

# *Fluoride in Community Water*

Presented By

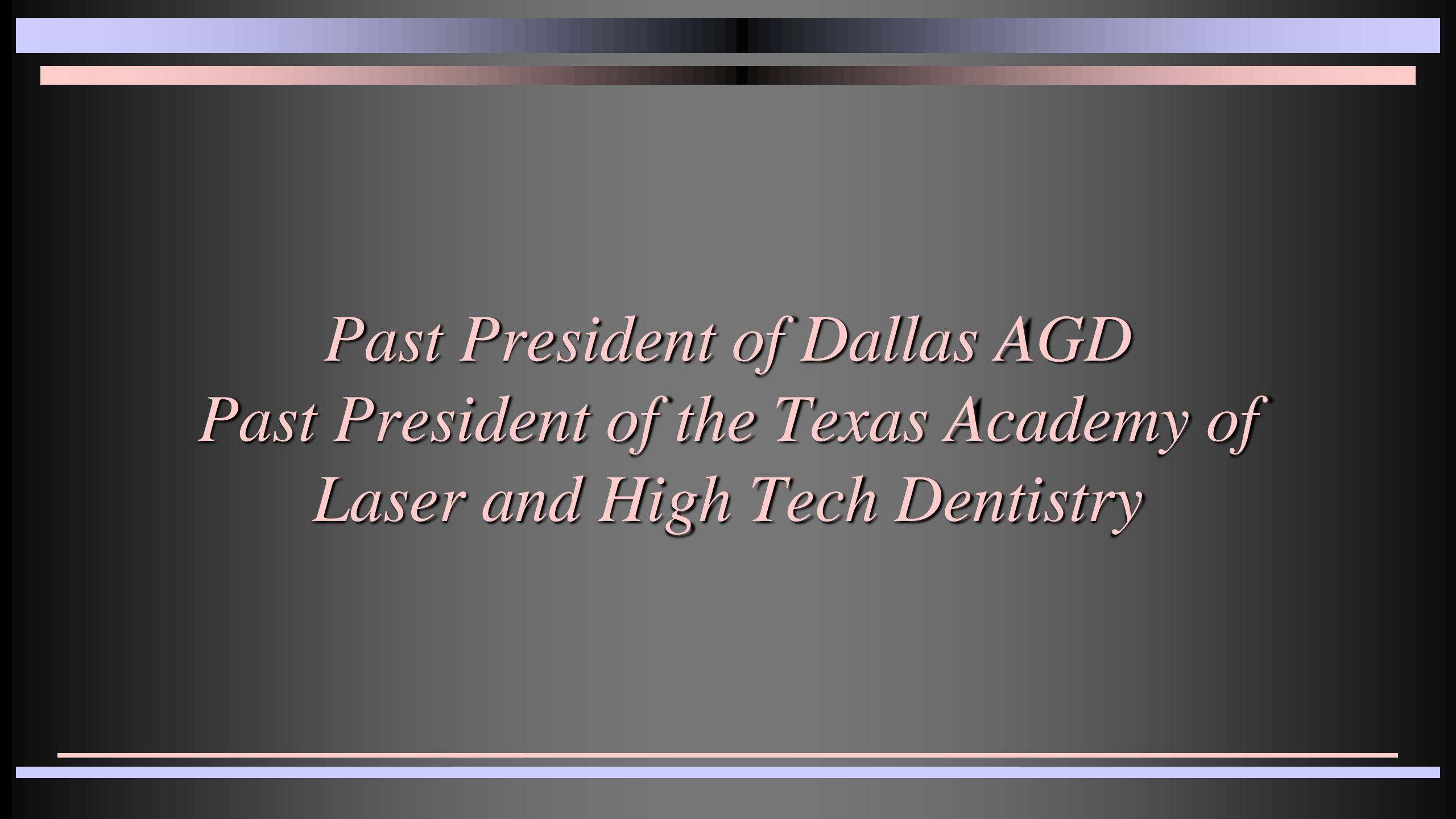
**Todd McCracken,  
D.D.S., M.A.L.D.**



*Graduate UTHSCSA 1992*  
*Practice in Denton, Tx. 16 years*  
*32 years of practice in rural Texas*  
*as well as Metro area*

*BA Biochemistry 1987 from Abilene  
Christian University*

*Research Experience: 2 years in College  
2 AADR fellowships in Dental School funded  
by the NIH*

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*Past President of Dallas AGD*  
*Past President of the Texas Academy of*  
*Laser and High Tech Dentistry*

*Active member :*  
*American Academy of Ozone Therapy*  
*International Academy of Oral Medicine*  
*and Toxicology*

## *3 Questions*

- 1) Is it safe?
- 2) Is it beneficial?
- 3) Is it necessary?

*1) Is it safe?*

*Published effects of Fluoride*

Neurotoxin



*Acne and other dermatological conditions*

*Arterial calcification  
and arteriosclerosis*

*Bone weakness and risk of fractures*

*Cancer of the bone or osteosarcoma*

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- Neurotoxin leading to lower IQ, ADD/ADHD, in children and dementia in adults

*Cardiac failure*  
*Cardiac insufficiency*  
*Cognitive deficits*  
*Dental fluorosis*  
*Diabetes*

*Early puberty in girls*

*Osteoarthritis*

*Skeletal fluorosis*

*Temporomandibular joint disorder (TMJ)*

*Thyroid dysfunction*



**Dental Fluorosis**

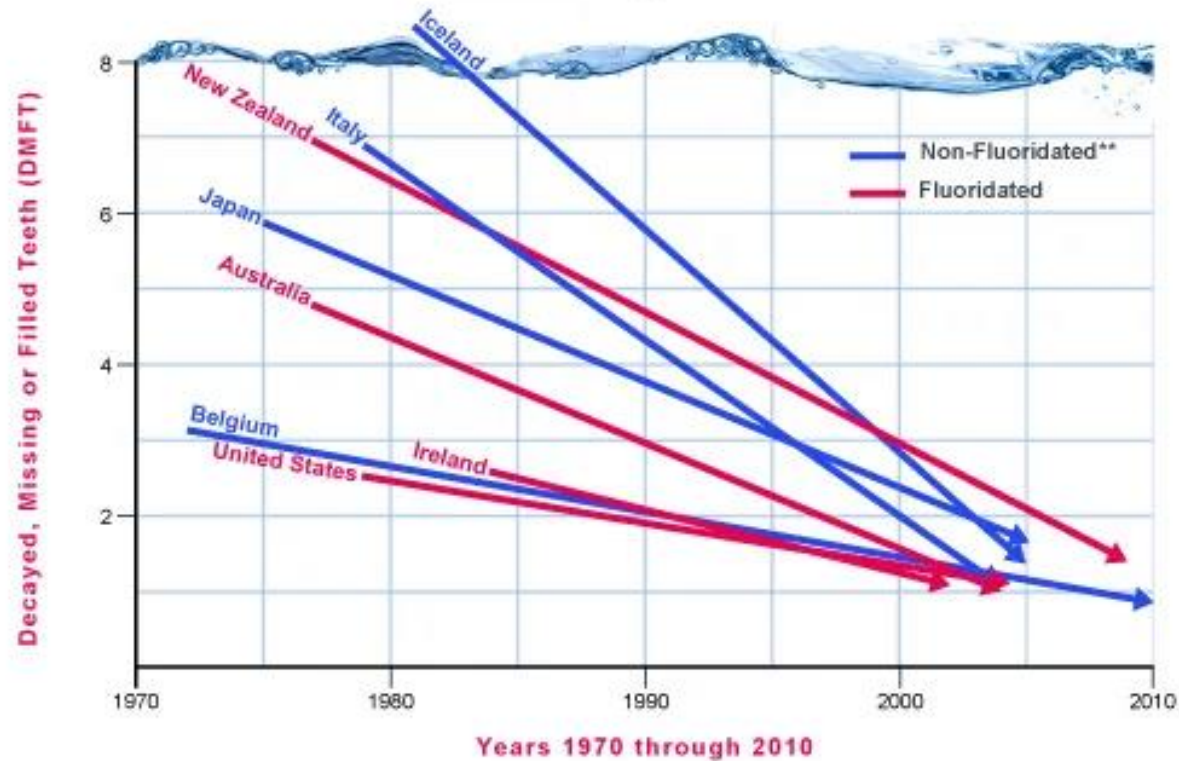


2) *Is it beneficial?*



## Tooth Decay Trends in Fluoridated and Non-Fluoridated Countries

WHO data on DMFT in 12 year olds\*



\* World Health Organization (WHO). Collaborating Centre for Education, Training, and Research in Oral Health, Malmö University, Sweden. <http://www.mah.se/CAPP/> (accessed June 10, 2012).

\*\* No water or salt fluoridation.

*Hydroxyapatite, composed of calcium and phosphorus, is the major mineral component occurring naturally in teeth and has significant re-mineralizing effects.*

*Hydroxyapatite products are biocompatible,  
bioactive and durable.*



*Hydroxyapatite chemically bonds to bone, is nontoxic and stimulates bone growth through a direct action on osteoblasts.*

*It's use in oral implantology is established and it is widely used in periodontology and in oral and maxillofacial surgery.*

*If fluoride is present, it replaces the tooth's natural hydroxyapatite with hydroxyfluorapatite.*

*Fluoride-containing products such as toothpaste and mouthwash can be replaced with toothpastes that contain hydroxyapatite to preserve and strengthen the natural structure of teeth and help to prevent caries formation.*

*3) Is Fluoride added to the water supply  
necessary?*

*Based upon the risks and benefits and the fact that other natural forms to fight tooth decay are safer and far more beneficial.*

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*Final Thought:*

*The ingestion of Fluoride is cumulative. We have no way of knowing with current dispensing methods how much ANY individual is getting and at what point they will become TOXIC.*



*Municipal Water Fluoridation is not  
beneficial and can be detrimental to our  
society.*

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*Thank you!*