

References

Fluoride and pets-

The Environmental Working Group put out a paper in 2009 revealing high levels in various brands of pet foods. Also having it in their drinking water is too much.

<https://www.ewg.org/research/dog-food-comparison-shows-high-fluoride-levels?fbclid=IwAR3gN3Rblq-fT5sRqvx1k84doJBnQFH7fp3j9VRzoqC3OQkH-ZpzqOl9RY>

Does your pet suffer from symptoms of arthritis? Studies link fluoride overexposure to skeletal fluorosis (over-accumulation of fluoride in the bones) and osteosarcoma (bone cancer). Let's protect our fur-babies!

<https://vitalanimal.com/fluoride/>

The Green Party has made a motion to call for a ban on the fluoridation of public drinking water. Here's why:

<https://www.greenparty.ca/en/motion/g10-p19>

Warnings on Water Bills-

Is the city going to pay for safe water for low-income families who cannot breastfeed? All these places already have warnings:

National Research Council In March 2006, the National Research Council (NRC) cautioned that infants can fluoride-overdose via reconstituted baby formula. (2) The American Dental Association (ADA) passed this information on to its members in a November 2006 e-gram.

Vermont Department of Health:

“The Vermont Department of Health recommends mixing powdered or concentrated baby formula with water that is fluoride-free, or contains very low levels of fluoride, for feeding infants under 12 months of age. Recent studies have discovered the possibility that infants in this age group may be consuming more fluoride than necessary.”

<http://healthvermont.gov/news/2006/120806fluoride.aspx>

New York State Department of Health

“Parents who are concerned about the risk of enamel fluorosis, can mix liquid concentrate or powdered infant formula with water that is fluoride free or contains low levels of fluoride. Examples are water that is labeled purified, demineralized, deionized, distilled or reverse osmosis filtered water.”

http://www.health.ny.gov/prevention/dental/fluoride_guidance_during_infancy.htm

California Dental Association

“...mixing powdered or liquid infant formula concentrate with fluoridated water on a regular basis for infants primarily fed in this way may increase the chance of a child’s developing enamel fluorosis,”

according to the CDA’s Feb 2010 Report, Oral Health During Pregnancy

and Early Childhood: Evidence-Based Guidelines for Health

Professionals. http://www.cdafoundation.org/library/docs/poh_guidelines.pdf

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Des Moines Water Works-

Powdered or liquid concentrate infant formula can be mixed with water that is fluoride free or contains low levels of fluoride. These types of water are labeled as purified, demineralized, deionized, distilled or reverse osmosis filtered water.

<http://www.dmww.com/upl/documents/water-quality/lab-reports/fact-sheets/fluoride.pdf>

American Dental Association Evidence-based Infant Formula Chairside Guide

Recommendations for infants who consume reconstituted infant formula as the main source of nutrition: • Continue use of liquid or powdered concentrate infant formulas reconstituted with optimally fluoridated drinking water while being cognizant of the potential risk for enamel fluorosis. • Use ready-to-feed formula or liquid or powdered concentrate formula reconstituted with water that is either fluoride-free or has low concentrations of fluoride when the potential risk for enamel fluorosis is a concern.

http://ebd.ada.org/contentdocs/ADA_Evidence-based_Infant_Formula_Chairside_Guide.pdf

Risks of handling and storage:

<https://blog.polyprocessing.com/blog/proper-hydrofluorosilicic-acid-storage>

“Hydrofluorosilicic acid is easily the most dangerous chemical at your local water treatment plant. It can release hydrogen fluoride when it evaporates, is corrosive, and can damage the lungs if breathed in, making it especially dangerous for plant employees if stored incorrectly.”

“One concern in storing FSA is arsenic build-up, and accumulated lead...”

It cannot be stored in glass, metal or concrete containers. I’m scared for the safety of the workers who have to handle this stuff! No wonder WUC recommended to the city to stop adding it five years ago.

Confirmed- Driver Ian Melville's death in 2017 was caused from fluorosilicic acid spill. Half of the 34 people requiring decontamination were first responders one of which has suffered severe health effects.

<https://www.cbc.ca/.../highway-401-collision-updates-1.4025652>

“Significantly more infants, particularly those under six months old, will exceed the UL [Upper Limit] when consuming formula reconstituted with 0.7 ppm [fluoride] water, increasing their risk of developing dental fluorosis.” (*Journal of Clinical Pediatric Dentistry*, 2018).

Dental fluorosis is the visible sign of fluoride poisoning.

[Environmental Working Group March 2006](#)

Bibliography of Scientific Literature on Fluoride:

<http://slweb.org/bibliography.html>

Canadian pregnant women have double urine fluoride levels in fluoridated vs. non-fluoridated areas ([Environmental Health Perspectives](#), October 10, 2018). Previous Mexican research links urine fluoride levels in pregnancy to offspring's lower IQ. The Canadian and Mexican women's fluoride levels are similar which causes concern.

"We found that fluoride in drinking water was the major source of exposure for pregnant women living in Canada," said Christine Till, an associate professor of Psychology in York's Faculty of Health and lead author on the study. ([News Release from York University in Toronto](#))

Environmental Critique of Water Fluoridation

<https://www.erudit.org/en/journals/scientia/2015-v38-n1-scientia02451/1036040ar.pdf>

The Centers for Disease Control (CDC) stated in 1999 "fluoride prevents dental caries predominately after eruption of the tooth into the mouth, and its actions primarily are topical for both adults and children." The National Research Council has concurred, stating in 2006 that "the major anticaries benefit of fluoride is topical and not systemic." http://www.fluoridealert.org/issues/caries/topical_systemic/

Hydrofluorosilicic Acid's Phosphate Mining & Production Origins, Plus Co-Contaminants: <http://cof-cof.ca/hydrofluorosilicic-acid-origins/>

Fluoride exposure coupled with iodine deficiency is linked to thyroid disease, report researchers in [Environment International](#) (December 2018). They report that this is the first human population-based examination of chronic low-level fluoride exposure on thyroid function that considers residents' iodine status.

"I have grave concerns about the health effects of fluoride exposure," said lead author Ashley Malin, "And not just from my study but the other studies that have come out in recent years," ([quoted from Environmental Health News](#)).

“Higher levels of fluoride exposure during pregnancy were associated with global measures of ADHD and more symptoms of inattention [in offspring],” researchers report in [Environment International](#) (December 2018). This is consistent with a growing body of evidence linking neurotoxicity to early-life fluoride exposure, they report.

“Our findings are consistent with a growing body of evidence suggesting that the growing fetal nervous system may be negatively affected by higher levels of fluoride exposure,” said Morteza Bashash, the study’s lead author and a researcher at University of Toronto’s School of Public Health. ([NeuroscienceNews.com](#))

“The primary adverse effects associated with chronic, excess fluoride intake are enamel and skeletal fluorosis.” ([NAS 1997](#)).

The CDC encourages the addition of fluoride chemicals into public water supplies to reach 0.7 ppm without adequately informing parents about the consequences of fluoride overexposure.

Organizational bias compromised the integrity of fluoride research from the beginning and persists today ([Medical Hypotheses](#) by Spencer and Limeback, December 2018) The authors identify ten major flaws in a recent US National Toxicology Program's (NTP) fluoride experiment as an example of how institutional bias can skew science.

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References for Tecumseh Water Presentation
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