

# What You Need to Know About Fluorides and Fluoridation

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**ADA** American Dental Association®

# Objectives

- Describe the external influences on fluoridation - 2000 versus 2010
- Advantages/disadvantages of state versus local fluoridation initiatives
- The future

# Journey Back to 2000

- New Millennium
- Super Bowl XXXIV – St. Louis Rams
- Gas - \$1.26/gallon
- Best Film of 2000 – Gladiator
- Dot Com Bubble Bursts
- First Crew Takes Up Residence in Space Station
- Chicago Cubs – Last place Central Division/NL

# 2000 VERSUS 2010

## US Population

2000	282,434,000
2010	309,150,699

## Life Expectancy

2000	76.8 years
2010	78.3 years

## 2000 VERSUS 2010

Retirement of Baby Boomers. We must not lose sight of the remarkable progress that has been made.

- Dental caries was a very serious problem in the 40s
  - WW II requirement of 6 opposing teeth had to be waived very early
  - 40% of all WW II draftees required immediate treatment for the relief of pain
  - The typical school child developed 3-4 new carious lesions each year

## 2000 VERSUS 2010

US Supreme Court rules government lacks authority to regulate tobacco as an addictive drug.

US Congress passes legislation giving the FDA regulation over tobacco products.  
(Family Smoking Prevention and Tobacco Control Act 2009)

# 2000 VERSUS 2010

First Draft Human Genome Released

Lancet - Editors print full retraction of  
Wakefield study on MMR vaccines and  
autism

# 2000 VERSUS 2010

American adults (over 18) who use the Internet

2000	45%
2010	75%

Pew Internet & American Life Project Surveys 2000-2009  
<http://www.pewinternet.org/Static-Pages/Trend-Data/Home-Broadband-Adoption.aspx>



# 2000 VERSUS 2010

## Federal Government

	Feb 2000	March 2010
Basically Content	33%	19%
Frustrated	54%	56%
Angry	10%	21%
Don't Know	3%	5%

Pew Research Center March 11-21 Q20.

<http://pewresearch.org/pubs/1569/trust-in-government-distrust-discontent-anger-partisan-rancor>

# 2000 VERSUS 2010

## State Dental Directors

2003

42 DDS/RDH

8 Other

1 Open

2010

39 DDS/RDH

11 Other

1 Open

## ADA Staff Working on Fluoridation

2000 = 2

2010 = 1

# 2000 VERSUS 2010

## Fluoridation Additives Cost

Higher in 2010 but cost of all water treatment additives have increased.

Cost is in line with Consumer Price Index

Cost of health/dental care has also risen

# 2000 VERSUS 2010

CDC's My Water's Fluoride

Launched September 1999

June 2000      20 States and 2 Tribal Gov's

January 2010      42 States and 6 Tribal Gov's

# 2000 VERSUS 2010

## ASTDD Fluoridation Information Survey

### Need New Fluoridation Equipment in Next Year

1999-2000

38 States

2009-2010

10 States

### Need Replacement Equipment in Next Year

1999-2000

28 states – 257 systems

2009-2010

10 states – 374 systems

## 2000 versus 2010

May 2000

*Oral Health in America:  
A Report of the Surgeon General*

April 2003

*National Call To Action To Promote Oral Health*

2010?

# 2000 VERSUS 2010

## Healthy People 2010

Objective 21-9: Increase the proportion of the U.S. population served by community water systems with optimally fluoridated water

Target: 75%

2000 65.0%

2008 72.4%

# State VERSUS Local Initiatives

- Many state initiatives since 2000 – vast majority unsuccessful
- Two bills passed in 2008
  - Louisiana
  - Nebraska
- Funding Issues
- Opt Out Clauses
- History/Records of Defeat

ALL POLITICS ARE LOCAL



# What's in the future for fluoridation?

## Publication of ADA EBDs

- Dietary Fluoride Supplements
- Infant Fluoride Intake

## Publication of Results of the “Harvard Study” and California Prop 65

## EPA Action on 2006 NRC Report (MCL)

## ADA Fluoridation Facts 2011 Edition

## OPPOSITION

# Community Water Fluoridation

**THANK YOU!**

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