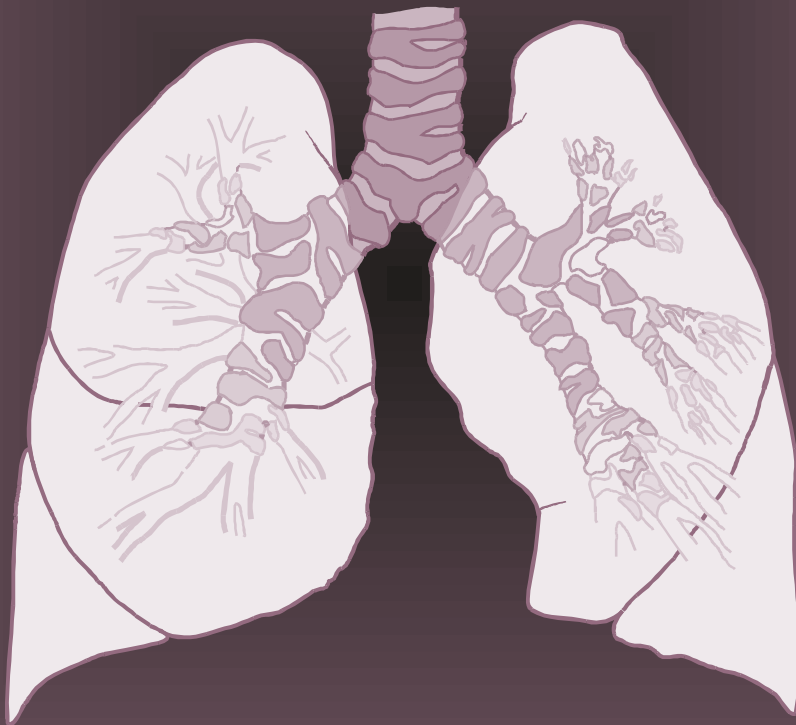




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1996

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Tuberculosis

in Canada

1996

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INTRODUCTION

This is the second annual report on tuberculosis morbidity and mortality published by the Laboratory Centre for Disease Control following the transfer of responsibility for the Canadian Tuberculosis Reporting System from Statistics Canada to Health Canada.

The annual reports on tuberculosis morbidity and mortality have undergone and will continue to have revisions in format and content over the years in response to changes in the epidemiology and treatment of tuberculosis. Changes to the report this year include inclusion of graphical figures, incidence rates by Canadian-born origin and Foreign-born birthplace, main diagnostic site (using a hierarchy), and reformatting of tables and overall layout. The term “reactivated” has been replaced by “relapsed”, the new accepted term in Canada.

Prior to 1966, the reports focused on the characteristics of patients hospitalized in tuberculosis institutions. However, with the discovery and development of new antituberculosis drugs, more and more persons with active tuberculosis were treated as outpatients. Statistics on these patients were then included in annual reports.

To reflect the continuing decrease in institutional treatment, the reports began in 1975 to combine previously separate data on inpatients and outpatients. From 1976 onward, data on facilities and services in tuberculosis institutions were no longer included; since then, reports have presented data on all reported cases of tuberculosis in the population, irrespective of where treatment occurs.

Starting with the 1977 data year, reports were developed cooperatively by Statistics Canada, the Canadian Lung Association and provincial and territorial offices of tuberculosis control, and contained information essential for the surveillance and control of tuberculosis in Canada.

As a result of a review of the tuberculosis reporting system conducted in 1989 jointly by provincial and territorial Directors of Tuberculosis Control, Health Canada and Statistics Canada, reporting forms were revised for the 1990 data year to include additional information relevant to tuberculosis prevention and control. The principal changes include information on the number of persons with tuberculosis who reside in long-term care facilities, the method of case detection used, chest X-ray results, aboriginal and foreign-born persons with tuberculosis and, for deceased persons, information on cause and date of death (see reporting form in Appendix 2).

The report format was revised in 1990 to include tables with the new information, together with much of the information previously published separately in supplementary reports.

Figure 1

Reported New Active and Relapsed Tuberculosis Incidence Rate per 100,000 - Canada: 1924-1996

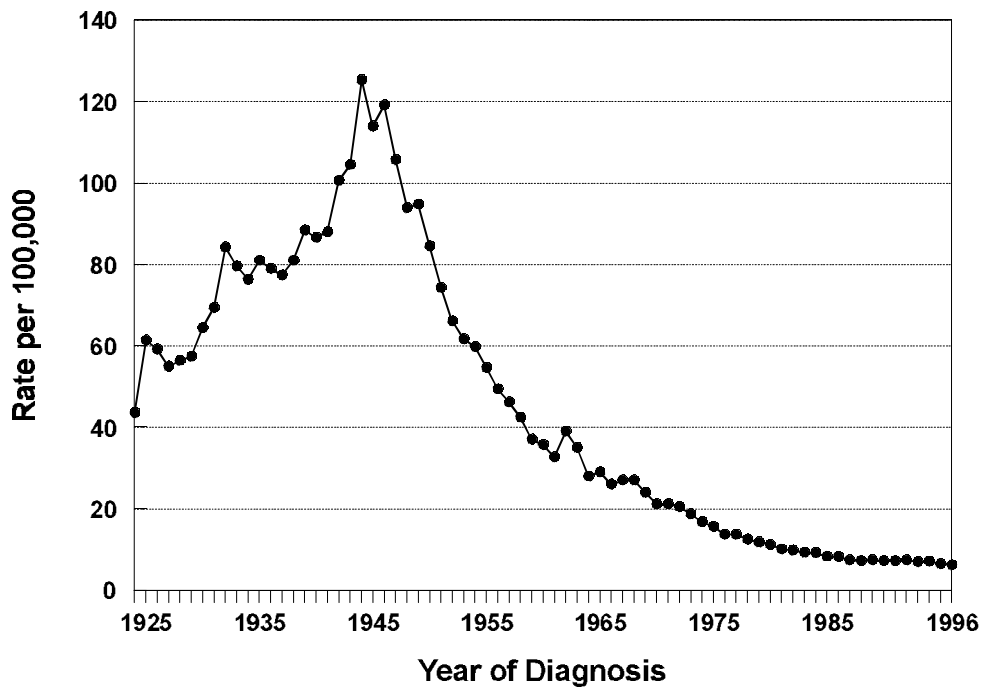


Figure 2

Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 - Canada: 1980-1996

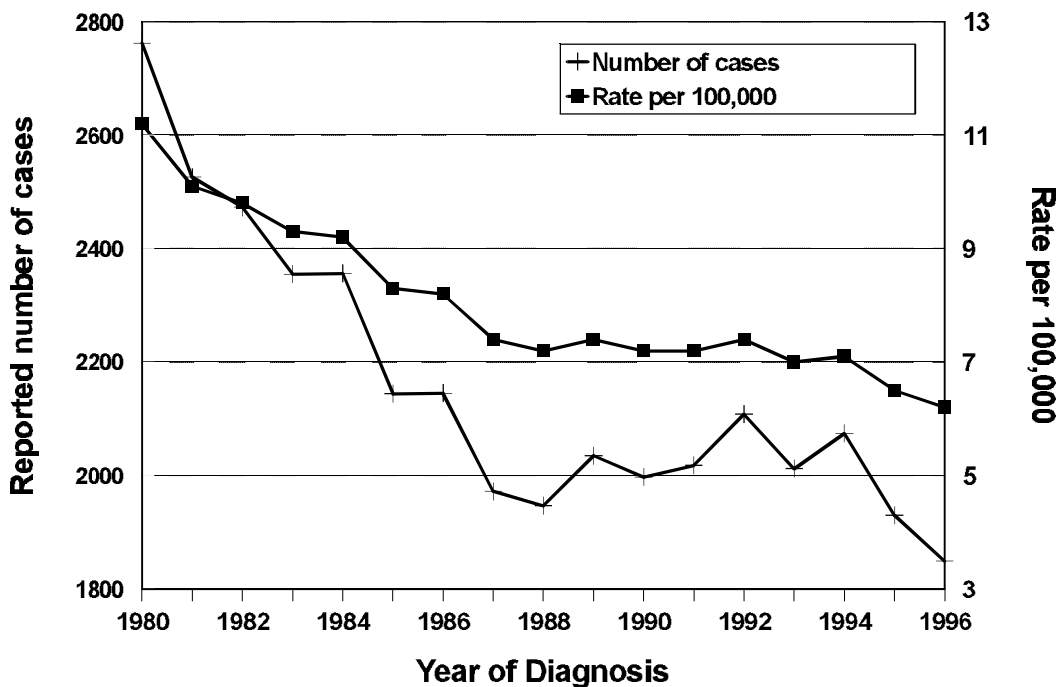


Figure 3

Reported New Active and Relapsed Tuberculosis Incidence Rate per 100,000 by Age Group - Canada: 1980-1996

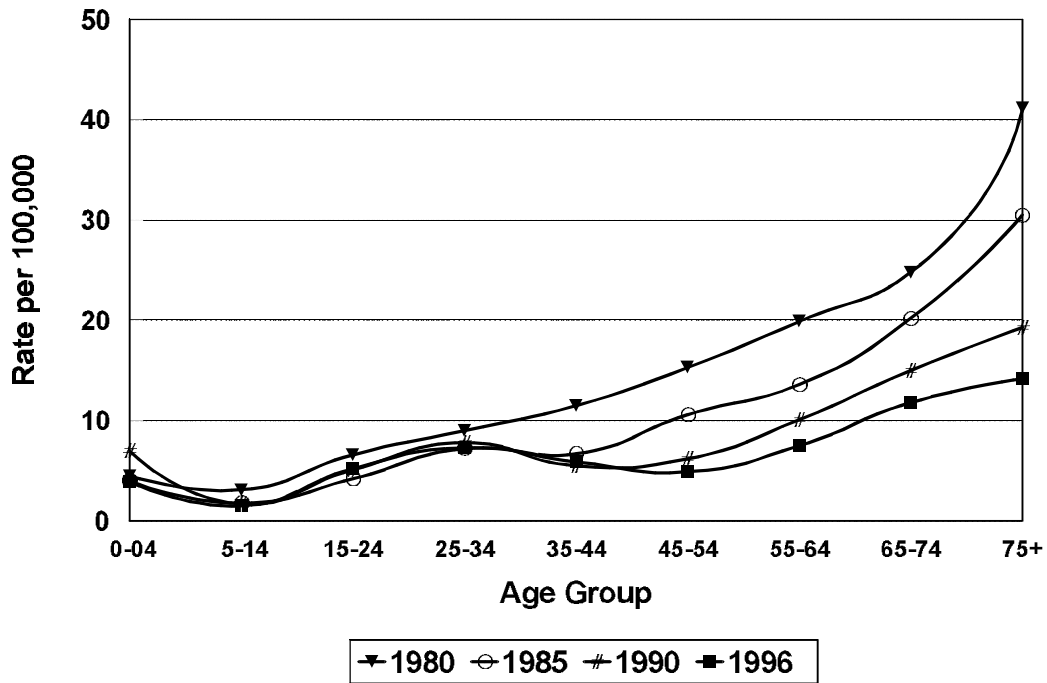


Figure 4

Distribution of New Active and Relapsed Tuberculosis Cases by Origin - Canada: 1980 and 1996

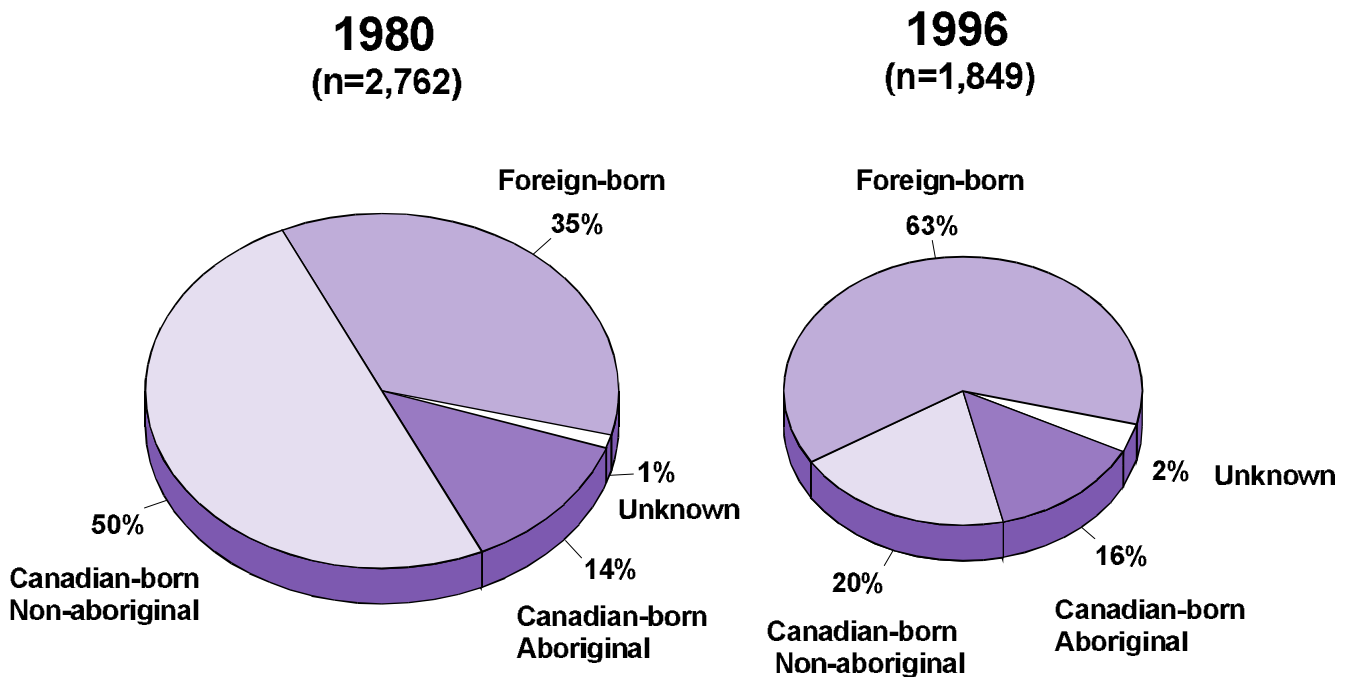


Figure 5

Reported New Active and Relapsed Tuberculosis Incidence Rate per 100,000 by Main Diagnostic Site - Canada: 1985-1996

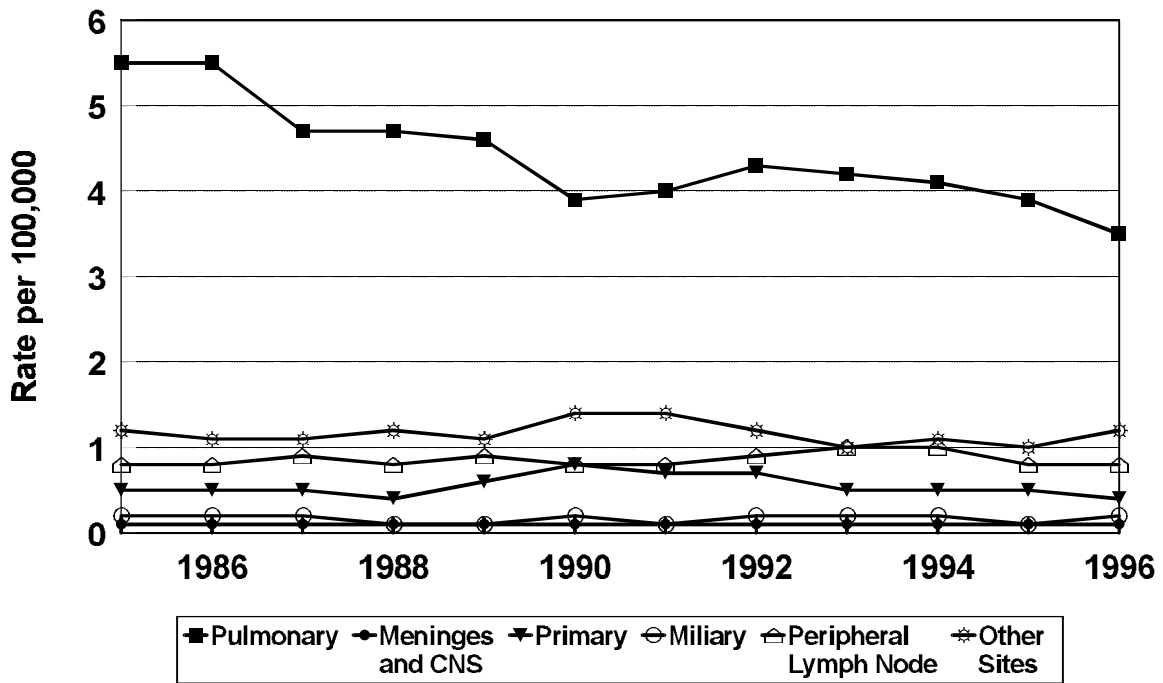


Figure 6

Distribution of New Active and Relapsed Tuberculosis Cases by Origin - Provinces/Territories: 1996

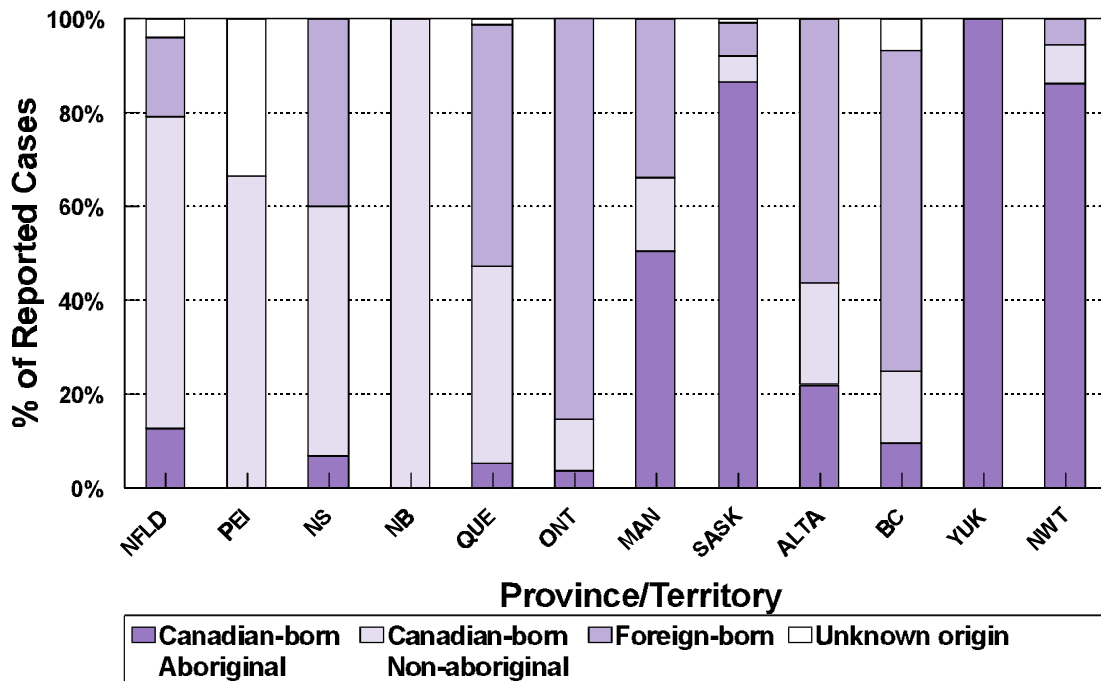


Figure 7

Reported New Active and Relapsed Tuberculosis Cases by Age Group and Origin - Canada: 1996 (n=1,849)

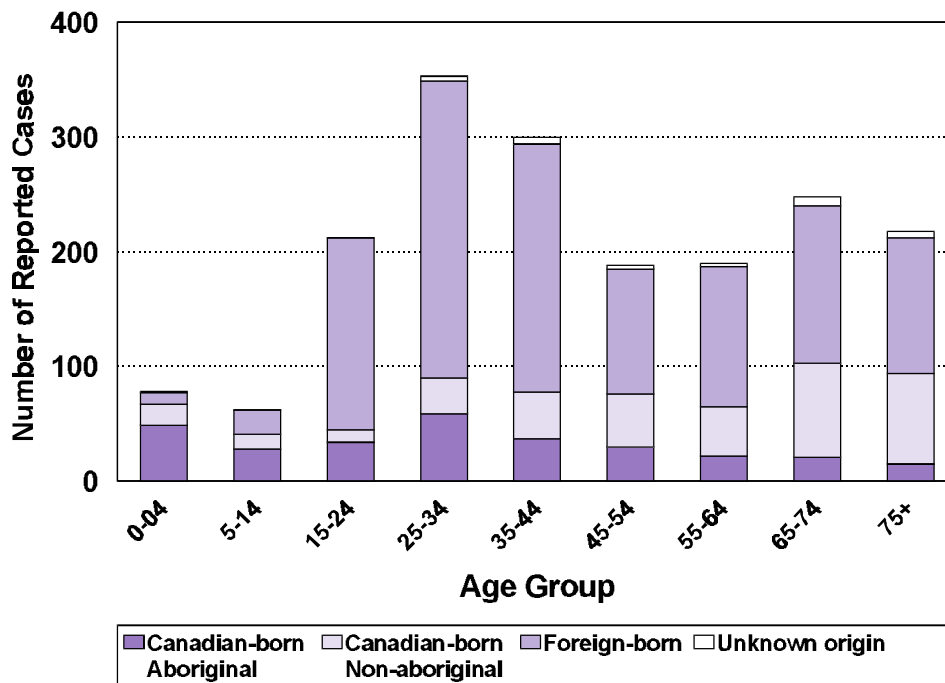


Figure 8

Distribution of New Active and Relapsed Tuberculosis Cases by Origin and Main Diagnostic Site - Canada: 1996 (n=1,849)

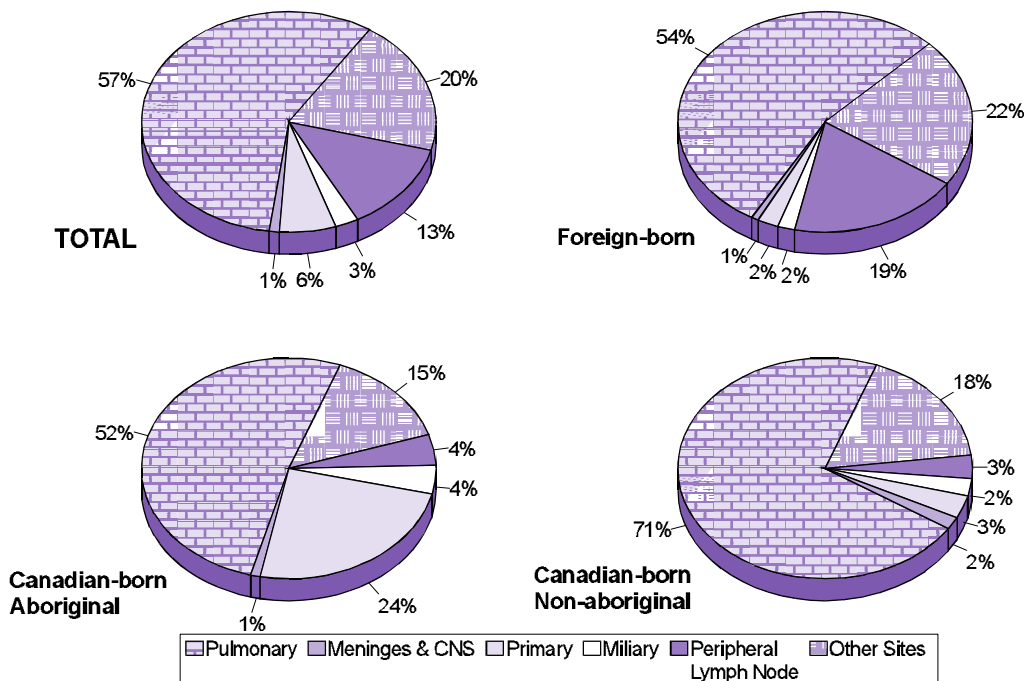


Table 1A
Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 - Canada and Provinces/Territories: 1985-1996

Year of Diagnosis	CANADA	Province/Territory												
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
1985	Cases	34	1	31	38	586	643	144	145	178	334	1	9	
	Rate	8.3	0.8	3.5	5.2	8.8	6.9	13.3	14.1	7.4	11.2	4.1	16.4	
1986	Cases	56	3	36	20	503	657	136	152	209	346	4	23	
	Rate	8.2	2.3	4.0	2.7	7.5	6.9	12.4	14.7	8.6	11.5	16.2	41.5	
1987	Cases	34	1	30	24	432	645	125	157	205	298	1	20	
	Rate	7.4	0.8	3.3	3.3	6.3	6.7	11.4	15.1	8.4	9.7	3.8	35.9	
1988	Cases	65	4	26	18	423	635	111	149	176	300	4	36	
	Rate	7.2	3.1	2.9	2.5	6.2	6.4	10.0	14.4	7.1	9.6	14.9	64.0	
1989	Cases	42	5	30	29	420	711	100	216	133	288	5	56	
	Rate	7.4	3.8	3.3	3.9	6.0	7.0	9.0	21.1	5.3	9.0	18.3	97.3	
1990	Cases	28	1	23	34	412	730	92	223	156	265	10	23	
	Rate	7.2	0.8	2.5	4.6	5.9	7.0	8.3	22.1	6.1	8.1	35.7	38.8	
1991	Cases	34	3	17	27	400	769	101	184	173	280	8	22	
	Rate	7.2	2.3	1.9	3.6	5.6	7.3	9.1	18.3	6.7	8.3	30.9	35.9	
1992	Cases	34	2	13	19	424	822	86	133	222	324	3	27	
	Rate	7.4	1.5	1.4	2.5	5.9	7.7	7.7	13.2	8.4	9.3	9.9	41.6	
1993	Cases	62	5	17	15	352	769	108	153	156	337	3	35	
	Rate	7.0	3.8	1.8	2.0	4.9	7.1	9.6	15.1	5.8	9.4	9.9	55.0	
1994	Cases	14	-	12	16	361	831	116	147	178	324	10	65	
	Rate	7.1	-	1.3	2.1	5.0	7.6	10.3	14.5	6.6	8.8	33.7	100.5	
1995	Cases	11	1	13	9	380	766	109	155	125	308	2	52	
	Rate	6.5	0.7	1.4	1.2	5.2	6.9	9.6	15.2	4.5	8.2	6.6	77.5	
1996	Cases	24	3	15	15	332	753	97	113	140	315	6	36	
	Rate	6.2	2.2	1.6	2.0	4.5	6.7	8.5	11.1	5.0	8.2	19.1	54.1	

Table 1B**Reported New Active Tuberculosis Cases and Incidence Rate per 100,000 - Canada and Provinces/Territories: 1985-1996**

Year of Diagnosis	Province/Territory												
	CANADA	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
1985	Cases	31	1	28	35	534	551	131	123	161	297	1	3
	Rate	7.3	0.8	3.2	4.8	8.0	5.9	12.1	12.0	6.7	9.9	4.1	5.5
1986	Cases	52	1	27	18	470	557	123	135	197	307	4	9
	Rate	7.3	0.8	3.0	2.5	7.0	5.9	11.2	13.1	8.1	10.2	16.2	16.3
1987	Cases	1797	33	1	26	420	570	113	140	195	266	1	12
	Rate	6.8	5.7	0.8	2.9	6.2	5.9	10.4	13.4	8.0	8.7	3.8	21.6
1988	Cases	1771	56	4	24	407	560	102	134	160	271	4	34
	Rate	6.6	9.7	3.1	2.7	5.9	5.7	9.2	13.0	6.5	8.7	14.9	60.4
1989	Cases	1829	37	5	21	407	627	87	203	121	252	3	44
	Rate	6.7	6.4	3.8	2.3	5.9	6.2	7.9	19.8	4.8	7.9	11.0	76.5
1990	Cases	1788	26	-	15	402	614	88	211	144	234	8	19
	Rate	6.4	4.5	-	1.6	5.7	5.9	7.9	20.9	5.6	7.1	28.5	32.0
1991	Cases	1806	32	3	12	382	661	89	170	152	253	8	22
	Rate	6.4	5.5	2.3	1.3	5.4	6.3	8.0	16.9	5.8	7.5	27.4	35.9
1992	Cases	1866	31	2	9	399	692	81	121	201	292	2	20
	Rate	6.5	5.3	1.5	1.0	5.6	6.5	7.2	12.0	7.6	8.4	6.6	32.0
1993	Cases	1772	59	5	14	311	653	95	145	143	304	3	28
	Rate	6.1	10.1	3.8	1.5	4.3	6.0	8.5	14.3	5.3	8.5	9.9	44.0
1994	Cases	1838	12	-	12	306	723	107	141	160	294	9	59
	Rate	6.3	2.1	-	1.3	4.2	6.6	9.5	13.9	5.9	8.0	30.3	91.2
1995	Cases	1726	9	1	10	348	657	97	143	115	290	2	46
	Rate	5.8	1.6	0.7	1.1	4.7	5.9	8.5	14.1	4.2	7.7	6.6	68.4
1996	Cases	1660	21	3	11	294	678	84	109	129	287	4	31
	Rate	5.5	3.7	2.2	1.2	4.0	6.0	7.3	10.7	4.6	7.4	12.7	46.6

NB: Cases for which Activity Status is unknown are included in the total (Table 1A).

Table 1C
Reported Relapsed Tuberculosis Cases and Incidence Rate per 100,000 - Canada and Provinces/Territories: 1985-1996

Year of Diagnosis	Province/Territory												
	CANADA	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
1985	Cases	3	-	3	3	52	92	13	22	17	37	-	6
	Rate	0.5	-	0.3	0.4	0.8	1.0	1.2	2.1	0.7	1.2	-	10.9
1986	Cases	4	2	9	2	33	100	13	17	12	39	-	14
	Rate	0.7	1.6	1.0	0.3	0.5	1.1	1.2	1.6	0.5	1.3	-	25.3
1987	Cases	1	-	4	4	12	75	12	17	10	32	-	8
	Rate	0.2	-	0.4	0.5	0.2	0.8	1.1	1.6	0.4	1.0	-	14.4
1988	Cases	9	-	2	3	16	75	9	15	16	29	-	2
	Rate	1.6	-	0.2	0.4	0.2	0.8	0.8	1.5	0.6	0.9	-	3.6
1989	Cases	5	-	9	7	13	84	13	13	12	36	2	12
	Rate	0.9	-	1.0	0.9	0.2	0.8	1.2	1.3	0.5	1.1	7.3	20.9
1990	Cases	2	1	8	7	10	87	4	12	12	31	2	4
	Rate	0.5	0.8	0.9	0.9	0.1	0.8	0.4	1.2	0.5	0.9	7.1	6.7
1991	Cases	2	-	5	5	18	102	12	14	21	27	-	-
	Rate	0.5	-	0.5	0.7	0.3	1.0	1.1	1.4	0.8	0.8	-	-
1992	Cases	3	-	4	3	25	128	5	12	21	32	1	7
	Rate	0.5	-	0.4	0.4	0.3	1.2	0.4	1.2	0.8	0.9	3.3	11.2
1993	Cases	3	-	3	3	41	114	13	8	13	33	-	7
	Rate	0.5	-	0.3	0.4	0.6	1.1	1.2	0.8	0.5	0.9	-	11.0
1994	Cases	2	-	-	1	55	100	9	6	18	30	1	6
	Rate	0.3	-	-	0.1	0.8	0.9	0.8	0.6	0.7	0.8	3.4	9.3
1995	Cases	2	-	3	1	28	103	12	12	10	18	-	6
	Rate	0.3	-	0.3	0.1	0.4	0.9	1.1	1.2	0.4	0.5	-	9.1
1996	Cases	3	-	3	5	36	72	9	4	11	28	1	5
	Rate	0.6	-	0.3	0.7	0.5	0.6	0.8	0.4	0.4	0.7	3.2	7.5

NB: Cases for which Activity Status is unknown are included in the total (Table 1A).

Table 2A
Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group - Alberta: 1985-1996

Year of Diagnosis	TOTAL	Age Group										Age Unk.
		0 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +		
1985	Cases	74	66	189	340	242	271	320	328	314	-	
	Rate	4.0	1.8	4.2	7.2	6.7	10.6	13.6	20.2	30.5	-	
1986	Cases	85	77	223	352	262	241	297	306	302	-	
	Rate	4.6	2.1	5.0	7.3	7.0	9.3	12.5	18.3	28.3	-	
1987	Cases	69	71	215	368	246	198	265	283	257	-	
	Rate	3.7	1.9	4.9	7.5	6.3	7.5	11.1	16.3	23.1	-	
1988	Cases	45	52	227	384	241	198	260	274	266	-	
	Rate	2.4	1.4	5.4	7.7	6.0	7.3	10.8	15.4	23.1	-	
1989	Cases	105	78	259	341	252	204	256	274	266	-	
	Rate	5.5	2.1	6.2	6.7	6.0	7.3	10.6	15.0	22.1	-	
1990	Cases	135	66	208	400	240	181	244	280	241	2	
	Rate	7.0	1.7	5.1	7.8	5.5	6.2	10.1	15.0	19.3	-	
1991	Cases	119	60	227	399	282	188	223	279	240	1	
	Rate	6.1	1.6	5.6	7.8	6.3	6.2	9.2	14.5	18.5	-	
1992	Cases	108	85	243	405	286	191	224	276	290	1	
	Rate	5.5	2.2	6.0	7.9	6.2	6.0	9.2	14.0	21.8	-	
1993	Cases	95	108	234	386	270	210	214	257	237	1	
	Rate	4.7	2.7	5.8	7.6	5.7	6.2	8.7	12.7	17.3	-	
1994	Cases	92	98	274	411	261	224	212	271	231	-	
	Rate	4.6	2.5	6.8	8.2	5.4	6.4	8.5	13.2	16.4	-	
1995	Cases	91	85	229	325	314	201	209	251	225	1	
	Rate	4.6	2.1	5.7	6.6	6.4	5.4	8.3	12.0	15.3	-	
1996	Cases	78	62	212	353	300	188	190	248	218	-	
	Rate	4.0	1.5	5.2	7.3	5.9	4.9	7.5	11.8	14.2	-	

Table 2B
Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group Males – Canada:
1985-1996

Year of Diagnosis	TOTAL	Age Group										Age Unk.
		0 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +		
1985	Cases	34	36	95	177	141	162	199	200	175	-	
	Rate	3.6	1.9	4.1	7.5	7.7	12.6	17.6	27.5	45.1	-	
1986	Cases	39	36	115	173	164	146	189	216	155	-	
	Rate	4.1	1.9	5.0	7.2	8.6	11.2	16.5	28.8	38.7	-	
1987	Cases	37	32	103	221	141	123	155	170	149	-	
	Rate	3.9	1.7	4.6	8.9	7.2	9.3	13.4	22.0	35.8	-	
1988	Cases	19	21	128	207	145	119	172	159	153	-	
	Rate	2.0	1.1	5.9	8.2	7.1	8.7	14.7	20.1	35.4	-	
1989	Cases	58	39	121	178	146	132	175	160	143	-	
	Rate	6.0	2.0	5.7	6.9	6.9	9.3	14.8	19.6	31.7	-	
1990	Cases	57	33	112	217	130	117	140	161	128	1	
	Rate	5.8	1.7	5.4	8.3	5.9	8.0	11.8	19.2	27.3	-	
1991	Cases	68	31	135	235	162	107	119	179	137	1	
	Rate	6.8	1.6	6.6	9.1	7.2	7.1	9.9	20.8	28.2	-	
1992	Cases	55	35	129	222	178	116	133	157	153	-	
	Rate	5.4	1.8	6.3	8.6	7.7	7.2	11.0	17.7	30.6	-	
1993	Cases	48	62	124	207	154	130	132	144	133	1	
	Rate	4.7	3.1	6.0	8.1	6.5	7.7	10.9	15.8	25.9	-	
1994	Cases	45	52	140	203	151	133	117	150	130	-	
	Rate	4.4	2.6	6.8	8.0	6.3	7.5	9.5	16.0	24.6	-	
1995	Cases	39	40	112	166	191	118	122	145	111	-	
	Rate	3.8	2.0	5.5	6.7	7.7	6.3	9.8	15.2	20.1	-	
1996	Cases	38	35	103	180	155	106	102	143	133	-	
	Rate	3.8	1.7	5.0	7.3	6.1	5.5	8.1	14.8	23.1	-	

Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group Females – Canada: 1985-1996

Year of Diagnosis	TOTAL	Age Group											Age Unk.
		0 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +			
1985	Cases	40	30	94	163	101	109	121	128	139	-		
	Rate	4.4	1.7	4.2	7.0	5.7	8.6	9.9	14.3	21.7	-		
1986	Cases	46	41	108	179	98	95	108	90	147	-		
	Rate	5.1	2.3	5.0	7.5	5.3	7.4	8.8	9.7	22.1	-		
1987	Cases	32	39	112	147	105	75	110	113	108	-		
	Rate	3.5	2.2	5.3	6.1	5.5	5.7	8.9	11.8	15.6	-		
1988	Cases	26	31	99	177	96	79	88	115	113	-		
	Rate	2.8	1.7	4.8	7.2	4.8	5.9	7.1	11.7	15.7	-		
1989	Cases	47	39	138	163	106	72	81	114	123	-		
	Rate	5.1	2.1	6.8	6.5	5.1	5.2	6.6	11.3	16.4	-		
1990	Cases	78	33	96	183	110	64	104	119	113	1		
	Rate	8.3	1.8	4.8	7.2	5.1	4.4	8.4	11.5	14.5	-		
1991	Cases	51	29	92	164	120	81	104	100	103	-		
	Rate	5.4	1.5	4.6	6.5	5.4	5.4	8.4	9.5	12.6	-		
1992	Cases	53	50	114	183	108	75	91	119	137	1		
	Rate	5.5	2.6	5.7	7.3	4.7	4.7	7.4	11.0	16.4	-		
1993	Cases	47	46	110	179	116	80	82	113	104	-		
	Rate	4.8	2.4	5.6	7.2	5.0	4.8	6.6	10.2	12.1	-		
1994	Cases	47	46	134	208	110	91	95	121	101	-		
	Rate	4.8	2.4	6.8	8.5	4.6	5.2	7.6	10.8	11.4	-		
1995	Cases	52	45	117	159	123	83	87	106	114	1		
	Rate	5.4	2.3	5.9	6.5	5.0	4.5	6.8	9.3	12.4	-		
1996	Cases	40	27	109	173	145	82	88	105	85	-		
	Rate	4.2	1.4	5.5	7.2	5.8	4.3	6.8	9.2	8.9	-		

Table 3**Reported New Active and Relapsed Tuberculosis Cases by Birthplace – Canada: 1985-1996**

Birthplace	Year of Diagnosis												
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
Aboriginal													
Status Indian	253	280	283	236	303	295	259	322	260	268	265	218	
Non-Status Indian/Metis	67	69	89	75	73	72	58	39	55	95	56	51	
Inuit	22	22	12	21	34	8	22	26	58	35	24	26	
Total	342	371	384	332	410	375	339	387	373	398	345	295	
Non-aboriginal	941	919	720	724	666	682	670	587	576	490	431	364	
Total	1283	1290	1104	1056	1076	1057	1009	974	949	888	776	659	
Europe	270	223	210	197	199	177	157	168	144	142	135	111	
Africa	27	38	47	61	89	111	142	141	131	173	133	145	
Asia	444	451	385	418	436	573	614	680	686	767	724	779	
S. America	18	21	34	20	20	18	25	32	23	25	30	20	
C. America & Caribbean	51	62	66	57	73	57	59	78	69	73	82	70	
Other birthplace	12	11	9	7	8	4	12	14	8	2	7	7	
Unknown birthplace	39	49	117	131	134	-	-	22	2	4	29	27	
Total	861	855	868	891	959	940	1009	1135	1063	1186	1140	1159	
Unknown birthplace	-	-	-	-	-	-	-	-	-	-	15	31	
TOTAL	2144	2145	1972	1947	2035	1997	2018	2109	2012	2074	1931	1849	

Table 4**Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Main Diagnostic Site – Canada: 1985-1996**

Main Diagnostic Site	Year of Diagnosis												
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	
Pulmonary	Cases	1434	1434	1260	1256	1270	1090	1137	1235	1204	1213	1152	1056
	Rate	5.5	5.5	4.7	4.7	4.6	3.9	4.0	4.3	4.2	4.1	3.9	3.5
Meninges and CNS	Cases	15	17	19	20	16	20	16	20	21	19	23	20
	Rate	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Primary	Cases	119	123	132	98	162	222	195	187	155	143	156	112
	Rate	0.5	0.5	0.5	0.4	0.6	0.8	0.7	0.7	0.5	0.5	0.5	0.4
Miliary	Cases	63	52	47	37	36	61	36	53	48	57	42	48
	Rate	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2
Peripheral Lymph Node	Cases	197	221	230	220	252	224	227	261	282	303	251	246
	Rate	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9	1.0	1.0	0.8	0.8
Other Sites	Cases	316	298	284	316	299	380	407	353	302	339	307	367
	Rate	1.2	1.1	1.1	1.2	1.1	1.4	1.4	1.2	1.0	1.1	1.0	1.2
TOTAL	Cases	2144	2145	1972	1947	2035	1997	2018	2109	2012	2074	1931	1849
	Rate	8.3	8.2	7.4	7.2	7.4	7.2	7.2	7.4	7.0	7.1	6.5	6.2

Table 5A
Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group – Canada and Provinces/Territories: 1996

Age Group	CANADA	Province/Territory												
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
0 – 4	Cases	1	-	-	-	7	17	1	36	5	4	-	7	
	Rate	3.1	-	-	-	1.5	2.3	1.2	50.0	2.5	1.6	-	95.3	
5 – 14	Cases	-	-	-	-	8	23	4	17	2	7	-	1	
	Rate	-	-	-	-	0.9	1.5	2.4	10.5	0.5	1.4	-	7.1	
15 – 24	Cases	2	-	2	1	31	103	3	14	18	31	-	7	
	Rate	2.2	-	1.5	0.9	3.2	7.0	1.9	9.6	4.6	6.1	-	64.8	
25 – 34	Cases	2	-	3	-	58	168	25	26	21	45	-	5	
	Rate	2.2	-	2.0	-	5.0	8.9	14.3	18.3	4.5	7.2	-	38.5	
35 – 44	Cases	1	-	3	-	54	126	24	6	22	55	3	6	
	Rate	1.1	-	1.9	-	4.2	6.7	13.4	3.8	4.4	8.5	48	58.7	
45 – 54	Cases	3	-	1	4	33	66	14	3	19	41	1	3	
	Rate	4.0	-	0.8	4.0	3.3	4.6	10.4	2.7	5.8	8.2	22.3	49.9	
55 – 64	Cases	5	-	-	3	42	63	10	3	15	44	1	4	
	Rate	11.0	-	-	4.7	6.3	6.5	10.8	3.6	7.2	13.5	57.3	133.5	
65 – 74	Cases	7	1	4	3	46	101	8	7	21	47	1	2	
	Rate	20.3	10.6	6.1	5.6	8.6	12.4	9.6	9.1	13.2	16.9	91.6	136.1	
75 +	Cases	3	2	2	4	53	86	8	1	17	41	-	1	
	Rate	11.6	23.7	3.6	9.4	14.6	15.2	11.1	1.4	14.8	19.2	-	176.7	
TOTAL	Cases	24	3	15	15	332	753	97	113	140	315	6	36	
	Rate	4.2	2.2	1.6	2.0	4.5	6.7	8.5	11.1	5.0	8.2	19.1	54.1	

Table 5B**Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group Males - Canada and Provinces/Territories: 1996**

Age Group	Province/Territory										CANADA		
	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC		YUK	NWT
0 - 4	Cases	1	-	-	-	3	8	1	15	3	3	-	4
	Rate	6.1	-	-	-	1.3	2.1	2.4	40.6	2.9	2.4	-	105.2
5 - 14	Cases	-	-	-	-	4	10	2	12	-	6	-	1
	Rate	-	-	-	-	0.8	1.3	2.4	14.6	-	2.4	-	13.7
15 - 24	Cases	1	-	2	-	17	45	2	9	6	16	-	5
	Rate	2.2	-	3.0	-	3.4	6.0	2.5	12.0	3.0	6.2	-	92.8
25 - 34	Cases	1	-	2	-	30	94	15	10	7	18	-	3
	Rate	2.1	-	2.6	-	5.1	9.9	16.8	14.2	3.0	5.7	-	44.6
35 - 44	Cases	-	-	-	-	31	61	12	4	13	30	2	2
	Rate	-	-	-	-	4.8	6.5	13.2	4.9	5.1	9.2	64.6	37.4
45 - 54	Cases	2	-	-	4	20	34	5	1	12	25	1	2
	Rate	5.3	-	-	8.0	4.0	4.8	7.4	1.8	7.1	9.8	42.1	58.3
55 - 64	Cases	2	-	-	2	28	28	4	2	5	28	1	2
	Rate	8.7	-	-	6.4	8.7	5.9	8.8	4.9	4.8	16.9	97.8	125.1
65 - 74	Cases	4	-	2	3	30	57	5	4	10	26	-	2
	Rate	24.3	-	6.8	12.3	12.6	15.3	13.2	11.0	13.3	19.7	-	265.3
75 +	Cases	2	1	-	3	30	53	4	1	8	30	-	1
	Rate	19.2	32.7	-	18.6	23.5	25.0	14.6	3.5	17.8	35.5	-	365.0
TOTAL	Cases	13	1	6	12	193	390	50	58	64	182	4	22
	Rate	4.6	1.5	1.3	3.2	5.3	7.0	8.8	11.4	4.6	9.5	24.8	63.5

Table 5C

Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group Females – Canada and Provinces/Territories: 1996

Age Group	CANADA	Province/Territory												
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
0 – 4	Cases	-	-	-	-	4	9	-	21	2	1	-	3	
	Rate	4.2	-	-	-	1.8	2.5	-	59.9	2.1	0.8	-	84.6	
5 – 14	Cases	-	-	-	-	4	13	2	5	2	1	-	-	
	Rate	1.4	-	-	-	0.9	1.8	2.5	6.3	1.0	0.4	-	-	
15 – 24	Cases	1	-	-	1	14	58	1	5	12	15	-	2	
	Rate	5.5	-	-	1.9	2.9	8.0	1.3	7.0	6.2	5.9	-	36.9	
25 – 34	Cases	1	-	1	-	28	74	10	16	14	27	-	2	
	Rate	7.2	-	1.4	-	4.9	7.9	11.6	22.4	6.1	8.7	-	32.0	
35 – 44	Cases	1	-	3	-	23	65	12	2	9	25	1	4	
	Rate	5.8	-	3.8	-	3.6	6.9	13.5	2.6	3.7	7.7	31.7	82.3	
45 – 54	Cases	1	-	1	-	13	32	9	2	7	16	-	1	
	Rate	4.3	-	1.6	-	2.6	4.5	13.5	3.7	4.3	6.5	-	38.6	
55 – 64	Cases	3	-	-	1	14	35	6	1	10	16	-	2	
	Rate	6.8	-	-	3.1	4.1	7.1	12.9	2.4	9.8	9.9	-	143.1	
65 – 74	Cases	3	1	2	-	16	44	3	3	11	21	1	-	
	Rate	9.2	20.4	5.6	-	5.4	10.0	6.6	7.4	13.1	14.3	224.2	-	
75 +	Cases	1	1	2	1	23	33	4	-	9	11	-	-	
	Rate	8.9	18.6	5.8	3.8	9.8	9.3	8.9	-	12.9	8.5	-	-	
TOTAL	Cases	11	2	9	3	139	363	47	55	76	133	2	14	
	Rate	3.9	2.9	1.9	0.8	3.7	6.4	8.2	10.7	5.5	6.9	13.1	43.9	

Table 6**Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Birthplace in Canada and Provinces/Territories: 1996**

Birthplace	CANADA	Province/Territory											
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Aboriginal		ATLANTIC											
Cases	218	-	-	1	-	5	28	37	69	21	30	6	21
Rate	43.0	5.3			9.4	26.9	48.3	98.7	29.1	31.6	111.1	172.1	
Cases	51	-	-	-	-	-	-	11	29	10	1	-	
Rate	8.1	-			-	-	19.3	68.2	9.8	1.0	-	-	
Cases	26	3	-	-	-	12	-	1	-	-	-	10	
Rate	45.6	34.5			122.4	-	111.1	-	-	-	-	39.2	
Cases	295	3	-	1	-	17	28	49	98	31	31	6	31
Rate	24.7	6.7			10.2	9.4	36.4	86.8	17.5	15.9	81.1	73.3	
Cases	364	16	2	8	15	140	82	15	6	30	47	-	3
Rate	1.5	1.8			2.1	1.0	1.7	0.7	1.4	1.7	-	14.2	
Cases	659	19	2	9	15	157	110	64	104	61	78	6	34
Rate	2.7	3.4	1.5	1.0	2.0	2.3	1.3	6.4	10.7	2.6	2.7	21.3	53.6
Cases	111	-	-	2	-	17	67	1	-	7	17	-	-
Rate	4.7	-	-	8.9	-	5.7	4.9	1.4	-	3.7	4.6	-	-
Cases	145	-	-	2	-	17	107	3	3	8	5	-	-
Rate	58.6	-	-	139.4	-	24.7	85.9	87.0	127.9	45.3	18.1	-	-
Cases	779	4	-	2	-	78	419	28	5	60	183	-	-
Rate	47.6	251.6	-	24.4	-	43.0	50.8	71.7	37.1	42.3	43.6	-	-
Cases	20	-	-	-	-	8	10	-	-	1	1	-	-
Rate	10.8	-	-	-	-	24.7	8.1	-	-	10.0	7.9	-	-
Cases	70	-	-	-	-	44	20	1	-	3	2	-	-
Rate	17.9	-	-	-	-	47.1	8.3	8.3	-	14.7	9.7	-	-
Cases	7	-	-	-	-	1	2	-	-	-	4	-	-
Rate	2.3	-	-	-	-	3.2	1.7	-	-	-	4.7	-	-

Table 6 Cont'd

Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Birthplace Canada and Provinces/Territories: 1996

Birthplace	CANADA	Province/Territory											
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Foreign-born	Cases	-	-	-	-	6	15	-	-	-	4	-	2
	Rate	-	-	-	-	-	-	-	-	-	-	-	-
Unknown birthplace	Cases	4	-	6	-	171	640	33	8	79	216	-	2
	Rate	42.3	-	13.8	-	24.2	22.9	23.7	14.6	19.0	23.2	-	-
Unknown birthplace	Cases	1	1	-	-	4	3	-	1	-	21	-	-
	Rate	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	Cases	24	3	15	15	332	753	97	113	140	315	6	36
	Rate	6.2	2.2	1.6	2.0	4.5	6.7	8.5	11.1	5.0	8.2	19.1	54.1

Table 7

Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Main Diagnostic Site - Canada and Provinces/Territories: 1996

Main Diagnostic Site	CANADA	Province/Territory											
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Pulmonary	Cases	14	3	11	11	229	402	57	33	81	184	5	26
	Rate	2.5	2.2	1.2	1.4	3.1	3.6	5.0	3.2	2.9	4.8	15.9	39.1
Meninges and CNS	Cases	-	-	-	-	5	11	-	1	3	-	-	-
	Rate	-	-	-	-	0.1	0.1	-	0.1	0.1	-	-	-
Primary	Cases	-	-	-	-	2	37	2	55	2	9	-	5
	Rate	-	-	-	-	0.0	0.3	0.2	5.4	0.1	0.2	-	7.5
Miliary	Cases	-	-	1	-	6	8	4	3	4	22	-	-
	Rate	-	-	0.1	-	0.1	0.1	0.3	0.3	0.1	0.6	-	-
Peripheral Lymph Node	Cases	1	-	1	1	-	151	14	9	21	47	1	-
	Rate	0.2	-	0.1	0.1	-	1.3	1.2	0.9	0.8	1.2	3.2	-
Other Sites	Cases	9	-	2	3	90	144	20	12	29	53	-	5
	Rate	1.6	-	0.2	0.4	1.2	1.3	1.7	1.2	1.0	1.4	-	7.5
TOTAL	Cases	24	3	15	15	332	753	97	113	140	315	6	36
	Rate	4.2	2.2	1.6	2.0	4.5	6.7	8.5	11.1	5.0	8.2	19.1	54.1

Table 8
Reported New Active and Relapsed Tuberculosis Cases by Birthplace, Sex and Age Group – Canada: 1996

Birthplace	TOTAL	Age Group																		
		< 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +									
Aboriginal																				
Male	118	3	17	16	14	20	16	13	7	5	7									
Female	100	1	22	4	9	19	12	12	9	9	3									
Total	218	4	39	20	23	39	28	25	16	14	10									
Non-status Indian/Metis																				
Male	31	-	2	3	6	7	5	1	1	3	3									
Female	20	-	3	4	-	5	2	1	2	1	2									
Total	51	-	5	7	6	12	7	2	3	4	5									
Inuit																				
Male	12	-	-	1	3	2	1	1	2	2	-									
Female	14	-	1	-	2	6	1	2	1	1	-									
Total	26	-	1	1	5	8	2	3	3	3	-									
Total	161	3	19	20	23	29	22	15	10	10	10									
Female	134	1	26	8	11	30	15	15	12	11	5									
Total	295	4	45	28	34	59	37	30	22	21	15									
Male	231	-	9	3	4	22	27	36	28	55	47									
Female	133	-	9	10	7	9	14	10	15	27	32									
Total	364	-	18	13	11	31	41	46	43	82	79									
Male	392	3	28	23	27	51	49	51	38	65	57									
Female	267	1	35	18	18	39	29	25	27	38	37									
Total	659	4	63	41	45	90	78	76	65	103	94									
Male	62	-	-	-	2	6	5	4	14	19	12									
Female	49	-	-	-	2	5	3	6	6	11	16									
Total	111	-	-	-	4	11	8	10	20	30	28									
Male	79	-	2	4	17	37	13	3	1	2	-									
Female	66	-	-	-	25	24	8	1	4	4	-									
Total	145	-	2	4	42	61	21	4	5	6	-									
Foreign-born																				

Table 8 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace, Sex and Age Group – Canada: 1996

Birthplace	TOTAL	Age Group										
		< 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +	
Asia	Male	2	1	7	50	66	66	35	40	47	55	
	Female	-	4	7	54	93	85	46	46	46	29	
	Total	2	5	14	104	159	151	81	86	93	84	
S. America	Male	-	-	-	1	5	2	1	2	1	-	
	Female	-	-	-	1	2	3	-	1	-	1	
	Total	-	-	-	2	7	5	1	3	1	1	
C. America & Caribbean	Male	-	-	1	4	10	9	5	3	4	1	
	Female	-	-	1	7	6	12	2	4	1	-	
	Total	-	-	2	11	16	21	7	7	5	1	
Foreign-born Other birthplace	Male	-	1	-	-	-	1	2	-	1	-	
	Female	-	-	-	-	1	-	1	-	-	-	
	Total	-	1	-	-	1	1	3	-	1	-	
Unknown birthplace	Male	-	-	-	2	3	5	2	1	1	4	
	Female	-	-	1	2	1	4	1	-	-	-	
	Total	-	-	1	4	4	9	3	1	1	4	
Total	Male	2	4	12	76	127	101	52	61	75	72	
	Female	-	4	9	91	132	115	57	61	62	46	
	Total	2	8	21	167	259	216	109	122	137	118	
Unknown birthplace	Male	1	-	-	-	2	5	3	3	3	4	
	Female	-	-	-	-	2	1	-	-	5	2	
	Total	1	-	-	-	4	6	3	3	8	6	
TOTAL	Male	6	32	35	103	180	155	106	102	143	133	
	Female	1	39	27	109	173	145	82	88	105	85	
	Total	7	71	62	212	353	300	188	190	248	218	

Table 9**Reported New Active and Relapsed Tuberculosis Cases and Incidence Rate per 100,000 by Age Group and Main Diagnostic Site – Canada: 1996**

Age Group	TOTAL	Main Diagnostic Site						
		Pulmonary	Meninges and CNS	Primary	Miliary	Peripheral Lymph Node	Other Sites	
0 – 4	Cases	23	2	42	3	4	4	
	Rate	1.2	0.1	2.1	0.2	0.2	0.2	
5 – 14	Cases	17	-	29	-	7	9	
	Rate	0.4	-	0.7	-	0.2	0.2	
15 – 24	Cases	120	-	11	2	48	31	
	Rate	3.0	-	0.3	0.0	1.2	0.8	
25 – 34	Cases	195	4	14	5	57	78	
	Rate	4.0	0.1	0.3	0.1	1.2	1.6	
35 – 44	Cases	151	3	4	10	64	68	
	Rate	3.0	0.1	0.1	0.2	1.3	1.3	
45 – 54	Cases	109	5	-	6	28	40	
	Rate	2.8	0.1	-	0.2	0.7	1.0	
55 – 64	Cases	123	1	2	2	17	45	
	Rate	4.8	0.0	0.1	0.1	0.7	1.8	
65 – 74	Cases	154	1	8	14	17	54	
	Rate	7.3	0.0	0.4	0.7	0.8	2.6	
75 +	Cases	164	4	2	6	4	38	
	Rate	10.7	0.3	0.1	0.4	0.3	2.5	
TOTAL	Cases	1056	20	112	48	246	367	
	Rate	6.2	0.1	0.4	0.2	0.8	1.2	

Table 10**Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Main Diagnostic Site – Canada 1996**

Birthplace	TOTAL	Main Diagnostic Site						Other Sites
		Pulmonary	Meninges and CNS	Primary	Miliary	Peripheral Lymph Node		
Aboriginal								
Status Indian	218	104	3	57	10	12	32	
Non-status Indian/Metis	51	28	-	13	2	1	7	
Inuit	26	20	-	2	-	-	4	
Total	295	152	3	72	12	13	43	
Non-aboriginal	364	260	7	12	9	12	64	
Total	659	412	10	84	21	25	107	
Europe	111	75	-	2	1	6	27	
Africa	145	57	-	6	3	37	42	
Asia	779	418	8	18	15	164	156	
S. America	20	17	-	-	-	-	3	
C. America & Caribbean	70	41	1	-	1	7	20	
Other birthplace	7	5	-	-	1	-	1	
Unknown birthplace	27	16	-	1	1	4	5	
Total	1159	629	9	27	22	218	254	
Unknown birthplace	31	15	1	1	5	3	6	
TOTAL	1849	1056	20	112	48	246	367	

Table 11
Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Activity Status – Canada: 1998

Birthplace	TOTAL	Activity Status		
		New Active Cases	Relapsed Cases	Unknown Status
Aboriginal				
Status Indian	218	193	21	4
Non-Status Indian/Metis	51	45	6	-
Inuit	26	20	6	-
Total	295	258	33	4
Non-aboriginal	364	315	45	4
Total	659	573	78	8
Europe	111	96	14	1
Africa	145	141	4	-
Asia	779	708	69	2
S. America	20	19	1	-
C. America & Caribbean	70	66	4	-
Other birthplace	7	6	1	-
Unknown birthplace	27	22	4	1
Total	1159	1058	97	4
Unknown birthplace	31	29	2	-
TOTAL	1849	1660	177	12

Table 12**Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status – Canada and Provinces/Territories: 1996**

Bacillary Status	Province/Territory												
	CANADA	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
1. Microscopy positive													
a. Culture positive	636	13	2	3	9	159	218	38	31	50	99	4	10
b. Culture negative	15	1	-	-	-	3	4	1	-	2	4	-	-
c. Culture not done/unk.	38	-	-	2	-	2	23	3	-	7	-	-	1
Total	689	14	2	5	9	164	245	42	31	59	103	4	11
2. Microscopy negative													
a. Culture positive	384	5	1	3	4	82	96	34	14	46	85	-	14
b. Culture negative	116	1	-	-	2	17	18	9	10	15	34	-	10
c. Culture not done/unk.	21	-	-	-	-	1	19	-	-	-	1	-	-
Total	521	6	1	3	6	100	133	43	24	61	120	-	24
3. Microscopy not done/unk.													
a. Culture positive	385	4	-	3	-	54	249	8	9	5	52	1	-
b. Culture negative	46	-	-	-	-	5	10	-	28	1	2	-	-
c. Culture not done/unk.	208	-	-	4	-	9	116	4	21	14	38	1	1
Total	639	4	-	7	-	68	375	12	58	20	92	2	1
TOTAL	1849	24	3	15	15	332	753	97	113	140	315	6	36

Table 13
Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Birthplace – Canada: 1996

Bacillary Status	TOTAL	Birthplace			
		Canadian-born Aboriginal	Canadian-born Non-aboriginal	Foreign-born	Unknown birthplace
1. Microscopy positive					
a. Culture positive	636	95	159	371	11
b. Culture negative	15	-	6	9	-
c. Culture not done/unk.	38	2	9	27	-
Total	689	97	174	407	11
2. Microscopy negative					
a. Culture positive	384	67	74	238	5
b. Culture negative	116	31	23	62	-
c. Culture not done/unk.	21	6	2	13	-
Total	521	104	99	313	5
3. Microscopy not done/unk.					
a. Culture positive	385	30	52	294	9
b. Culture negative	46	28	5	13	-
c. Culture not done/unk.	208	36	34	132	6
Total	639	94	91	439	15
TOTAL	1849	295	364	1159	31

Table 14**Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Main Diagnostic Site –Canada: 1996**

Bacillary Status	Main Diagnostic Site						Other sites
	TOTAL	Pulmonary	Meninges and CNS	Primary	Miliary	Peripheral Lymph Node	
1. Microscopy positive							
a. Culture positive	636	483	5	9	20	49	70
b. Culture negative	15	12	-	-	-	-	3
c. Culture not done/unk.	38	8	-	-	-	15	15
Total	689	503	5	9	20	64	88
2. Microscopy negative							
a. Culture positive	384	290	2	10	11	22	49
b. Culture negative	116	71	-	8	2	7	28
c. Culture not done/unk.	21	9	1	6	1	2	2
Total	521	370	3	24	14	31	79
3. Microscopy not done/unk.							
a. Culture positive	385	99	6	21	5	122	132
b. Culture negative	46	17	-	25	-	1	3
c. Culture not done/unk.	208	67	6	33	9	28	65
Total	639	183	12	79	14	151	200
TOTAL	1849	1056	20	112	48	246	367

Table 15
Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Main Diagnostic Site -Canada and Provinces/Territories: 1996

Main Diagnostic Site	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Pulmonary	a. Culture positive	483	7	2	2	6	124	155	30	21	42	81	4	9
	b. Culture negative	12	-	-	-	3	3	1	-	1	4	-	-	
	c. Culture not done/unk.	8	-	1	-	-	6	-	-	1	-	-	-	
	a. Culture positive	290	5	1	3	3	68	83	21	5	31	62	-	8
	b. Culture negative	71	1	-	-	2	16	15	3	4	3	19	-	8
	c. Culture not done/unk.	9	-	-	-	1	7	-	-	-	-	1	-	-
	a. Culture positive	99	1	-	2	-	11	75	1	-	-	9	-	-
	b. Culture negative	17	-	-	-	3	9	-	-	3	1	1	-	-
	c. Culture not done/unk.	67	-	-	3	-	3	49	1	-	2	7	1	1
Total		1056	14	3	11	11	229	402	57	33	81	184	5	26
Meninges and CNS	a. Culture positive	5	-	-	-	-	-	4	-	1	-	-	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	-
	a. Culture positive	2	-	-	-	1	1	-	-	-	-	-	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	1	-	-	-	-	1	-	-	-	-	-	-	-
	a. Culture positive	6	-	-	-	3	3	-	-	-	-	-	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	6	-	-	-	1	2	-	-	-	3	-	-	-
Total		20	-	-	-	5	11	-	1	3	-	-	-	

Table 15 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Main Diagnostic Site –Canada and Provinces/Territories: 1996

Main Diagnostic Site	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Primary	1. Microscopy positive	a. Culture positive	-	-	-	-	6	-	3	-	-	-	-	-
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-
	2. Microscopy negative	a. Culture positive	10	-	-	-	2	-	4	1	-	-	-	3
		b. Culture negative	8	-	-	-	-	1	3	1	1	-	-	2
		c. Culture not done/unk.	6	-	-	-	6	-	-	-	-	-	-	-
	3. Microscopy not done/unk.	a. Culture positive	21	-	-	-	18	-	3	-	-	-	-	-
		b. Culture negative	25	-	-	-	1	-	24	-	-	-	-	-
		c. Culture not done/unk.	33	-	-	-	5	1	18	-	-	8	-	-
Total		112	-	-	-	37	2	55	2	9	4	3	22	5
Miliary	1. Microscopy positive	a. Culture positive	20	-	-	-	4	3	2	3	-	8	-	-
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-
	2. Microscopy negative	a. Culture positive	11	-	-	-	2	1	2	-	1	5	-	-
		b. Culture negative	2	-	-	-	-	-	-	-	-	2	-	-
		c. Culture not done/unk.	1	-	-	-	1	-	-	-	-	-	-	-
	3. Microscopy not done/unk.	a. Culture positive	5	-	-	-	-	2	-	-	-	3	-	-
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
		c. Culture not done/unk.	9	-	1	-	-	1	-	-	3	4	-	-
Total		48	-	1	-	6	8	4	3	4	22	3	22	5

Table 15 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Main Diagnostic Site -Canada and Provinces/Territories: 1996

Main Diagnostic Site	Bacillary Status	CANADA	Province/Territory												
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
Peripheral Lymph Node	1. Microscopy positive	a. Culture positive	49	1	-	-	-	35	4	1	4	4	-	-	
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	
		c. Culture not done/unk.	15	-	1	-	8	-	-	-	6	-	-	-	
	2. Microscopy negative	a. Culture positive	22	-	-	1	-	2	5	1	6	7	-	-	
		b. Culture negative	7	-	-	-	-	-	1	2	2	2	-	-	
		c. Culture not done/unk.	2	-	-	-	-	2	-	-	-	-	-	-	
	3. Microscopy not done/unk.	a. Culture positive	122	-	-	-	-	86	3	4	3	25	1	-	
		b. Culture negative	1	-	-	-	-	1	-	-	-	-	-	-	
		c. Culture not done/unk.	28	-	-	-	-	17	1	1	-	9	-	-	
Total		246	1	-	1	1	151	14	9	21	47	1	-		
Other Sites	1. Microscopy positive	a. Culture positive	70	5	-	1	3	31	15	2	4	6	-	1	
		b. Culture negative	3	1	-	-	-	1	-	-	1	-	-	-	
		c. Culture not done/unk.	15	-	-	-	2	9	3	-	-	-	-	1	
	2. Microscopy negative	a. Culture positive	49	-	-	-	-	11	7	6	4	7	11	-	3
		b. Culture negative	28	-	-	-	1	3	4	1	9	10	-	-	
		c. Culture not done/unk.	2	-	-	-	-	2	-	-	-	-	-	-	
	3. Microscopy not done/unk.	a. Culture positive	132	3	-	1	-	40	65	4	2	15	-	-	
		b. Culture negative	3	-	-	-	1	-	-	-	1	-	-	-	
		c. Culture not done/unk.	65	-	-	-	4	42	1	2	6	10	-	-	
Total		367	9	-	2	3	90	144	20	29	53	-	5		

Table 15 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Bacillary Status and Main Diagnostic Site -Canada and Provinces/Territories: 1996

Main Diagnostic Site	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
1. Microscopy positive	a. Culture positive	636	13	2	3	9	159	218	38	31	50	99	4	10
	b. Culture negative	15	1	-	-	3	4	1	-	2	4	-	-	
	c. Culture not done/unk.	38	-	-	2	2	23	3	-	7	-	-	1	
2. Microscopy negative	a. Culture positive	384	5	1	3	4	82	96	34	14	46	85	-	14
	b. Culture negative	116	1	-	-	2	17	18	9	10	15	34	-	10
	c. Culture not done/unk.	21	-	-	-	1	19	-	-	-	-	1	-	-
3. Microscopy not done/unk.	a. Culture positive	385	4	-	3	-	54	249	8	9	5	52	1	-
	b. Culture negative	46	-	-	-	5	10	-	-	28	1	2	-	-
	c. Culture not done/unk.	208	-	-	4	9	116	4	4	21	14	38	1	1
Total		1849	24	3	15	15	332	753	97	113	140	315	6	36

Table 16

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory												
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
Aboriginal															
Status Indian															
Canadian-born	1. Microscopy positive	a. Culture positive	69	-	-	-	-	3	7	17	17	6	12	4	3
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-
		c. Culture not done/unk.	2	-	1	-	-	-	-	-	-	-	-	-	1
	2. Microscopy negative	a. Culture positive	43	-	-	-	-	-	-	12	7	6	7	-	11
		b. Culture negative	20	-	-	-	-	-	-	1	4	3	3	-	5
		c. Culture not done/unk.	6	-	-	-	-	-	-	5	-	-	1	-	-
	3. Microscopy not done/unk.	a. Culture positive	25	-	-	-	-	2	8	3	5	1	5	1	-
		b. Culture negative	23	-	-	-	-	-	-	1	-	-	-	-	-
		c. Culture not done/unk.	30	-	-	-	-	-	6	1	14	5	2	1	1
Total Status Indian		218	-	-	1	-	5	28	37	69	21	30	6	21	
Non-status Indian/Metis															
1. Microscopy positive	a. Culture positive	18	-	-	-	-	-	-	5	7	5	1	-	-	
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-	
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	-	
2. Microscopy negative	a. Culture positive	13	-	-	-	-	-	-	5	3	5	-	-	-	
	b. Culture negative	5	-	-	-	-	-	-	1	4	-	-	-	-	
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	-	
3. Microscopy not done/unk.	a. Culture positive	4	-	-	-	-	-	-	-	4	-	-	-	-	
	b. Culture negative	5	-	-	-	-	-	-	-	5	-	-	-	-	
	c. Culture not done/unk.	6	-	-	-	-	-	-	-	6	-	-	-	-	
Total Non-status Indian/Metis		51	-	-	-	-	-	-	11	29	10	1	-	-	

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory												
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
Aboriginal (cont'd)															
Inuit															
Canadian-born (Cont'd)	1. Microscopy positive	a. Culture positive	8	-	-	-	-	4	-	-	-	-	-	4	
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	
	2. Microscopy negative	a. Culture positive	11	1	-	-	-	7	-	-	-	-	-	3	
		b. Culture negative	6	1	-	-	1	-	-	1	-	-	-	3	
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	
	3. Microscopy not done/unk.	a. Culture positive	1	1	-	-	-	-	-	-	-	-	-	-	
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	
Total Inuit		26	3	-	-	-	12	-	1	-	-	-	10		
Total															
Canadian-born (Cont'd)	1. Microscopy positive	a. Culture positive	95	-	-	-	-	7	7	22	24	11	13	4	7
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	
		c. Culture not done/unk.	2	-	1	-	-	-	-	-	-	-	-	1	
	2. Microscopy negative	a. Culture positive	67	1	-	-	-	7	-	17	10	11	7	-	14
		b. Culture negative	31	1	-	-	-	1	1	6	8	3	3	-	8
		c. Culture not done/unk.	6	-	-	-	-	-	5	-	-	-	1	-	-
	3. Microscopy not done/unk.	a. Culture positive	30	1	-	-	-	2	8	3	9	1	5	1	-
		b. Culture negative	28	-	-	-	-	-	-	1	-	27	-	-	-
		c. Culture not done/unk.	36	-	-	-	-	-	6	1	20	5	2	1	1
Total Aboriginal		295	3	-	1	-	17	28	49	98	31	31	6	31	

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Non-aboriginal														
1. Microscopy positive	a. Culture positive	159	10	1	2	9	69	20	6	3	16	22	-	1
	b. Culture negative	6	1	-	-	1	2	-	-	-	1	1	-	-
	c. Culture not done/unk.	9	-	-	1	2	3	1	-	-	2	-	-	-
2. Microscopy negative	a. Culture positive	74	3	1	2	4	32	9	6	1	6	10	-	-
	b. Culture negative	23	-	-	2	8	2	-	-	1	3	5	-	2
	c. Culture not done/unk.	2	-	-	-	1	1	-	-	-	-	-	-	-
3. Microscopy not done/unk.	a. Culture positive	52	2	-	2	-	20	23	1	-	-	4	-	-
	b. Culture negative	5	-	-	-	3	-	-	-	1	-	1	-	-
	c. Culture not done/unk.	34	-	-	1	4	22	1	-	2	4	-	-	-
Total Non-aboriginal		364	16	2	8	15	140	82	15	6	30	47	-	3
Canadian-born														
(Cont'd)	a. Culture positive	254	10	1	2	9	76	27	28	27	27	35	4	8
	b. Culture negative	6	1	-	-	-	1	2	-	-	1	1	-	-
	c. Culture not done/unk.	11	-	-	2	-	2	3	1	-	2	-	-	1
1. Microscopy positive	a. Culture positive	141	4	1	2	4	39	9	23	11	17	17	-	14
	b. Culture negative	54	1	-	-	2	9	3	6	9	6	8	-	10
	c. Culture not done/unk.	8	-	-	-	-	1	6	-	-	-	1	-	-
2. Microscopy negative	a. Culture positive	82	3	-	2	-	22	31	4	9	1	9	1	-
	b. Culture negative	33	-	-	-	-	3	1	-	28	-	1	-	-
	c. Culture not done/unk.	70	-	-	1	4	28	2	20	7	6	1	1	1
Total Canadian-born		659	19	2	9	15	157	110	64	104	61	78	6	34

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Europe	a. Culture positive	44	-	-	-	-	7	30	-	-	2	5	-	-
	b. Culture negative	1	-	-	-	1	-	-	-	-	-	-	-	
	c. Culture not done/unk.	2	-	-	-	-	2	-	-	-	-	-	-	
	a. Culture positive	19	-	-	1	-	5	5	-	-	3	5	-	
	b. Culture negative	6	-	-	-	-	2	1	-	-	3	-	-	
	c. Culture not done/unk.	1	-	-	-	-	1	-	-	-	-	-	-	
	a. Culture positive	25	-	-	-	-	4	19	-	-	-	2	-	
	b. Culture negative	1	-	-	-	-	-	-	-	-	1	-	-	
	c. Culture not done/unk.	12	-	-	1	-	-	8	-	-	1	2	-	
	Total Europe		111	-	-	2	-	17	67	1	-	7	17	-
	Africa	a. Culture positive	37	-	-	1	-	6	23	2	2	3	-	-
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
c. Culture not done/unk.		3	-	-	-	-	3	-	-	-	-	-	-	
a. Culture positive		20	-	-	-	5	9	-	-	1	4	1	-	
b. Culture negative		10	-	-	-	1	5	1	-	-	1	2	-	
c. Culture not done/unk.		5	-	-	-	-	5	-	-	-	-	-	-	
a. Culture positive		57	-	-	-	5	50	-	-	-	-	2	-	
b. Culture negative		1	-	-	-	-	1	-	-	-	-	-	-	
c. Culture not done/unk.		12	-	-	1	-	-	11	-	-	-	-	-	
Total Africa			145	-	-	2	-	17	107	3	3	8	5	-

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory										
			Nfld	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK
Asia													
1. Microscopy positive	a. Culture positive	241	3	-	-	-	37	124	7	1	17	52	-
	b. Culture negative	7	-	-	-	1	1	1	1	1	3	-	
	c. Culture not done/unk.	20	-	-	-	-	14	2	2	4	-	-	
2. Microscopy negative	a. Culture positive	173	1	-	-	-	19	64	11	2	22	54	-
	b. Culture negative	38	-	-	-	2	7	1	1	7	20	-	
	c. Culture not done/unk.	7	-	-	-	-	7	-	-	-	-	-	
3. Microscopy not done/unk.	a. Culture positive	184	-	-	1	-	13	133	4	-	4	29	-
	b. Culture negative	11	-	-	-	2	8	-	-	-	1	-	
	c. Culture not done/unk.	98	-	-	1	-	4	61	2	1	5	24	
Total Asia		779	4	-	2	-	78	419	28	5	60	183	-
S. America													
1. Microscopy positive	a. Culture positive	10	-	-	-	-	4	5	-	-	-	1	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	1	-	-	-	-	1	-	-	-	-	-	
2. Microscopy negative	a. Culture positive	4	-	-	-	-	1	3	-	-	-	-	
	b. Culture negative	3	-	-	-	2	-	-	-	1	-	-	
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	
3. Microscopy not done/unk.	a. Culture positive	1	-	-	-	1	-	-	-	-	-	-	
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	
	c. Culture not done/unk.	1	-	-	-	-	1	-	-	-	-	-	
Total S. America		20	-	-	-	8	10	-	-	-	1	1	-
Foreign-born (cont'd)													

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory											
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
Foreign-born (cont'd)	C. America & Caribbean													
	1. Microscopy positive	a. Culture positive	30	-	-	-	-	24	4	1	-	1	-	-
		b. Culture negative	1	-	-	-	-	-	1	-	-	-	-	-
		c. Culture not done/unk.	1	-	-	-	-	-	-	-	1	-	-	-
	2. Microscopy negative	a. Culture positive	14	-	-	-	10	4	-	-	-	-	-	-
		b. Culture negative	3	-	-	-	2	1	-	-	-	-	-	-
		c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-
	3. Microscopy not done/unk.	a. Culture positive	16	-	-	-	7	7	-	-	-	2	-	-
		b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-
		c. Culture not done/unk.	5	-	-	-	1	3	-	-	1	-	-	-
	Total C. America & Caribbean		70	-	-	-	44	20	1	-	-	3	2	-
	Other birthplace													
	1. Microscopy positive	a. Culture positive	1	-	-	-	-	-	1	-	-	-	-	-
b. Culture negative		-	-	-	-	-	-	-	-	-	-	-	-	
c. Culture not done/unk.		-	-	-	-	-	-	-	-	-	-	-	-	
2. Microscopy negative	a. Culture positive	2	-	-	-	-	1	-	-	-	1	-	-	
	b. Culture negative	2	-	-	-	1	-	-	-	-	1	-	-	
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	
3. Microscopy not done/unk.	a. Culture positive	2	-	-	-	-	-	-	-	-	2	-	-	
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	
Total Other birthplace		7	-	-	-	1	2	-	-	-	4	-	-	

Table 16 Cont'd

Reported New Active and Relapsed Tuberculosis Cases by Birthplace and Bacillary Status – Canada and Provinces/Territories: 1996

Birthplace	Bacillary Status	CANADA	Province/Territory													
			NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT		
Unknown birthplace	1. Microscopy positive	11	-	1	-	-	-	2	2	-	-	1	-	5	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2. Microscopy negative	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3. Microscopy not done/unk.	9	1	-	-	-	-	1	2	1	-	-	-	5	-	-
	b. Culture negative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	c. Culture not done/unk.	6	-	-	-	-	-	-	-	-	-	-	-	6	-	-
Total		31	1	1	-	-	-	4	3	-	-	1	-	21	-	-
TOTAL	1. Microscopy positive	636	13	2	3	9	159	218	38	31	50	99	4	10	10	10
	b. Culture negative	15	1	-	-	-	3	4	1	-	2	4	-	-	-	-
	c. Culture not done/unk.	38	-	-	2	-	2	23	3	-	7	-	-	1	1	1
	2. Microscopy negative	384	5	1	3	4	82	96	34	14	46	85	-	14	14	14
	b. Culture negative	116	1	-	-	2	17	18	9	10	15	34	-	10	10	10
	c. Culture not done/unk.	21	-	-	-	-	1	19	-	-	-	1	-	-	-	-
	3. Microscopy not done/unk.	385	4	-	3	-	54	249	8	9	5	52	1	-	-	-
	b. Culture negative	46	-	-	-	-	5	10	-	28	1	2	-	-	-	-
	c. Culture not done/unk.	208	-	-	4	-	9	116	4	21	14	38	1	1	1	1
Total		1849	24	3	15	15	332	753	97	113	140	315	6	36	36	36

Table 17**Reported New Active and Relapsed Tuberculosis Cases by Method of Detection – Canada and Provinces/Territories: 1996**

Method of Detection	CANADA	Province/Territory												
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
Symptoms	1406	21	3	10	12	256	629	27	71	116	244	1	16	
Post Mortem	23	-	-	-	-	6	4	2	-	1	9	1	-	
Contact Investigation	121	-	-	-	-	18	31	7	15	14	17	1	18	
Special Survey	50	-	-	-	-	22	-	1	-	8	19	-	-	
Routine Screening	81	-	-	-	-	11	27	6	26	1	7	1	2	
Other	168	3	-	5	3	19	62	54	1	-	19	2	-	
TOTAL	1849	24	3	15	15	332	753	97	113	140	315	6	36	

Table 18**Reported New Active and Relapsed Tuberculosis Cases by Method of Detection and Birthplace – Canada 1996**

Method of Detection	TOTAL	Birthplace						
		Canadian-born			Foreign-born			
		Status Indian	Non-Status Indian/Metis	Inuit	Non-aboriginal	Unknown birthplace		
Symptoms	1406	120	31	15	276	938	26	
Post Mortem	23	5	-	-	10	5	3	
Contact Investigation	121	48	12	9	25	26	1	
Special Survey	50	1	-	-	4	45	-	
Routine Screening	81	27	3	2	11	37	1	
Other	168	17	5	-	38	108	-	
TOTAL	1849	218	51	26	364	1159	31	

Table 19**Reported New Active and Relapsed Foreign-born Tuberculosis Cases by Birthplace and Year of Arrival in Canada: 1996**

Birthplace	TOTAL	Year of Arrival											1996	Unk.
		≤ 1960	1961-1970	1971-1980	1981-1985	1986-1990	1991	1992	1993	1994	1995			
Europe	111	41	18	11	7	6	1	2	1	3	4	5	12	
Africa	145	-	2	2	1	33	21	15	5	10	23	26	7	
Asia	779	10	21	102	91	161	50	48	45	74	75	79	23	
S. America	20	-	-	1	4	4	1	-	3	-	4	2	1	
C. America & Caribbean	70	1	5	13	5	16	4	6	6	2	3	9	-	
Other birthplace	7	1	1	1	1	-	-	-	2	-	-	-	1	
Unknown birthplace	27	3	-	3	1	5	-	-	4	-	4	4	3	
TOTAL	1159	56	47	133	110	225	77	71	66	89	113	125	47	

Table 20**Reported Relapsed Tuberculosis Cases by Length of Inactive Interval – Canada and Provinces/Territories: 1996**

Interval	CANADA	Province/Territory												
		Nfld	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT	
< 2 years	9	-	-	-	-	4	-	2	-	1	2	-	-	
2-5 years	11	-	-	-	-	3	-	2	-	5	1	-	-	
6-9 years	4	-	-	-	-	-	-	1	1	-	2	-	-	
10-19 years	12	-	-	-	1	2	-	2	-	-	7	-	-	
20+ years	54	3	-	-	3	18	-	2	3	5	14	1	5	
Unknown	87	-	-	3	1	9	72	-	-	-	2	-	-	
TOTAL	177	3	-	3	5	36	72	9	4	11	28	1	5	

Table 21**Reported New Active and Relapsed Tuberculosis Cases and Number of Diagnoses by Main Diagnostic Site Canada: 1996**

	Main Diagnostic Site							TOTAL
	Pulmonary	Meninges and CNS	Primary	Miliary	Peripheral Lymph Node	Other		
Total Number of Cases	1056	20	112	48	246	367	1849	
All Diagnostic Sites								
Pulmonary	1056	-	-	-	-	-	-	1056
Meninges and CNS	3	20	-	-	-	-	-	23
Primary	4	-	112	-	-	-	-	116
Miliary	10	-	-	48	-	-	-	58
Peripheral Lymph Node	24	1	-	1	246	-	-	272
Pleurisy	29	-	-	-	1	97	-	127
Abdominal	16	-	-	1	-	42	-	59
Bones and Joints	8	-	-	2	1	43	-	54
Genito-urinary	11	-	-	-	-	62	-	73
Other Sites	14	-	-	2	1	130	-	147
Total Number of Diagnoses	1175	21	112	54	249	374	1985	

Table 22

Reported New Active and Relapsed Tuberculosis Cases Reported in 1996 who Died in 1996, by Cause of Death and Provinces/Territories: 1996

Cause of Death	CANADA	Province/Territory											
		NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
TB was underlying cause of death	35	-	-	-	-	9	11	2	2	1	9	1	-
TB contributed to death but was not underlying cause	42	1	-	-	1	18	13	1	-	4	3	-	1
TB did not contribute to death	36	-	-	-	2	10	11	4	1	3	5	-	-
Cause not reported	4	-	-	-	-	-	1	1	-	-	2	-	-
TOTAL	117	1	-	-	3	37	36	8	3	8	19	1	1

Table 23

Reported New Active and Relapsed Tuberculosis Cases Reported in 1996 who Died in 1996, by Age Group and Sex - Canada: 1996

Sex	TOTAL	Age Group									
		0 - 4	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 +		
Male	76	-	-	5	8	5	11	19	28		
Female	41	-	-	1	4	4	6	11	15		
TOTAL	117	-	-	6	12	9	17	30	43		

NB: These numbers are based on number of known deaths at time of reporting.

APPENDIX 1A

Population Estimates by Sex and Age Group – Canada and Provinces/Territories: July 1, 1996

TOTAL													
	CANADA	NEFD	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
0 - 4	1 960 862	31 850	9 025	56 417	45 350	460 657	747 717	82 563	71 992	200 945	244 401	2 599	7 346
5 - 14	4 035 378	79 677	20 182	126 845	101 481	928 133	1 508 690	164 124	161 743	424 698	500 811	4 815	14 179
15 - 24	4 039 184	91 368	19 832	129 987	110 206	981 403	1 479 248	159 432	146 467	393 744	512 287	4 405	10 805
25 - 34	4 854 771	92 362	20 721	149 239	121 627	1 162 927	1 881 616	175 393	142 007	465 143	625 037	5 724	12 975
35 - 44	5 053 882	94 984	20 942	155 771	125 695	1 285 368	1 871 352	179 663	158 479	494 574	650 590	6 249	10 215
45 - 54	3 831 698	74 969	17 146	122 844	99 134	1 008 641	1 420 946	134 638	110 838	329 589	502 449	4 488	6 016
55 - 64	2 545 687	45 264	11 612	81 213	63 389	665 336	965 682	92 309	82 465	206 905	326 771	1 744	2 997
65 - 74	2 109 157	34 478	9 408	65 196	53 243	534 359	812 157	83 058	76 861	159 139	278 697	1 092	1 469
75 +	1 533 012	25 759	8 444	55 284	42 376	362 313	565 017	72 344	71 685	114 791	214 097	336	566
TOTAL	29 963 631	570 711	137 312	942 796	762 501	7 389 137	11 252 425	1 143 524	1 022 537	2 789 528	3 855 140	31 452	66 568
Male													
0 - 4	1 005 906	16 307	4 703	29 171	23 019	236 086	383 155	42 280	36 909	103 432	125 766	1 277	3 801
5 - 14	2 063 172	40 633	10 345	64 803	51 911	474 123	771 978	84 580	82 287	217 379	255 288	2 529	7 316
15 - 24	2 059 780	46 328	9 984	65 963	56 228	501 161	754 499	81 342	75 247	201 552	259 892	2 196	5 388
25 - 34	2 455 492	46 553	10 249	75 667	61 475	593 443	947 197	89 419	70 593	236 563	314 746	2 853	6 734
35 - 44	2 535 668	47 463	10 413	76 665	62 590	646 271	934 861	90 924	80 816	252 557	324 662	3 094	5 352
45 - 54	1 923 007	37 981	8 727	61 846	50 285	502 717	708 544	67 890	56 380	168 172	254 659	2 378	3 428
55 - 64	1 258 119	23 048	5 704	40 219	31 421	323 396	475 269	45 693	40 907	104 558	165 282	1 023	1 599
65 - 74	969 011	16 492	4 514	29 413	24 300	237 895	373 278	37 926	36 342	75 377	132 074	646	754
75 +	574 858	10 403	3 057	20 553	16 088	127 460	211 713	27 353	28 356	44 988	84 471	142	274
TOTAL	14 845 013	285 208	67 696	464 300	377 317	3 642 552	5 560 494	567 407	507 837	1 404 578	1 916 840	16 138	34 646
Female													
0 - 4	954 956	15 543	4 322	27 246	22 331	224 571	364 562	40 283	35 083	97 513	118 635	1 322	3 545
5 - 14	1 972 206	39 044	9 837	62 042	49 570	454 010	736 712	79 544	79 456	207 319	245 523	2 286	6 863
15 - 24	1 979 404	45 040	9 848	64 024	53 978	480 242	724 749	78 090	71 220	192 192	252 395	2 209	5 417
25 - 34	2 399 279	45 809	10 472	73 572	60 152	569 484	934 419	85 974	71 414	228 580	310 291	2 871	6 241
35 - 44	2 518 214	47 521	10 529	79 106	63 105	639 097	936 491	88 739	77 663	242 017	325 928	3 155	4 863
45 - 54	1 908 691	36 988	8 419	60 998	48 849	505 924	712 402	66 748	54 458	161 417	247 790	2 110	2 588
55 - 64	1 287 568	22 216	5 908	40 994	31 968	341 940	490 413	46 616	41 558	102 347	161 489	721	1 398
65 - 74	1 140 146	17 986	4 894	35 783	28 943	296 464	438 879	45 132	40 519	83 762	146 623	446	715
75 +	958 154	15 356	5 387	34 731	26 288	234 853	353 304	44 991	43 329	69 803	129 626	194	292
TOTAL	15 118 618	285 503	69 616	478 496	385 184	3 746 585	5 691 931	576 117	514 700	1 384 950	1 938 300	15 314	31 922

Source: Statistics Canada

APPENDIX 1 B

Population Estimates by Canadian-born Origin and Foreign-born Birthplace – Canada and Provinces/Territories: 1996

TOTAL ¹	CANADA	Nfld	PEI	NS	NB	QUE	ONT	MAN	SASK	ALTA	BC	YUK	NWT
29,963,631	570,711	137,312	942,796	762,501	7,389,137	11,252,425	1,143,524	1,022,537	2,789,528	3,855,140	31,452	66,568	
Canadian-born													
Aboriginal													
Status Indian ²	507,200	Atlantic Region											
NSI/Metis ²	628,400	19,000	53,300	103,900	76,600	69,900	72,100	94,800	12,200				
Inuit ²	57,000	31,700	104,200	186,500	57,000	42,500	102,200	98,000	1,800	4,600			
Total Aboriginal ²	1,192,700	8,700	9,800	6,000	900	600	3,200	2,200	200	25,500			
Non-Aboriginal ⁴	23,637,181	59,400	167,200	296,400	134,500	112,900	177,500	195,000	7,400	42,300			
		2,271,355	6,516,747	8,159,270	869,499	854,747	2,196,088	2,727,705	20,782	21,083			
Total⁴	24,829,881	2,330,755	6,683,947	8,455,670	1,003,999	967,647	2,373,588	2,922,705	26,182	63,383			
Foreign-born													
Europe ⁵	2,366,885	5,245	2,355	22,425	11,600	298,495	1,368,395	70,955	28,290	189,305	366,435	1,810	1,555
Africa ³	247,240	505	75	1,435	535	68,775	124,610	3,450	2,345	17,655	27,610	45	200
Asia ³	1,635,055	1,590	640	8,210	2,690	181,245	824,895	39,060	13,495	141,730	420,140	485	865
C. America and Caribbean ³	390,510	120	100	1,270	530	93,385	239,995	12,115	1,815	20,340	20,665	45	105
S. America ³	185,490	110	30	335	260	32,345	123,420	5,070	1,065	10,020	12,725	50	50
Other ³	308,565	1,890	1,325	9,675	9,595	30,940	115,425	8,855	7,880	36,885	84,850	820	405
Total³	5,133,750	9,465	4,535	43,350	25,215	705,190	2,796,755	139,525	54,890	415,940	932,435	3,270	3,185
Source(s): ¹ Demography Division, Statistics Canada ² Indian and Northern Affairs Canada ³ Demography Division, Statistics Canada (1996 Census) ⁴ Calculated Population Estimates based on statistics from Demography Division, Statistics Canada													

Appendix 2

Serial No. _____

Notification of a New Active or Reactivated Tuberculosis Case

Confidential when completed

PROVINCE/ TERRITORY/ PATIENT ID	1. Reporting province/territory: <input type="text"/>	2. Register case number: <input type="text"/>	3. Unique patient identifier (if name not provided): <input type="text"/>	4. Date of birth Year <input type="text"/> Month <input type="text"/> Day <input type="text"/>	5. Sex M <input type="checkbox"/> F <input type="checkbox"/>
DIAGNOSIS/ TREATMENT	6. Date of diagnosis Year <input type="text"/> Month <input type="text"/> Day <input type="text"/>	7. Date treatment started Year <input type="text"/> Month <input type="text"/> Day <input type="text"/>	8. Drugs prescribed (list all that apply): <input type="checkbox"/> INH <input type="checkbox"/> SM <input type="checkbox"/> EMB <input type="checkbox"/> RMP <input type="checkbox"/> PZA <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> No drug prescribed <input type="checkbox"/> Unknown		
NAME OF PATIENT	9. Surname		Given Names		Birth Surname (Maiden Name)
USUAL RESIDENCE	10. Number	Street	City/Town/Village	Country and Health Unit or DSC	Province/Territory Postal Code
IN CARE FACILITY	11. Resident of long-term care facility? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			Geo. Codes PR <input type="text"/> CD <input type="text"/> FR <input type="text"/> HU/DSC <input type="text"/>	
MARITAL STATUS	12. <input type="checkbox"/> Single <input type="checkbox"/> Married/Common Law <input type="checkbox"/> Separated <input type="checkbox"/> Divorced <input type="checkbox"/> Widowed <input type="checkbox"/> Unknown				
ORIGIN	13. <input type="checkbox"/> Registered Indian <input type="checkbox"/> Unregistered Indian or Métis <input type="checkbox"/> Inuit <input type="checkbox"/> Other		14. Lives on reserve most of the time? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Not applicable		15. Medical Services Branch Number <input type="text"/>
COUNTRY OF BIRTH	16. Birthplace <input type="checkbox"/> Canada <input type="text"/> <input type="checkbox"/> Other (specify): _____		17. If other, year of arrival in Canada <input type="text"/> a) Placed on surveillance upon arrival in Canada? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown b) If yes, was surveillance complied with? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown c) Country of residence during the 5 years prior to entering Canada: _____		
DIAGNOSIS (ICD-9) (Check all boxes that apply and CIRCLE ICD CODE)	18. Respiratory <input type="checkbox"/> Pulmonary: 011.0; 011.1; 011.2; 011.3; 011.4; 011.5; 011.6; 011.7; 011.8; 011.9 <input type="checkbox"/> with associated silicosis (502) <input type="checkbox"/> Miliary: 018.0; 018.8; 018.9 <input type="checkbox"/> Primary: 010.0; 010.1; 010.8; 010.9 <input type="checkbox"/> Pleurisy (tuberculosis): 012.0 <input type="checkbox"/> Other respiratory: 012.1; 012.2; 012.3; 012.8; 137.0		Non-respiratory <input type="checkbox"/> Central nervous system: 013.0; 013.1; 013.8; 013.9; 137.1 <input type="checkbox"/> Abdominal: 014 <input type="checkbox"/> Bone and joint: 015.0; 015.1; 015.2; 015.7; 015.8; 015.9; 137.3 <input type="checkbox"/> Genitourinary: 016.0; 016.1; 016.2; 016.3; 016.4; 016.9; 137.2 <input type="checkbox"/> Other: 017.0; 017.1; 017.2; 017.3; 017.4; 017.5; 017.6; 017.7; 017.8; 137.4		
BACILLARY STATUS	19. Microscopy <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Not done 1. Sputum 2. Bronchial washings 3. Gastric washings 4. Urine <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		20. Culture <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Not done 1. Sputum 2. Bronchial washings 3. Gastric washings 4. Urine <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
DETECTION	21. Method of detection: <input type="checkbox"/> Symptoms <input type="checkbox"/> Contact investigation <input type="checkbox"/> Routine screening <input type="checkbox"/> Special survey <input type="checkbox"/> Post-mortem <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Unknown				
CHEST X-RAY	22. Current chest x-ray results: <input type="checkbox"/> Normal <input type="checkbox"/> Abnormal <input type="checkbox"/> Not done <input type="checkbox"/> Unknown		23. Abnormal results: <input type="checkbox"/> Cavitory <input type="checkbox"/> Non-cavitory <input type="checkbox"/> Not specified		
ACTIVITY STATUS	24. New active case? <input type="checkbox"/> Reactivated case? <input type="checkbox"/>		26. Patient on preventive chemotherapy before? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
	If reactivated case: 25. Year of last active episode: <input type="text"/>		29. Date started: Year <input type="text"/> Month <input type="text"/> Day <input type="text"/>		
	26. Province/territory or country of last active episode: (i) Canada (province or territory): _____ (ii) Outside Canada (country): _____		30. Duration in months: <input type="text"/>		
	27. List anti-tuberculosis drugs administered previously as treatment for more than 90 days. <input type="checkbox"/> INH <input type="checkbox"/> SM <input type="checkbox"/> EMB <input type="checkbox"/> RMP <input type="checkbox"/> PZA <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> No drugs administered <input type="checkbox"/> Unknown		31. Previous BCG vaccination? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, year of last vaccination, if known: <input type="text"/>		
			32. Antibiotic resistance? (see Manual) <input type="checkbox"/> Yes (specify): _____ <input type="checkbox"/> No <input type="checkbox"/> Unknown		
DEATH	33. Patient died? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		34. Date of death Year <input type="text"/> Month <input type="text"/> Day <input type="text"/>		
			34. If yes: <input type="checkbox"/> TB was the underlying cause of death. <input type="checkbox"/> TB contributed to death but was not the underlying cause. <input type="checkbox"/> TB did not contribute to death but was incidental finding.		

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Appendix 3

Technical Notes

METHODOLOGY AND DATA QUALITY REPORT

Data Collection

The Canadian Tuberculosis Reporting System maintained at the Laboratory Centre for Disease Control at Health Canada is derived from records of provincial/territorial tuberculosis registries, upon which the tuberculosis control system in each jurisdiction is based. The reporting system is designed to capture information on every new active or relapsed case of tuberculosis occurring in Canadian residents and visitors. All provinces and territories have legislation requiring physicians, laboratories and other health officials to report cases of tuberculosis to an office of tuberculosis control. In most provinces and territories, information on cases is collected using a standard notification form (see Appendix 2), and reported to the Laboratory Centre for Disease Control annually.

Information is included on age, sex, residence, aboriginal status, country of birth, diagnosis, previous preventive chemotherapy, previous bacillus Calmette-Guérin (BCG) vaccination, bacteriological status and previous treatment. The Federal/Provincial/Territorial Tuberculosis Control Committee is responsible for determining the content of the database. Recent revisions have resulted in the inclusion of more detail on high risk populations, method of detecting the cases, results of chest X-ray, antibiotic resistance and, for deceased persons, information on cause and date of death.

Case reports are completed in the provincial/territorial registries, where codes are entered for diagnosis (using the ICD-9), residence, birthplace and other items. Some provinces have computerized their data, and three provinces currently send data in electronic form.

Data Processing

Case notifications received at the Laboratory Centre for Disease Control are logged, checked for completeness and reasonableness, and filed. Data are captured in a standard format on computer, with validity and correlation edits being an integral part of the data entry program. Lists of cases together with any queries arising from edit failures are returned annually to provincial/territorial directors for review, correction of errors and ascertainment of completeness of case lists for the year.

Calculation of Rates

The rates used in this report have been calculated using population figures provided by the Demography Division of Statistics Canada and Indian and Northern Affairs Canada (see Appendices 1A and 1B). The population estimates have been adjusted for net census undercoverage and include non-permanent residents. For more information, see "Population Figures" in the Definitions of Terms section and reference⁽¹⁾. Because of adjustment of the

population estimates and updates to the reported number of cases in some provinces, case counts and rates appearing in this report may differ slightly from those in previous reports.

Data Quality

Several aspects of data quality affect the usefulness of the data: completeness of reporting (or coverage), completeness of item response, accuracy or validity of responses and timeliness.

Coverage of the tuberculosis reporting system has not been explicitly reviewed at the national level, although there is some evidence that coverage can vary according to the vigilance of the provincial/territorial offices of tuberculosis control in their case-finding efforts.

One form of coverage error may occur if cases that do not meet the criteria for inclusion with regard to case definition or resident status in Canada are included in the national system. Also, tabulations in annual reports may be slightly incomplete because case notifications received after a cut-off date are not included. In this report, the data for 1990, 1991, 1992 and 1993 differ slightly from those presented for these years in previous reports. The changes result from updates to the reported case files.

Of the cases reported to the Laboratory Centre for Disease Control, reporting of most core data items is virtually complete. Reporting is less complete for some of the data items introduced in 1990.

Some limitations should be kept in mind when using and interpreting the data. For the variable referring to "origin", the definitions of "Registered Indian", "Unregistered Indian or Métis", "Inuit" and "Other" as reported on the case notification forms may not strictly correspond to the definitions used by the Census or by Indian and Northern Affairs Canada in estimating corresponding populations. Also the terms "new active" and "relapsed" may be interpreted differently in different provinces/territories; the definitions of these terms were revised effective January 1, 1990 (see Definitions of Terms).

In addition, while data in this report are generally tabulated according to "year of diagnosis," since 1990, Ontario data have been tabulated according to "episode date" (which is the closest approximation of date of onset of illness).

Other Sources of Information

In addition to these annual data on new active and relapsed cases of tuberculosis in Canada, the numbers of tuberculosis cases are presented monthly, based on date of diagnosis, by province, age group and sex as part of the "Notifiable Disease Summary" appearing in the *Canada Communicable Disease Report*.

While the latter series provides useful current information, the consolidated annual data on new and relapsed cases appearing in this report must be considered the more authoritative source of information on tuberculosis in Canada.

DEFINITION OF TERMS

Tuberculosis Registry

The central organization within a province/territory that receives, records and accumulates information on and follows up all reported cases of tuberculosis, and maintains a register of persons with tuberculosis.

Notification

The receipt of a report concerning a new active or relapsed case of tuberculosis meeting the tuberculosis case definition.

Tuberculosis Case Definition

Effective January 1, 1990:

- (a) Cases with *Mycobacterium tuberculosis* complex (i.e. *M. tuberculosis*, *M. bovis* [excluding BCG strain], or *M. africanum*) demonstrated on culture,
- or
- (b) Cases with significant evidence of activity, and preferably a positive (significant) tuberculin reaction even though bacteriological proof has not been demonstrated, such as:
- chest X-ray change compatible with active tuberculosis, including idiopathic pleurisy with effusion,
 - clinically active nonrespiratory tuberculosis (meningeal, bone, kidney, etc.),
 - pathologic or post-mortem evidence of active tuberculosis

New Active and Relapsed Tuberculosis

All cases are classified as either:

New active - No documented evidence or history of previously active tuberculosis,

or

Relapsed - Documented evidence or history of previously active tuberculosis that became inactive.

NOTE: This applies whether the last episode was in or outside of Canada.

Active Tuberculosis

This is defined as:

Absolute - Positive culture for *Mycobacterium tuberculosis*,

or

Probable - In the opinion of the clinician: clinical signs and laboratory tests compatible with active tuberculosis (including pathology, if available).

Inactive Tuberculosis

This is defined as:

Cultures for *Mycobacterium tuberculosis* negative for at least 6 months,

or

In the absence of cultures or chest (or other) X-rays, stable for a minimum of 6 months.

Diagnostic Classification

The classification used is the *International Classification of Diseases, 9th Edition*. Up to five diagnoses per case are captured and presented as Main Diagnostic Site using the following hierarchy: Pulmonary, Meninges and CNS, Primary, Miliary, Peripheral Lymph Node and Other Sites. Based on this classification, a case can have more than one diagnosis.

Deaths

This report contains statistics on deaths from the Canadian Tuberculosis Reporting System, which introduced new questions in 1990 concerning deaths of persons registered as cases of active tuberculosis. These statistics are shown in Tables 22 and 23 and are based on the patient's status at time of reporting (for Ontario they are based on "episode date").

Population Figures

In 1993, Statistics Canada introduced a new series of population estimates that include non-permanent residents and adjustments for net census undercoverage. The series for provinces and territories comprises annual population estimates beginning with 1971.

In this report the 1996 overall population estimates for Canada and provinces/territories by sex and age group are based on adjusted 1991 census data.

Population estimates of Canadian-born Aboriginal people are based on Projections of Population with Aboriginal Ancestry, Canada, Provinces/Regions and Territories, 1991-2016 (Statistics Canada), and Population Projections of Registered Indians, 1991-2015 (Indian and Northern Affairs Canada).

Population estimates of Foreign-born people by birthplace are based on 1996 Census data (Statistics Canada).

The 1996 population estimates of total Canadian-born people are calculated by subtracting the foreign-born census (1996) figures from 1996 population estimates (Statistic Canada).

The 1996 population estimates of Canadian-born non-Aboriginal people are calculated by subtracting the total Aboriginal estimates from total Canadian-born estimates.

Population

Persons whose usual place of residence is somewhere in Canada or who are non-permanent residents. In census years this is the enumerated population adjusted for net census undercoverage, while population estimates are used for intercensal years.

Non-permanent residents

The following five groups of persons residing in Canada, referred to globally as "non-permanent residents", were added to the census population universe in 1991: persons claiming refugee status, persons holding a student authorization, persons holding an employment

authorization, persons holding a minister's permit and all non-Canadian-born dependants of the aforementioned individuals.

Net census undercoverage

The difference between census undercoverage and census overcoverage. The former refers to persons not enumerated in the census but who were part of the census universe, while the latter refers to persons either enumerated more than once or enumerated but not part of the census universe. Undercoverage exceeds overcoverage with few exceptions at all levels of demographic and geographic disaggregation.

More Information

More information on definitions used and coding instructions is available upon request from Tuberculosis Prevention and Control, Laboratory Centre for Disease Control at Health Canada. Medical terminology regarding bacteriological aspects, diagnosis, dissemination, treatment, prevention, screening and control of tuberculosis is well documented in *Canadian Tuberculosis Standards, Fourth Edition*, 1996, available from the Canadian Lung Association⁽²⁾.

References

- (1) *Annual Demographic Statistics*. Statistics Canada Catalogue 91-213.
- (2) *Canadian Tuberculosis Standards, Fourth Edition*. Canadian Lung Association, Ottawa, 1996.