

Background and Significance



- Dental caries is an INFECTIOUS DISEASE
- Tooth caries are PAINFUL
- If left untreated, it may lead to gingivitis, tooth loss, facial or jaw cellulitis, or abscesses
- May affect a child's ability to chew, eat well, have good sleep, and school performance
- Fluoride helps prevent and treat dental caries by inhibiting bacterial metabolism and acid production



Methods

Setting

Pediatric primary care office in Rutherford, New Jersey

Educational Intervention Included

- Primary care providers' role on reducing dental caries
- Causes and implications of pediatric dental caries and its epidemic significance
- Proper technique of applying fluoride varnishes via AAP video
- Correct coding of the fluoride varnish treatment

Implementation

- Eligibility: well-child visits, ages 6 months and above with primary or permanent teeth, up to and including 5year-old children
- 1st retrospective chart review of 4 weeks before the educational intervention
- 2nd retrospective chart review of 4 weeks after the educational intervention

Evaluation of a Fluoride Varnish Application Program at a Pediatric Primary Care Office Pamela A. Camacho, BSN, RN

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Results: Qualitative Data

Fluoride Varnish Rates Before and After Staff Educational



Limitations

Facilitators

- Practitioner and staff enthusiasm
- The ease of applying the fluoride varnish No disruption to the flow of the day or office visits
- (Treatments were applied at the end of the visit) The ease of coding and billing
- (Fluoride Varnish application CPT code was added to the billing sheet)

Barriers

- Parents not believing in the efficacy of the fluoride varnish
- Patients already seeing a dentist
- The EMR did not have a dedicated location to document eligibility or the outcome if the fluoride varnish was applied or refused
- A lack of documentation when an infant met the age criteria but did not have any teeth
- Providers stated they "forgot" or had a busy day

- old
- has no teeth eruption

- visits

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Recommendations

Improve education for parents to understand the benefits of fluoride varnish treatments by using informational handouts or pamphlets Encourage dental hygiene education during well-child visits and assist families to find a dental home by 1 year

Improve EMR documentation to automatically identify eligible patients and to include more detailed information, such as parental refusal reasons or if a child

Clinical Implications

Increase the amount of primary care offices that provide fluoride varnish treatments during routine well-child

Expand to other pediatric primary care offices Emphasize dental hygiene and fluoride varnish education to primary care providers Encourage advocacy for mandated coverage from health insurance providers

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