

He Said She Said

Albuquerque New Mexico

April 9th 2014



Telegram sent to ADA Members
November 9th, 2006

If liquid concentrate or powdered infant formula is the primary source of nutrition, it should be mixed with water that is fluoride free or contains low levels of fluoride to reduce the risk of fluorosis.



They Say

First:

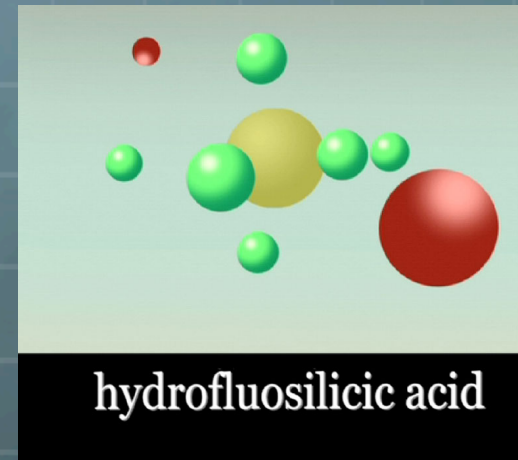
Does fluoride work to reduce tooth decay if swallowed?

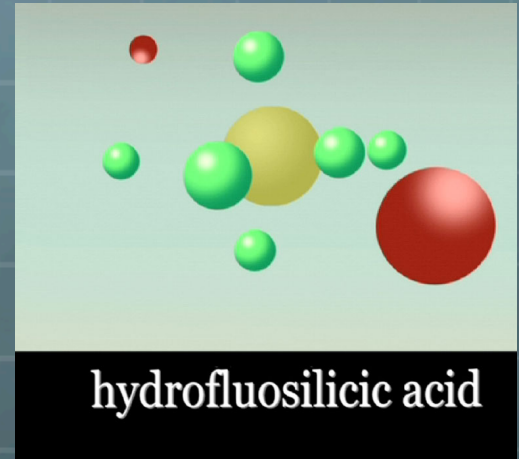
No, it does not. 1

The only measurable dental effects are topical. 2

1 Featherstone, J Journal of the American Dental Association 7/2000

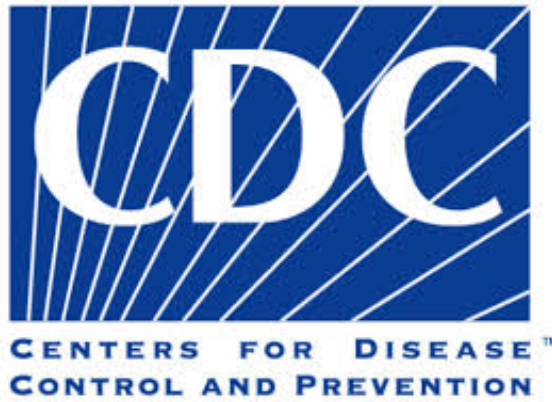
2 Morbidity and Mortality Weekly Report CDC on Fluoride August, 2001





Like sun block, it's topical.

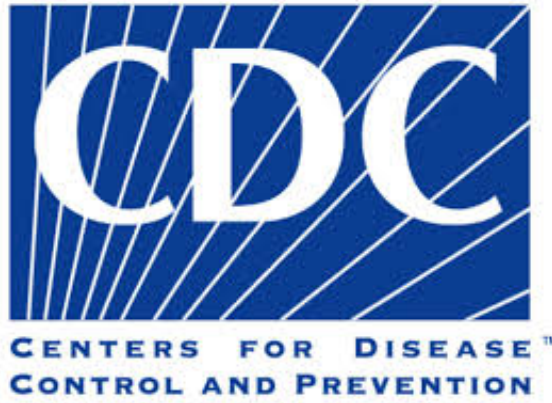
You shouldn't drink it.



August 17, 2001
Vol. 50/No. RR-14

The prevalence of dental caries in a population is not inversely related to the concentration of fluoride in enamel (37), and a higher concentration of enamel fluoride is not necessarily more efficacious in preventing dental caries (38).

37. Clarkson BH, et al., Rational use of fluorides in caries control. In: Fejerskov O, Ekstrand J. Burt BA, eds. Fluoride in dentistry. 2nd ed. Copenhagen
38. Munksgaard, 1996, Nature and roll of loosely bound fluoride in dental caries. Journal of Dental Research Vol. 69 1990



August 17, 2001
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Fluoride's predominant [anti-cavity]
effect is posteruptive and
topical



They Say

“Even when the outer level of enamel has higher fluoride levels, such as 1000 ppm, it does not measurably withstand acid-induced dissolution any better than enamel with lower levels of fluoride.”

Featherstone J., Journal of the American Dental Association 2000



They Say

“The fluoride incorporated developmentally—that is systemically in to the normal tooth mineral – is insufficient to have a measurable affect on acid solubility.”

Featherstone J., Journal of the American Dental Association 2000

**Fluoride's
anticaries
effects are
topical**



The FDA's Warning on fluoridated toothpaste

“KEEP OUT OF REACH OF CHILDREN UNDER 6 YEARS OF AGE. IN CASE OF ACCIDENTAL INGESTION, SEEK PROFESSIONAL ASSISTANCE OR CONTACT A POISON CONTROL CENTER IMMEDIATELY.”

They Say



It's decay inhibition effects are
topical on the germs that cause
decay.

They Say



**Because Fluoride inhibits the
bacteria's ability to breathe and
digest.**

They Say



**Just like Fluoride inhibits the cells
in a child's body making new
teeth and bones.**

They Say



Dental Fluorosis is due to systemic inhibition of matrix metalloproteinase-20 (MMP-20).

DenBesten et al., Effects of fluoride on rat dental enamel matrix proteinases. Archives of Oral Biology Nov. 2002

They Say

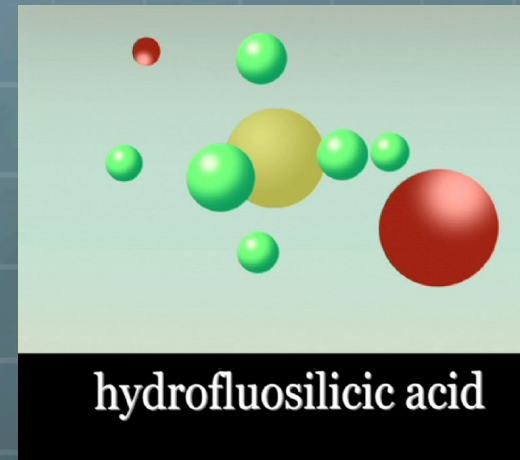


Function:

Proteins of the matrix metalloproteinase (MMP-20) are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases.

http://en.wikipedia.org/wiki/MMP20#Clinical_significance

They Say



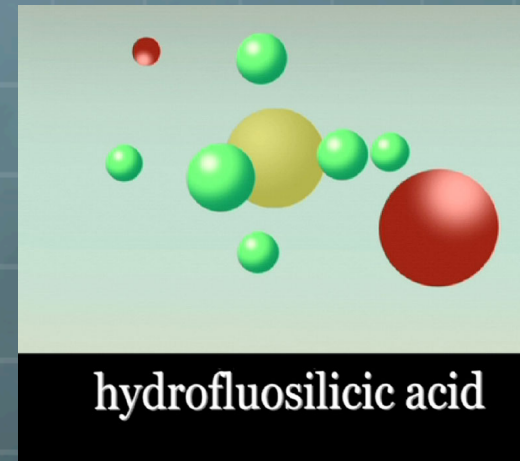
Second:

Is fluoride safe for babies or the
handicapped?

No, it is not. Just do the math.³

3. Levy SM et al Sources of fluoride intake in children. J Public Health Dent.
1995

They Say



**Fluoridation advocate Admits F tap-water
can Poisons Babies**

<http://youtu.be/OUzEJoW1U2s>

They Say

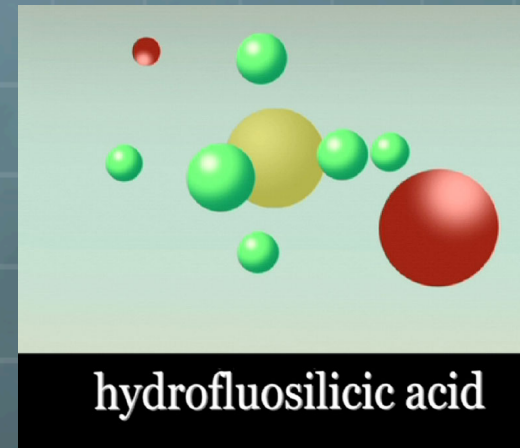
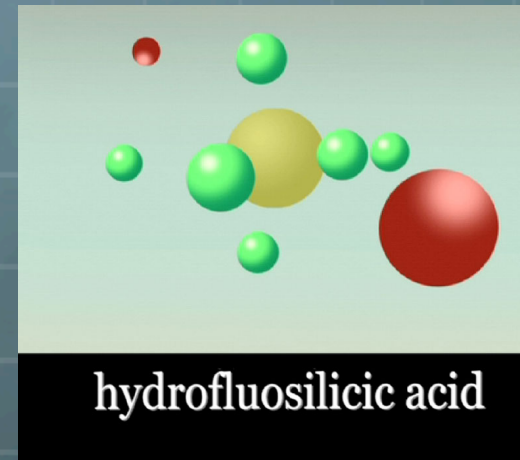


Table 1. DIETARY FLUORIDE SUPPLEMENTATION SCHEDULE

Age	<0.3 ppm F	0.3 to 0.6 ppm F	>0.6 ppm F
Birth to 6 months	0	0	0
6 mo to 3 years	0.25 mg	0	0
3 to 6 years	0.50 mg	0.25 mg	0
6 to at least 16 years	1.00 mg	0.50 mg	0

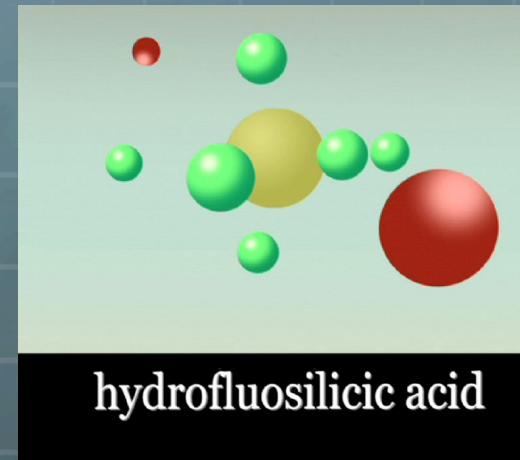
American Academy of Pediatric Dentistry Guideline on fluoride Therapy 2013

They Say



Research has shown that mother's milk has almost no fluoride and breastfeeding is the baby's best food.

They Say

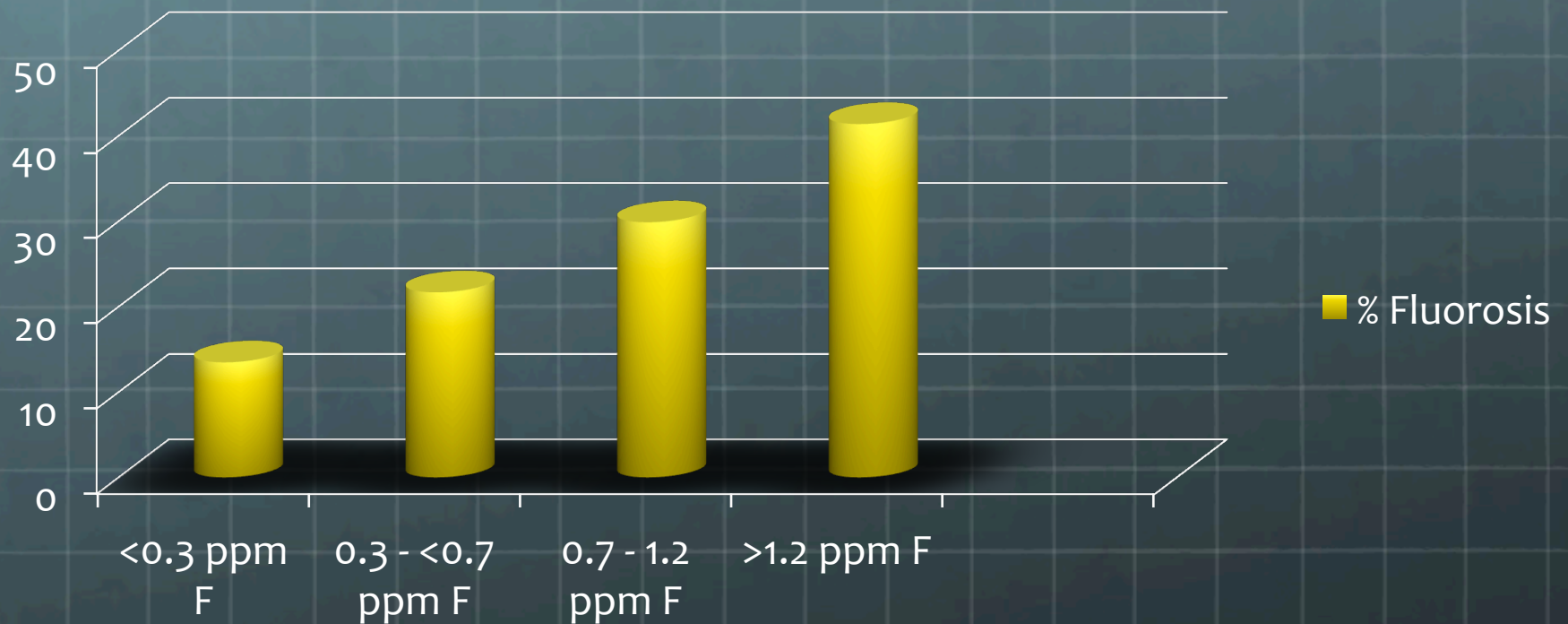


Fluoride in tap water is responsible for a substantial percentage of dental fluorosis. 1987 National Institute of Dental Research study found that 66% of the children in fluoridated areas of the U.S. had at least one tooth visibly damaged by dental fluorosis. ⁴

4. Heller et al Dental Caries and Dental Fluorosis Journal of Public Health Dentistry July, 1997

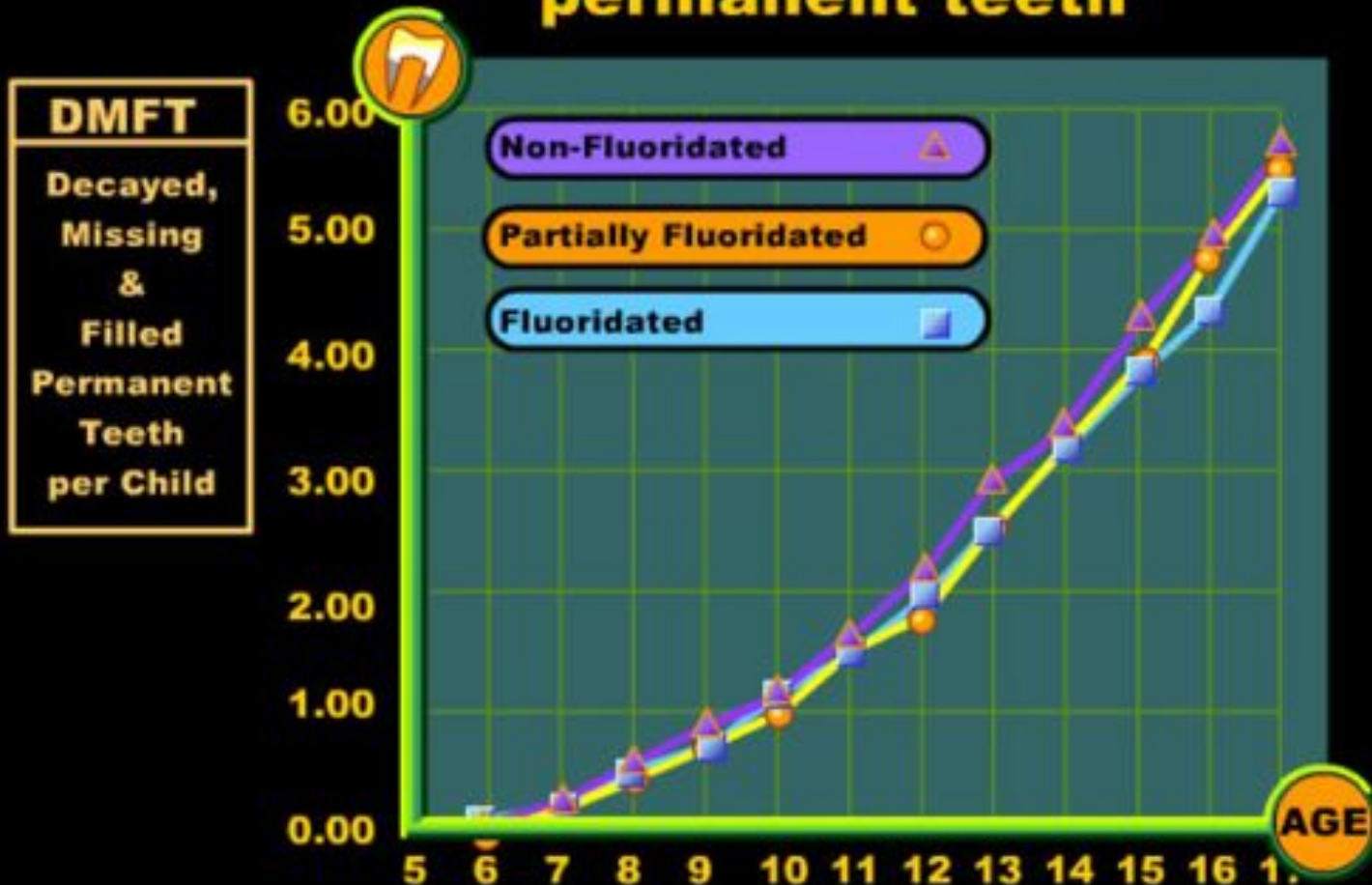
They Say

Dental Fluorosis

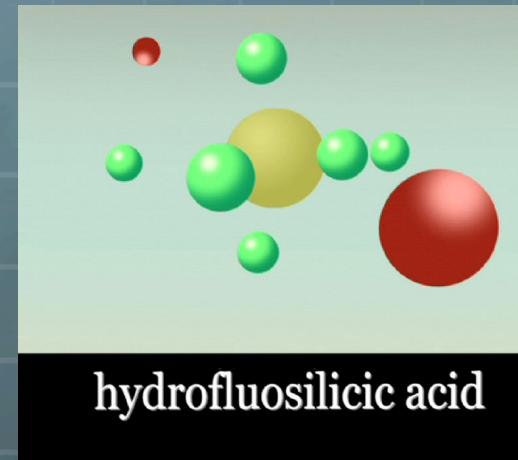


4. Heller et al Dental Caries and Dental Fluorosis Journal of Public Health Dentistry July, 1997

Fig. 1 Tooth decay in fluoridated (F), partially fluoridated (PF) & nonfluoridated (NF) areas: permanent teeth



They Say

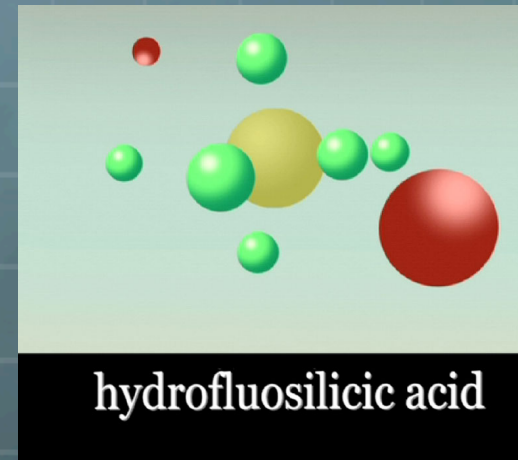


Is fluoride safe for everyone?

No it is not. ⁵

5. Agency for Toxic substances and Disease Registry (ATSDR) Toxicological Profile ATSDR TP-91/17

They Say



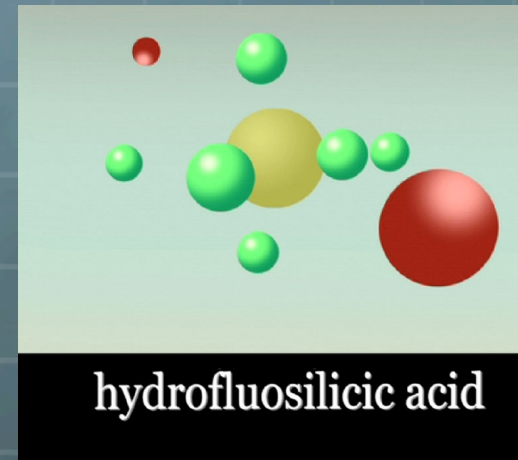
2.7 POPULATIONS THAT ARE UNUSUALLY SUSCEPTIBLE

Existing data indicate that subsets of the population may be unusually susceptible to the toxic effects of fluoride and its compounds. These populations include the elderly, people with deficiencies of calcium, magnesium, and/or vitamin C, and people with cardiovascular and kidney problems.

Because fluoride is excreted through the kidney, people with renal insufficiency would have impaired renal clearance of fluoride.

5. Agency for Toxic substances and Disease Registry (ATSDR) Toxicological Profile ATSDR TP-91/17

They Say



2.7 POPULATIONS THAT ARE UNUSUALLY SUSCEPTIBLE

Poor nutrition increases the incidence and severity of both dental fluorosis and skeletal fluorosis.

(Murray and Wilson 1948; Pandit et al. 1940, Pandit et al. 1940).

5. Agency for Toxic substances and Disease Registry (ATSDR) Toxicological Profile ATSDR TP-91/17

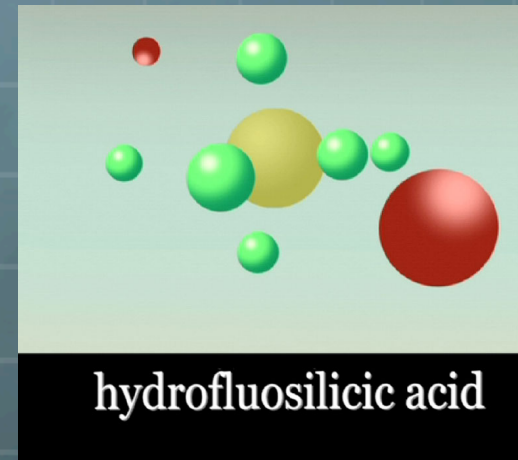
They Say

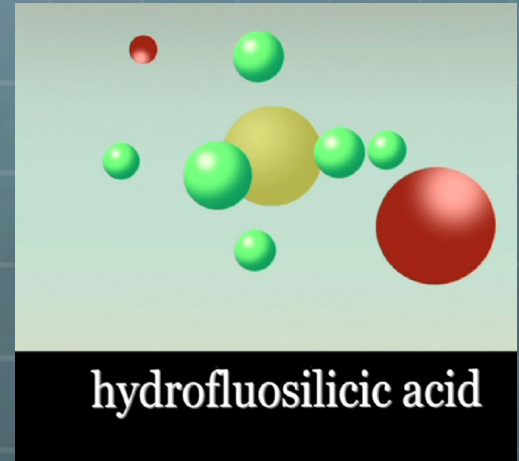
Third:

Is ingested fluoride approved by the Food and Drug Administration for the purpose of reducing tooth decay?

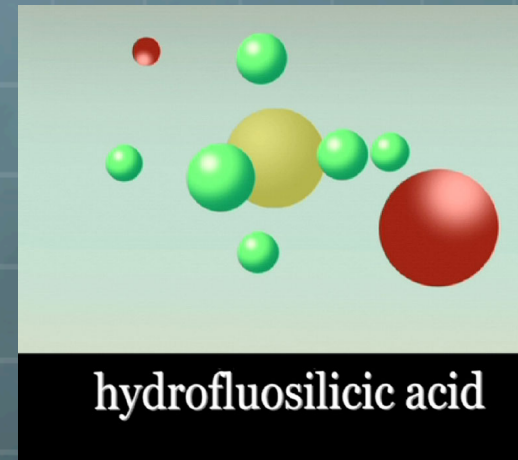
No, it is not.⁷

7. Congressional Investigation 2000 FDA response to inquiry by congressman Ken Calvert www.keepers-of-the-well.org





The FDA Says

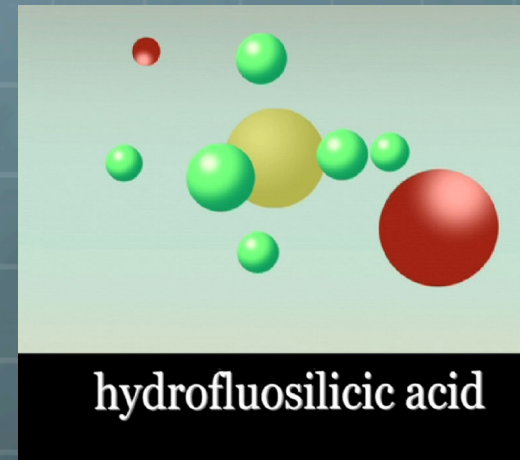


The U. S. Food and Drug Administration has never approved any fluoride containing substance intended to be ingested to reduce tooth decay.

1975 the FDA had rejected a new drug application for fluoride vitamins and supplements and allowed 35 to be voluntarily withdrawn stating that: **There is no substantial evidence of drug effectiveness as prescribed, recommended, or suggested in its labeling.**⁸

8. Drug Therapy NDA withdrawn for fluoride and vitamin combinations 1975

I Say



It is just as simple as 1, 2, 3.

- 1) Dental benefit, if any, is only **TOPICAL**.
- 2) The ADA agrees that tap water formula is **NOT** safe for small babies.
- 3) **NOT** FDA Approved as safe or effective because that is not how it works.

What dentists are told



SCIENTIFIC BLOGGING
SCIENCE 2.0

Water Fluoridation Safety, Efficacy And Value In Oral Health

By News Staff | March 21st 2014 10:02 AM | 63 comments | [Print](#) | [E-mail](#) | [Track Comments](#)

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News Staff

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During the 43rd Annual Meeting&Exhibition of the American Association for Dental Research, held in conjunction with the 38th Annual Meeting of the Canadian Association for Dental Research, Stephen H. Abrams of Cliffcrest Dental Office in Toronto chaired a symposium titled "Water Fluoridation: Safety Efficacy and Value in Oral Health Care."

Community water fluoridation (CWF) and other fluoride modalities historically have been and remains the cornerstone for the prevention and control of dental caries. There is extensive evidence on the efficacy and cost-effectiveness of these interventions as well as assessments of the risks associated with fluoride ingestion.

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What dentists are told

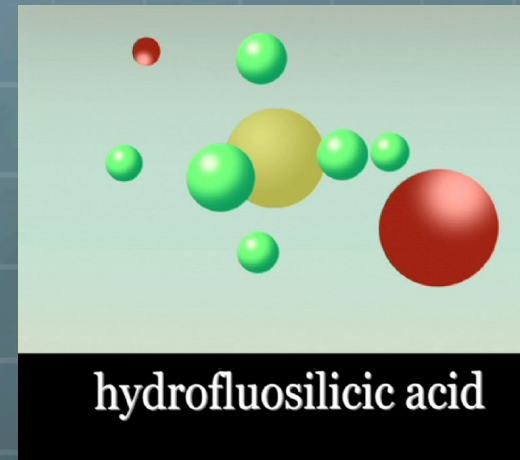
Is not simply true

Numerous dental articles claim:

In 2006, the National Research Council identified severe fluorosis as the **only** documented health effect of fluoride at 2 – 4 mg/L in drinking water.

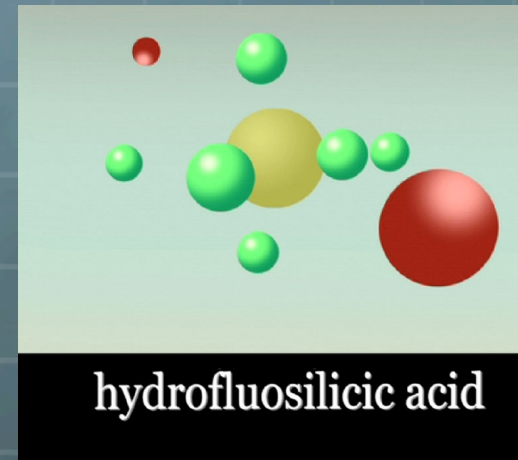
Concentrations recommended for CWF and current dosage schedules for other modalities ensure safety.

NAS Says



2006 National Academy of Science
Review of the EPA's
Safe for everyone for a lifetime standard
Maximum Contaminant Level Goal
MCLG

NAS Says



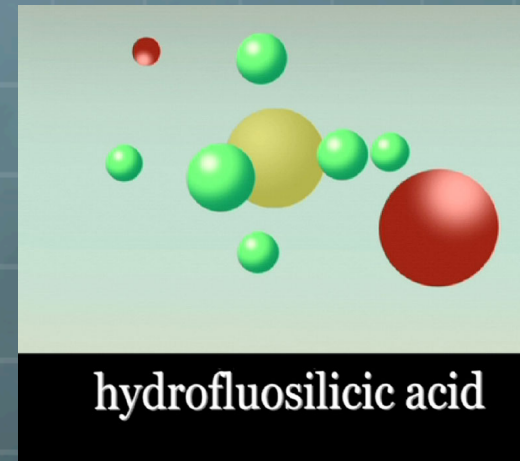
The toxicology and risk assessment experts voted unanimously to reject the EPA's MCLG.

on the basis of "known" effects:

1. skeletal fluorosis
2. bone fractures
3. severe dental fluorosis
4. Therefore 4 mg/L is "not safe".

National Academy of Science NRC 2006 Review of EPA's MCLG for Fluoride

NAS Says



The toxicology and risk assessment experts voted unanimously to reject the EPA's MCLG

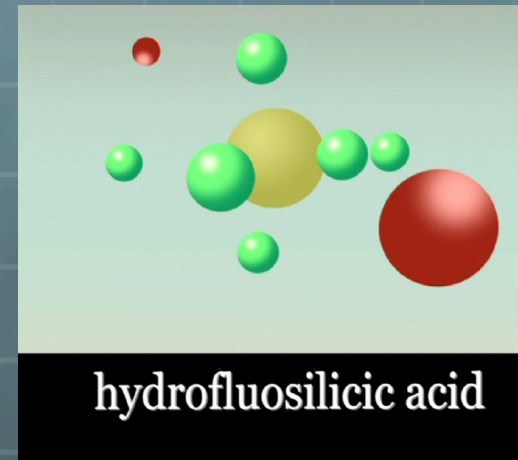
They did not say that "fluoridation" is safe

They did not evaluate the safety or efficacy of fluoridation.

They pointed out lots of areas that need research.

Personal communication with Dr. Kathleen Thiessen NRC panelist and risk assessment expert

NAS Says



The toxicology and risk assessment experts voted unanimously to reject the EPA's MCLG.

They pointed out that some effects (e.g., endocrine/thyroid) can occur at exposure levels (in terms of mg/kg/day) that are reached by people at fluoride concentrations in drinking water of 1-4 mg/L especially infants.

Putting even a small amount of "safety factor" between "unsafe" and "possibly safe" puts "possibly safe" below the CWF levels.

Personal communication with Dr. Kathleen Thiessen NRC panelist and risk assessment expert

And it's not fluoride!

🌐 The product used in 91% of the water fluoridation schemes is raw untreated hazardous waste from the pollution scrubber systems of the phosphate fertilizer mining industries called Hydrofluosilicic Acid

🌐 Florida

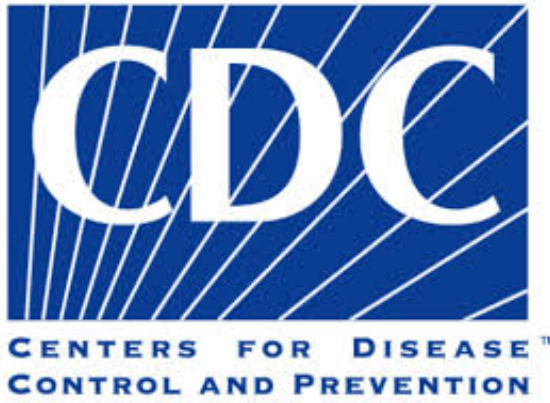
🌐 China

🌐 Mexico

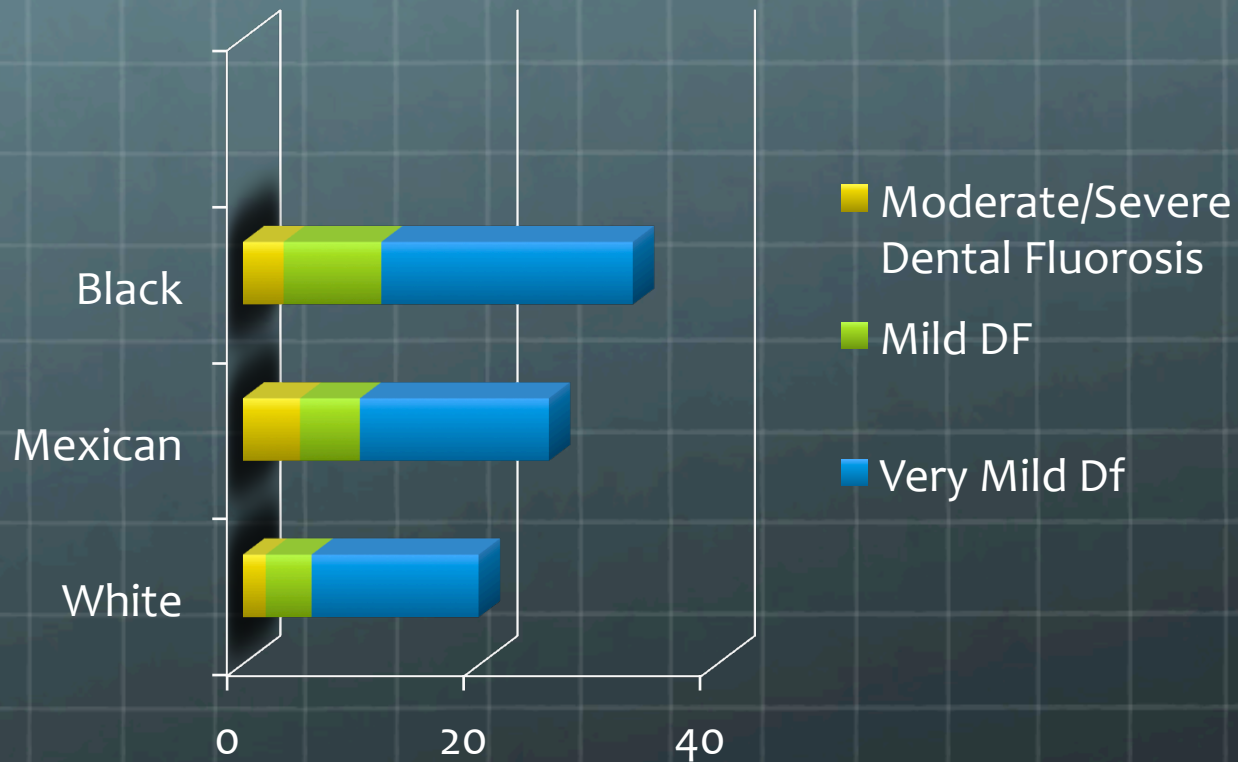
🌐 Japan

🌐 Belgium



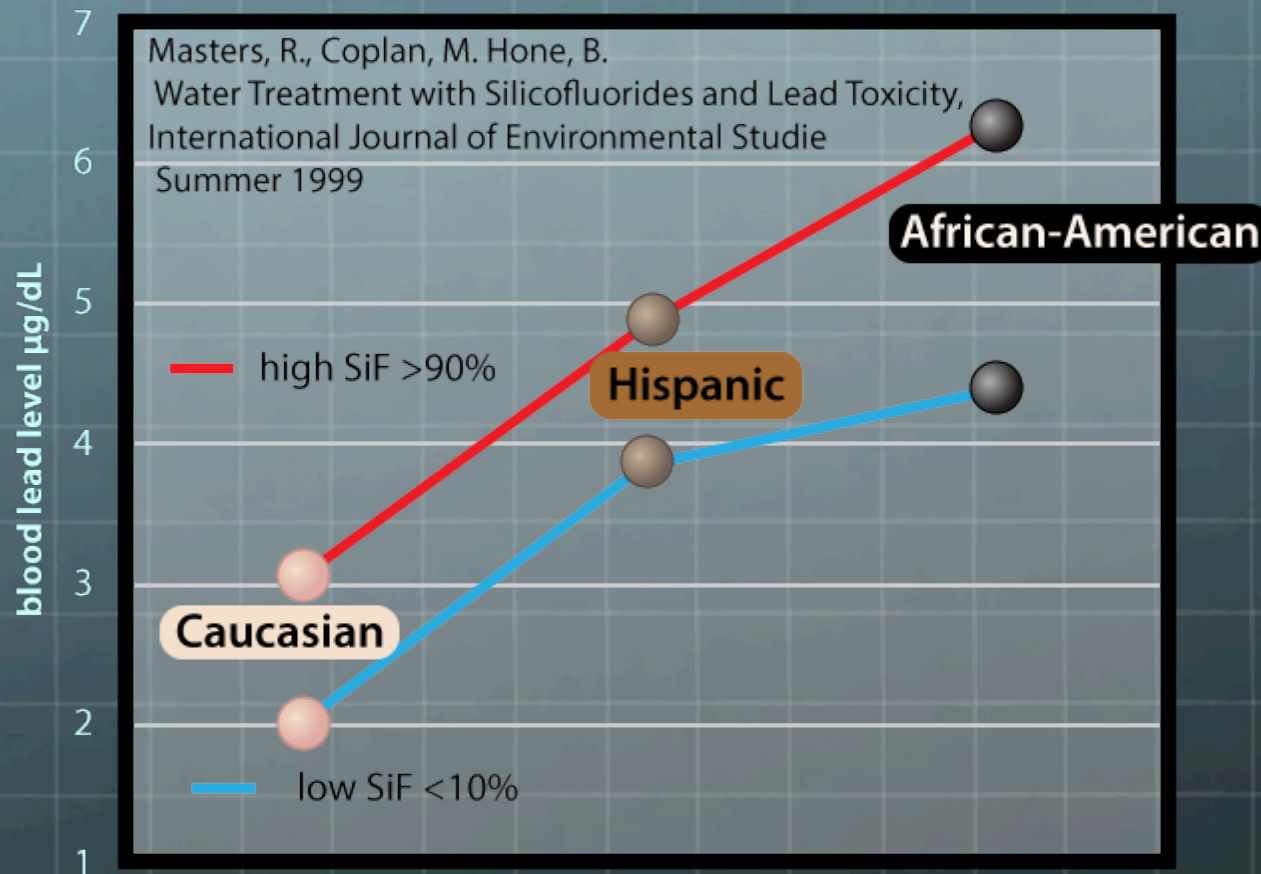


August 26, 2005
Vol. 54/No. 3
Table 23



Disproportionate Harm

NHANES III



Disproportionate Harm

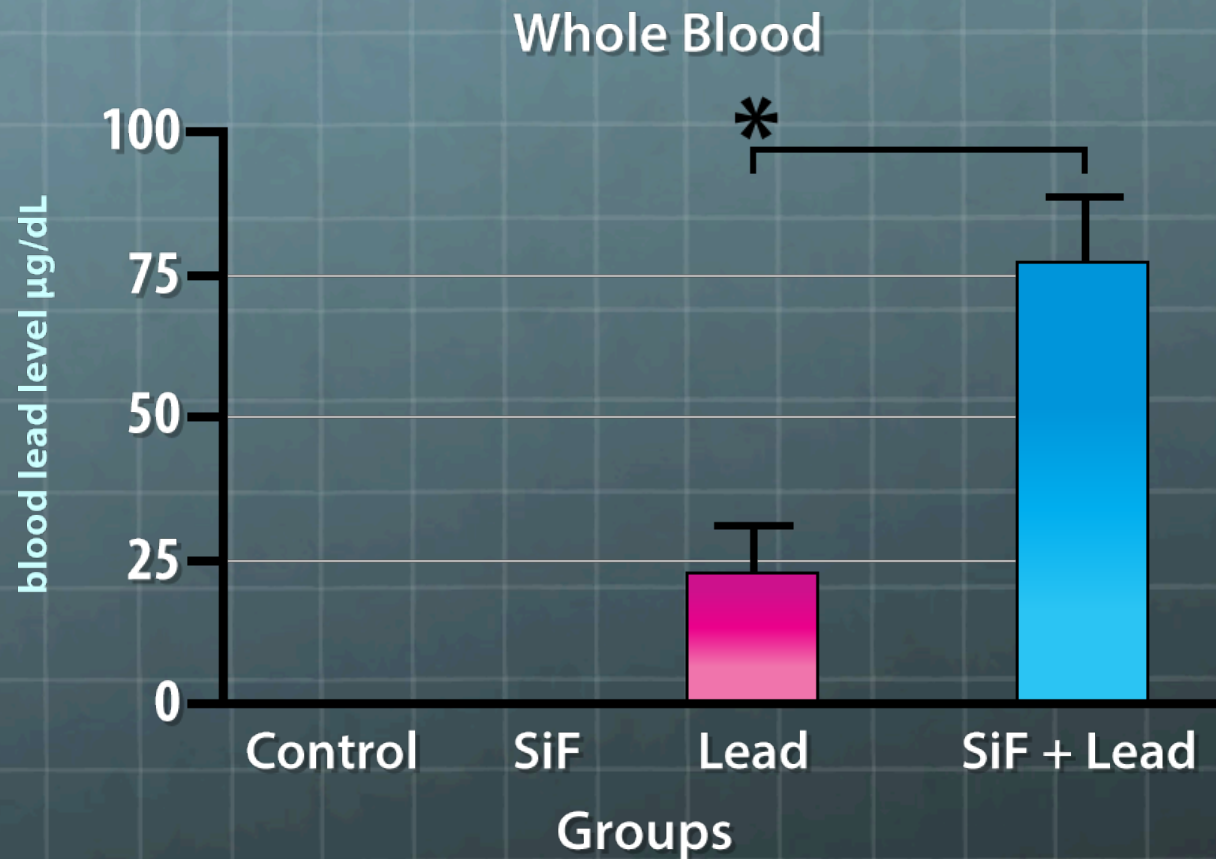


Figure 1. Sawan et al. Toxicology 2010

* $p < 0.001$

Disproportionate Harm

Leiti et al. 2011

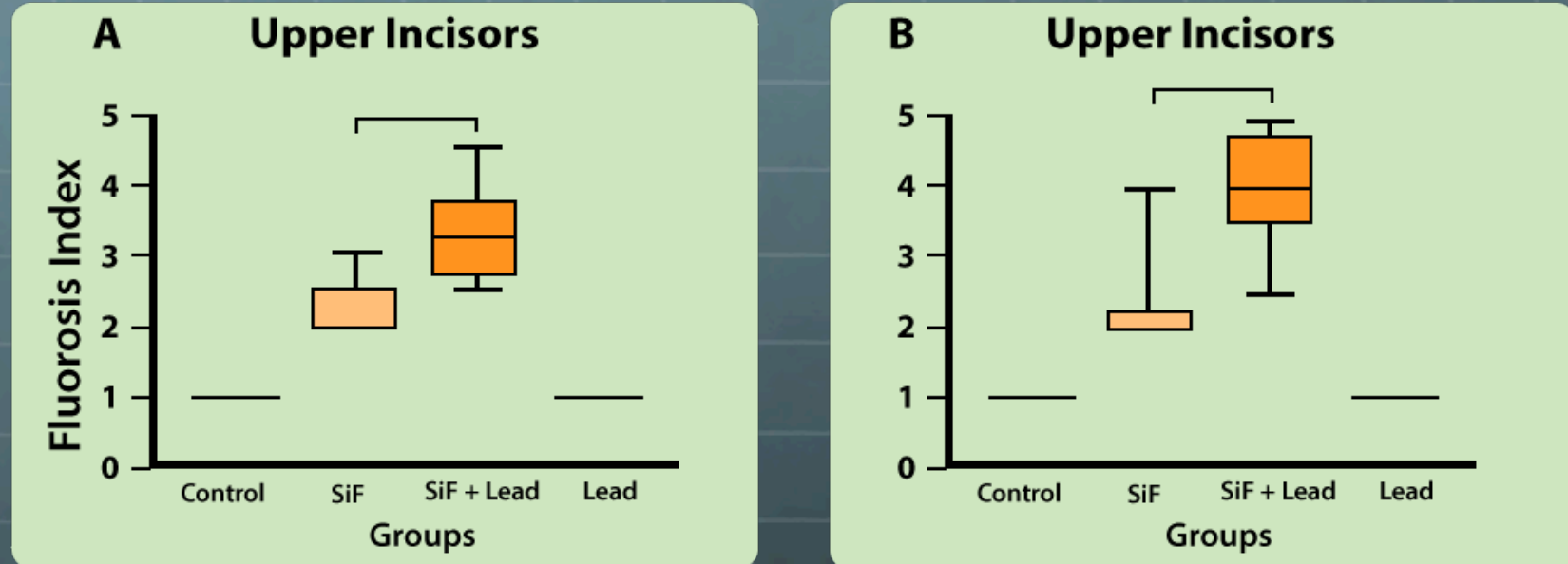


Fig. 4 - Median box and whiskers plot showing median, 25th, 75th, maximum and minimum values for fluorosis index for upper (A) and lower (B) incisors. * $P < 0.0001$.

Disproportionate Harm

Everyone Agrees



WARNING

WWW.SW4SC.Org
888-728-3833

Fluoride is Not Safe for a Baby!