

## Thunder Bay DMFT Compared

Using the statistics of the 1992 Status Report on "Communal Water Fluoridation in Ontario", 13 year olds in 8 communities are compared. The communities included in this comparison included; Thunder Bay, Algoma, Porcupine, Kenora-Rainy River, Timiscaming, North Bay, Sudbury, Toronto. *Source: Hettenhausen WK DDS Extraordinary Dental Health In Thunder Bay. Northern Bites.*

**Decayed, Missing and Filled Teeth (DMFT)** is a measurement commonly used to assess dental health in a community. A higher DMFT score indicates a higher prevalence of tooth decay.

Community	DMFT (Decayed, Missing, Filled Teeth)	Artificial Water Fluoridation
Thunder Bay	1.75	No
Toronto	1.97	Yes
Sudbury	2.39	Yes
North Bay	2.22	Yes
Timiscaming	2.01	Yes

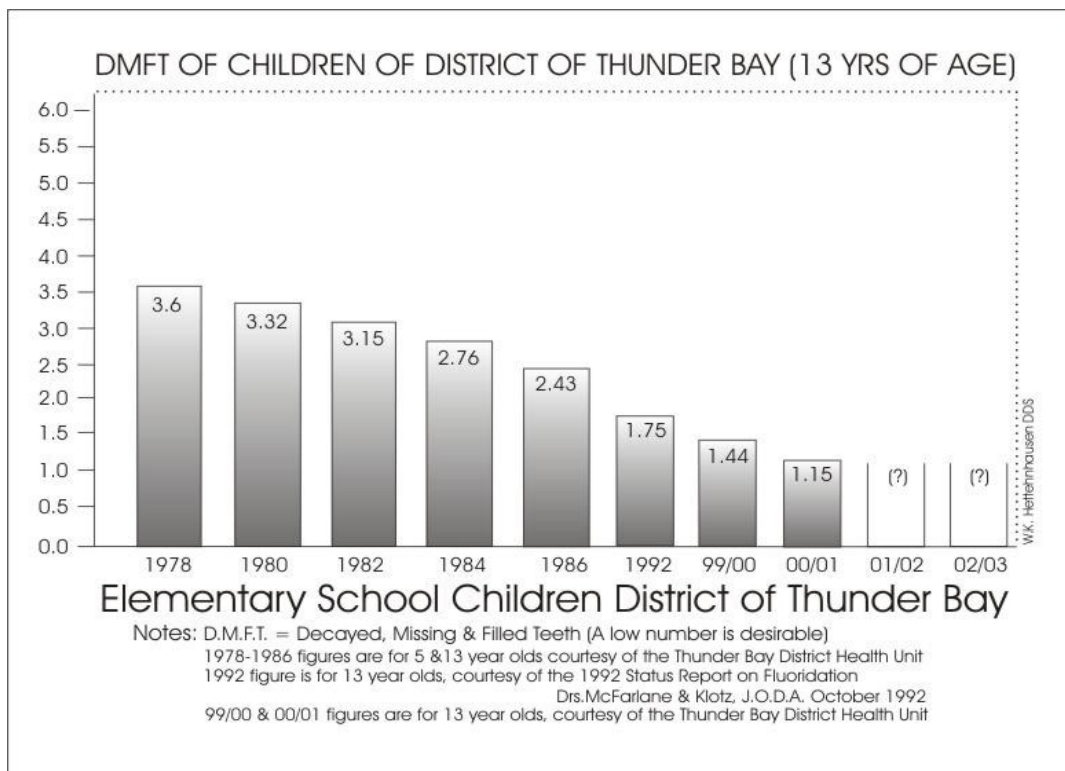
This is raw survey data only. Confounding variables which are known to influence cavities in human populations (e.g. Socio-economic status, nutrition) were not controlled.

Children in Need of Treatment (C.I.N.O.T.) cost per capita in TB was \$1.60 in 1991. CINOT cost per capita in Toronto was \$7.06. (Hettenhausen)

**Nonfluoridated Thunder Bay had better oral health, as assessed by DMFT, than any of the fluoridated communities.**

**This evidence does not demonstrate any beneficial effect for oral health in these communities from the use of artificial water fluoridation.**

The following chart using data from the Thunder Bay District Health Service 1999-2001, and the Ontario 1992 Status Report on Fluoridation, demonstrates how the rate of dental decay (Decayed, Missing, Filled Teeth) has declined steadily in Thunder Bay over the past 3 decades, in the absence of artificial water fluoridation.



**This data parallels data from the WHO which also shows a similar decline in the rate of cavities in fluoridated countries and nonfluoridated countries.**

**Tooth Decay Trends: Fluoridated vs. Unfluoridated Countries**  
 (All data from World Health Organization)

