

Connecting Oral Health to Every Child

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Nevada Disabilities Conference
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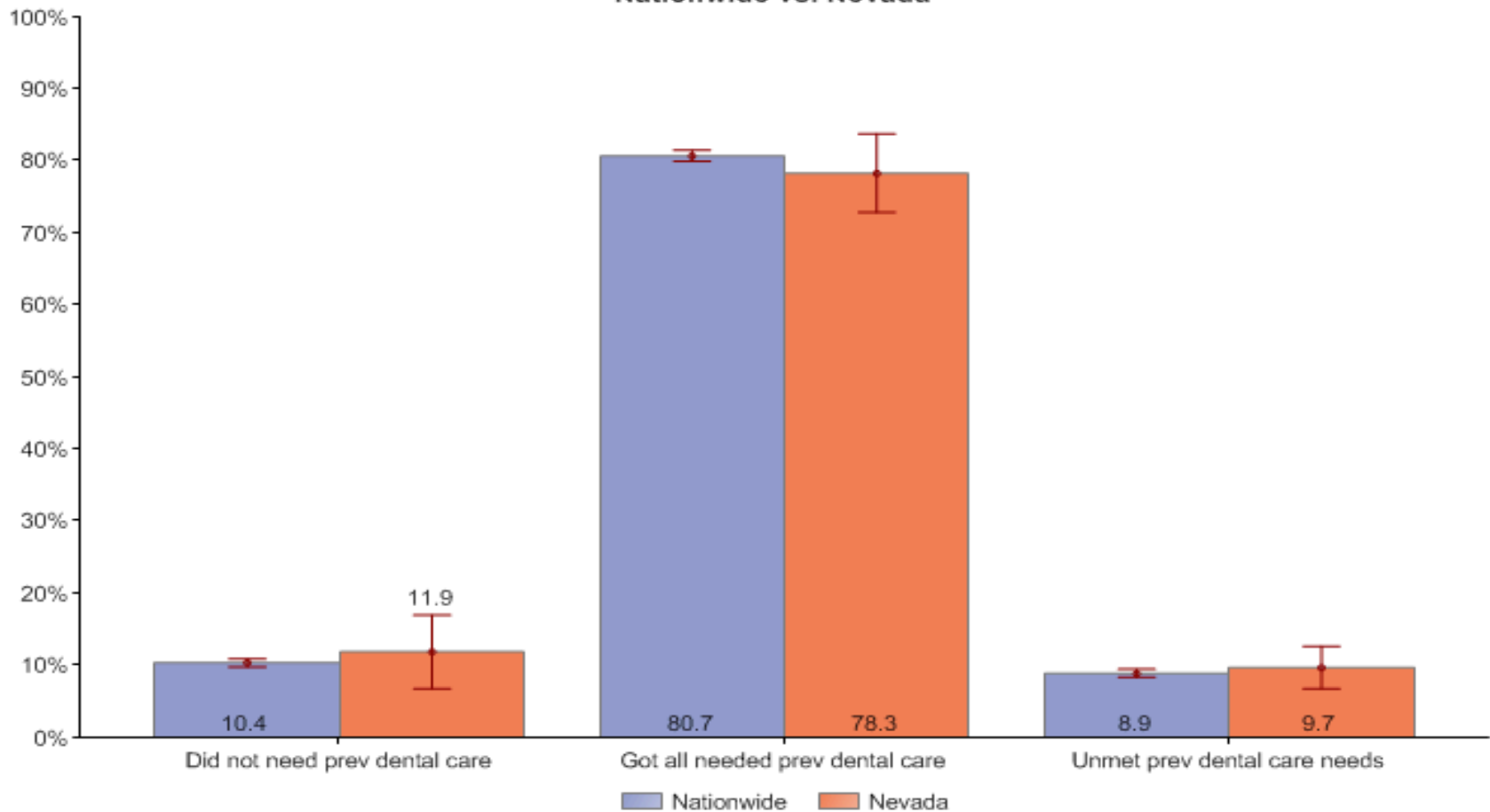


Objectives

1. Identify the unmet oral health needs of Children with Special Health Care Needs.
2. Understand the etiology of oral disease.
3. Explain the child health provider's role in preventing oral disease in Children with Special Health Care Needs.
4. Identify appropriate state and national oral health resources for parents, caregivers, educators and health professionals.

National Survey of Children with Special Health Care Needs 2009-2010

Unmet needs for preventive dental care CSHCN age 0-17 years Nationwide vs. Nevada



It's All Preventable!

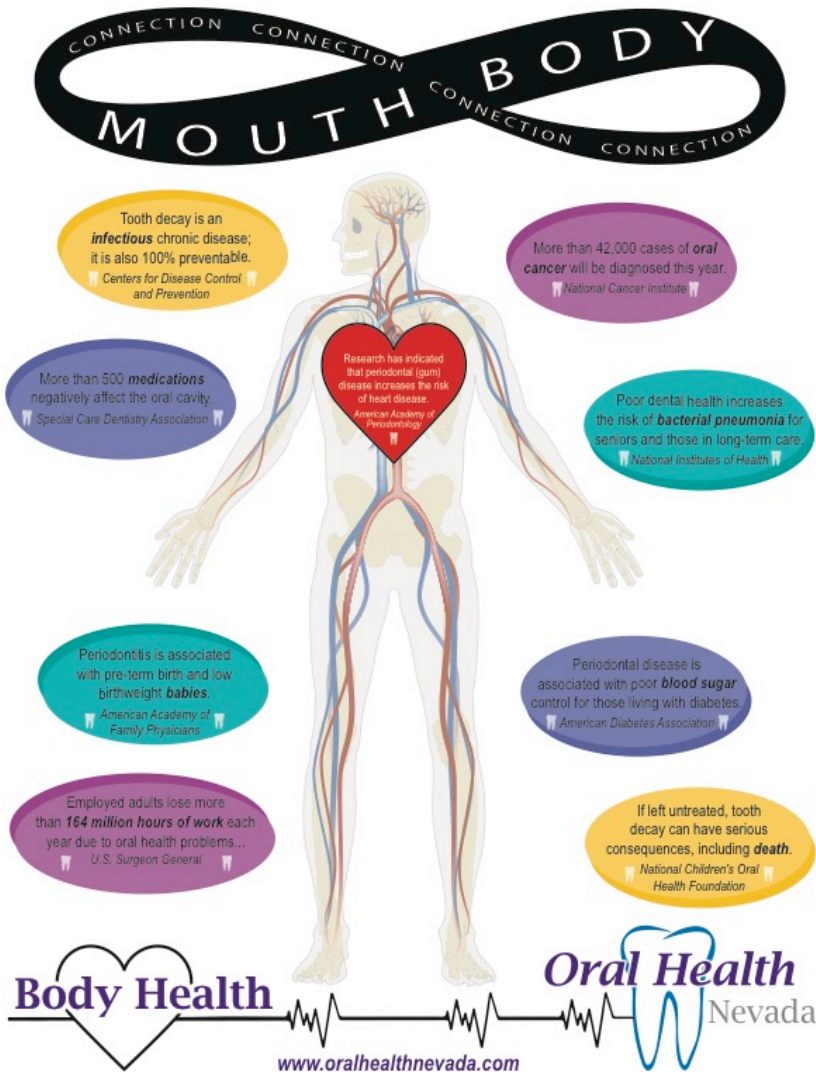


Why is Dental Health Important?

- Chewing/Digestion/Nutrition
- Communication
- Self-Esteem
- Learning
- Employability



Linkages to Systemic Conditions



Heart Disease
Stroke
Bacterial Pneumonia
Diabetes
Pregnancy

The Picture of Oral Health

- **Primate Spaces**
- **Shiny, White Enamel**
- **Gums, Pink and Firm**
- **No demineralization or cavities**
- **No plaque/food accumulation**

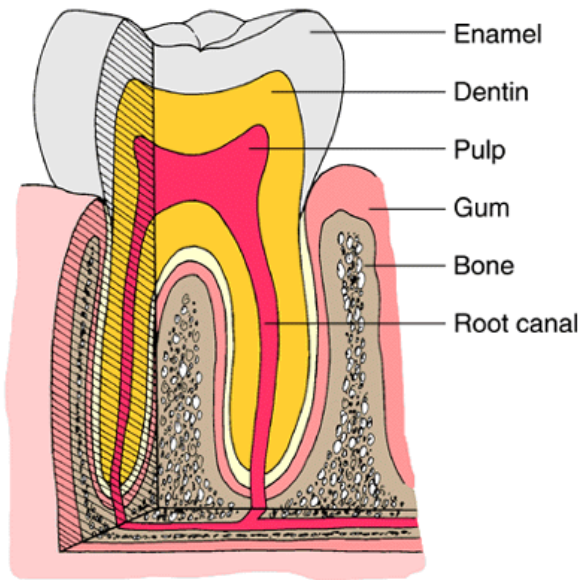


Enamel Structure



Scanning electron micrograph of normal enamel

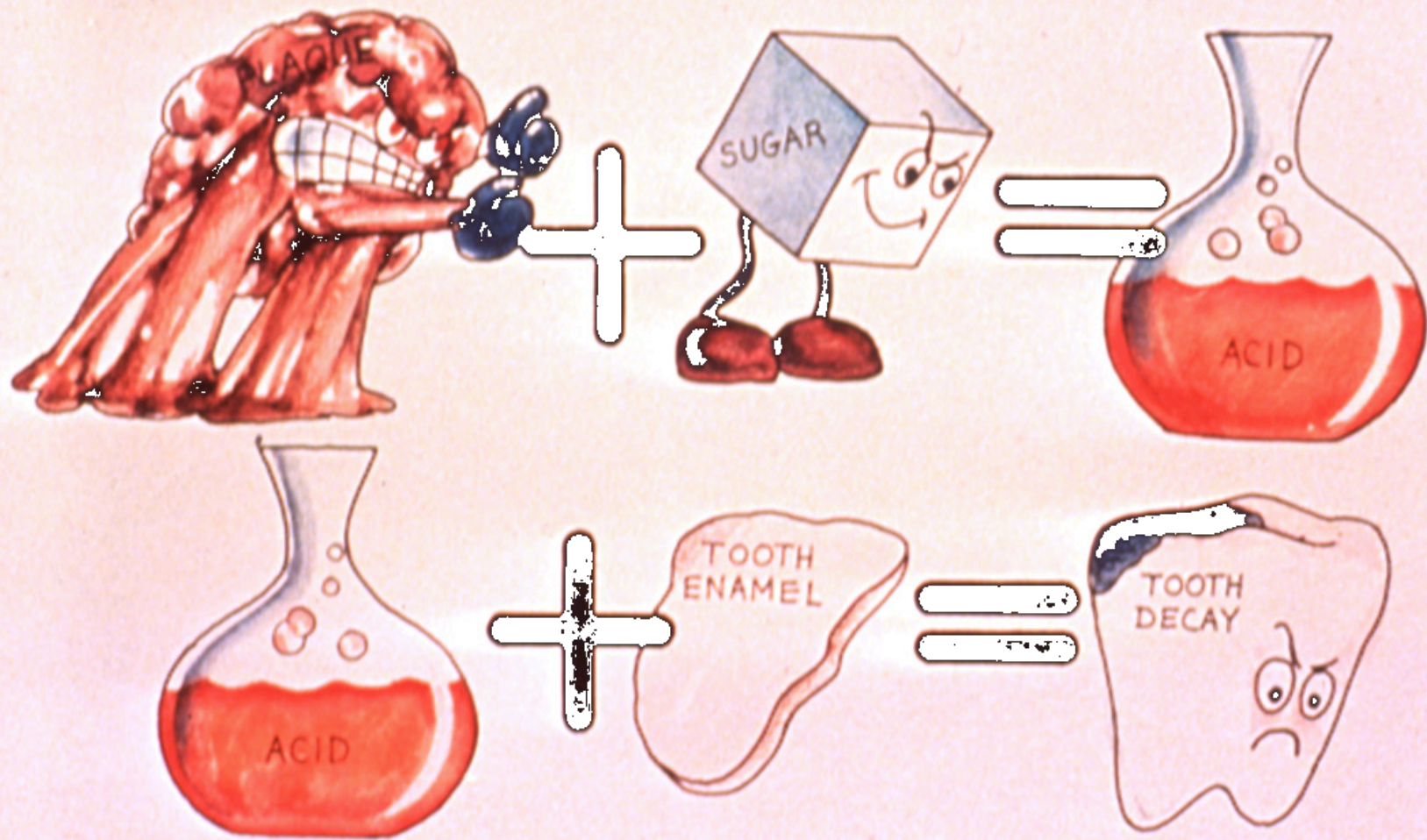
Source: www.usc.edu/.../Bits/2000fw/Achievement.htm & www.dent.unc.edu/research/defects/aigenes.cfm



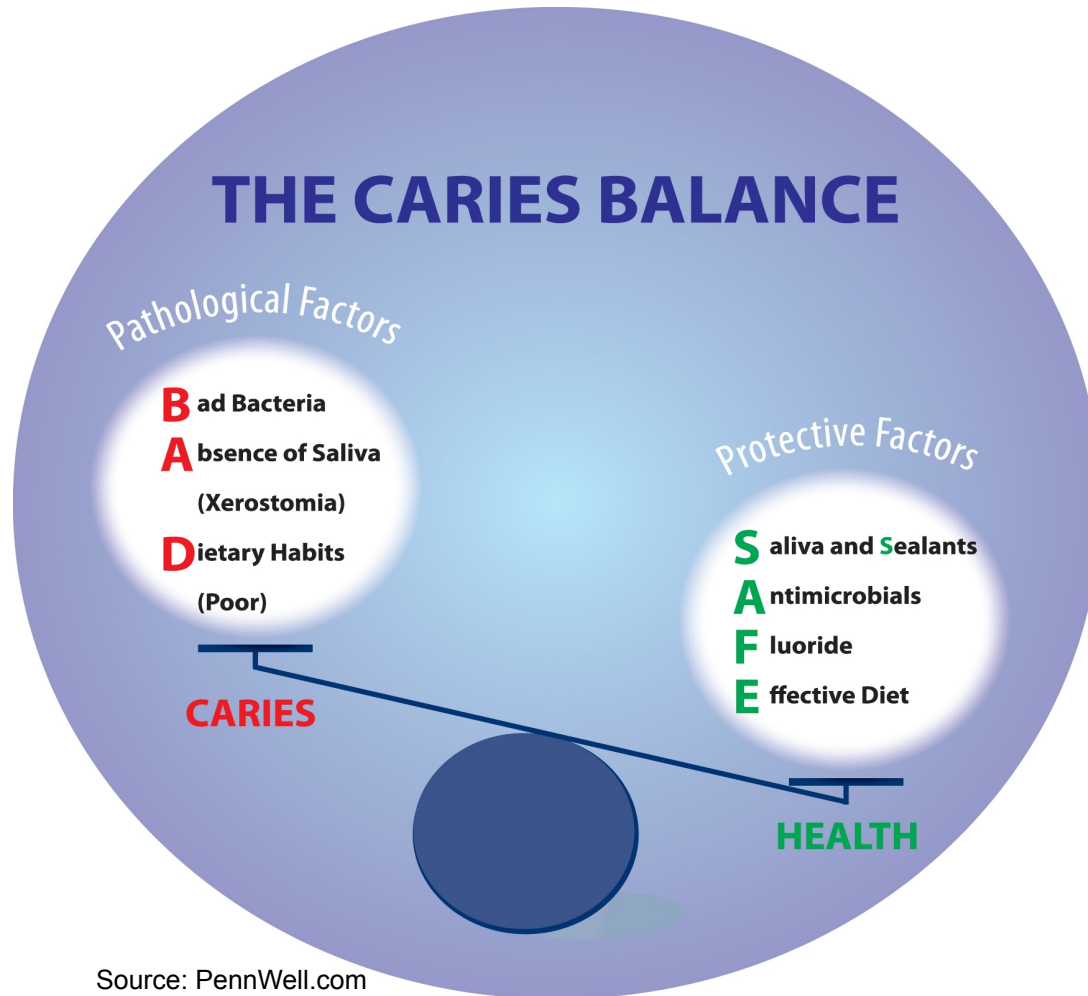
Source: www.childrenshospital.org/.../Images/tooth.gif

- Enamel is the hardest, most mineralized tissue in the human body
- 97% mineral by weight
- Composed of hydroxyapatite mineral and trace elements

THE CHAIN OF TOOTH DECAY



Preventing Tooth Decay



What Chronic Conditions Could Increase the Risk of Tooth Decay?

- Physical Challenge/Disability
- Gastrointestinal Disorder (GERD)
- Immune System Disorder
- Hypocalcified Enamel
- Diabetes
- Xerostomia



Xerostomia

- Abnormal reduction of saliva
- Can result as a symptom of disease or as a side effect of over 500 medications
- Saliva's functions: lubrication, protection against mucosal drying, digestion, neutralization, taste, irrigation of debris and microbes
- Requires a change in behavior



Tooth Decay



Healthy Eating

- Children of all ages with poor dietary habits are at a high-risk for developing tooth decay
- Limit the frequency of consuming any liquid or food containing sugar and/or simple carbohydrates
- Limit food as a behavioral/educational reward
- Even “healthy” foods and drinks can increase the risk for tooth decay
 - Animal Crackers
 - Gummy and chewable vitamins
 - Fruit leather
 - Raisins
 - Citrus juices
 - Diet Sodas



Plaque Bacteria



Prevention Strategies: Plaque Control

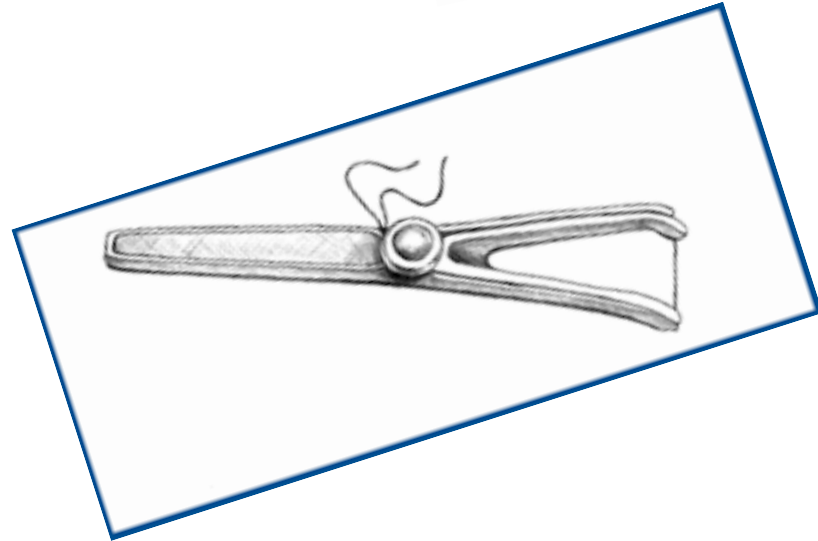
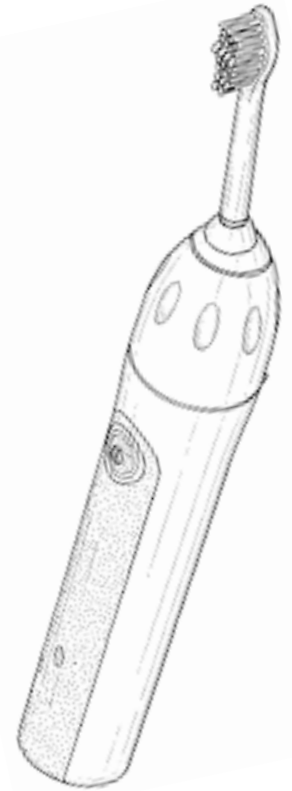
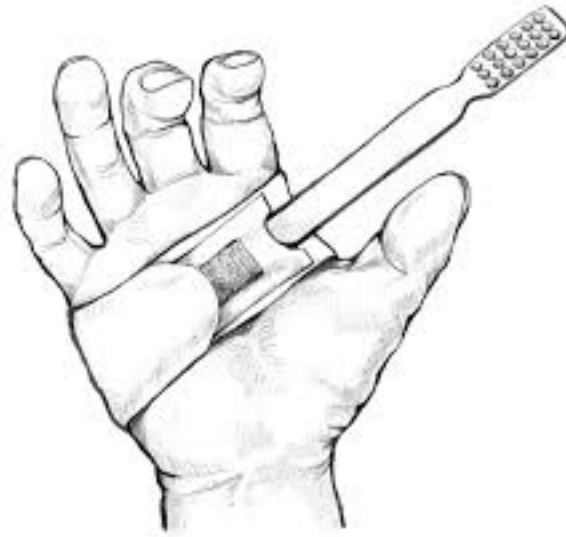
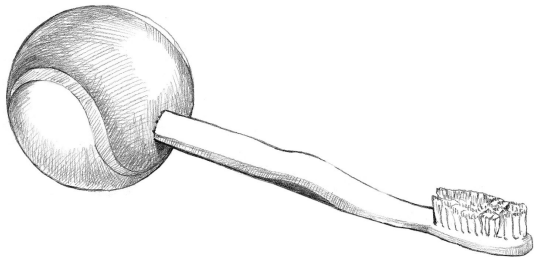
- Brush twice daily with a soft bristled brush
- CAREGIVER SUPERVISION until about age 8
- Children 6 months to 3 years use a smear of fluoride toothpaste; spit the toothpaste out, no rinsing
- Children 3 years and older use a pea-sized amount of fluoride toothpaste; spit the toothpaste out and minimal rinsing
- Floss at least once daily
- Children over age 6 can rinse with fluoride

SMEAR



PEA

Adapting a Toothbrush



Positioning







Sitting on the Floor



Lying on the Bed or Couch





**Using a Bean
Bag Chair**



**Lying On the
Floor**



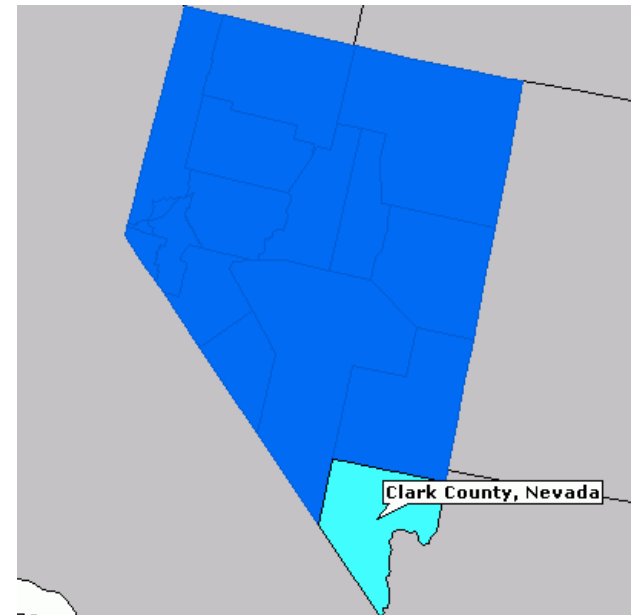
Fluoride/Fluoridation

SYSTEMIC

- Water Fluoridation
- Tablets/Vitamins

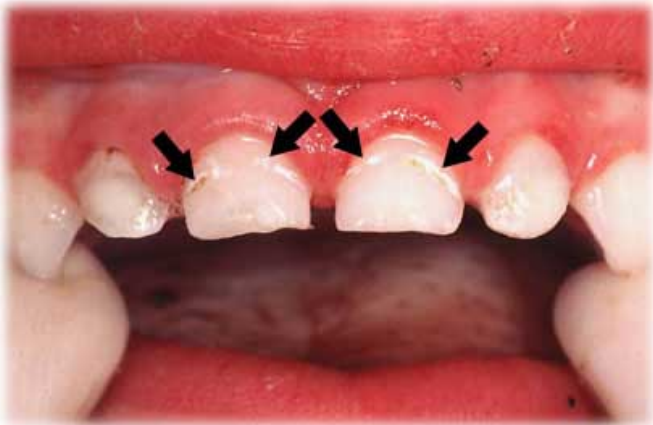
TOPICAL

- Toothpaste
- Rinses
- Fluoride Varnish



Fluoride Varnish

- Prevents tooth decay by about 30 percent
 - Reduces disparities and the burden of dental disease
- Remineralizes early tooth decay
 - Eliminating/reducing dental treatment costs



Regular Preventive Dental Care

- Medicaid & Nevada Check Up
- *Nevada Oral Health Resource Guide*
- Public Health Endorsed Dental Hygienist
 - School-Based Programs

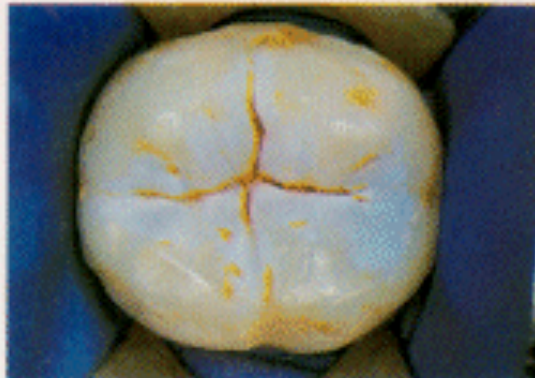


Dental Sealants

- Plastic material placed into the deep groves and fissures of posterior **permanent** teeth
- Painless procedure, no tooth structure is removed
- Recommended when first molars fully erupt, usually by age 6, and when second molars erupt around age 12



Chewing surface of a molar before sealant is applied.



The tooth surface is etched with a mild solution to help the sealant adhere.



Chewing surface of a molar protected by a shaded sealant.

National Maternal and Child Oral Health Resource Center



The screenshot shows the homepage of the National Maternal & Child Oral Health Resource Center. At the top, there is a logo with a green and white checkered pattern and the text "National Maternal & Child Oral Health RESOURCE CENTER". To the right of the logo, it says "Georgetown University" and "Helping states and communities address public oral health issues". Below the logo is a banner image showing a group of diverse children and adults smiling. A navigation bar below the banner includes "Home", "A-Z List", and a list of letters from A to Z. The main content area features a "Resource Highlights" section with the title "Focus on Children and Adolescents with Special Health Care Needs". This section includes a sub-image of a young girl in an orange jacket, a paragraph describing the collection of resources, and a link to a resource guide. Below this is a "Selected Materials in the OHRC Library" section with three entries: 1) "Agoratus L. 2014. Affordable Care Act (ACA): Why Oral Health Is Important for Children with Special Health Care Needs and How to Access It. Albuquerque, NM: Family Voices. 2 pp." followed by a paragraph about the tip sheet's content. 2) "Holt K, Barzel R, Bertness J. 2014. Oral Health for Children and Adolescents with Special Health Care Needs: Challenges and Opportunities. Washington, DC: National Maternal and Child Oral Health Resource Center. 6 pp." followed by a paragraph about the fact sheet's focus. 3) "National Center on Health. 2013. Brush Up on Oral Health. Elk Grove Village, IL: National Center on Health. 3 pp." followed by a paragraph about the July 2013 issue. A sidebar on the left contains a "Library" section with a list of topics such as "Children with Special Health Care Needs", "Dental Caries", "Dental Sealants", etc. Other sidebar sections include "MCHB", "Leadership and Legacy", "Bright Futures Toolbox", "Links", and "About Us".

Resource Highlights: Focus on Children and Adolescents with Special Health Care Needs

This collection of selected resources offers high-quality information about children and adolescents with special health care needs. Use the tools below for further searching, or [contact us](#) for personalized assistance.

For a comprehensive list of materials and websites, review [Oral Health Services for Children and Adolescents with Special Health Care Needs: A Resource Guide](#).

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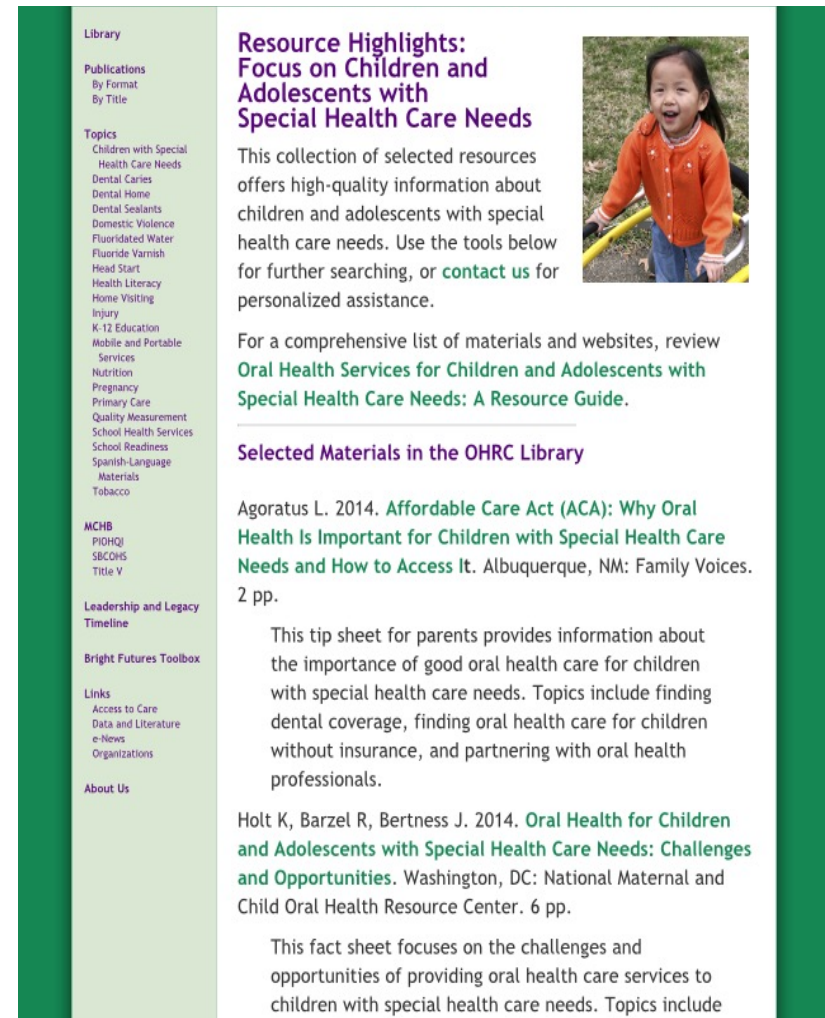
This tip sheet for parents provides information about the importance of good oral health care for children with special health care needs. Topics include finding dental coverage, finding oral health care for children without insurance, and partnering with oral health professionals.

Holt K, Barzel R, Bertness J. 2014. [Oral Health for Children and Adolescents with Special Health Care Needs: Challenges and Opportunities](#). Washington, DC: National Maternal and Child Oral Health Resource Center. 6 pp.

This fact sheet focuses on the challenges and opportunities of providing oral health care services to children with special health care needs. Topics include factors that contribute to oral health problems, unmet care needs, barriers to care, care coordination, work force development, and federal and national programs. [Funded by the Maternal and Child Health Bureau]

National Center on Health. 2013. [Brush Up on Oral Health](#). Elk Grove Village, IL: National Center on Health. 3 pp.

The July 2013 issue of [Brush Up on Oral Health](#) provides information on the challenges that come



This section provides a detailed view of the "Resource Highlights" area. It features a vertical sidebar on the left with a "Library" section containing a list of topics: "Children with Special Health Care Needs", "Dental Caries", "Dental Home", "Dental Sealants", "Domestic Violence", "Fluoridated Water", "Fluoride Varnish", "Head Start", "Health Literacy", "Home Visiting", "Injury", "K-12 Education", "Mobile and Portable Services", "Nutrition", "Pregnancy", "Primary Care", "Quality Measurement", "School Health Services", "School Readiness", "Spanish-Language Materials", and "Tobacco". Below this is another "MCHB" section with "PIHQJ", "SBCOHS", and "Title V". Further down are "Leadership and Legacy", "Bright Futures Toolbox", "Links", and "About Us". The main content area on the right has a heading "Resource Highlights: Focus on Children and Adolescents with Special Health Care Needs" next to a small image of a young girl in an orange jacket. Below the heading is a paragraph describing the collection of resources and a link to "contact us". This is followed by a paragraph about a comprehensive list of materials and websites, with a link to "Oral Health Services for Children and Adolescents with Special Health Care Needs: A Resource Guide". Below that is a section titled "Selected Materials in the OHRC Library" with an entry for "Agoratus L. 2014. Affordable Care Act (ACA): Why Oral Health Is Important for Children with Special Health Care Needs and How to Access It. Albuquerque, NM: Family Voices. 2 pp." followed by a paragraph about the tip sheet's content. This is followed by an entry for "Holt K, Barzel R, Bertness J. 2014. Oral Health for Children and Adolescents with Special Health Care Needs: Challenges and Opportunities. Washington, DC: National Maternal and Child Oral Health Resource Center. 6 pp." followed by a paragraph about the fact sheet's focus. At the bottom, there is a paragraph about the July 2013 issue of "Brush Up on Oral Health".

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This fact sheet focuses on the challenges and opportunities of providing oral health care services to children with special health care needs. Topics include

A Caregivers Guide to Good Oral Health for Persons with Special Needs



Steven P. Perlman, DDS, MscD
Clive Friedman, DDS
Sanford J Fenton, DDS, MDS



Special Olympics

Healthy Habits
Special Smiles®

Special Olympics Special Smiles

South Carolina Dept. of Health



[www. https://
www.scdhec.gov/
library/
CR-006832.pdf](https://www.scdhec.gov/library/CR-006832.pdf)

www.OralHealthNevada.com



Empowering all Nevadans to have the best oral health possible.

Search this website...



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HOME

WHO WE ARE

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RESOURCES

ADVOCACY

INITIATIVES

PARTNERS

CONTACT US

A banner image featuring an elderly woman in a wheelchair on the left and a young woman with glasses smiling on the right. A semi-transparent blue box with white text is overlaid on the right side of the image.

Nevada's low income seniors and those with disabilities have little support to assist with paying for even basic dental care.

www.OralHealthNevada.com



Empowering all Nevadans to have the best oral health possible.



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Engaging broad-based
in initiatives designed to
component of general h
vulnerable, unserved, a

- [Consumer Resources](#)
- [Find A Dental Provider](#)
- [Ask A Dental Hygienist](#)
- [Dental and Health Professionals](#)
- [Stakeholders and Policy Makers](#)
- [Interactive Map](#)

tate and local level, we will collaborate
awareness of oral health as an important
ork to increase access to care for
populations.

www.OralHealthNevada.com

Consumer Resources

Oral Health Nevada has developed and gathered resources to help with consumer oral health and education. Some resources are fact sheets, some are links to other reliable websites, and others may be a video or presentation. Each is useful to assist us in empowering all Nevadans to have the best oral health possible.

Resources are displayed in alphabetical order; click on the name of the resource to find out more. Please share the resources you find most helpful.

- [Academy of General Dentistry](#)
- [American Academy of Pediatrics](#)
- [American Academy of Pediatric Dentistry](#)
- [American Dental Hygienists' Association](#)
- [American Dental Association](#)
- [Community Water Fluoridation](#)
- [Denture Care](#)
- [Diabetes - Fact Sheet 1 and Fact Sheet 2](#)
- [First Aid for Dental Emergencies \(English and Spanish Fact Sheets\)](#)

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RESOURCES

[Consumer Resources](#)

[Find A Dental Provider](#)

[Ask A Dental Hygienist](#)

[Dental and Health Professionals](#)

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Special Health Care Needs

Fact Sheets

- [Oral Health and General Health](#)
- [Oral Health and Diabetes](#)
- [Adapting a Toothbrush](#)
- [Medication Use and Oral Health](#)

Videos

- [Knee to Knee Tooth Brushing for Younger Children](#)
- [Oral Care for Parents and Caregivers of CSHCN](#)
- [Home Dental Care for People with Disabilities](#)
- [Dental Tips for Kids with Special Needs](#)
- [Toothbrushing for People with Disabilities](#)

Mobile and Tablet Applications

- [Text4Baby](#)

Useful Websites



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Infant and Early Childhood and Dental Health

Fact Sheets

- [Cleaning Your Baby and Toddler's Teeth and Gums \(English\)](#)
- [Fluoride: It's Important! \(English\)](#)
- [Fluoride: It's Important! \(Spanish\)](#)
- [Healthy Behaviors \(English\)](#)
- [Healthy Behaviors \(Spanish\)](#)
- [Healthy Eating \(English\)](#)
- [Healthy Eating \(Spanish\)](#)
- [Medication and Dental Health \(English\)](#)
- [Medication and Dental Health \(Spanish\)](#)
- [Visiting a Dental Professional \(English\)](#)
- [Visiting a Dental Professional \(Spanish\)](#)
- [What are White Spots? \(English\)](#)
- [What are White Spots? \(Spanish\)](#)
- [Why is Mom and Dad's Oral Health Important for their Baby's Dental Health? \(English\)](#)
- [Why is Mom and Dad's Oral Health Important for their Baby's Dental Health? \(Spanish\)](#)

Mobile or Tablet Applications

Thank you!

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