Fostering Health Equity in Missouri: A Focus on Mothers & Infants

A MATERNAL & INFANT HEALTH CONVENING PRESENTED BY:











Integration of medical and dental health for pregnant women, infants, and toddlers. March 6, 2024

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Objectives

Prenatal exams should include an oral health review and referral for oral health care.

Poor oral health during pregnancy can contribute to preterm labor, preeclampsia and low birth weight.

Dental care is safe and important for pregnant moms.

Infant and toddler exams should include a knee to knee oral exam and fluoride varnish application once the teeth erupt.

Referral to a dental home by age one.

Importance of integration for maternal and child health outcomes

Comprehensive care

Interconnected health

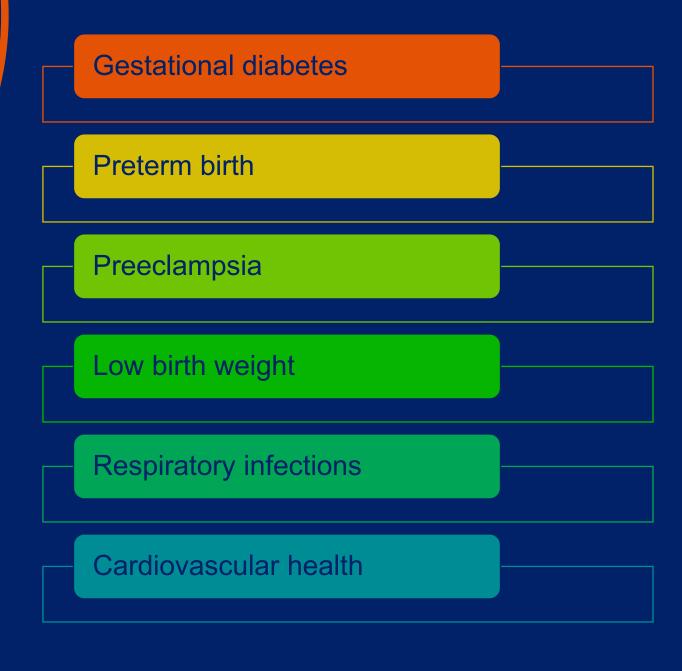
Preventive strategies

Addressing disparities

Impact on pregnancy

Long-term benefits

Impact of neglecting dental health during pregnancy



Common concerns and misconceptions of dental care during pregnancy:

Myths & Realities

Myth: Dental treatments are unsafe during pregnancy

Myth: X-rays should be avoided completely

Myth: Local anesthetics pose risks to the fetus

Myth: Dental procedures should be deferred until after pregnancy

Myth: Pregnancy causes irreversible damage to teeth

Myth: Morning sickness will harm teeth

Safe delivery of dental care during pregnancy: timing and considerations

Preconception

First trimester

Second trimester

Third trimester

Emergency situations

Consultation with health care providers

Tooth decay is the most frequent childhood disease, but it's also the most preventable.

Dental Caries Statistics

Prevalence of Dental Caries

Most common chronic disease in children

5 times more common than asthma

7 times more common than hay fever

Rate of Dental Caries

Age 2 – 5 years: 28%

Age 6 – 8 years: 52%

Age 12 – 17 years: 59%

80% of decay is found in 20-25% of children

CDCs Oral Health Surveillance Report, 2019 available at https://www.cdc.gov/oralhealth/publications/OHSR-2019-index.html

Early Childhood Caries Can Lead to...

- Extreme pain
- Spread of infection
- Difficulty chewing and poor weight gain
- Falling off the growth curve
- Extensive and costly dental treatment
- Risk of dental decay in adult teeth
- Crooked bite (malocclusion)



Preventive strategies for early childhood caries

Oral hygiene education

Early dental visits

Fluoride supplementation

Balanced diet

Bottle feeding practices

Avoidance of prolonged pacifier use

Why establish a dental home by age one?

Early prevention and intervention

Oral health education for parents/caregivers

Monitoring dental development

Establishing trust and familiarity

Preventing dental anxiety

Continuity of care

Establishing lifelong oral health habits

- Start early
- Lead by example
- Make it routine
- Educate and empower
- Limit sugary foods and drinks
- Regular dental check-ups
- Adapt to life changes
- Stay informed



Infant and Child Oral Health Program

Infant knee to knee exam allows you to counsel parent and look for decay.

Fluoride varnish application starting at age one.

Can refer patient to usual referral sources if child has decay present.





White/chalky areas can turn into brown spots (cavities)

 White spots are very beginning phase of dental disease – refer to dentist.

Improved brushing, feeding habits and application of fluoride varnish, these spots can be stopped from getting worse.

Fluoride Varnish

- Safe if swallowed—no nausea.
- Easy to learn to apply.
- Easy to perform application.
- Quickly completed.
- Sets on contact with moisture (saliva).
- Not rendered inactive by plaque.
- Taste is tolerable and well accepted.
- Can reverse early decay and can arrest active decay lesions.



https://pointsoflightonline.org/



PEDIATRIC DENTIST

GENERAL DENTIST



PEDIATRICIAN



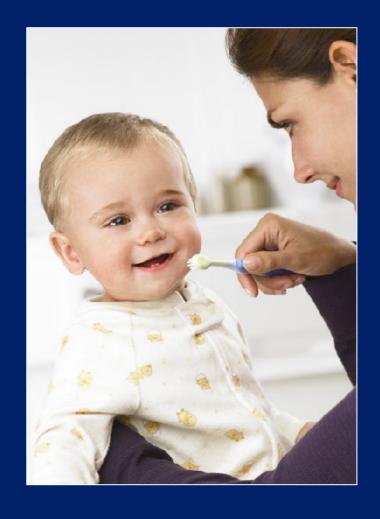
Tips to Clean Baby's Teeth

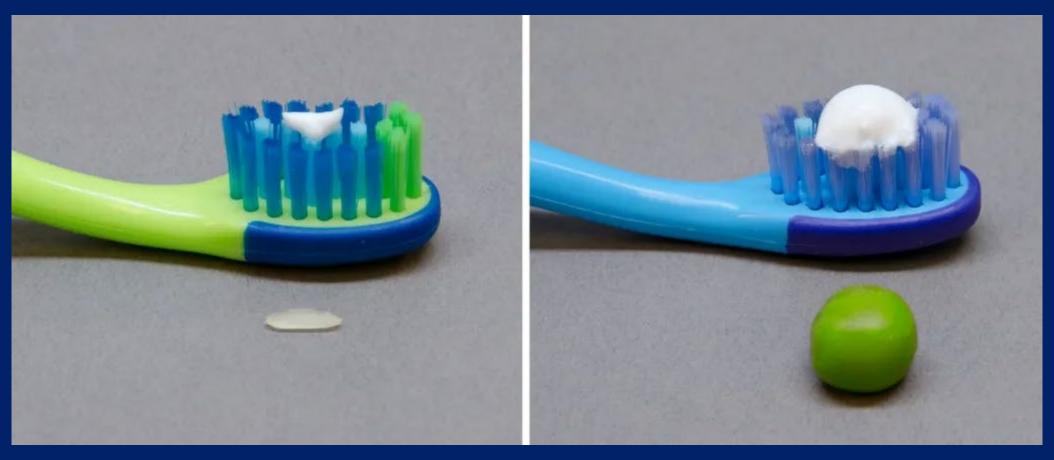
Begin cleaning your baby's mouth during the first few days by wiping the gums with a clean, moist gauze pad or washcloth.

- When your child's teeth begin to come in, brush them gently with a child-size toothbrush and water. A baby's front four teeth usually push through the gums at about 4 to 6 months of age.
- For children older than 2, talk to your dentist about starting to brush your child's teeth with a small amount of fluoride toothpaste. Be sure they spit out the toothpaste.
- Until you're comfortable that your child can brush on his or her own, continue to brush your child's teeth twice a day with a child-size toothbrush and a small amount of fluoride toothpaste.

Toothbrushing Recommendations

Age	Toothbrushing Recommendations (CDC, 2001)
< 1 year	~ Clean teeth with soft toothbrush
1–2 years	~ Parent performs brushing
3–6 years	Pea-sized amount of fluoride- containing toothpaste 2x/dayParent performs or supervises
> 6 years	~ Brush with fluoridated toothpaste 2x/day





Use a smear (left) of fluoridated toothpaste on your baby's teeth as soon as they erupt, and a pea-sized dollop (right) between ages 3 to 6, say new recommendations from the American Dental Association.

COURTESY OF THE AMERICAN DENTAL ASSOCIATION

Optimizing Oral Hygiene: Flossing

When to Use Floss

- Once a day (preferably at night)
- When any 2 teeth touch







CWF achieves 25% decay reduction in all citizens regardless of income or other socio-economic factors.

COMMUNITY WATER FLUORIDATION (CWF)



Make sure to drink fluoridated water

 More bottled water consumption means less fluoride intake.

Oral Flora: How Does Infection Occur?

- Transmitted mainly from mother or primary caregiver to infant
- Window of infectivity is first 2 years of life
- Earlier child colonized, the higher the risk of caries

Minimize Risk for Infection

Caregivers who can reduce the amount of bad bacteria in their mouth can increase the odds that their baby will not inherit it.



Early Childhood Caries: Who is at Greatest Risk?

 Children from low SES (eg. Medicaid eligible)

 Children whose caregiver and/or siblings have decay

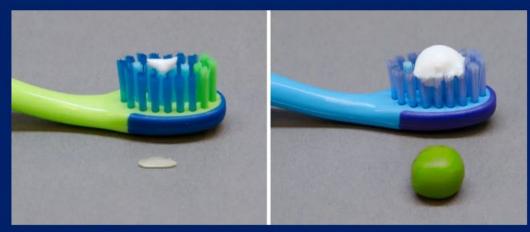
Poor access to dental care



The Best Indicators For Increased Caries Risk Are:



Inadequate exposure to fluoride systemic or topical



Use a smear (left) of fluoridated toothpaste on your baby's teeth as soon as they erupt, and a pea-sized dollop (right) between ages 3 to 6, say new recommendations from the American Dental Association.

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The Best Indicators For Increased Caries Risk Are:

Fermentable Carbohydrate Consumption



INSTAGRAM/DELISHDOTCOM

Tips to Prevent Early Childhood Caries



Tooth decay in infants and toddlers is often referred to as baby bottle tooth decay.

The most common cause of tooth decay in babies is frequent, prolonged exposure of the baby's teeth to drinks that contain sugar.

PARENTS NEED TO BE AWARE
IT'S NOT THE BOTTLE.....IT'S THE
BEVERAGE!

 Milk, juice, soda, Kool-aid and Gatorade can all cause ECC.

 Water and sugar free drinks should be the only things offered in a night-time bottle.



Maine AAP: Office-based Display Showing the Amounts of Sugar in SDs





Maine Center for Public Health and Let's Go!











WHAT IS THE MOST COMMON CAUSE OF CAVITIES IN CHILDREN OVER 3 YEARS OLD?



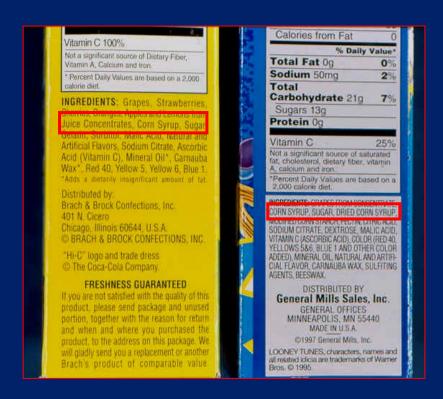
These snacks look nutritious, but are they good for the teeth?

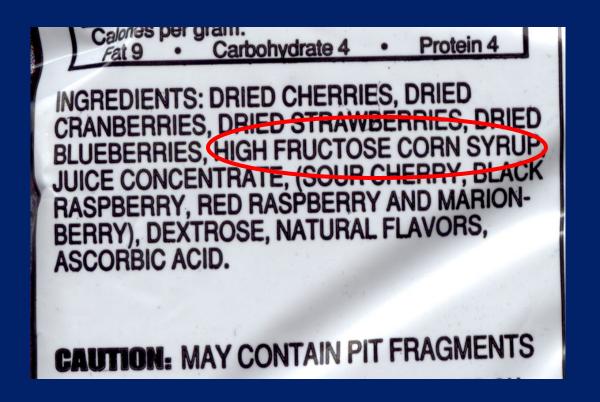




The Top 3 Ingredients are Sugars!

Appears healthy but there are hidden added sugars.





Nutritional Eating Habits

- Sticky foods are worse for the teeth because they don't wash off the teeth as quickly.
- If you snack often, your mouth does not get a chance to clear the food of your teeth.





Nutritional Eating Habits

- Anything that breaks down into carbohydrates can cause cavities.
- This includes starchy foods like potato chips and crackers.



10,000 Newborn Dental Kits in Development



Rural Parish Clinic- Medical



Rural Parish Clinic- Dental





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> 1,088 DIAGNOSTIC X-RAYS 606 CLEANINGS 615 FILLINGS 1,162 EXTRACTIONS 114 ROOT CANALS

Thank You Everyone!

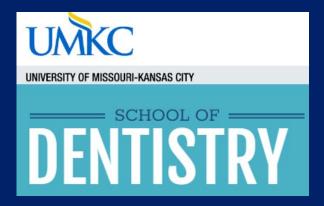


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Oral Health Network of Missouri

Missouri Primary Care Association's oral health program, the Oral Health Network of Missouri, provides services to member dental clinics in support of their mission to provide comprehensive dental care to their patients.







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QUESTIONS?