

COMMUNICABLE DISEASE 1995-2004

APPENDIX

TABLE 1
Cases of Reportable Disease,
Region of Peel, 1995-2004

Selected Reportable Diseases	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AIDS	19	18	10	5	4	7	14	7	10	8
Amebiasis	96	91	108	102	91	95	129	121	108	127
Brucellosis	1	1	0	1	1	0	2	2	1	0
Campylobacteriosis	556	523	501	515	442	457	482	422	398	414
Chlamydia	962	876	947	1087	1230	1271	1480	1637	1800	1935
Cholera	0	0	0	0	0	0	1	0	0	0
Cryptosporidiosis*	NA	3	3	7	8	12	13	10	13	17
Cyclosporiasis**	NA	NA	NA	NA	NA	NA	NA	NA	2	5
Cytomegalovirus	0	0	1	0	0	0	1	2	0	1
Encephalitis/Meningitis	18	24	17	19	28	51	70	72	41	57
Giardiasis	221	211	214	204	161	191	205	169	180	175
Gonorrhoea	308	215	194	244	213	318	308	321	365	342
Haemophilus influenzae type b	2	0	0	0	0	1	1	0	1	0
Hepatitis A	52	44	34	18	24	8	22	22	18	31
Hepatitis B	32	16	9	10	2	5	10	9	8	5
Hepatitis C	500	549	505	468	477	445	339	414	412	411
Herpes, Neonatal	0	2	0	0	2	0	0	0	0	0
HIV	39	25	22	24	19	36	21	36	51	51
Influenza***	18	61	101	111	113	41	165	133	557	336
Invasive Pneumococcal Disease	NA	NA	NA	NA	NA	NA	12	82	80	68
Legionella Infections	9	3	5	4	2	6	1	5	2	4
Leprosy	1	2	1	1	3	3	1	0	1	0
Listeriosis	5	0	4	3	4	4	4	9	3	4
Lyme Disease	0	0	1	1	0	7	1	1	2	3
Malaria	49	138	142	21	24	31	20	24	30	24
Measles	440	9	0	2	0	0	0	0	0	4
Meningococcal Disease	1	2	3	5	9	10	5	2	4	3
Mumps	17	11	2	2	4	6	1	3	3	5
Ophthalmia Neonatorum	2	1	2	1	0	1	0	0	0	0
Paratyphoid Fever	3	3	0	5	6	7	1	10	5	16
Pertussis	90	36	30	44	24	29	21	20	10	26
Q Fever	1	0	1	0	0	1	1	0	0	0
Rubella	0	28	7	1	0	0	1	0	1	0
Rubella, Congenital Syndrome	0	0	0	0	0	0	0	0	0	0
Salmonellosis	278	243	235	337	249	241	279	223	220	256
Severe Acute Respiratory Syndrome (SARS)‡	NA	NA	NA	NA	NA	NA	NA	NA	17.0	NA
Shigellosis	34	35	36	51	41	29	26	64	47	31
Streptococcal infections, Group A invasive	4	11	16	19	20	30	35	28	29	14
Streptococcal infections, Group B	0	2	5	2	9	10	7	7	9	7
Syphilis	8	5	4	3	1	2	1	1	10	20
Tetanus	0	0	0	0	0	0	1	0	0	0
Trichinosis	0	0	0	0	0	0	0	0	0	0
Tuberculosis	65	84	89	78	67	103	94	106	101	117
Typhoid Fever	11	3	6	11	14	21	12	13	19	24
Verotoxin-producing Escherichia coli	50	23	27	45	26	24	23	25	26	31
West Nile Virus †	NA	NA	NA	NA	NA	NA	NA	57	10	0
Yersiniosis	68	49	45	49	49	47	43	36	41	48

* Cryptosporidiosis became reportable in 1996.

** The increase in cyclosporiasis cases in 1999 was due to an outbreak in the Greater Toronto Area caused by the importation of contaminated fruit. Cyclosporiasis became reportable in 2000 and entered on RDIS as of January 2003. Data prior to 2000 were collected manually by Peel Public Health Environmental Health Division staff.

*** Influenza data based on seasonal year (i.e. 1995 data are from July 1, 1995 to June 30, 1996). 2004/2005 data include cases up to April 11, 2005 only.

**** Invasive streptococcus pneumoniae infection became reportable in 2003.

‡ Severe Acute Respiratory Syndrome (SARS) began in late March 2003. Cases reported were confirmed or probable.

† West Nile Virus data for 2002 and 2003 include confirmed and probable cases for Peel only. One case reported in 1999 was acquired in New York City.

NA = Data not available

Notes:

1. There was only one case of the following diseases in Peel in the year noted: Chancroid (1996), Hepatitis Non A,B,C,D (1997), Psittacosis/Ornithosis (1995) and Tetanus (2001).
2. There were 2 cases of Hepatitis D noted in 1998 and 2003.
3. There were no cases of the following reportable diseases in Peel from 1995-2004: anthrax, botulism, diphtheria, hantavirus pulmonary syndrome, hemorrhagic fevers, plague, polio, rabies, congenital rubella syndrome, smallpox, tularemia, and yellow fever.
4. Data on institutional outbreaks of gastroenteritis and respiratory infection were not available.
5. Chickenpox (varicella) data were of poor quality.

Sources: Peel data from RDIS, Peel Public Health as of 04/11/2005, except West Nile Virus data, which were taken from 2004 West Nile Virus in the Region of Peel Report and cyclosporiasis data based on manual counts by Peel Public Health Environmental Health Staff. SARS data from Region of Peel Public Health Department.

COMMUNICABLE DISEASE 1995-2004

TABLE 2
Cases of Reportable Disease,
Province of Ontario, 1995-2004

Selected Reportable Diseases	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AIDS	597	407	254	208	188	141	166	131	153	139
Amebiasis	930	837	983	833	768	818	847	819	766	679
Brucellosis	3	2	2	4	2	2	3	5	4	3
Campylobacteriosis	6389	5398	5210	5347	4088	4960	5013	4592	4067	3917
Chlamydia	12125	10746	10661	12492	13387	14688	16242	18248	19172	20557
Cholera	3	1	0	1	0	0	3	1	2	0
Cryptosporidiosis*	NA	266	227	185	207	235	247	229	275	297
Cyclosporiasis**	NA	NA	NA	NA	NA	9	21	52	39	94
Cytomegalovirus	8	5	5	4	11	8	4	6	8	6
Encephalitis/Meningitis	326	319	299	446	435	393	531	576	457	472
Giardiasis	2710	2552	2377	2128	1981	1997	2057	1910	1619	1590
Gonorrhoea	3038	2360	1922	2278	2259	2842	2943	3071	3342	3473
Haemophilus influenzae type b	12	10	8	7	4	11	6	5	8	10
Hepatitis A	499	617	456	318	261	157	175	150	144	175
Hepatitis B	312	227	175	141	139	143	131	146	164	142
Hepatitis C	7320	7779	6274	7016	6475	5780	5523	5451	5370	5276
Herpes, Neonatal	0	5	3	3	10	1	4	5	1	11
HIV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Influenza**	695	1249	2503	2332	2846	781	2244	967	5368	344
Legionella Infections	33	37	45	45	44	41	21	24	25	10
Leprosy	5	6	4	2	6	3	3	2	4	1
Listeriosis	44	26	37	51	31	37	36	42	43	41
Lyme Disease	19	17	17	17	22	44	23	27	26	30
Malaria	253	443	463	159	166	184	160	154	163	170
Measles	2305	189	22	9	2	9	6	1	12	7
Meningococcal Disease	93	95	83	51	80	78	105	59	58	53
Mumps	198	83	63	32	43	33	17	14	13	22
Ophthalmia Neonatorum	9	13	9	7	7	10	7	3	2	5
Paratyphoid Fever	15	12	4	12	17	12	12	27	19	42
Pertussis	2054	722	1044	1867	1213	715	461	529	351	623
Q Fever	12	10	9	8	18	12	11	1	8	6
Rubella	197	72	29	15	3	9	17	2	9	6
Rubella, Congenital Syndrome	1	0	1	0	0	1	0	1	1	2
Salmonellosis	2892	2667	2627	3336	2294	2357	2554	2458	1985	2074
Severe Acute Respiratory Syndrome (SARS) ‡	NA	NA	NA	NA	NA	NA	NA	NA	376	0
Shigellosis	429	314	368	407	265	283	232	849	279	280
Streptococcal infections, Group A invasive	87	206	225	276	303	407	326	382	399	281
Streptococcal infections, Group B	14	52	59	30	47	52	64	68	64	55
Syphilis	67	50	32	31	32	23	24	183	304	364
Tetanus	2	1	1	2	1	1	3	1	0	0
Trichinosis	0	0	0	0	0	0	0	0	0	1
Tuberculosis	800	779	779	742	699	699	698	712	686	634
Typhoid Fever	44	23	31	45	42	53	62	59	50	66
Verotoxin-producing Escherichia coli	583	468	427	402	373	1712	357	392	453	306
West Nile Virus †	NA	NA	NA	NA	NA	NA	NA	405	89	14
Yersiniosis	559	492	400	343	361	333	312	382	324	294

* Cryptosporidiosis became reportable in 1996.

** Influenza data based on seasonal year (i.e. 1995 data are from July 1, 1995 to June 30, 1996). 2004/2005 data include cases up to December 31, 2004 only.

‡ Severe Acute Respiratory Syndrome (SARS) began in late March 2003. Cases reported were confirmed or probable as of June 16, 2003.

† West Nile Virus data for 2002 and 2003 include confirmed and probable cases.

NA = Data not available

Notes:

There were 12 cases of Psittacosis/Ornithosis reported in Ontario from 1994 to 2001.

There were some reportable diseases not included in this table. Please see Table 1.

Sources: Ontario data from RDIS, Ontario Ministry of Health and Long-Term Care as of 04/13/2005.

SARS data from *SARS Bulletin for Healthcare Providers*. Ontario Ministry of Health and Long-Term Care.

WNV data from West Nile Virus Surveillance archive, Ontario Ministry of Health and Long-Term Care.

COMMUNICABLE DISEASE 1995-2004

TABLE 3
Age-Standardized Incidence of Reportable Disease,
Region of Peel, 1995-2004

Selected Reportable Diseases	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AIDS	2.2	2.0	1.0	0.5	0.5	0.7	1.2	0.6	0.9	0.6
Amebiasis	11.5	10.6	12.0	11.1	9.7	10.1	12.4	11.1	9.9	11.0
Brucellosis	0.2	0.1	0.0	<0.1	0.1	0.0	0.2	0.2	0.1	0.0
Campylobacteriosis	62.9	58.5	54.5	54.3	45.1	45.5	46.7	38.7	35.4	36.3
Chlamydia	111.1	100.9	107.0	120.0	133.2	133.4	148.9	158.4	167.4	172.8
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Cryptosporidiosis*	NA	0.4	0.3	0.7	0.8	1.2	1.2	0.9	1.2	1.5
Cyclosporiasis**	NA	NA	NA	NA	NA	NA	NA	NA	0.15	0.39
Cytomegalovirus	0.0	0.0	<0.1	0.0	0.0	0.0	<0.1	0.19	0.0	<0.1
Encephalitis/Meningitis	2.0	2.6	1.7	2.0	2.9	4.9	6.7	7.2	3.8	4.8
Giardiasis	25.4	23.1	22.8	21.1	16.4	19.1	19.9	15.5	15.7	15.2
Gonorrhea	35.5	24.7	22.0	26.7	22.8	33.1	30.7	30.9	33.4	30.3
Haemophilus influenzae type b	0.2	0.0	0.0	0.0	0.0	<0.1	0.1	0.0	<0.1	0.0
Hepatitis A	5.8	4.9	3.7	1.8	2.4	0.8	2.0	1.9	1.6	2.6
Hepatitis B	3.8	2.0	1.1	1.1	0.2	0.5	1.0	0.9	0.7	0.4
Hepatitis C	56.6	59.2	53.7	49.8	48.0	43.8	32.7	36.8	35.6	34.2
Herpes, Neonatal	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
HIV	4.3	2.7	2.3	2.5	1.9	3.7	2.1	3.4	4.6	4.2
Influenza***	1.9	7.1	12.7	14.2	14.2	4.2	17.5	12.7	54.4	32.1
Invasive Pneumococcal Disease****	NA	NA	NA	NA	NA	NA	1.4	8.4	7.9	6.6
Legionella Infections	1.5	0.3	0.6	0.6	0.2	0.9	0.2	0.5	0.2	0.4
Leprosy	0.2	0.2	0.2	<0.1	0.3	0.3	<0.1	0.0	<0.1	0.0
Listeriosis	0.7	0.0	0.5	0.5	0.5	0.6	0.6	1.1	0.4	0.3
Lyme Disease	0.0	0.0	<0.1	<0.1	0.0	0.7	<0.1	<0.1	0.2	0.2
Malaria	5.8	16.4	15.6	2.4	2.3	3.0	1.9	2.1	2.6	2.0
Measles	48.8	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4
Meningococcal Disease	0.1	0.2	0.3	0.6	<0.1	<0.1	0.5	0.2	0.4	0.3
Mumps	1.9	1.2	0.2	0.2	0.4	0.6	<0.1	0.3	0.2	0.4
Ophthalmia Neonatorum	0.2	<0.1	0.2	<0.1	0.0	<0.1	0.0	0.0	0.0	0.0
Paratyphoid Fever	0.3	0.3	0.0	0.5	0.6	0.6	0.1	0.9	0.4	1.4
Pertussis	9.6	3.8	3.1	4.4	2.4	2.7	1.9	1.8	0.9	2.2
Q Fever	<0.1	0.0	0.1	0.0	0.0	<0.1	<0.1	0.0	0.0	0.0
Rubella	0.0	3.1	0.7	<0.1	0.0	0.0	<0.1	0.0	<0.1	0.0
Rubella, Congenital Syndrome	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis	31.6	26.6	24.8	35.3	25.7	24.4	27.0	20.7	19.8	21.9
Severe Acute Respiratory Syndrome (SARS)‡	NA	NA	NA	NA	NA	NA	NA	NA	1.5	NA
Shigellosis	4.0	3.9	3.9	5.3	4.2	2.8	2.4	5.9	4.2	2.7
Streptococcal infections, Group A invasive	0.6	1.4	1.9	2.3	2.4	3.3	4.2	2.8	2.9	1.2
Streptococcal infections, Group B	0.0	0.2	0.5	0.2	0.9	1.0	0.7	0.7	0.8	0.6
Syphilis	0.9	0.5	0.4	0.3	0.1	0.3	0.1	<0.1	0.9	1.7
Tetanus	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Trichinosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuberculosis	8.2	10.4	10.9	9.8	7.7	11.6	10.2	11.2	9.7	11.0
Typhoid Fever	1.2	0.3	0.7	1.2	1.5	2.1	1.2	1.1	1.7	2.1
Verotoxin-producing Escherichia coli	6.0	2.5	3.0	4.6	2.6	2.4	2.1	2.2	2.5	2.7
West Nile Virus †	NA	NA	NA	NA	NA	NA	NA	5.3	0.9	0.0
Yersiniosis	7.8	5.2	4.9	5.0	4.9	4.6	4.2	3.4	3.7	4.1

* Cryptosporidiosis became reportable in 1996.

** The increase in cyclosporiasis cases in 1999 was due to an outbreak in the Greater Toronto Area caused by the importation of contaminated fruit. Cyclosporiasis became reportable in 2000 and entered on RDIS as of January 2003. Data prior to 2000 were collected manually by Peel Public Health Environmental Health Division staff.

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**** Invasive streptococcus pneumoniae infection became reportable in 2003.

‡ Severe Acute Respiratory Syndrome (SARS) began in late March 2003. Cases reported were confirmed or probable.

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Notes:

1. There was only one case of the following diseases in Peel in the year noted: Chancroid (1996), Hepatitis Non A,B,C,D (1997), Psittacosis/Ornithosis (1995) and Tetanus (2001).
2. There were 2 cases of Hepatitis D noted in 1998 and 2003.
3. There were no cases of the following reportable diseases in Peel from 1995-2004: anthrax, botulism, diphtheria, hantavirus pulmonary syndrome, hemorrhagic fevers, plague, polio, rabies, congenital rubella syndrome, smallpox, tularemia, and yellow fever.
4. Data on institutional outbreaks of gastroenteritis and respiratory infection were not available.
5. Chickenpox (varicella) data were of poor quality.

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TABLE 4
Age-Standardized Incidence of Reportable Disease,
Province of Ontario, 1995-2004

Selected Reportable Diseases	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AIDS	5.4	3.6	2.3	1.8	1.6	1.2	1.4	1.1	1.2	1.1
Amebiasis	8.6	7.6	8.9	7.4	6.8	7.1	7.2	6.8	6.4	5.6
Brucellosis	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Campylobacteriosis	58.8	49.4	47.3	48.0	36.5	43.7	43.5	39.1	34.2	32.4
Chlamydia	118.3	105.8	104.7	122.4	130.0	140.4	152.8	168.9	175.2	185.3
Cholera	<0.1	<0.1	0.0	<0.1	0.0	0.0	<0.1	<0.1	<0.1	0.0
Cryptosporidiosis*	NA	2.4	2.1	1.7	1.9	2.1	2.3	2.1	2.5	2.7
Cyclosporiasis**	NA	NA	NA	NA	NA	<0.1	0.2	0.4	0.3	0.7
Cytomegalovirus	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1
Encephalitis/Meningitis	3.0	2.9	2.7	4.1	3.9	3.5	4.7	4.9	4.0	4.1
Giardiasis	25.0	23.3	21.6	19.2	17.8	17.8	18.1	16.6	13.8	13.6
Gonorrhea	29.4	23.1	18.7	22.0	21.6	26.8	27.2	28.0	30.1	30.8
Haemophilus influenzae type b	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hepatitis A	4.6	5.7	4.2	2.8	2.3	1.4	1.5	1.3	1.2	1.5
Hepatitis B	2.9	2.1	1.6	1.3	1.2	1.2	1.1	1.2	1.4	1.1
Hepatitis C	64.4	67.9	54.3	60.1	54.1	47.5	44.2	42.3	40.8	39.8
Herpes, Neonatal	0.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
HIV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Influenza**	6.1	10.9	21.3	20.0	23.7	7.1	18.9	8.7	44.6	2.6
Legionella Infections	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	<0.1
Leprosy	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Listeriosis	0.4	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Lyme Disease	0.2	0.2	0.1	0.1	0.2	0.4	0.2	0.2	0.2	0.2
Malaria	2.3	4.0	4.2	1.5	1.5	1.6	1.4	1.3	1.4	1.4
Measles	21.6	1.7	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Meningococcal Disease	0.9	0.9	0.8	0.5	0.7	0.7	0.9	0.5	0.5	0.4
Mumps	1.9	0.8	0.6	0.3	0.4	0.3	0.1	0.1	0.1	0.2
Ophthalmia Neonatorum	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Paratyphoid Fever	0.1	0.1	<0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.4
Pertussis	19.0	6.6	9.6	16.9	11.0	6.4	4.0	4.6	3.1	5.5
Q Fever	0.1	<0.1	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1
Rubella	1.8	0.7	0.3	0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Rubella, Congenital Syndrome	<0.1	0.0	<0.1	0.0	0.0	<0.1	0.0	<0.1	<0.1	<0.1
Salmonellosis	26.5	24.3	23.9	30.0	20.5	20.9	22.1	21.3	17.1	17.8
Severe Acute Respiratory Syndrome (SARS)†	NA	NA	NA	NA	NA	NA	NA	NA	3.1	0.0
Shigellosis	3.9	2.9	3.3	3.7	2.4	2.5	2.0	7.2	2.4	2.4
Streptococcal infections, Group A invasive	0.8	1.8	1.9	2.4	2.5	3.4	2.6	3.0	3.1	2.2
Streptococcal infections, Group B	0.1	0.5	0.6	0.3	0.5	0.5	0.6	0.7	0.6	0.6
Syphilis	0.6	0.5	0.3	0.3	0.3	0.2	0.2	1.5	2.6	3.0
Tetanus	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.0	0.0
Trichinosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<0.1
Tuberculosis	7.3	7.1	6.9	6.5	6.1	6.0	5.9	5.9	5.7	5.1
Typhoid Fever	0.4	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.6
Verotoxin-producing Escherichia coli	5.3	4.2	3.8	3.6	3.3	14.8	3.1	3.4	3.9	2.6
West Nile Virus †	NA	NA	NA	NA	NA	NA	NA	3.3	0.7	0.1
Yersiniosis	5.1	4.5	3.6	3.1	3.3	3.0	2.9	3.4	2.9	2.7

* Cryptosporidiosis became reportable in 1996.

** Influenza data based on seasonal year (i.e. 1995 data are from July 1, 1995 to June 30, 1996). 2004/2005 data include cases up to December 31, 2004 only.

† Severe Acute Respiratory Syndrome (SARS) began in late March 2003. Cases reported were confirmed or probable as of June 16, 2003.

† West Nile Virus data for 2002 and 2003 include confirmed and probable cases.

NA = Data not available

Notes:

There were 12 cases of Psittacosis/Ornithosis reported in Ontario from 1994 to 2001.

There were some reportable diseases not included in this table. Please see Table 1.

Sources: Ontario data from RDIS, Ontario Ministry of Health and Long-Term Care as of 04/13/2005.

SARS data from SARS Bulletin for Healthcare Providers. Ontario Ministry of Health and Long-Term Care.

WNV data from West Nile Virus Surveillance archive, Ontario Ministry of Health and Long-Term Care.