







### MECHANISM OF ACTION Gum Disease (Gingivitis) Inflammation of the gum tissue due to plaque and bacteria Bacteria can enter the bloodstream affecting other regions of the body

### **THE FACTS**

- Dental caries is the most *common chronic disease* in children
   5 times more common than asthma
  - 7 times more common than hay fever
- 27.9% of children aged 3 to 5 have experienced at least one cavity
- >20% of children aged 2 to 5 have untreated tooth decay
- 80% of Americans have had at least one cavity by age 17
- The burden of disease is greatest among lower socioeconomic minority populations



### **QUALITY OF LIFE**

- School Success
  - 51 million school hours lost annually due to dental related conditions
  - Impacts ability to focus & pay attention





### **OBESITY AND CARIES**

- American Academy of Pediatric Dentistry
  - Policy on Dietary Recommendations for Infants, Children, and Adolescents
     Policy on Obstructive Sleep Apnea
- Several studies in numerous countries have explored the relationship between obesity and caries • Mixed results
- Obesity and dental caries in children aged 2-6 years in the United States: National Health and Nutrition Examination Survey 1999-2002 (Hong et al., 2008)
  - No significant association between childhood obesity and caries experience after controlling for age, race, and poverty/income ratio"
- Dye et al., (2004) found significantly greater odds of experiencing caries in primary teeth in non-poor children who did not eat breakfast daily or who ate fewer than 5 servings of fruits and vegetables per day

### GOALS

#### **PREVENTION & EDUCATION**

- Early visits to prevent development and progression of dental disease
- Consistent messaging across disciplines
- AAPD and AAP recommend first dental visit by <u>age 1</u> to establish a DENTAL HOME



### PRIMARY CARE AND ORAL HEALTH

- Risk Assessments
- Education and Anticipatory Guidance
- Application of Fluoride Varnish
- Referrals

# **BISE ASSESSMENTS** *What, where, when, why, how often? Diet*Sugar, soda, carbohydrates Sugare, ada, carbohydrates Prushing, flossing, mouth rinse, toothpaste Behavioral risk factors Smoking, drinking, sports Medical factors Medications (decay, xerostomia)









## INFANTS AND TODDLERS Brush Early and Often Soft cloth to wipe gums after feeding



• Use "smear" or rice grain size of toothpaste *with* FLUORIDE

### **INFANTS AND TODDLERS**

- Vertical Transmission
  - DO NOT lick pacifiers or share utensils
    Wet kisses
- Wipe gums/brush teeth before bed
- No bottle with sweetened liquid at bedtime/naptime
- Regular breastfeeding
  - If breastfeeding on-demand, wipe baby's gums/brush teeth more often
- Only water in the sippy cup
- FIRST dental visit by FIRST birthday







### **FLUORIDE VARNISH APPLICATION**

- Remove biofilm/debris
- Dry teeth with gauze
- Apply Fluoride Varnish, coating all surfaces
- Inform patient/parent to avoid hard food & hot drinks
  - Follow manufacturer's recommendations



# REFERRALS TO DENTAL PROVIDERS Dental Safety Net Integrated Practices Networks Case Management Language Transportation Insurance

Medical consults





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