

Unit 1: TB Today

Activity 3: TB in Canada

1. Fill in the blanks in the following statements about TB in Canada with the correct numbers.

1.3	18	32	65	80	186
216	314	1,600	8,000	100,000	

a) In Canada, in 2011, the incidence of any form of tuberculosis was only 5 per _____ according to the World Health Organization (WHO). Roughly ____ new cases of TB are reported in Canada each year.

In TB drug sensitivity tests conducted in Canada in 2010, ____% of samples tested were cases of Multidrug Resistant TB (MDR-TB) and 0.08% of Extensively Drug Resistant TB (XDR-TB).

Of ____ identified MDR-TB cases, almost 60% were found in Ontario and almost ____% in British Columbia.

b) In the 1930s and 1940s the death rate among the Native peoples from TB was at least 700 per 100,000 annually, while within residential schools the rate was an astronomical _____ per 100,000 youth.

A 1945 report identified a death rate due to TB among the Inuit at ____ per 100,000. More than one-third of the Inuit population was infected with TB in the 1950s.

Today the Aboriginal peoples of Canada experience TB at a rate ____ times greater than that of the overall Canadian population, and the Inuit at a rate ____ times greater.

c) ____% of active TB cases in Canada occur in foreign-born residents of Canada, though this group makes up only 20% of the population. ____% of the TB cases in Ontario are found among foreign-born residents.

2. What steps does Canada take to ensure that immigrants coming to Canada are healthy?

- i)
- ii)
- iii)

3. List some of the reasons why TB occurs more frequently amongst Aboriginal peoples than Canadian born non-Aboriginals:

- | | |
|------|-----|
| i) | ii) |
| iii) | iv) |
| v) | vi) |

4. Answer the following questions based on the information provided in the chart.

Tuberculosis in Canada, 2008

ORIGIN STATUS	# OF CASES	INCIDENCE RATE (per 100,000)
ABORIGINAL:		
Indian (status)	218	26.6
Indian (non-status)	9	-
Métis	27	8.0
Inuit	88	157.5
CANADIAN-BORN NON-ABORIGINAL	210	0.8
FOREIGN-BORN	987	13.4
TOTAL:	1600	4.8

Source: Table copied from House of Commons Standing Committee on Health, *The Way Forward: Addressing the Elevated Rates of Tuberculosis Infection in On Reserve First Nations and Inuit Communities* (2010), p. 3.

a) Create a bar graph demonstrating the number of cases of TB in Canada in 2008.

b) What is the total number of cases found amongst Aboriginal peoples in 2008? _____

c) How many more cases of TB were found amongst status Indians than amongst the Inuit? _____

d) Foreign born residents of Canada made up 987 of the 1600 TB cases in 2008. What percentage of TB cases does this equal? _____

e) What group had 13.6% of the case of TB in 2008? _____

f) What group has the lowest incidence rate of TB? _____

What group has the highest incidence rate of TB? _____

g) Does the group with the highest incidence rate also have the highest number of TB cases? _____

If no, how is this possible?