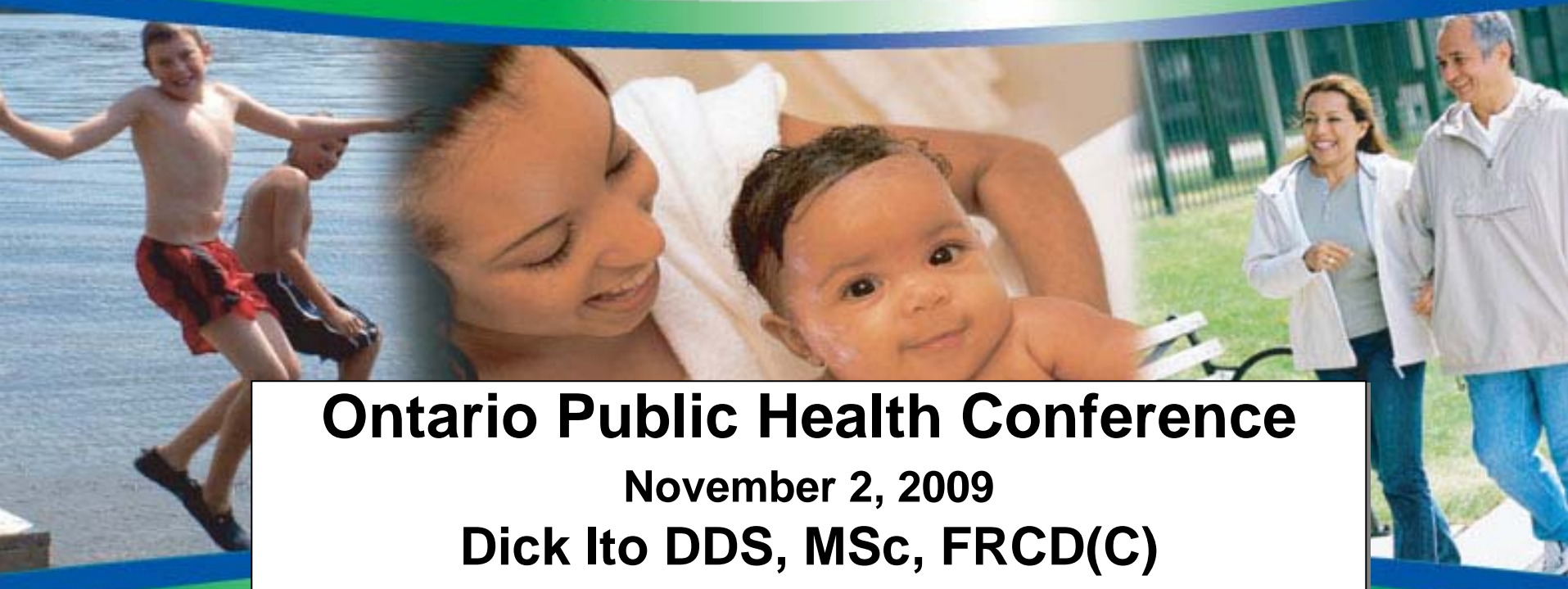


Your Health Connection



**simcoe
muskoka**
DISTRICT HEALTH UNIT

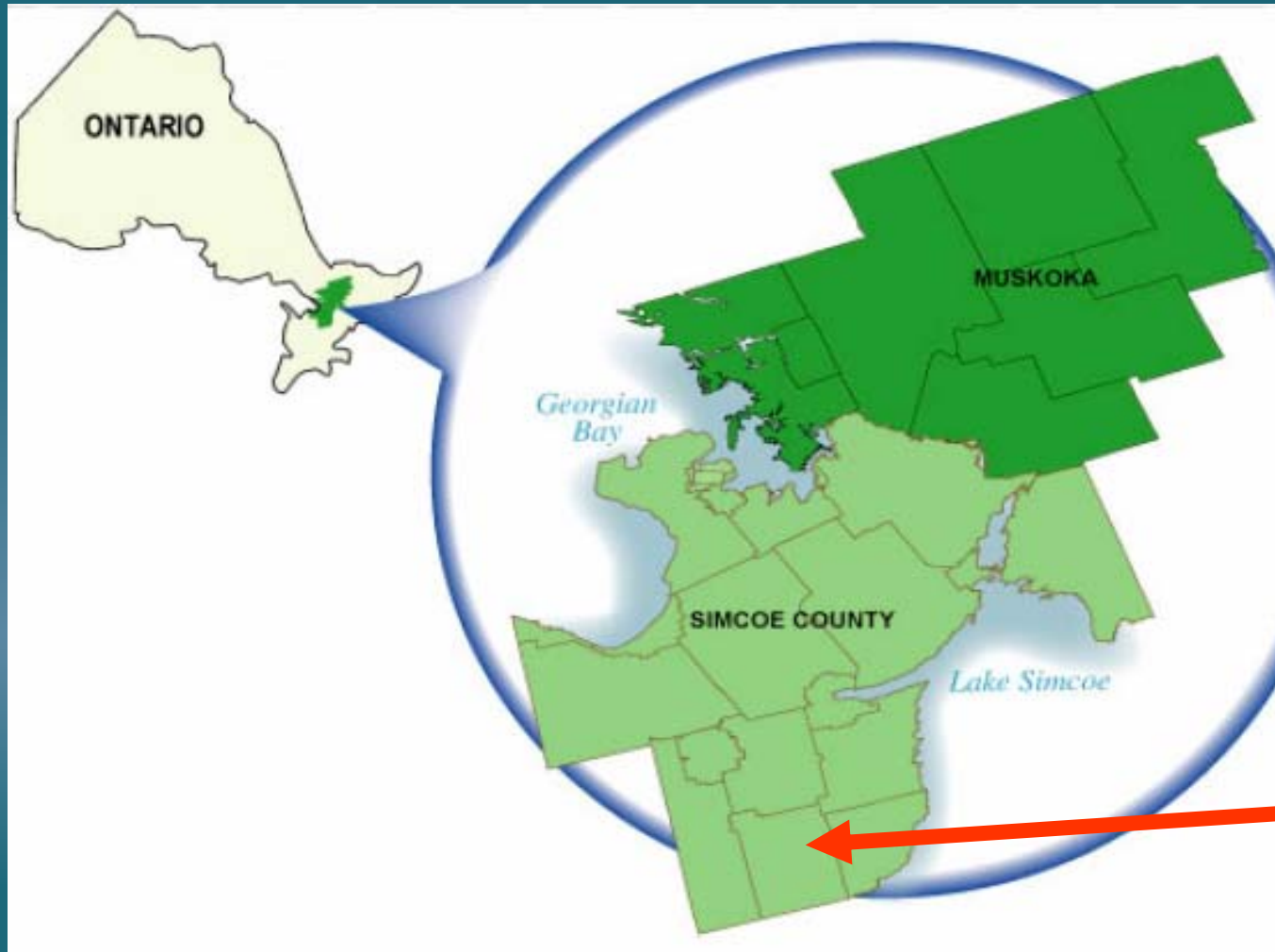


Ontario Public Health Conference
November 2, 2009
Dick Ito DDS, MSc, FRCD(C)

Challenges to Community Water Fluoridation in Ontario

Introduction

Tottenham, New Tecumseth, Ontario



New Tecumseth Times

April 1, 2009

Tottenham water without fluoride

Tottenham Councillor Jim Stone appears to have been successful in getting fluoride removed from Tottenham water.

Stone spoke about the issue last Monday and Monday night he was successful in getting a motion passed to change Tottenham water's Certificate of Approval eliminating fluoride.

Stone told council that when he read the Simcoe Muskoka Health Unit report call the fluoridization of

water one of the ten greatest achievements of the 20th century, "it made me shutter."

He explained that fluoride is an industrial waste product from the making of aluminum and the studies promoting its use for teeth are mostly backed by the aluminum industry.

"It is banned in Europe, and is used to kill rats," Stone added.

It has been connected to bone cancer in young boys

going through their growth spurt and the American Dental Association says that fluoridated water should not be given to young children because of fluorosis of their teeth, Stone contends. Fluoride helps prevent the assimilation of iodine creating great harm to the thyroid gland, Stone added.

Deputy CAO Brendan Holly told Coun. Barbara Huson that those municipalities in York connected to the Toronto water system are on

fluoride and most of the others are not.

He also said that the Ministry of Health makes no recommendation about fluoride and the Ministry of the Environment will process a change to Tottenham's water system if it is requested.

Council supported a motion by Stone and Prothero to remove fluoride from the Tottenham system.

The Alliston-Beeton water system doesn't use fluoride.

Reasons Given For Stopping Fluoridation

Harmful Effects of Fluoride

It is an industrial waste

It is banned in Europe

It is connected to bone cancer

It interferes with iodine uptake

Coordination of Response

SMDHU Medical Officer of Health

Chief Dental Officer of Canada

Local Family Dentist - MSDS

Local Pediatric Dentist - AAPD

Ontario Association of Public Health Dentistry

Royal College of Dental Surgeons of Ontario

Actions Taken

Board of Health support
Communications Department
Presentations and media pieces
Local data
Information package
Face to face meetings
Council Presentations April 20

Council Meeting April 20, 2009

One anti-fluoridation presentation

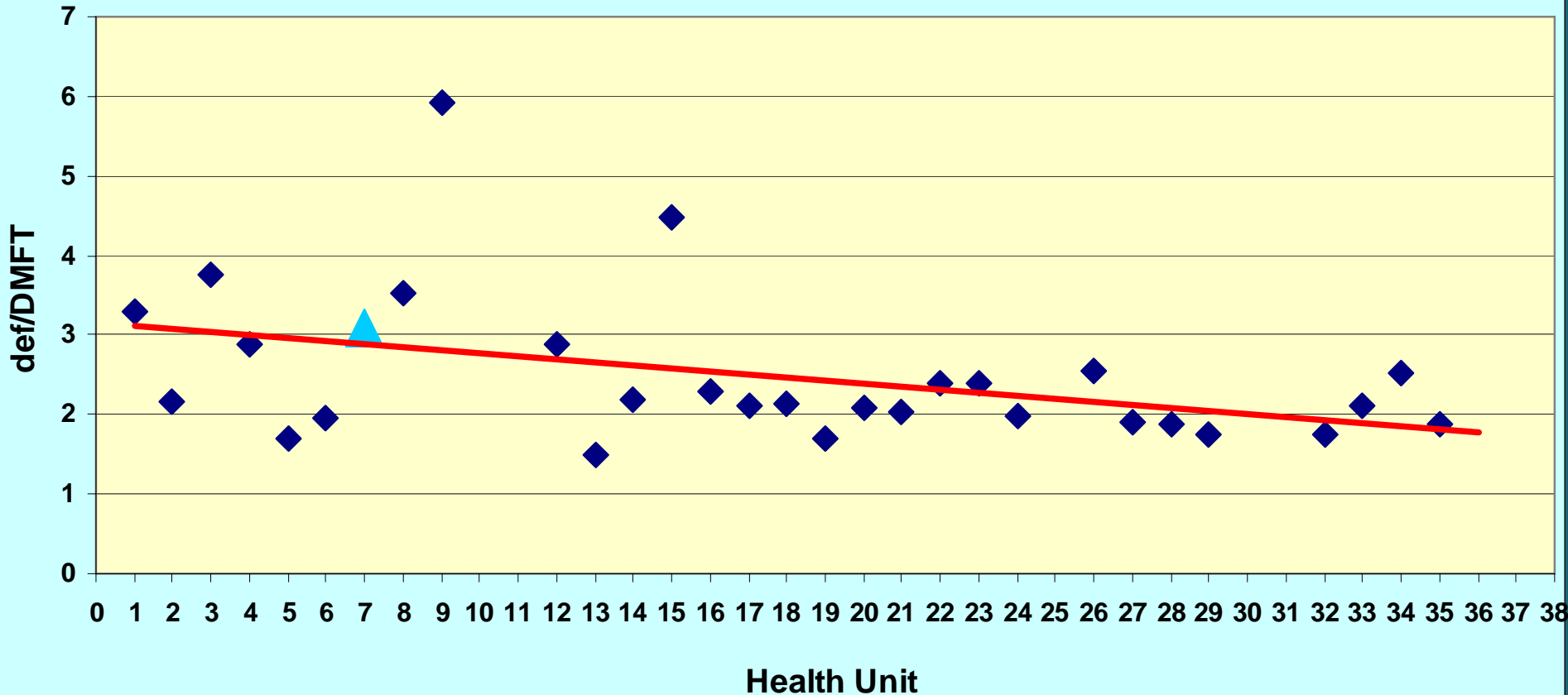
Six pro-fluoridation presentations

April 27 Council voted to continue CWF

Relationship Of Decay Scores In 7-Year-Olds And The % Population With Access To CWF From The 2006-7 DIS

9

def/DMFT of 7-yr-olds by Ontario Health Unit DIS 2006-7



Comparison of Oral Health Status of 13-Year-Olds in Muskoka District and Simcoe County

2001 to 2007 DIS

Dental Index	Muskoka District (N = 39)	Simcoe County (N = 1170)
DMFT	0.82 (95% CI = 0.30 – 1.34)	1.48 (95% CI = 1.34 – 1.61)
% Caries Free	72% (95% CI = 57% - 86%)	49% (95% CI = 47% - 52%)

2007-08 Research Study: Dental Decay in 7-year-olds in Simcoe Muskoka

- ◆ Dental Indices Survey 1879 7-year olds
 - ◆ 765 completed Questionnaires
 - ◆ Fluoridated areas have significantly lower decay rates than non-fluoridated areas ($p < 0.05$)

Fluoridation Status	N	Mean def_DMFT	Mean Caries_free
Fluoridated	311	1.95	58%
Not fluoridated	1568	3.22	42%
Total:	1879		

2007-08 Research Study: Dental Fluorosis in Simcoe Muskoka

TSIF Index	Fluoridated N=251	Non- Fluoridated N=1089
% Any Dental Fluorosis	9.6%	8.0%
% Dental Fluorosis of Aesthetic Concern	2.4%	2.2%

Comparison of Dental Decay in 7-Year-Olds from Tottenham and Rest of New Tecumseth 2007-08

Dental Index	Tottenham (N = 24)	New Tecumseth (excluding Tottenham) (N = 87)
DMFT	1.67	2.16
% Caries Free	54%	49%

Conclusions

Contact
Coordinate
Local participants
Local data

The End

Thank You for Your Attention

Questions will be taken at the end of the panel presentations