

UPDATE 2012 – TB IN CANADA’S CIRCUMPOLAR REGION

International Circumpolar Surveillance Tuberculosis Working Group (ICS-TB) Meeting

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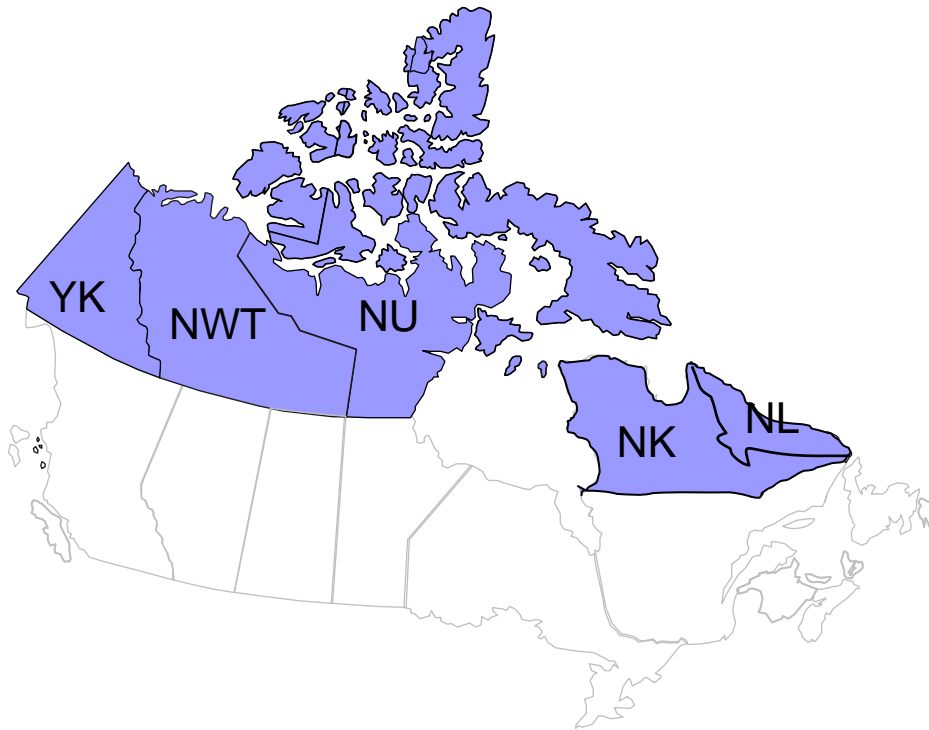
PROTECTING CANADIANS FROM ILLNESS



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Canada



Circumpolar region of Canada:

Yukon (YK)

Northwest Territories (NWT)

Nunavut (NU)

Nunavik (NK - northern region of Quebec)

Northern region of Newfoundland-

Labrador (NL - includes Nunatsiavut)

> 40% of Canada's land mass

< 1% of total pop*. of Canada (~ 150 000)

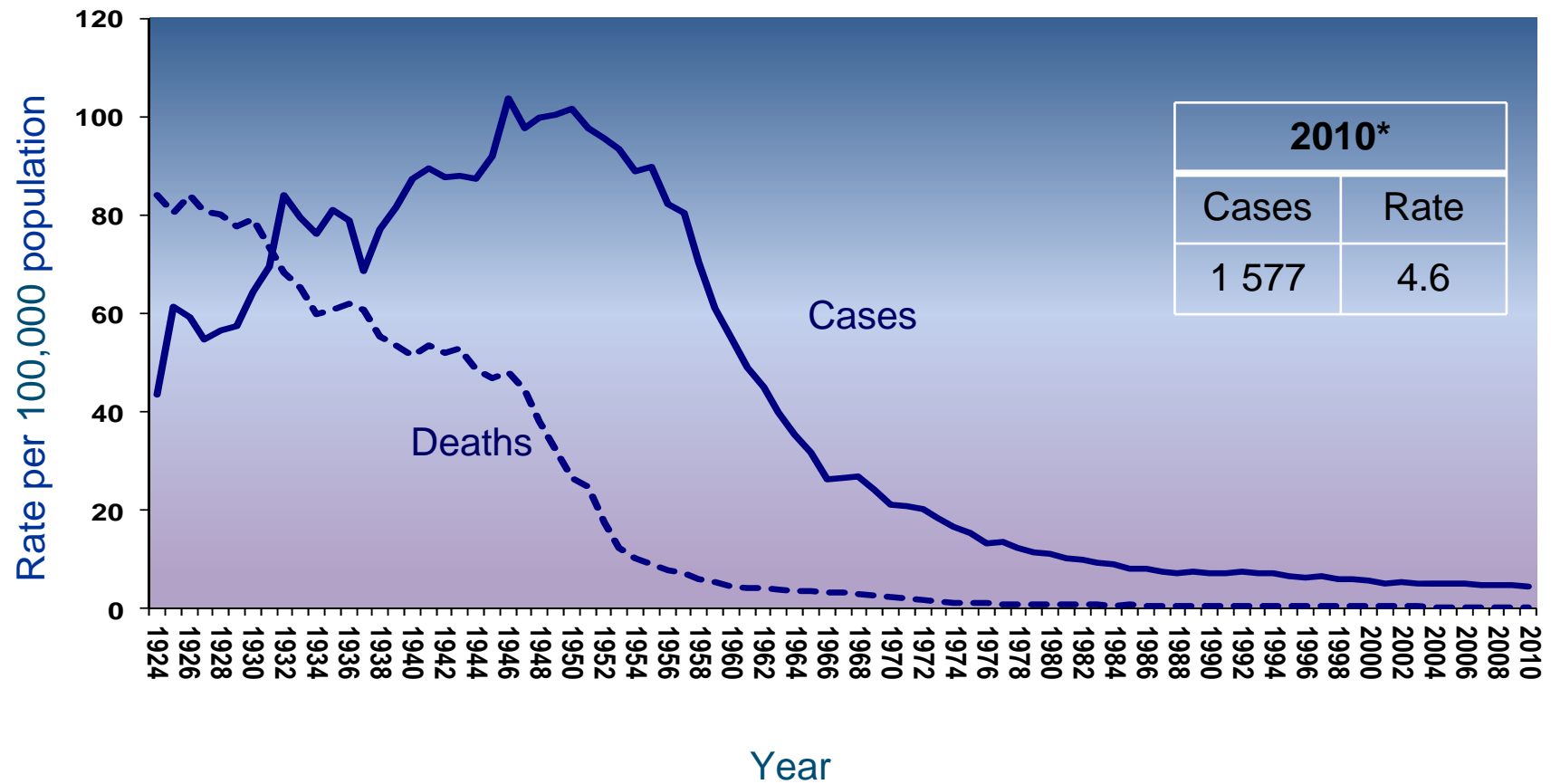
Population density**: <0.1- 0.9 pers/km²

Primarily Aboriginal Peoples (Inuit, Métis, First Nations)

*Canadian population: 33 476 688 (Census 2011)

** Canadian density: 3.7 pers/km² (Census 2011)

Figure 1: Tuberculosis incidence and mortality rates - Canada: 1924-2010



* Provisional data

Figure 2: Tuberculosis incidence by province/territory as compared with the national rate (4.6 per 100,000): 2010

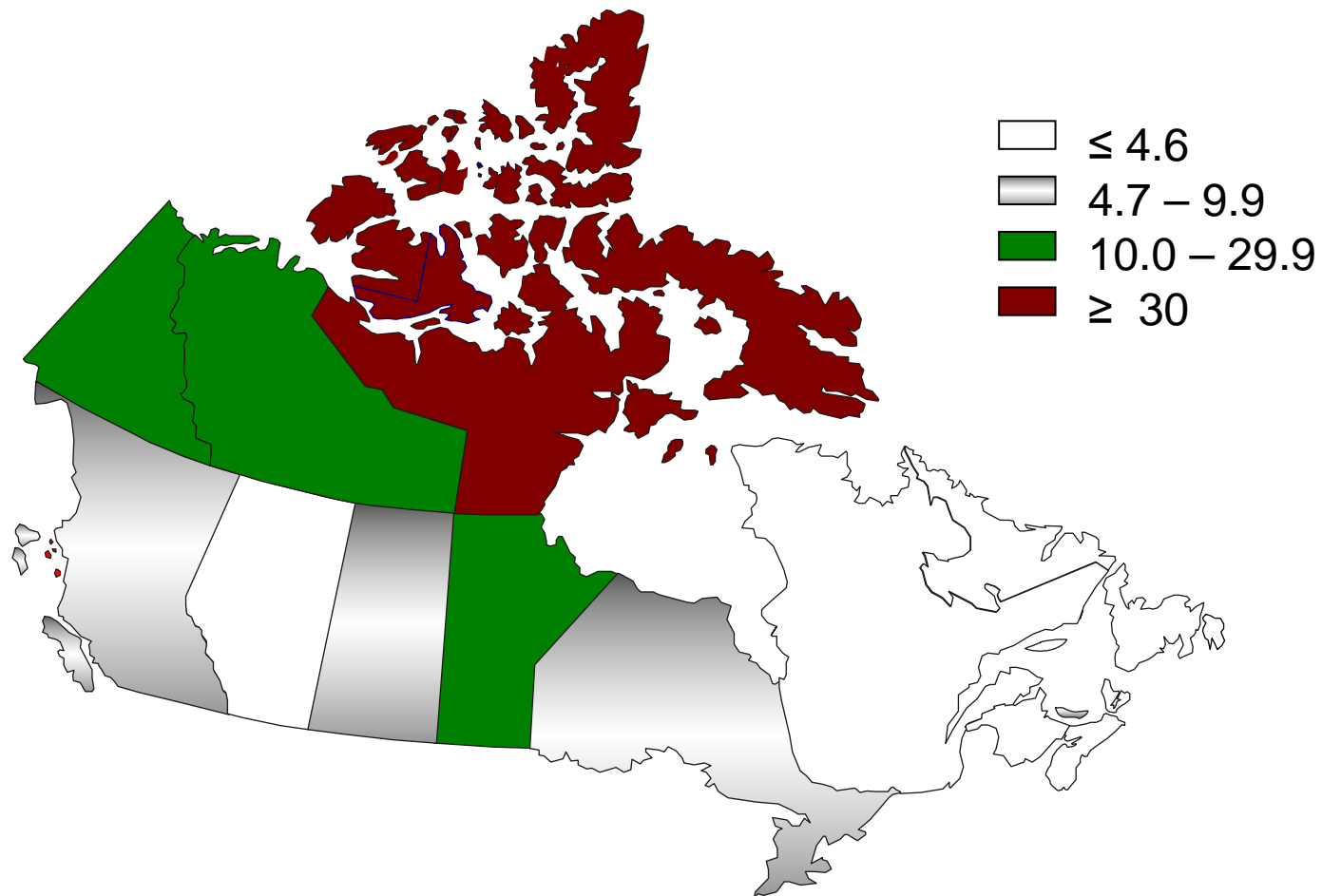


Table 1 : Demographic characteristics of TB cases: 2001 - 2010

Characteristics	Circumpolar	Non-circumpolar	Total
Number of cases (% total number cases)	717 (4.4%)	15,726 (95.6%)	16,443 (100.0%)
Crude rate (per 100,000 population)*	49.4	4.8	5.0
Origin			
Canadian-born Aboriginal	701 (97.8%)	2,309 (14.7%)	3,010 (18.3%)
Canadian-bon non-Aboriginal	8 (1.1%)	2,010 (14.1%)	2,220 (18.3%)
Foreign-born	8 (1.1%)	10,851 (69.0%)	10,849 (13.5%)
Origin not reported	-	354 (2.3%)	354 (2.2%)
Sex ratio (male to females)	1.4	1.2	1.2
Median Age (years)	32.3	45.6	45.1

* 2006 is the most recent year in which specific population estimates were available for all circumpolar regions to calculate incidence rate

Figure 3: Trend in the proportion of total TB cases in Canada from Circumpolar regions : 2001-2010

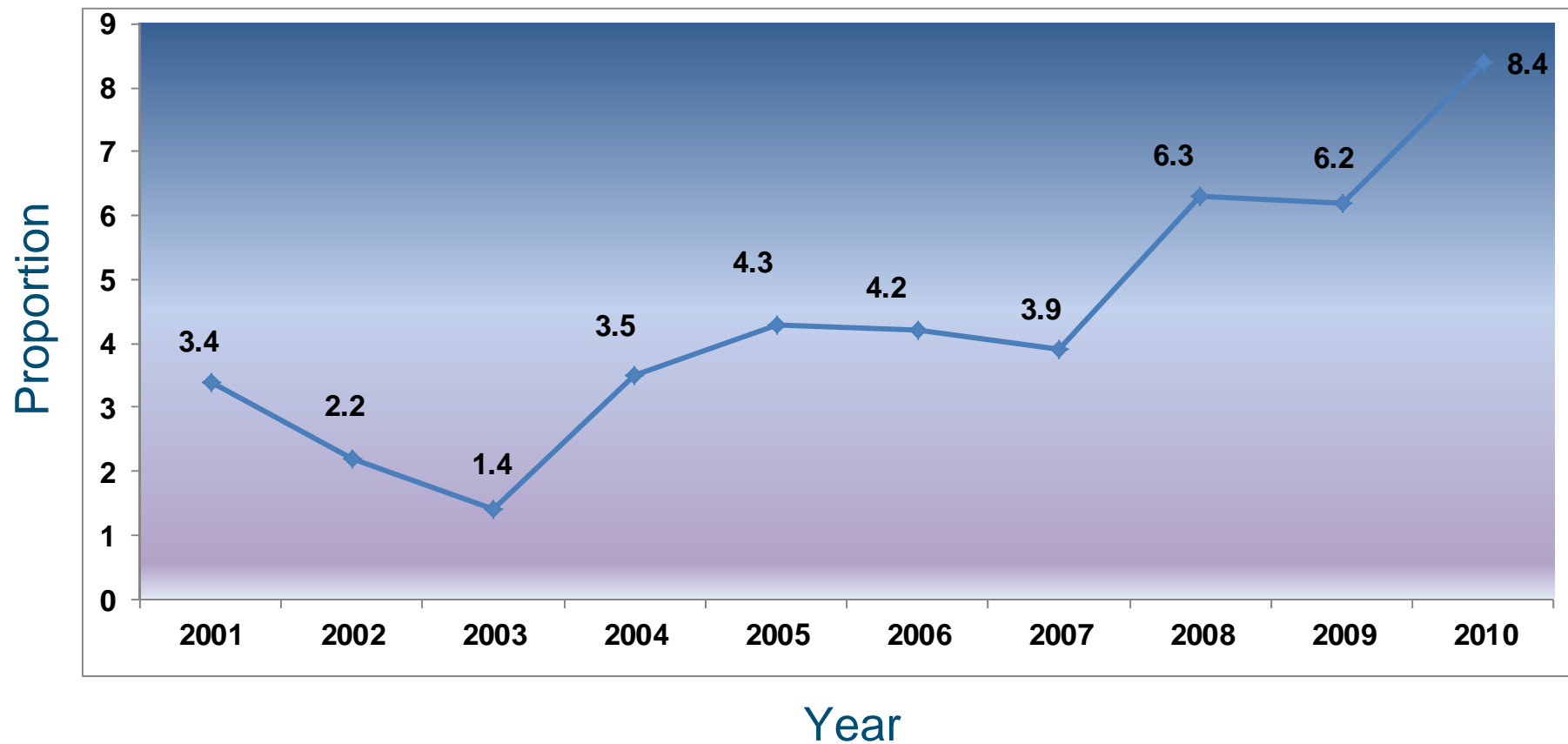


Table 2: Clinical characteristics of TB cases : 2001-2010

Characteristic		Circumpolar	Non-Circumpolar
History of TB Disease	New	631 (88.0%)	14,240 (90.6%)
	Re-treatment	80 (11.2%)	1,102 (7.0%)
	History not recorded	6 (0.8%)	384 (2.4%)
Respiratory		675 (94.1%)	11,451 (73.4%)
Non-Respiratory		42 (5.9%)	4,151 (27.4%)
Pulmonary		536 (74.8%)	9,897 (63.4%)
Extrapulmonary		181 (25.2%)	5,837 (36.6%)
Primary		101 (14.1%)	726 (4.6%)
Any drug resistance		9 (1.3%)	1,111 (7.0%)
MDR-TB		0 (0.0%)	137 (0.9%)
XDR-TB		0 (0.0%)	5 (< 0.1%)

Acknowledgements

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THANK YOU!