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TUBERCULOSIS IN CANADA



2002

PRE-RELEASE

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INTRODUCTION

To facilitate an earlier release of key national tuberculosis (TB) data, the following tables have been extracted from the Canadian Tuberculosis Reporting System (CTBRS) for the year 2002. Data included in this pre-release report should be considered provisional until publication of the full report *Tuberculosis in Canada 2002*.

HIGHLIGHTS

In 2002, 1,555 cases (5.0 per 100,000) of new active and relapsed TB were reported to the CTBRS. The highest rate of 31.4 per 100,000 was reported in the North region (Yukon Territory, Northwest Territories and Nunavut). TB incidence was lowest in the Atlantic region (Nova Scotia, New Brunswick, Prince Edward Island, Newfoundland and Labrador: 1.1 per 100,000). The three most populous provinces (Ontario, Quebec and British Columbia), which collectively make up 75% of Canada's population, accounted for 75% of the total number of reported cases (Table 1).

By age group, individuals between the ages of 25 and 34 years made up the largest number of reported cases, accounting for 18% of the total (Table 2).

Accurate information on country of origin of TB cases in Canada has been available since 1970. In 2002, TB among foreign-born individuals accounted for 66% of all reported cases in Canada. Canadian-born non-Aboriginal and Canadian-born Aboriginal cases made up 16% and 15% respectively of the reported cases. Birthplace was unknown for 3% of cases (Table 3).

Respiratory TB was the most frequently reported main diagnostic site, representing 66% of reported cases in 2002 (Table 4). TB of the peripheral lymph nodes accounted for 14% of the cases and was the second most commonly reported diagnostic site. Diagnostic site varied by birthplace. The majority of peripheral lymph node cases were in foreign-born individuals from the Western Pacific Region (Table 5).

Table 1

Reported new active and relapsed tuberculosis cases and incidence rate per 100,000 – Canada and provinces/territories: 1992-2002

Year of diagnosis		CANADA	Province/territory							
			Atlantic	Que.	Ont.	Man.	Sask.	Alta.	B.C.	North
1992	Cases	2,108	68	424	822	86	133	222	323	30
	Rate	7.4	2.8	5.9	7.7	7.7	13.2	8.4	9.3	32.3
1993	Cases	2,012	99	352	769	108	153	156	337	38
	Rate	7.0	4.1	4.9	7.1	9.6	15.1	5.8	9.4	40.4
1994	Cases	2,074	42	361	831	116	147	178	324	75
	Rate	7.1	1.7	5.0	7.6	10.3	14.5	6.6	8.8	79.4
1995	Cases	1,931	34	380	766	108	155	126	308	54
	Rate	6.5	1.4	5.2	6.9	9.5	15.3	4.6	8.2	56.2
1996	Cases	1,868	57	332	771	97	113	140	316	42
	Rate	6.3	2.4	4.6	6.9	8.6	11.1	5.0	8.1	42.2
1997	Cases	1,976	34	360	761	96	121	166	405	33
	Rate	6.6	1.4	4.9	6.8	8.4	11.8	5.8	10.2	33.0
1998	Cases	1,791	37	289	724	116	98	158	329	40
	Rate	5.9	1.6	3.9	6.3	10.1	9.5	5.4	8.2	39.9
1999	Cases	1,806	44	314	684	132	116	149	328	39
	Rate	5.9	1.9	4.3	5.9	11.5	11.3	5.0	8.1	39.2
2000	Cases	1,694	25	318	670	98	104	133	285	61
	Rate	5.5	1.0	4.3	5.7	8.5	10.1	4.4	7.0	61.1
2001	Cases	1,703	40	259	634	115	114	116	379	46
	Rate	5.5	1.7	3.5	5.3	10.0	11.2	3.8	9.3	46.5
2002	Cases	1,555	25	282	618	98	89	128	284	31
	Rate*	5.0	1.1	3.8	5.1	8.5	8.8	4.1	6.9	31.4

* Cases and rates for 2002 are provisional until publication of the *Tuberculosis in Canada - 2002* Annual Report.

Table 2

Reported new active and relapsed tuberculosis cases and incidence rate per 100,000 by age group – Canada: 1992-2002

Year of diagnosis		TOTAL	Age group										
			< 1	1 – 4	5 – 14	15 – 24	25 – 34	35 – 44	45 – 54	55 – 64	65 – 74	75 +	Age unk.
1992	Cases	2,108	25	83	85	242	405	286	191	224	276	290	1
	Rate	7.4	6.2	5.3	2.2	6.0	7.9	6.2	6.0	9.2	14.0	21.8	-
1993	Cases	2,012	26	69	108	234	386	270	210	214	257	237	1
	Rate	7.0	6.6	4.3	2.7	5.8	7.6	5.7	6.2	8.7	12.7	17.3	-
1994	Cases	2,074	20	72	98	274	411	261	224	212	271	231	-
	Rate	7.1	5.2	4.5	2.5	6.8	8.2	5.4	6.4	8.5	13.2	16.4	-
1995	Cases	1,931	27	64	85	229	325	314	201	209	251	225	1
	Rate	6.5	7.1	4.0	2.1	5.7	6.6	6.4	5.5	8.3	12.0	15.3	-
1996	Cases	1,868	11	68	63	214	356	304	191	193	250	218	-
	Rate	6.3	2.9	4.3	1.6	5.3	7.5	6.1	5.0	7.6	12.0	14.6	-
1997	Cases	1,976	9	50	58	214	385	292	216	227	246	279	-
	Rate	6.6	2.5	3.2	1.4	5.3	8.2	5.7	5.5	8.8	11.7	18.0	-
1998	Cases	1,791	19	61	71	186	307	302	180	171	235	259	-
	Rate	5.9	3.6	4.0	1.7	4.5	6.7	5.8	4.4	6.4	11.0	16.1	-
1999	Cases	1,806	27	59	63	200	329	260	187	181	236	264	-
	Rate	5.9	7.9	4.0	1.5	4.8	7.4	4.9	4.4	6.6	11.1	15.9	-
2000	Cases	1,694	10	56	42	206	308	277	203	150	199	243	-
	Rate	5.5	2.9	3.5	1.0	5.0	7.0	5.2	4.7	5.3	9.3	14.2	-
2001	Cases	1,703	7	34	70	164	315	274	202	175	213	249	-
	Rate	5.5	2.1	2.4	1.7	3.9	7.2	5.2	4.5	6.0	9.9	14.1	-
2002	Cases	1,555	7	44	40	195	286	248	193	154	189	199	-
	Rate*	5.0	2.2	3.2	1.0	4.7	6.5	4.7	4.2	5.0	8.8	10.9	-

* Cases and rates for 2002 are provisional until publication of the *Tuberculosis in Canada - 2002* Annual Report.

Table 3
Reported new active and relapsed tuberculosis cases by birthplace - Canada and provinces/territories: 2002

Birthplace		CANADA	Province/territory							
			Atlantic	Que.	Ont.	Man.	Sask.	Alta.	B.C.	North
Canadian-born	Aboriginal									
	Status Indian	159	2	-	10	43	53	18	33	-
	Non-Status Indian/Métis	44	1	3	-	3	29	3	3	2
	Inuit	32	3	2	-	-	-	-	-	27
	Total	235	6	5	10	46	82	21	36	29
	Non-Aboriginal	249	14	93	59	19	3	14	47	-
	Total	484	20	98	69	65	85	35	83	29
Foreign-born (WHO region)	Africa	106	1	30	54	9	1	6	5	-
	Americas	62	-	29	29	-	-	2	2	-
	East Mediterranean	109	-	18	69	-	-	14	8	-
	Europe	89	-	14	50	1	2	8	14	-
	South East Asia	194	3	15	112	3	-	14	47	-
	Western Pacific	431	-	43	202	19	1	49	115	2
	Unknown region	33	-	15	18	-	-	-	-	-
	Total	1,024	4	164	534	32	4	93	191	2
Unknown birthplace		47	1	20	15	1	-	-	10	-
TOTAL		1,555	25	282	618	98	89	128	284	31

Cases for 2002 are provisional until publication of the *Tuberculosis in Canada - 2002* Annual Report.

Population data by birthplace unavailable at time of reporting.

Table 4

Reported new active and relapsed tuberculosis cases and incidence rate per 100,000 by main diagnostic site – Canada: 1992-2002

Main diagnostic site		Year of diagnosis										
		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002*
Primary	Cases	193	189	152	163	120	131	130	155	101	114	81
	Rate	0.7	0.7	0.5	0.6	0.4	0.4	0.4	0.5	0.3	0.4	0.3
Miliary/disseminated	Cases	60	58	65	48	57	73	41	38	40	42	50
	Rate	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Respiratory**	Cases	1,351	1,260	1,325	1,244	1,155	1,230	1,150	1,171	1,138	1,124	1,019
	Rate	4.7	4.4	4.5	4.2	3.9	4.1	3.8	3.8	3.7	3.6	3.3
Meninges and CNS	Cases	17	19	18	22	19	25	24	15	15	14	18
	Rate	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Peripheral lymph node	Cases	259	281	301	249	242	266	271	239	254	222	220
	Rate	0.9	1.0	1.0	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.7
Other sites**	Cases	220	202	206	199	263	248	165	180	144	186	167
	Rate	0.8	0.7	0.7	0.7	0.9	0.8	0.5	0.6	0.5	0.6	0.5
Unknown	Cases	8	3	7	6	12	3	10	8	2	1	-
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
TOTAL	Cases	2,108	2,012	2,074	1,931	1,868	1,976	1,791	1,806	1,694	1,703	1,555
	Rate	7.4	7.0	7.1	6.5	6.3	6.6	5.9	5.9	5.5	5.5	5.0

* Cases and rates for 2002 are provisional until publication of the *Tuberculosis in Canada - 2002* Annual Report.

** Respiratory includes pulmonary (with or without silicosis), pleurisy and other respiratory.
Other sites includes abdominal, bones and joints, genitourinary and other non-respiratory.

Table 5**Reported new active and relapsed tuberculosis cases by birthplace and main diagnostic site – Canada: 2002**

Birthplace		TOTAL	Main diagnostic site						
			Primary	Miliary/ disseminated	Respiratory*	Meninges and CNS	Peripheral lymph node	Other sites*	Unknown
Canadian-born	Aboriginal								
	Status Indian	159	32	10	89	2	12	14	-
	Non-Status Indian/Métis	44	8	-	26	-	6	4	-
	Inuit	32	9	-	23	-	-	-	-
	Total	235	49	10	138	2	18	18	-
	Non-Aboriginal	249	11	6	191	3	14	24	-
	Total	484	60	16	329	5	32	42	-
Foreign-born (WHO region)	Africa	106	3	6	69	1	14	13	-
	Americas	62	2	4	42	-	11	3	-
	East Mediterranean	109	2	1	64	2	24	16	-
	Europe	89	2	3	67	1	5	11	-
	South East Asia	194	1	6	124	4	37	22	-
	Western Pacific	431	8	12	280	3	87	41	-
	Unknown region	33	3	1	20	-	5	4	-
	Total	1,024	21	33	666	11	183	110	-
Unknown birthplace		47	-	1	24	2	5	15	-
TOTAL		1,555	81	50	1,019	18	220	167	-

Cases for 2002 are provisional until publication of the *Tuberculosis in Canada - 2002* Annual Report.

* Respiratory includes pulmonary (with or without silicosis), pleurisy and other respiratory.
Other sites includes abdominal, bones and joints, genitourinary and other non-respiratory.