133	125	104	138	88	94	79	56	68	61
Hepatitis C	Notification	29	31	17	18	20	13	11	25	89	91	79	88	59	92	102	96	80	59	53	41
Hydatid disease	Notification	6	4	5	2	2	0	4	0	4	4	1	5	3	2	2	8	3	7	2	0
Influenza	Sentinel isolates	9	6	8	18	136	119	343	183	317	423	441	521	673	743	127	425	73	313	241	230
Legionellosis	Notification	48	87	95	91	62	17	20	14	11	24	66	33	36	63	43	51	61	46	49	78
	Laboratory							21	42	60	76	121	76	60	109	107	65	56	56	53	82
Leprosy	Notification	9	5	7	8	2	4	1	4	5	3	1	1	10	3	3	10	4	3	4	4
Leptospirosis	Notification	201	174	139	129	99	90	117	106	70	116	70	65	56	52	75	59	98	105	141	115
	Laboratory					192	182	229	176	218	234	168	183	140	84	117	76	114	113	181	149
Listeriosis	Notification	6	6	6	12	7	10	16	26	16	11	8	13	10	35	17	19	22	18	19	24
Malaria	Notification	48	44	31	22	25	27	32	39	29	58	34	41	107	65	73	46	111	54	61	46
Measles	Notification													68	1984	164	107	64	83	21	66
	Laboratory	11	145	135	26	5	5	7	355	53	4	4	15	25	1220	35	2	9	21	6	15
Meningococcal disease	Notification	34	107	190	179	83	49	53	71	153	202	208	394	473	609	439	507	477	648	555	543
Mumps	Notification													76	90	85	56	50	56	64	57
	Laboratory	0	61	132	28	5	105	26	23	10	25	245	66	20	14	8	5	2	22	18	11
Paratyphoid	Laboratory					23	13	30	22	13	23	30	24	20	25	19	17	23	33	24	21
Pertussis	Notification													1022	284	153	1046	4140	1334	1068	589
Rheumatic fever (initial attack)	Notification			12	215	153	148	90	97	70	81	98	88	110	95	65	71	136	114	87	141
Rubella	Notification													306	80	53	35	26	30	33	28
	Laboratory	155	120	30	50	95	114	168	81	27	244	104	1581	339	21	2	0	0	3	4	3
Salmonellosis	Notification	1138	1234	1335	1140	1128	1860	1619	1244	1239	1340	1522	1334	1141	1177	2069	2077	1796	2417	1880	1401
Shigellosis	Notification	127	192	189	143	145	137	197	152	124	128	185	191	167	117	122	147	115	157	112	87
Tetanus	Notification	7	3	3	4	1	0	0	0	8	2	2	2	3	0	2	6	1	4	1	2
Tuberculosis	Notification	404	359	320	296	295	303	348	335	327	323	352	391	352	321	365	445	353	372	382	418
Typhoid	Notification	2	6	28	4	15	17	7	9	11	14	24	21	15	16	31	9	21	27	23	20
VTEC/STEC infection	Notification										3	3	6	7	12	48	64	67	76	73	105
Yersiniosis	Notification													330	488	546	503	396	429	476	439