

California Department of Public Health Office of Oral Health



Evidence-Based and Best Practice Approaches for Public Health Interventions

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Project Director's Meeting
Sacramento, CA
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Objectives



- Understand evidence-based practice and best practice approaches for public health
- Understand recommendations for dental public health interventions
- Find resources to implement interventions

Public Health Interventions



Public Health Interventions

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Today's focus:

Evidenced- Based Practice

Best Practices

Evidence-Based Practice Approach



- Engage community in assessment and decision-making
- Systematic review of data and information
- Driven by the best available evidence and knowledge

Conduct sound evaluation

Evidence-Based Practice Resource






[The Community Guide](#)

The Guide to Community Preventive Services (The Community Guide) is a collection of evidence-based [findings](#) of the [Community Preventive Services Task Force \(CPSTF\)](#).




www.thecommunityguide.org/




Recommended Evidence-Based Findings For Oral Health



<u>Intervention</u>	<u>CPSTF Finding</u>	
Community Water Fluoridation	Recommended (April 2013)	
School-Based Dental Sealant Delivery Programs	Recommended (April 2013)	

Other Task Force Findings



<u>Intervention</u>	<u>CPSTF Finding</u>	
Community -Based Initiatives to Promote the Use of Dental Sealants	Insufficient Evidence (April 2013)	
Community -Based Intervention to Encourage Use of Helmets, Facemasks and Mouthguards in Contact Sports	Insufficient Evidence (October 2013)	
Population-Based Interventions for Early Detection (oral cancer)	Insufficient Evidence (October 2013)	

Source: The Community Guide, www.thecommunityguide.org/

Evidence-Based Practice Summary



- Rigorous and robust research, consistency of effect across well-designed studies
- Extensive systematic reviews
- Implementation in different setting results in same successful outcomes

Best Practice Approaches

ASTDD* Best Practice Approach Reports

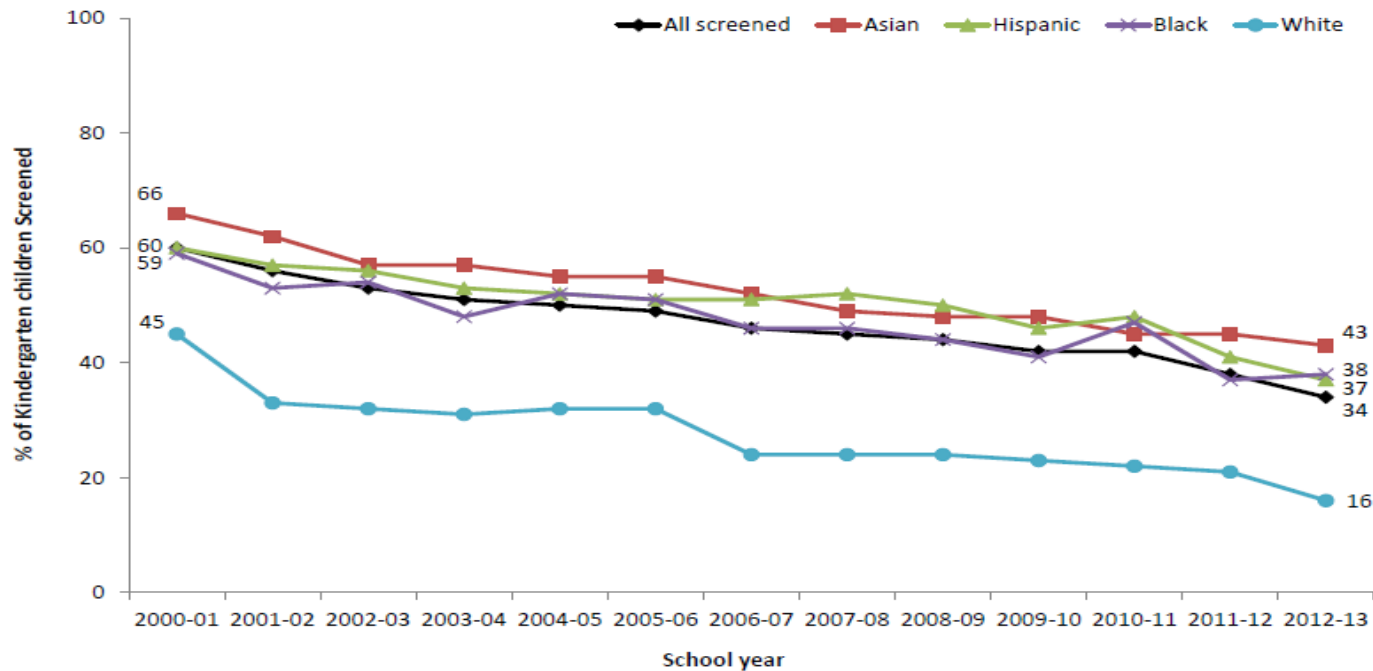
Best Practice Approach: a public health strategy that is supported by evidence for its impact and effectiveness

Examples:

- Perinatal Oral Health
- Use of Fluoride in Schools
- School-Based Screenings
- Oral Health in the Older Adult Population

*Association of State and Territorial Dental Directors

Percentage of kindergarteners in public schools in San Francisco with caries experience by race/ethnicity, 2001-2012



Case Study: School-Based Oral Health Screening in San Francisco as an Essential Public Health Service,
Jodi D. Stookey, et al. CDA Journal, Vol 45, No 8

Best Practice Summary



- Strategy supported based on field lesson, research, and expert opinion
- Strong theoretical rationale
- Outcomes may vary depending on setting in which applied

Clinical Preventive Interventions

U.S. Preventive Services Task Force

The U.S. Preventive Services Task Force is an independent, volunteer panel of national experts in disease prevention and evidence-based medicine.

ADA Center for Evidence-based Dentistry

Evidence-based Dentistry (EBD) -an approach to oral healthcare that requires the judicious integration of systematic assessments of clinically relevant scientific evidence

Clinical Preventive Intervention: Fluoride Varnish



US Preventive Services Task Force

*Recommends for children **age 5 years and younger** that primary care clinicians apply fluoride varnish to the primary teeth of all infants and children*

American Dental Association

*Recommends for children **younger than 6 years at high risk for caries** that professionally applied fluoride varnish be applied to teeth every **3-6 months***

School based fluoride varnish - more evidence needed

- “As of 2015, while the efficiency and efficacy of fluoride varnish for individuals is established, the benefits of fluoride varnish in population-based programs, such as schools, have not been established.”

From:

ASTDD, Fluoride Varnish Policy Statement, Updated October 2015

Innovative and Promising Practices

- Dental professionals in community settings
- Non-dental providers providing preventive oral health services in primary care settings
- Integrating oral health within WIC and Early Head Start centers

Robert Wood Johnson Foundation
Workforce Innovations in Oral Health



**Providing Preventive Oral Health
Care to Infants and Young
Children in Women, Infants, and
Children (WIC), Early Head Start,
and Primary Care Settings**

Interventions Already in Progress

- You may already be conducting: programs to promote tooth-brushing, school-based sealant and fluoride varnish application, school-based screenings, and oral health education
- Evaluation component is key: your program could be the next best practice example!



Tool Kits

- School-Based Dental Sealant Program

<https://www.mchoralhealth.org/Dental-Sealant/>

- Championing Oral Health in Schools

<https://www.ada.org/en/public-programs/championing-oral-health-in-schools>

- AAP Campaign for Dental Health

<https://ilikemyteeth.org/>

- ADA

<https://www.ada.org/en/public-programs/advocating-for-the-public/fluoride-and-fluoridation>

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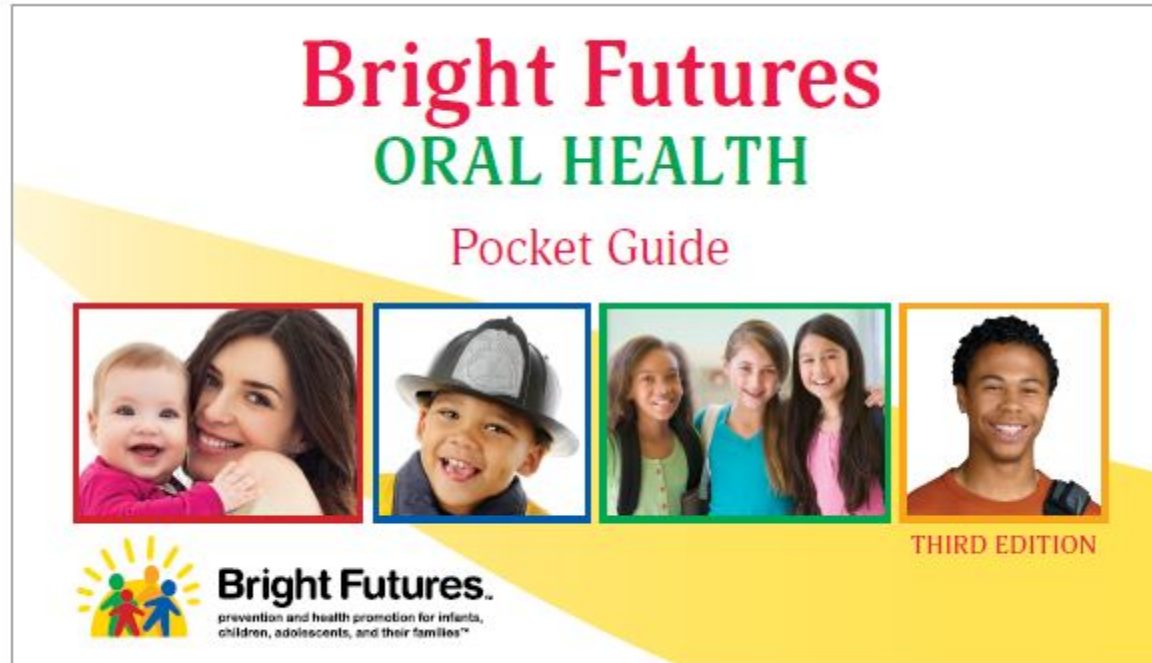
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Other Resources



<https://www.mchoralhealth.org/PDFs/BFOHPocketGuide.pdf>

Summary

Recommended public health interventions

Evidenced-Based:

- School-based Dental Sealant Delivery Program
- Community Water Fluoridation

Best Practices:

- School-Based Oral Health Screening

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