Submission to Tecumseh Council for the record and for consideration re: fluoridation

Dr. Hardy Limeback BSc PhD (Biochem) DDS

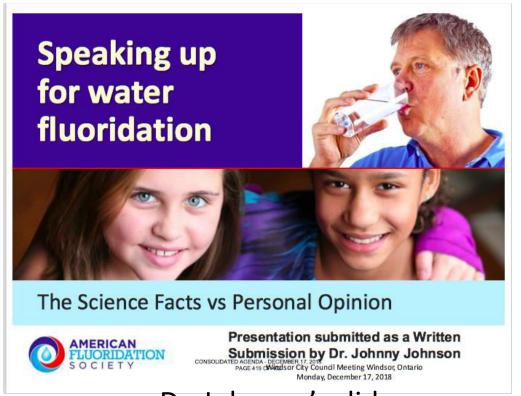
Professor Emeritus, University of Toronto
Former Head of Preventive Dentistry,
Member of the 2006 US NRC Committee on
Fluoride in Drinking Water

Dr. Hardy Limeback Critique

Dear Councilors:

- I am submitting a critique of the slides sent to Windsor by Dr. J. Johnson prior to the decision to re-start fluoridation (my comments in red)
- I am also sending slides of my own for your consideration which you'll find throughout the critique

The *American* Fluoridation Society formed in response to increasing anti-fluoridation sentiment (e.g \approx 6000 professional opposed to fluoridation).



Dr. Steven Slott from the AFS is a social media troll. You'll find him on the comments section of the Windsor online papers.

Dr. Johnson's slide

Dr. Johnson, a retired dentist, is the self-proclaimed president of AFS who is funded by industry to present to town councils wherever fluoridation is being considered.

No 'salary' accepted (except the expenses paid for by the AFS)

d The AFS considers
es weak evidence for
) effectiveness as gospel
Disclosures and evidence of harm
as flawed

Financial: None

 American Fluoridation Society-A group of healthcare professionals that work on a purely volunteer basis to provide evidence-based information on fluoridation

Provide technical assistance and knowledgeable testimony
 when requested
 ever fluoridation is at risk

 Healthcare professionals whose children and grandchildren are growing up drinking fluoridated water



Added a personal element here

CONSOLIDATED AGENDA - DECEMBER, 17, 2018 many dentists actually drink

Dr. Johnson's slide

filtered water at home to avoid fluoridated water



Dr. Johnson's slide

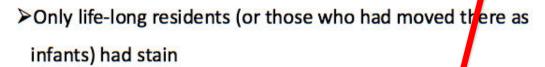
History of Fluoride's Benefits

Everything changed when they decided to add toxic waste byproduct (this century old data was on natural fluoride)

Frederick S. McKay







1908 – began to investigate extent of condition in surrounding areas



CONSOLIDATED AGENDA - DECEMBER 17, 2018
PAGE 421 OF 462 https://www.nidcr.nih.gov/health.nfo/fluoride/the-story-of-fluoridation

Actually only a few less cavities, with most exposed kids with disfigured teeth worse than cavities. In fact there are also more cavities in kids with severe fluorosis.

NONE of these problems occur in countries with adequate access to dental care -America fails to provide basic dental care to the poor and thinks fluoridation is the answer

-it isn't

Fluoridation has been linked to an increase in diabetes

Why do cavities matter?

The most common chronic disease for children and teens. It's at least 2-3 times prore common than asthma and 20x diabetes. Infectious & Transmissible

- Severe pain (toothaches)
- · Difficulty in chewing
- Poor weight gain
- Difficulty concentrating
- Predictor of cavities later in life
- Costly to treat
- Deaths





died from an infected tooth because no American dentist would treat him. He was on Medicaid. The system failed him. He lived in fluoridated Prince George County **M**aryland (next to DC)

Deamonte Driver



Dr. Johnson's slide

These severe cases of dental decay are used for shock value. Showing baby bottle tooth decay is dishonest. Even if fluoridation works it might save ONE of those teeth from decay but they would never get this bad with adequate access to dental care.

Cavities: Unevenly distributed





- Low-income kids are more than twice as likely to experience tooth decay.
- The disadvantaged bear a disproportionate burden of cavities
- Almost 1/3rd of Windsor's children living in poverty

Inner-city kids in fluoridated cites have 2X more dental decay due to many factors unrelated to fluoride

According to research, low socio-economic Book the British British Bure 2012; https://wind.sorstar.com/news/local-news/every-10th status is the main reason for dental decay



Children and Oral Health: Assessing Needs, Coverage, and Access," Kaiser Commission

Somebody made this quote up at the CDC

and it stuck.

Environmentalists and public heath critics say it is one of top 10 disasters of the 21st century

A (big) ounce of prevention

 The CDC has called fluoridation one of "10 great public health achievements of the 20th century."



Many states have mandatory fluoridation -communities should not be forced

Fluoridation reduces tooth decay by 25% over a lifetime — protection beyond what is offered by fluoride toothpaste and other preventive methods.

 Over 211 million U.S. residents, 3 out of 4 people, have access to fluoridated water.



CONSIDER TO THE CONTROL OF A WEBS ENHAGED Up BOTHER On April 26, 2013; CDC's 2014 Fluoridation Statistics; CDC. "Wolfe? Fill of Idation Basics," web content updated on June 17, 2016.)

(Sources: Centers for Disease Control and Prevention, "Ten Great Public Health Achievements in

This translates to only 0.5 to 1 fillings saved per person AFTER A LIFETIME **OF DRINKING FLUORIDATED** WATER -percentages are used to hide how little it works

Proponents of fluoridation claim they have all the science.

and the opponents have NONE?





This is blatantly false

2. <u>No adverse health effects</u> from drinking fluoridated water



Dr. Johnson's slide

It is hard to believe that Dr. Johnson claims "ALL FALSE" despite overwhelming peer-reviewed research



Spencer & Limeback –Medical Hypoth-2018 showed that the NTP rat study was rigged to fail



On over 10 different tests no difference in:

- learning
- memory
- sensory performance
- place preference
- pain perception
- motor performance
- nerve cell death
- brain cell microscopy
- Thyroid hormones
- Heart, liver, kidney, and sexual organs



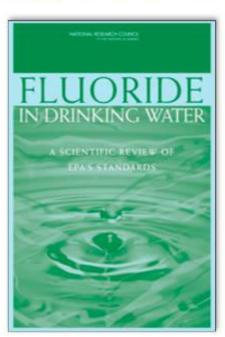
CONSOLIDATED AGENDA - DECEMBER 17, 2018 PAGE 432 OF 462 Dr. Johnson's slide

The NTP review of the literature found moderate evidence of neurotoxicity of fluoride.

Anyone reading our report would be worried about even low fluoride exposure which we reviewed. We recommended lowering the max. Claim: NRC's 2006 report shows CWF is harmful

This is FALSE

As the report explained, the EPA's maximum limit on fluoride is "set at a concentration at which no adverse health effects are expected to occur and the margins of safety are judged 'adequate'."



Dr. Johnson's slide



(Source: "Fluoride in Drinking Water: A Scientific Review of EPA's Standard s," National Research Council, The National Academies CONSOLIDATED AGENDA - DECEMBRISS, 2006) PAGE 435 OF 462

Clearly J. Johnson did NOT read the report The x's certainly do not reflect what is in the report

Was there evidence at 4.0 ppm showing that fluoride had an effect on ...?

- Tooth enamel
- Liver X
- Kidneys X
- Endocrine system X
- Gastrointestinal system
- 🔻 Immune system 💢

- Cancer X
- Musculoskeletal X system
- Reproduction and development
- Neurotoxicity and neurobehavioral
- Genetic damage X

Dr. Johnson's slide



28 % of kids now have moderate dental fluorosis that CAN be seen and 2.8%

have this kind (severe)

Claim: Fluorosis is a "toxic" effect

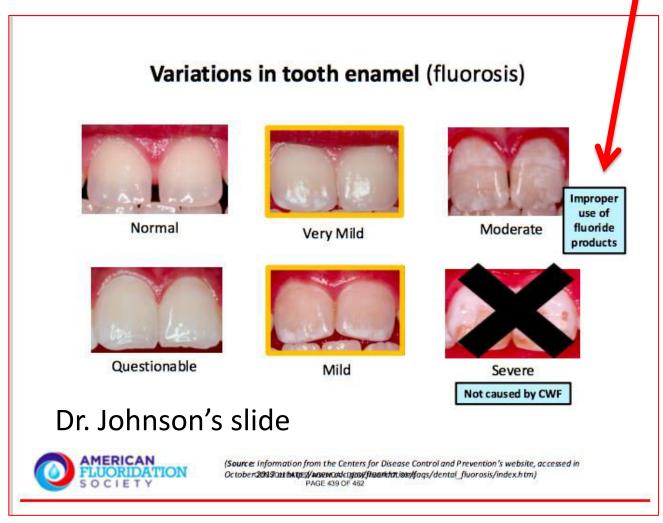
- Dental fluorosis is a change in the appearance of tooth enamel due to a high level of exposure to fluoride during the tooth-forming years.
- Dental fluorosis is typically a mild cosmetic effect that:
 - o does not cause pain
 - does <u>not</u> affect the health or function of the teeth.
 It's so subtle most people don't even notice fluorosis.
- Dental fluorosis can only occur up to age 8, while permanent teeth are developing.

Dr. Johnson's slide



A lifetime accumulation of fluoride in adult teeth makes them brittle and yellow

Significant occurrences of severe fluorosis DOES occur in fluoridated areas



The more fluoride, the more serious dental fluorosis -the majority comes from water (NRC Report)

The Cochrane review was done by dentists, partially funded by the CDC

No randomized clinical trials (estimate based on old, weak studies)

CLAIM: The Cochrane review found no evidence that fluoridation works

 Wrong. Cochrane found that fluoridation reduced decay in baby teeth by 35% and reduced decay in permanent teeth by 26%.



 CDC: Cochrane used strict criteria that excluded "many valid, peer-reviewed studies (that) document the effectiveness of community water fluoridation."

Dr. Johnson's slide



(Sources: Centers for Disease Control and Prevention, "Ten Great Public Health Achievements in the 20th Century" web content updated on April 26, 2013; CDC's 2014 Fluoridation Statistics; CDC, "Water Fluoridation Statistics; CDC, "Water Fluoridation Statistics; CDC," Water Fluoridation Statistics; CDC, "Water Fluoridation Statistics" (Public Content updated on June 17, 2016.)

This is what the CDC now admits.

CLAIM: Fluoride works topically, not by being swallowed



Studies show fluoride works through **both** topical and systemic effects.

- It's beneficial <u>before</u> teeth fully appear in a child's mouth
- Continuous exposure to small amounts of fluoride helps both adults and children by remineralizing the tooth enamel.

No study to support that fluoridation works in adults so this is wishful thinking

Dr. Johnson's slide



(Sources: Numerous studies include: K.A. Singh et al., "Relative Effects of Pre- and Posteruption Water Fluoride on Cares Expensives of Permippent First Molars," Journal of Public Health Dentistry, 2003, Vol. 63, No. 1; "Fluoridatipe Bagis," Centers for Disease Control and Prevention, 2016.)

Fluoridated salt programs have never been shown to work

CLAIM: Europe is 97% fluoridation-free



Don't be misled:

- ✓ Fluoridated water reaches 13 million people in England, Ireland and Spain.
- ✓ Fluoridated salt reaches over 75 million in Germany, France, Belgium and other countries.
- Nearly all European nations use fluoride-rinse programs, fluoridated milk or other targeted fluoride programs.

Dr. Johnson's slide



Most European countries have achieved lower dental decay rates without fluoridation

Claim: CWF is forcible "mass medication"

These are all essential.
-fluoride is not essential.
It's actually a poison.

America has a tradition of fortifying foods and drinks to improve human health:

- ✓ Folic acid
- ✓ Vitamin D
- ✓ Calcium
- ✓ Iodine



- U.S. courts have consistently rejected this argument against fluoridation.
- Medications are used to treat a health problem.
 Fluoridation (**Re chlorination*) is about prevention.

Dr. Johnson's slide





CONSOLIDATED AGENDA - DECEMBER 17, 2018

Claim: Mother nature protects babies from fluoride

This makes no sense.

Fluoride
is NOT
recommend
at all
from birth

Breast feeding is encouraged by leading scientific groups (nutrition, antibodies, etc.).

However... breast milk is not perfect. For example, it lacks sufficient:

- Vitamin D (brittle bones)
- Vitamin K (clotting)
- Iron (anemia)

Infants are recommended to start supplements of these shortly after birth.

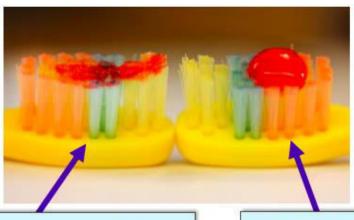


to 6 mo. Dr. Johnson's slide



What the ADA is saying is that fluoride is so poisonous they don't want toddlers to be exposed to more that an extremely small amount of fluoride.

The right amount of fluoride toothpaste



Once teeth appear, parents should use a smear of fluoride toothpaste (roughly a grain of rice) on their child's brush until age 3

For ages 3 to 6, parents should use a pea-sized amount on the toothbrush

Dr. Johnson's slide



(Sources: "ADA Uses Fluoride Toothpaste to Fight High Cavity Rate in Children," a press release issued by the America n Deptiol Association, Feb. 10, 2014; Catherine Saint Louis, "Dental Group Advise: Flyoride Joothpaste Before Age 2," New York Times, Feb. 12, 2014.)

Fluoridation in no way can prevent this kind of decay. This is scare mongering.



Dr. Johnson's slide



It is hard to believe that the Surgeon General would advocate for fluoridated beverages (e.g. fruit drinks, pop) to prevent dental decay, since research shows they WORSEN dental decay

CLAIM: There are better alternatives



"A significant advantage of water fluoridation is that anyone, regardless of socioeconomic level, can enjoy these health benefits during their daily lives...simply by drinking fluoridated water or beverages prepared with fluoridated water."

Dr. David Satcher, U.S. Surgeon General 1998-2002

Dr. Johnson's slide



There is no evidence that fluoridation reduces baby bottle tooth decay or hospital surgeries but the claims are made anyway.

Hospital OR full-mouth restorations are reduced by 2/3 to 3/4 by CWF

- The average cost of treating early childhood decay in hospital ORs in Colorado ranged from \$10,000 to \$15,000 per child
- U.S. and international studies confirm CWF's benefits for children



(Sources: J. Daley, "Tooth Decay: A Silent Epidemic, Especially For Poor Kids in Colo.," Colorado Public Radio, March 12, 2015; An alternative marker for the effectiveness of water fluo ridation: hospital extraction rates for dental decay, a two-region study, Elmer et al, British Dental Journal 2014; 216: E10; J. Dental services, costs, and factors associated with hospitalization for Medicaid eligible children, Louisiana 1996-97. Griffin SO, et al, Public Health Dent. 2000 Winter; 60(1):21-7; Haspitalizations for dental infections - Optimally versus non-optimally fluoridated a reas in Israel. Klivitsky et al, http://jada.ada.org/article/S0002-8177(14)00115-9/)

Dr. Johnson's slide



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The most biased pro-fluoridation website

Reference Websites



www.AmericanFluoridationSociety.org

AFS's website provides a variety of fact sheets and other resources to support the efforts of health professionals and advocates. AFS's officers are volunteers who do not receive salaries for their work.



www.cdc.gov/fluoridation

This is the Centers for Disease Control and Prevention's resources related to community water fluoridation. There are a lot of helpful materials, including FAQs.

Dr. Johnson's slide



Who promotes fluoridation in Canada?

- Health Canada
- The Canadian and Ontario Dental Associations
- Public health dentists
- Public Health Agencies
- All medical officers of health
- etc.

Who is accountable for injury to people from fluoridation?

only municipalities (councilors)

(Ontario Fluoridation Act, Municipal Act, Safe Drinking Water Act)

- water works employees when something goes wrong (Walkerton)
- not Medical Officers of Health (who are paid to promote fluoridation) who can't enforce it and so can't be sued if the city fluoridates and ends up hurting some people

Ontario Public Health Paid Fluoridation Promoters

region	name	position	2017 salary
Federal	David Williams	Chief Medical Officer of Health, Public Health and Long-Term Care	\$386,806.68
North Bay/Parry Sound	James Chirico	Medical Officer of Health, Executive Officer	\$311,248.60
Hamilton	Elizabeth Richardson	Medical Officer of Health	\$289,618.34
Simcoe-Muskoka	Charles Gardner	Medical Office of Health	\$283,566.03
Lambton-Sarnia	Sudit Ranade	Medical Officer of Health	\$270,495.24
London	Christopher Mackie	Medical Officer of Health, CEO	\$258,669.21
Windsor	Wajid Ahmed	Acting Medical Officer of Health	\$249,136.28
Toronto	Eileen P DeVilla	Medical Officer of Health*	\$215,871.13
Peel	Jessica Hopkins	Medical Officer of Health*	\$158,389.52

Source: ontario.ca/page/public-sector-salary-disclosure

^{*} appointed in 2017

The great fluoride debate



By Denis Langlois, Sun Times, Owen Sound Friday, January 31, 2014 10:18:40 EST AM Dr. Hazel Lynn, Medical officer of health, Owen Sound, Ontario



This tooth decay is NOT caused by a 'lack of fluoride' in the drinking water!!

This is scaremongering

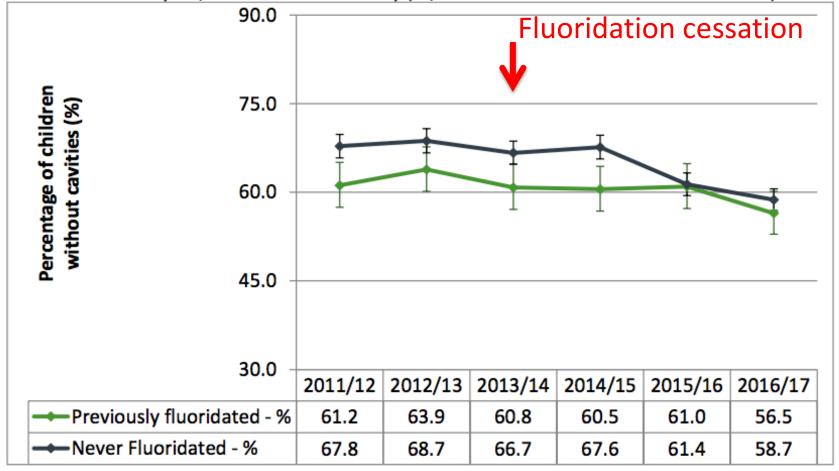
Dr. Lynn's salary was > \$300,000 before retiring

Medical officer of health Dr. Hazel Lynn holds up a picture of a child's teeth. Lynn said water fluoridation prevents tooth decay and is a safe practice. Others disagree. (JAMES MASTERS/QMI AGENCY)

What happened in Windsor???

Dr. Ahmed misled the Windsor Council by insinuating that fluoridation cessation caused a dramatic increase of dental decay -their own report clearly shows the fluoridation status did not have anything to do with the dental decay rates (see next slide)

Figure 15. The percentage of caries-free children in public schools by community fluoridation status and school year, Windsor-Essex County (JK, SK and Grade 2 combined - 2011-2017).

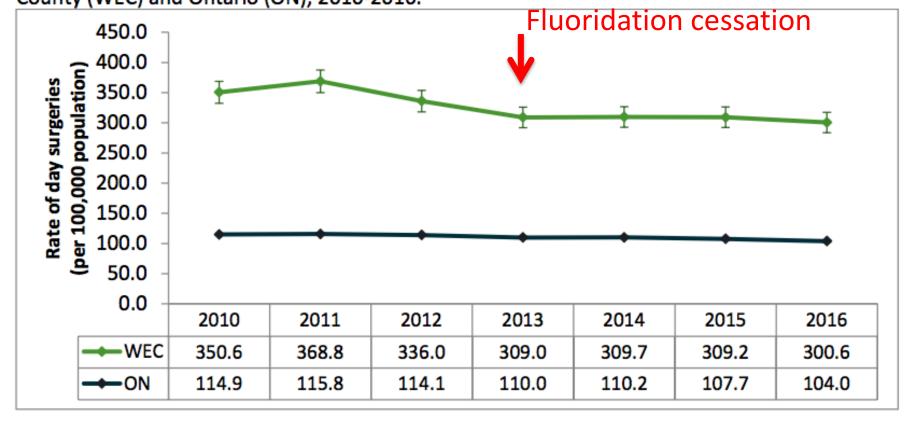


Source: Oral Health Information Support System [2011-2017], Ministry of Health and Long-Term Care (Accessed April 12, 2018).

Note: Never fluoridated refers to Kingsville, Essex, and Leamington; Previously fluoridated refers to Windsor, LaSalle, and Tecumseh. Pelee was excluded to low sample size.

Dr. Ahmed misled the Windsor Council by stating that fluoridation cessation caused a dramatic increase of day surgeries related oral problems -their own report clearly shows they did not change (see next slide)

Figure 8. The rate of day surgeries for oral health (caries-related) issues in Windsor-Essex County (WEC) and Ontario (ON), 2010-2016.



Source: Ambulatory Emergency External Cause [2010-2016], Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: [March 19, 2018].

Dec. 2018: the city of Windsor newly elected council was convinced into reversing a previous council decision and voted to restart fluoridation, based, in part, on the false testimony of an American fluoridation pusher. The on Jan. 6, 2019, AM800 interviewed him, allowing him to further mislead the people of Windsor.



Listen to the interview here.

AM800

Sunday, January 6th 2019 - 11:44 am

Sunday Morning Live - 10:05am - Should Fluoride Be In Our Water? Part 2

April talks with doctors for fluoride in the water

Sunday Morning Live













Sunday, January 6th 2019 - 11:41 am

Sunday Morning Live - 9:35am - Should Fluoride Be In Our Water? Part 1

April talks with doctors against fluoride

Sunday Morning Live



J. Johnson regularly makes stuff up. He is not a credible source of information

These statements are patently false.

"Dr. Hardy Limeback (member of the 2006 NRC Committee).....he agreed that there were absolutely zero health effects from fluoride in water at what we call the max amt. allowable in the United States of 4 ppm. that is 6 X what Windsor had...."

This is a total fabrication

"Under 2 ppm you do not get staining of the teeth that is brown or pitted."

..."No Health effects... none of that was found at 4 ppm. "

Claiming the NRC Report is criminal? Seriously?

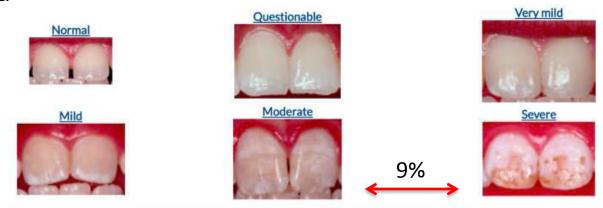
...."So to pull information out, and to turn that information to suit the needs of which you are trying to accomplish, that is to rob children and adults of a cavity fighting mineral....that is, should be **criminal**."

What the NRC 2006 Report said about fluoride and

TEETH

"the committee concluded unanimously that the present MCLG of 4 mg/L for fluoride should be lowered. Exposure at the MCLG clearly puts children at risk of developing severe enamel fluorosis, a condition that is

associated with enamel loss and nitting"



https://www.cdc.gov/fluoridation/faqs/dental_fluorosis/index.htm

With regard to dental fluorosis, we estimated that for a fluoride level of 0.7 ppm the percentage of participants with fluorosis of aesthetic concern was approximately 12% (Cochrane Review, 2015)

NRC 2006 report on fluoride in drinking water

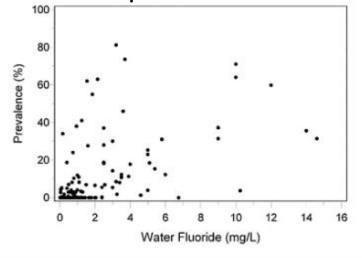


FIGURE 4-3 Prevalence of severe enamel fluorosis at the person level by water fluoride concentration, permanent teeth, age < 20 years, communities outside the United States.

There certainly
WAS severe fluorosis
reported in the US
and outside the US
where drinking water
had 1 ppm fluoride

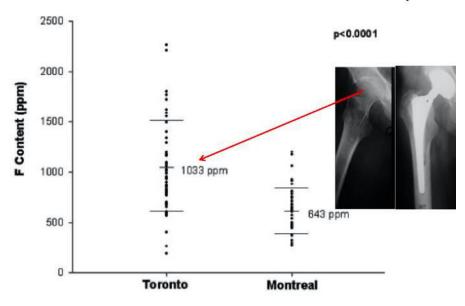
Study	Teeth	Fluorosis
United States (Driscoll et al. 1986)	8-16 All	218 Very mild to moderate 54 Severe
United States (Eklund et al. 1987)	27-65 Molars	38 Mild to moderate 125 Severe
	Premolars	38 Mild to moderate 125 Severe
	Anterior	38 Mild to moderate 125 Severe

What the NRC 2006 Report said about fluoride and BONES

"...under certain conditions fluoride can weaken bone and increase the risk of fractures. ... lifetime exposure to fluoride at ...4 mg/L or higher is likely to **increase** fracture

rates in the population...

Toronto vs Montreal Bone Study



-actually we showed bone changes with fluoridation

Chachra D. Limeback H. et al. J Dent Res. 2010

What the NRC 2006 Report said about fluoride and BRAIN EFFECTS

"A few epidemiologic studies of Chinese populations have reported IQ deficits in children exposed to fluoride at 2.5 to 4 mg/L in drinking water. Although the studies lacked sufficient detail for the committee to fully assess their quality and relevance to U.S. populations, the consistency of the results appears significant enough to warrant additional research on the effects of fluoride on intelligence."

What the NRC 2006 Report said about fluoride and ENDOCRINE EFFECTS

"The chief endocrine effects of fluoride exposures in experimental animals and in humans include decreased thyroid function, increased calcitonin activity, increased parathyroid hormone activity, secondary hyperparathyroidism, impaired glucose tolerance, and possible effects on timing of **sexual maturity**. Some of these effects are associated with fluoride intake that is achievable at fluoride concentrations in drinking water of 4 mg/L or less, especially for young children or for individuals with high water intake."

What the NRC 2006 Report said about fluoride and CANCER

"On the basis of the committee's collective consideration of data from humans, genotoxicity assays, and studies of mechanisms of action in cell systems (e.g., bone cells in vitro), the evidence on the potential of fluoride to initiate or promote cancers, particularly of the bone, is tentative and mixed."

This slide from J. Johnson is a total fabrication -he could not have read the NRC 2006 report

Was there evidence at 4.0 ppm showing that fluoride had an effect on ...?

- Tooth enamel
- Liver X
- Kidneys X
- Endocrine system
- Gastrointestinal system
- Immune system X

- Cancer X
- Musculoskeletal X system
- Reproduction and development
- Neurotoxicity and neurobehavioral
- Genetic damage X



There is huge confusion regarding fluoride toxicity





fluoride supplement

0.25mg of fluoride

DO NOT

prescribe for babies

Pea-sized dab of toothpaste

0.25mg of fluoride

Monitor children!
Make sure they
SPIT IT OUT!

One glass of 0.7ppm water

0.25mg of fluoride

No Risk.

SWALLOW

REPEATEDLY!

Updated Canadian Dental Association Fluoride Recommendation

- The Canadian Dental Association (CDA) no longer recommends fluoride supplements of any kind
- the CDC now recommends a pea size amount of fluoride toothpaste for children > 3 yrs.
- It also recommends a 'rice size' amount for toddlers age 6 mo. to 3 yrs. (NO FLUORIDE under 6 mo. of age)
- the max. intake should be 0.05 to 0.07 mg fluoride/kg/day

Canadian Dental Association Recommendation to prevent dental fluorosis "the total daily fluoride intake"

"the total daily fluoride intake from all sources should not exceed 0.05-0.07 mg/kg/day"

> 400% higher

Infant Formula up to 0.5 ppm

Fluoridated water 0.7 – 1.0 ppm

= 0.20 mg fluoride/kg/day









COLGATE SELLS FLUORIDE-FREE TOOTHPASTE BECAUSE OF CONSUMER DEMAND





The ADA recommends a 'rice' size amount of fluoride toothpaste for toddlers **Because swallowing** more than THAT is harmful!!!

Are cities willing to provide safe, fluoride-free water if there is a demand?

When drinking water is fluoridated to 0.7 ppm it is the main reason for the resulting dental fluorosis

- tap water fluoride is by far the largest contributor to total fluoride intake in infants
- dozens of studies show exclusive breast feeding protects infants against dental fluorosis later in life
- dental fluorosis has now been linked to ADHD and lowered IQ

Fluoridation causes more damage to teeth due to dental fluorosis than the damage from decay without fluoridation

Fluoridation- not a good trade off anymore -40 years of exposure might save one tooth from decay BUT, look at the dental fluorosis, which costs much more now to treat than the one filling saved.

3.6%



out of 100 children 100 fillings might be saved =\$20,000

CDC (2004) "The prevalence of very mild fluorosis increased from 17.2% to 28.5% and mild fluorosis increased from 4.1% to 8.6%. The prevalence of moderate and severe fluorosis increased from 1.3% to 3.6%".



8.6 children out of 100 needing cosmetics at \$1000/child =\$8,600

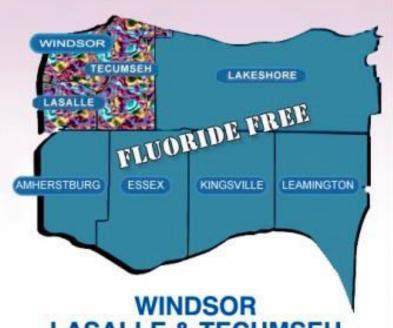


Severe Total =

3.6 children requiring cosmetics up to \$20,000/child =\$72,000

\$80,600

2014 Map of Essex County before fluoridation cessation in Windsor



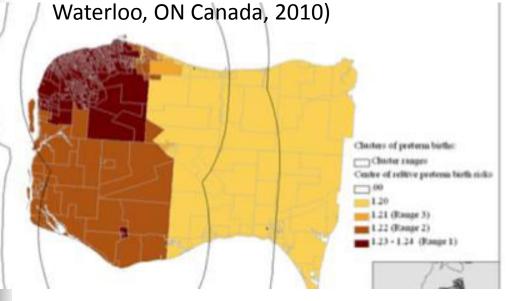
LASALLE & TECUMSEH

TELL YOUR COUNCIL YOU WANT YOUR WATER **FLUORIDE FREE**

LIKE THE REST OF ESSEX COUNTY MOST OF CANADA AND MOST OF THE WORLD

FLUORIDES SHOULD NOT BE INGESTED!

Preterm births in Essex County while Windsor was fluoridated (Meng G. PhD Thesis, Univ.



increased fluoride intakes during pregnancy is associated with preterm births (Jiménez et al, Neurotoxicology, 2017) -Windsor should be fluoridation free -there is a risk of increasing pre-term births again if fluoridation is re-introduced

Recent international research shows that

Prepared by Jennifer Marett and Hardy Limeback

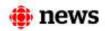
in Windsor's drinking water

There are several studies now linking prenatal fluoride exposure and negative effects of the offspring

- ADHA
- lowered IQ
- lowered thyroid function
- pre-term births

Conclusion

- do not make the same mistake as Windsor
- you have the power to reverse their decision by convincing LaSalle that both communities refuse to accept fluoridated water from Windsor (the Fluoridation Act requires LaSalle and Tecumseh to agree to Windsor's move)
- protect your citizens, even if you have to find water elsewhere (the town of Essex stayed fluoride free).



Essex town council says 'no' to fluoride in drinking water









Coun. Sherry Bondy raised the motion and said it's not the municipality's responsibility

CBC News - Posted: Jul 04, 2018 11:03 AM ET | Last Updated: July 4, 2018



In a unanimous vote Tuesday night, Essex town council rejected a proposal to add fluoride to drinking water.