

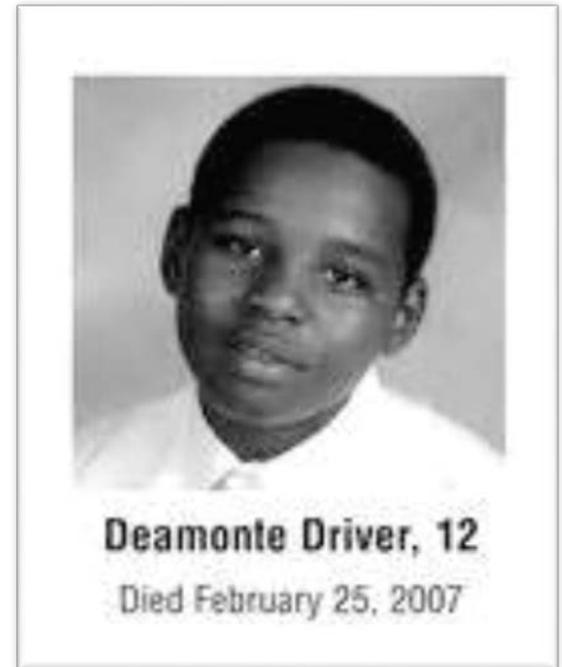
# Why are we here?

## National *Interprofessional Initiative* on Oral Health

*engaging clinicians,  
eradicating dental disease*

A **Systems** Change Initiative  
Advancing Interprofessional  
Education and Integrated Oral  
Health Care

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University of Colorado SOM  
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*Initiative activities are made possible as a result of funding from the DentaQuest Foundation  
and the Arcora Foundation*

# How Did We Get Here?

## 111 Million

People visit a medical provider but  
not a dental provider

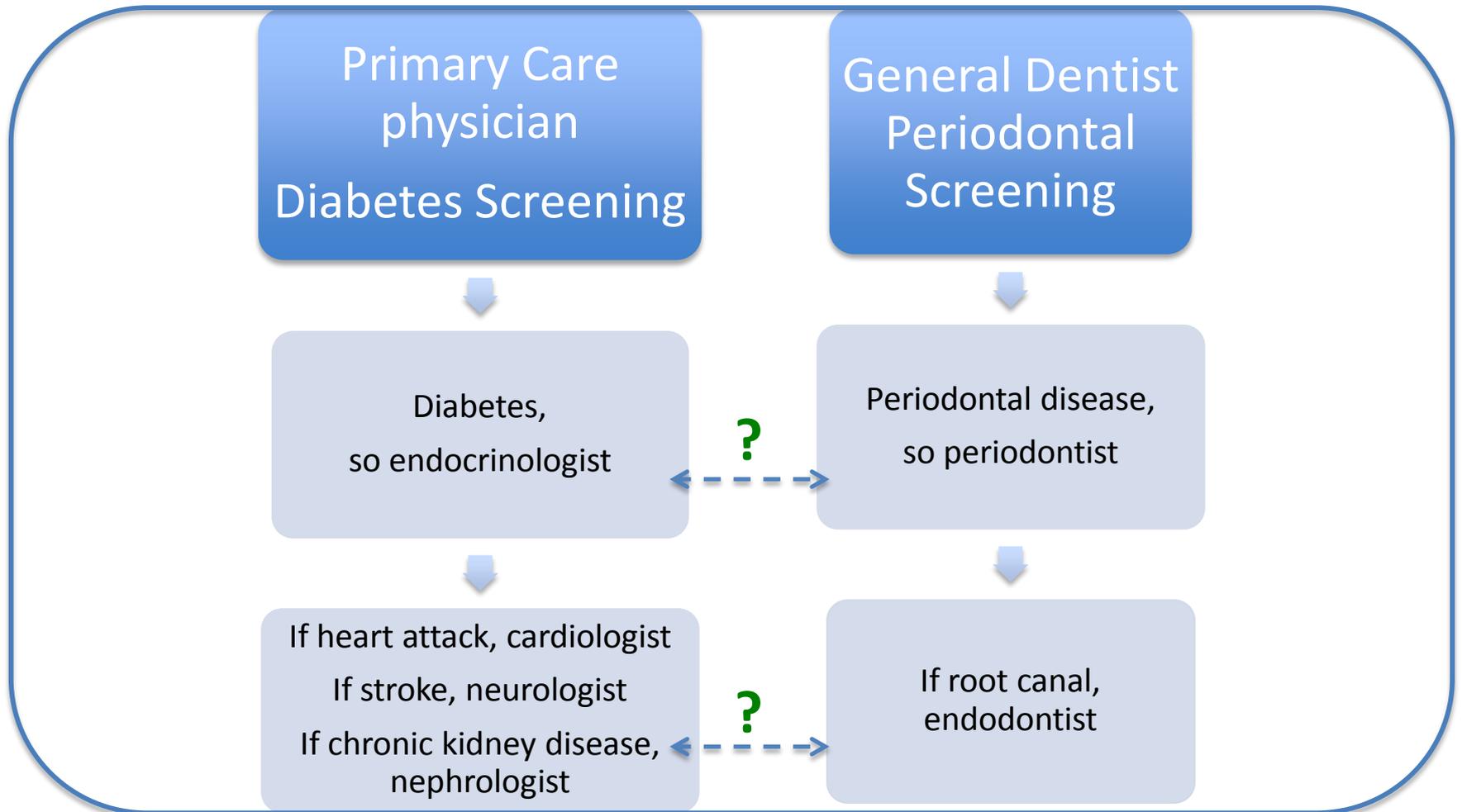


## 27 Million

Visit a dental provider but  
not a medical provider

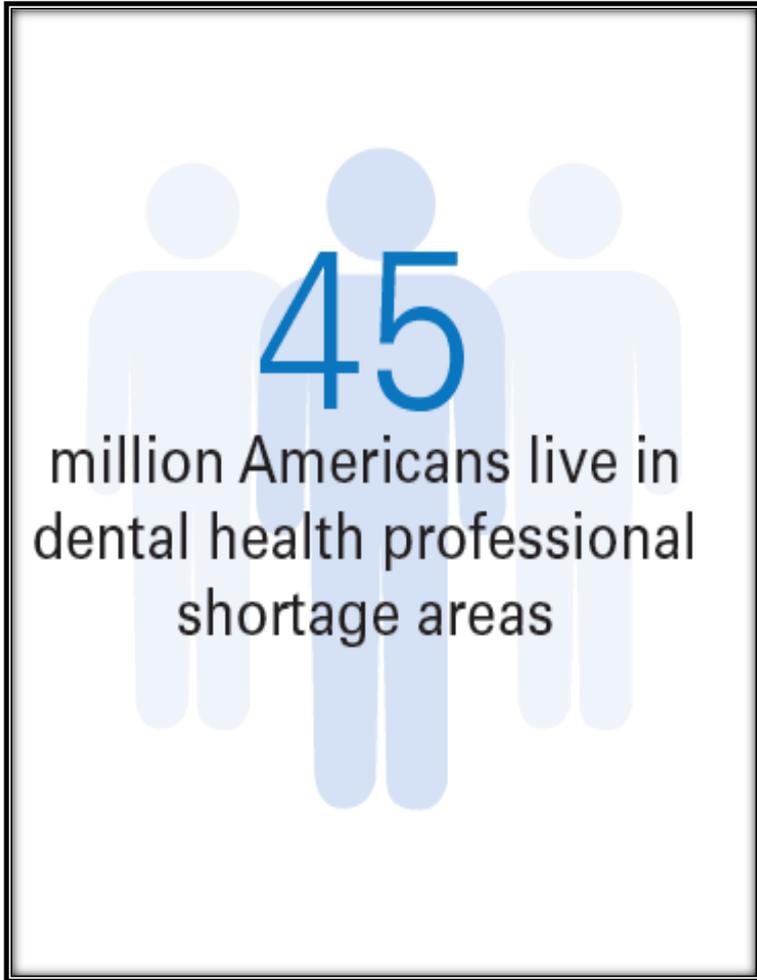


# Flow of Information in Patient Care for Providers



Communication is tenuous, usually carried out by patient, if at all

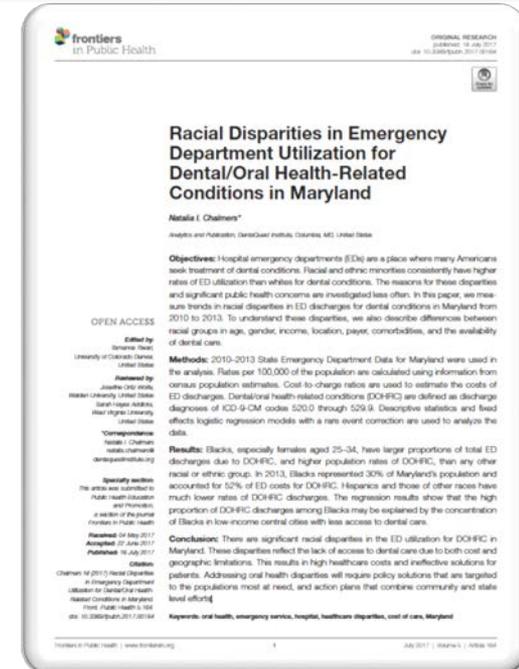
# Health Professional Shortage Areas



*Courtesy of Qualis Health*

# ERs: A Costly Dental Destination

- Preventable dental conditions were the primary diagnosis in **830,590** visits to hospital ERs nationwide in 2009
- Children accounted for nearly **50,000** of these ER visits
- Many ER visits are made by Medicaid enrollees or the uninsured



# Who, What and Why – NIIOH 2009

- Consortium:** *Funders, health professionals +national organizations*
- Vision:** *Eradicate dental disease*
- Mission:** *Engage primary care team*
- Focus:** *Integrate oral health into primary care education + practice*

## **The Short Answer**

*NIIOH is a systems change initiative that provides “Backbone Support” and facilitates interprofessional agreement and alignment to ready an interprofessional oral health workforce for whole person care*

# The Opportunity for Change

FIELD

Oral Health in America:  
A Report of the  
Surgeon General

Advancing  
Oral Health  
in America

A National Call to Action  
to Promote Oral Health

A Public-Private Partnership  
Under the Leadership of  
The Office of the Surgeon General

Improving Access to  
Oral Health Care for  
Vulnerable and  
Underserved Populations

Core Competencies for  
Interprofessional Collaborative Practice

Integration of Oral Health and  
Primary Care Practice

Oral Health:  
An Essential Component  
of Primary Care

Oral Health Strategic Framework  
2014-2017

Interprofessional Competencies  
The "What" and  
"How"

CHANGE



National *Interprofessional Initiative*  
on Oral Health  
engaging clinicians  
eradicating dental disease

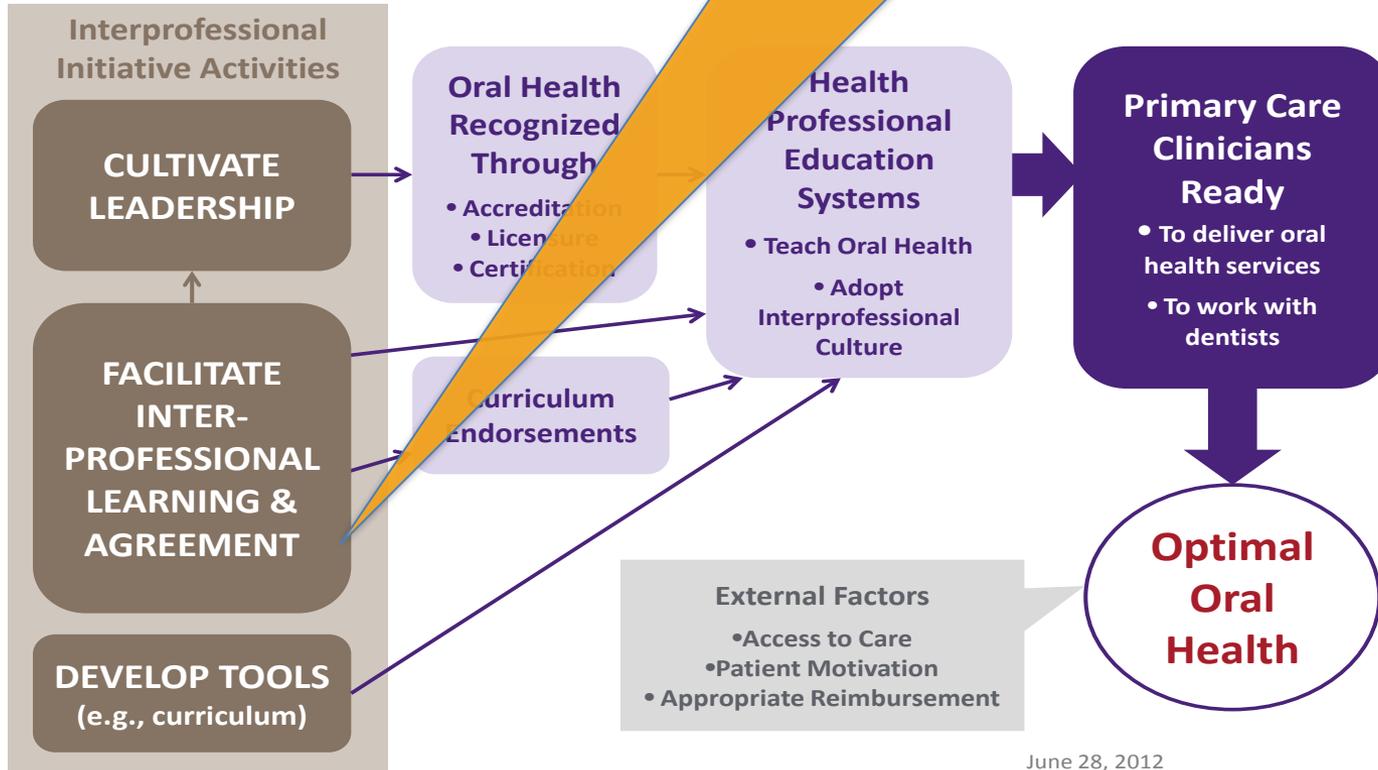
MOVEMENT

## Collective Impact

# Theory

# Collective Impact

## National Interprofessional Initiative on Oral Health Theory of Change



# Smiles For Life

**Smiles for Life**  
A national oral health curriculum

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Welcome

**Smiles for Life: A National Oral Health Curriculum** 3rd edition

Smiles For Life produces educational resources to ensure the integration of oral health and primary care



**LEARN ONLINE**



**TEACH CURRICULUM**

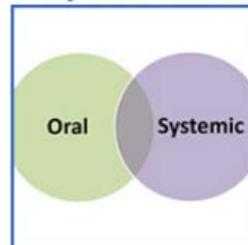
Answering the Call: Joining the Fight for Oral Health

Watch this informative and inspiring video which outlines both the challenge and progress in improving oral health as a vital component of effective primary care. Click the full screen icon in the bottom right hand corner of the video thumbnail to view it full-sized. This video is approximately seven minutes in length.

An extended version (21 minutes) of this documentary is also available.



## Relationship of Oral & Systemic Health



**COURSE 1**

## Child Oral Health



**COURSE 2**

## Adult Oral Health



**COURSE 3**

## Acute Dental Problems



**COURSE 4**

## Pregnancy & Woman's Oral Health



**COURSE 5**

## Caries Risk Assessment Fluoride Varnish & Counseling



**COURSE 6**

## The Oral Exam



**COURSE 7**

## Geriatric Oral Health



**COURSE 8**

# Resources

Smiles for Life  
A national oral health curriculum



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Print Media Videos Tools Publications Guidelines Links IPE Toolkit Interactive Games Android/iOS Apps Teaching/Curriculum Tools

## Resources



Print Media



Videos



Tools



Guidelines



Publications



Links



IPE Toolkit



Interactive Games



Android/iOS Apps



Teaching Tools

# Resources

## Smiles for Life

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Posters Handouts

### Patient Education Handouts

Click on the images below to download patient education handouts to display in waiting or examination rooms or to give to patients directly.

<b>Denal Care Basics for Children Birth to Six Years (English)</b>  TIPS FOR A HEALTHY SMILE What causes tooth decay? PDF	<b>Dental Care Basics for Children Birth to Six Years (Russian)</b>  Что делать, чтобы улыбка была здоровой? От чего портятся зубы? PDF	<b>Dental Care Basics for Children Birth to Six Years (Vietnamese)</b>  Mẹo Giúp Có Nụ Cười Khỏe Mạnh PDF	<b>Dental Care Basics for Children Birth to Six Years (Spanish)</b>  CONSEJOS PARA UNA SONRISA SALUDABLE PDF
<b>Dental Care Basics for Children Birth to Six Years (Cambodian)</b>  ការព្រឹក្សាស្រស់ស្រាយ PDF	<b>Oral Health And Diabetes (English)</b>  Oral Health and Diabetes PDF	<b>Oral Health And Diabetes (Spanish)</b>  La salud bucal y la diabetes PDF	<b>Oral Health and HPV (English)</b>  Oral Health and HPV PDF
<b>Oral Health And HPV (Spanish)</b>  La salud bucal y el virus del papiloma humano PDF	<b>Oral Health And Older Adults (English)</b>  Oral Health and Older Adults PDF	<b>Oral Health and Older Adults (Spanish)</b>  La salud bucal y los adultos de edad avanzada PDF	<b>Oral Health And You (English)</b>  Oral Health and You PDF

# Facilitate Interprofessional Agreement

20

Endorsing organizations representing

Medicine

PA's

Nursing

Dentistry

Dental Hygiene

Pharmacy

Community Health Centers

And More!

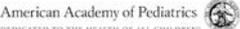
**Smiles for Life**  
A national oral health curriculum

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History Our Team Endorsers Supporters Citation FAQs Utilization Privacy Policy SFL Research Awards

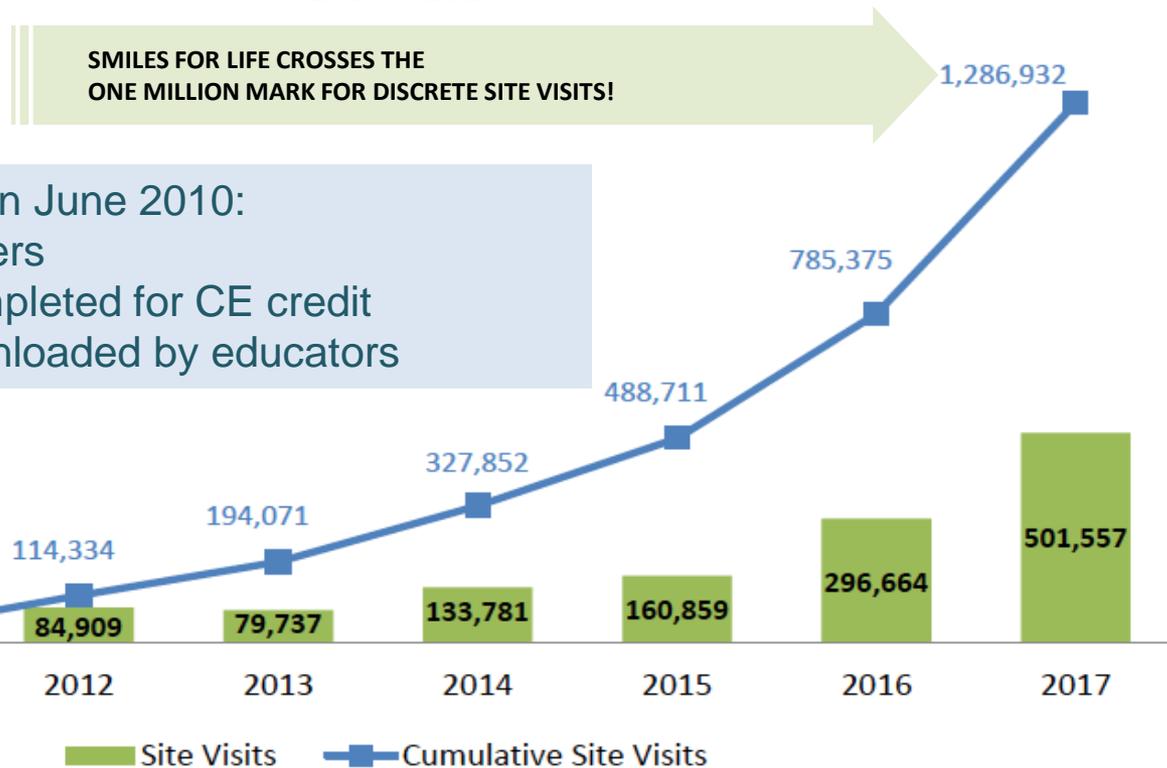
**Endorsed By**

Each course in the Smiles for Life suite is endorsed by the following healthcare organizations who support the role of primary care clinicians in promoting good oral health:

 <b>AMERICAN ACADEMY OF FAMILY PHYSICIANS</b> <small>STRONG MEDICINE FOR AMERICA</small> American Academy of Family Physicians	 <b>NATIONAL ASSOCIATION OF</b> Community Health Centers National Association of Community Health Centers	 <b>STFM</b> <small>SOCIETY OF TEACHERS OF FAMILY MEDICINE</small> Society of Teachers of Family Medicine	 <b>AFPNP</b> <small>ASSOCIATION OF FACULTIES OF PEDIATRIC NURSE PRACTITIONERS</small> Association of Faculties of Pediatric Nurse Practitioners
 <b>AAPA</b> American Academy of Physician Assistants	 <b>adha</b> American Dental Hygienists' Association American Dental Hygienists' Association	 <b>PAEA</b> <small>PHYSICIAN ASSISTANT EDUCATION ASSOCIATION</small> Physician Assistant Education Association	 <i>American Association of Public Health Dentistry</i> American Association of Public Health Dentistry
 <b>astdd</b> <small>Where oral health lives</small> The Association of State and Territorial Dental Directors	 <b>AMERICAN COLLEGE OF NURSE-MIDWIVES</b> <small>With women, for a lifetime®</small> American College of Nurse-Midwives	 <b>ADA American Dental Association®</b> <small>America's leading advocate for oral health</small> American Dental Association	 <b>Pediatric Nurse Practitioners</b> <small>NATIONAL ASSOCIATION OF</small> National Association of Pediatric Nurse Practitioners
 <b>NONPF</b> <small>THE NATIONAL ORGANIZATION OF NURSE PRACTITIONER FACULTIES</small> The National Organization of Nurse Practitioner Faculties	 <b>NASN</b> <small>National Association of School Nurses</small> National Association of School Nurses	 <small>AMERICA'S PEDIATRIC DENTISTS THE BIG AUTHORITY ON little teeth</small> American Academy of Pediatric Dentistry	 <b>aacom®</b> <small>AMERICAN ASSOCIATION OF COLLEGES OF OSTEOPATHIC MEDICINE</small> American Association of Colleges of Osteopathic Medicine
 <b>Academy of General Dentistry™</b> Academy of General Dentistry	 <b>American Academy of Pediatrics</b> <small>DEDICATED TO THE HEALTH OF ALL CHILDREN™</small> American Academy of Pediatrics	 <b>GAPNA</b> <small>Gerontological Advanced Practice Nurses Association</small> Gerontological Advanced Practice Nurses Association	 <b>Association of Colleges of Pharmacy AACP</b> <small>Discover • Learn • Care • Improve Health</small> American Association of Colleges of Pharmacy

# A Growing Population of Users

Exhibit 1. Discrete Site Visits<sup>2</sup>  
2010 – 2017



Since the site launched in June 2010:

- **79,176** registered users
- **228,496** courses completed for CE credit
- **43,516** modules downloaded by educators

# Smiles for Life Survey

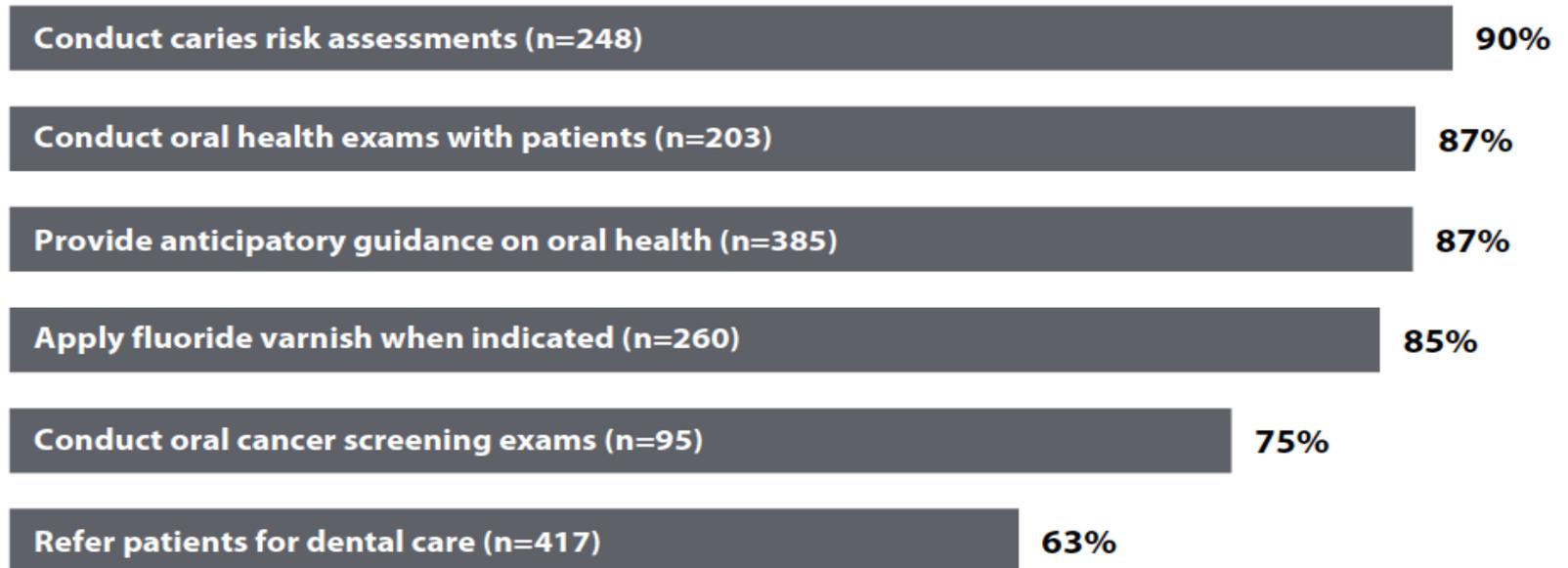
## Key Question:

- How does Smiles for Life influence practice?



# How Does SFL Influence Practice?

**Exhibit 5. Proportion of Providers Reporting Influence of Smiles for Life on Practice, by Oral Health Activity\***



\* Influence on practice means that providers reported that Smiles for Life influenced their practice of oral health activities in one or more of the following three ways: (1) led them to start performing oral health activities; (2) allowed them to perform oral health activities more regularly, and (3) helped them perform oral health activities better. The n's on this chart indicate the number of providers who reported performing each



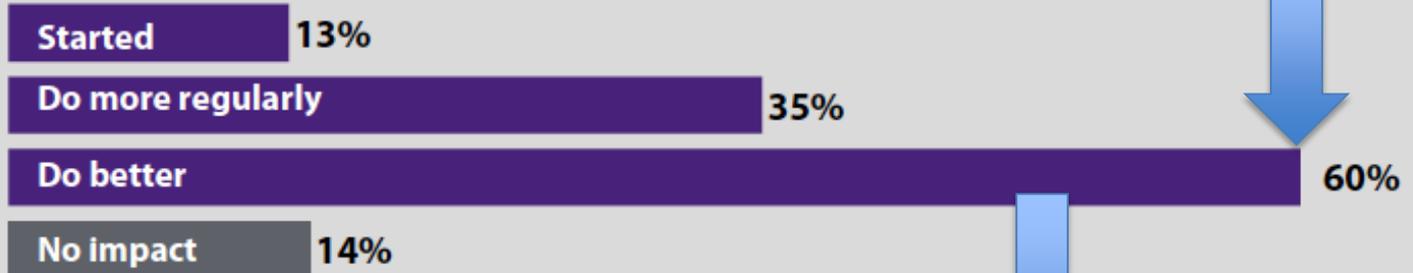
# Influence on 6 Key Activities



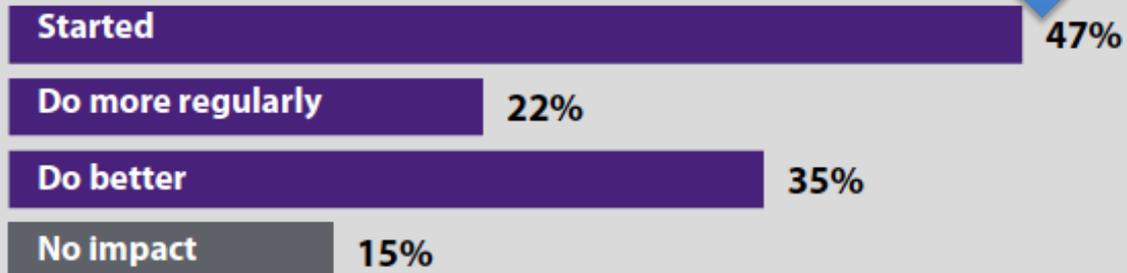
## Refer patients for dental care (n=417)



## Provide anticipatory guidance on oral health (n=385)



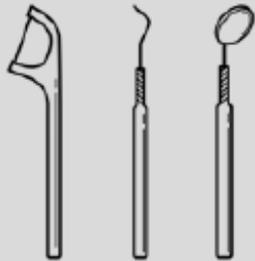
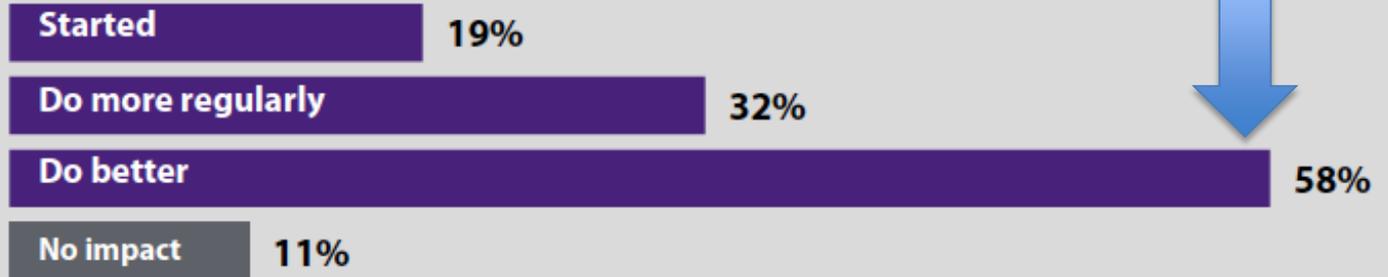
## Apply fluoride varnish when indicated (n=260)



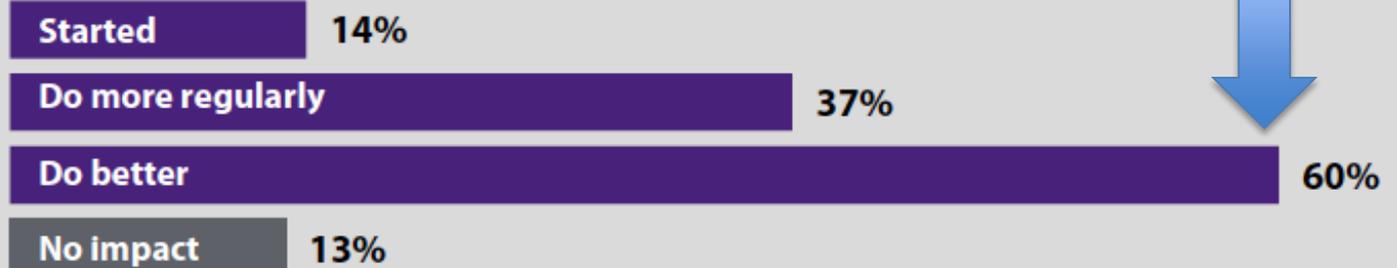
# Influence on 6 Key Activities



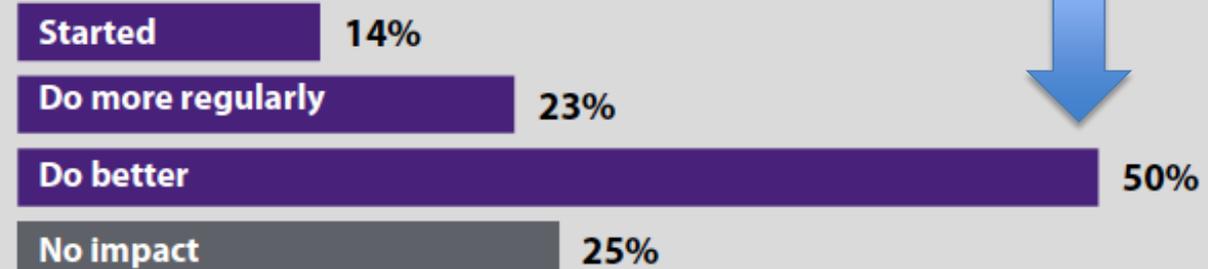
## Conduct caries risk assessments (n=248)

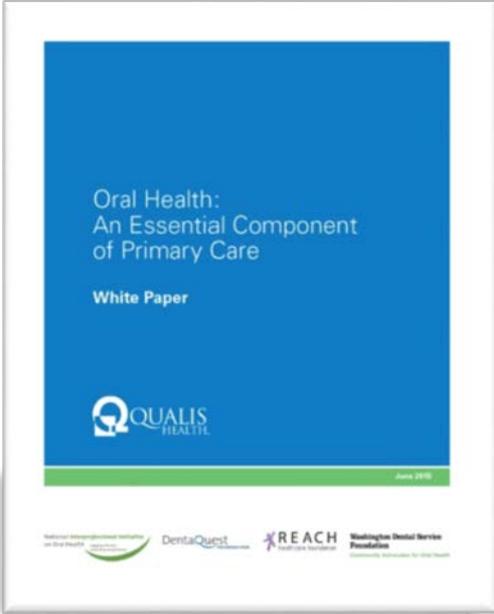


## Conduct annual oral exams with patients (n=203)



## Conduct oral cancer screening exams (n=95)



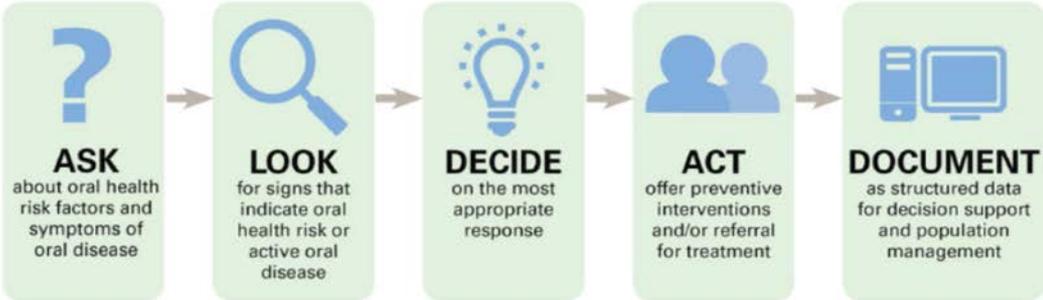


Published  
June 2015

# Oral Health: An Essential Component of Primary Care

## Oral Health Delivery Framework

5 actions primary care teams can take to protect and promote their patients' oral health. Within the scope of practice for primary care; possible to implement in diverse practice settings.



Preventive interventions: Fluoride therapy; dietary counseling to protect teeth and gums; oral hygiene training; therapy for substance use; medication changes to address dry mouth; chlorhexidine rinse.

Citation: Hummel J, Phillips KE, Holt B, Hayes C. *Oral Health: An Essential Component of Primary Care*. Seattle, WA: Qualis Health; June 2015

National Interprofessional Initiative on Oral Health

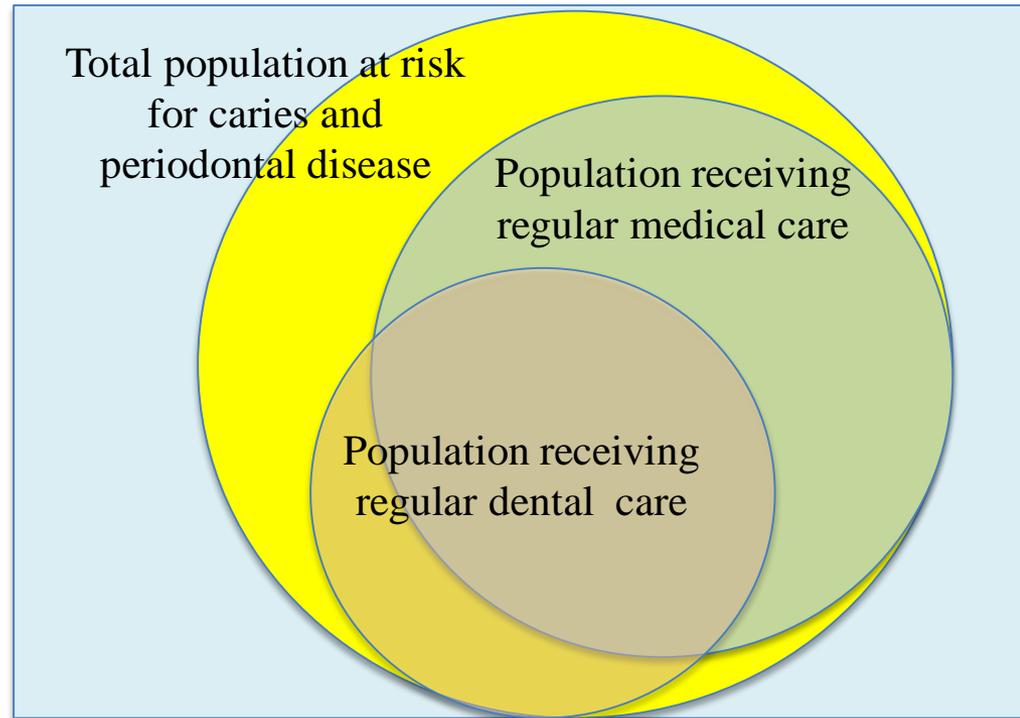


# Field-Testing a Conceptual Framework



19 diverse healthcare delivery organizations: Private practices, Federally Qualified Health Centers; medical only and on-site dental  
Adults with diabetes (12), pediatrics (5), pregnancy (1), adult well visits (1)  
eCW (5), EPIC (8), NextGen (2), Centricity (2), Success EHS (2)

Using population health to address “missed opportunities”



# Field-Testing Results Informed the Creation of the Implementation Guide and Tools

## “Oral Health Integration Implementation Guide”

Toolkit for primary care teams (Released 10/10/16)

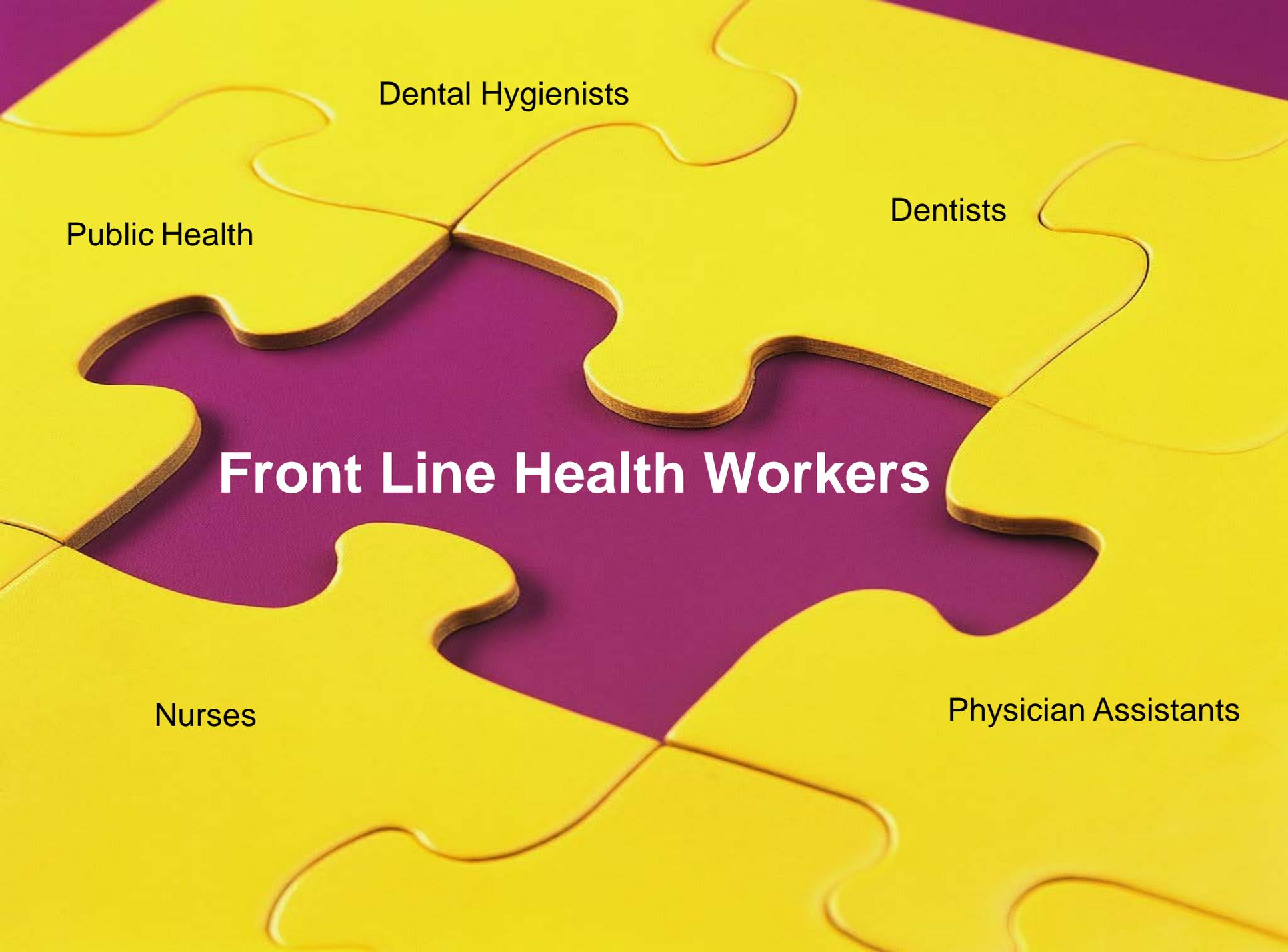
### What’s in the Guide?

- Workflow maps
- Referral agreements
- Patient engagement strategies
- Patient/family education resources
- EHR templates
- Case examples
- Impact data and more



Resources available at:

<http://www.safetynetmedicalhome.org/change-concepts/organized-evidence-based-care/oral-health>



Dental Hygienists

Public Health

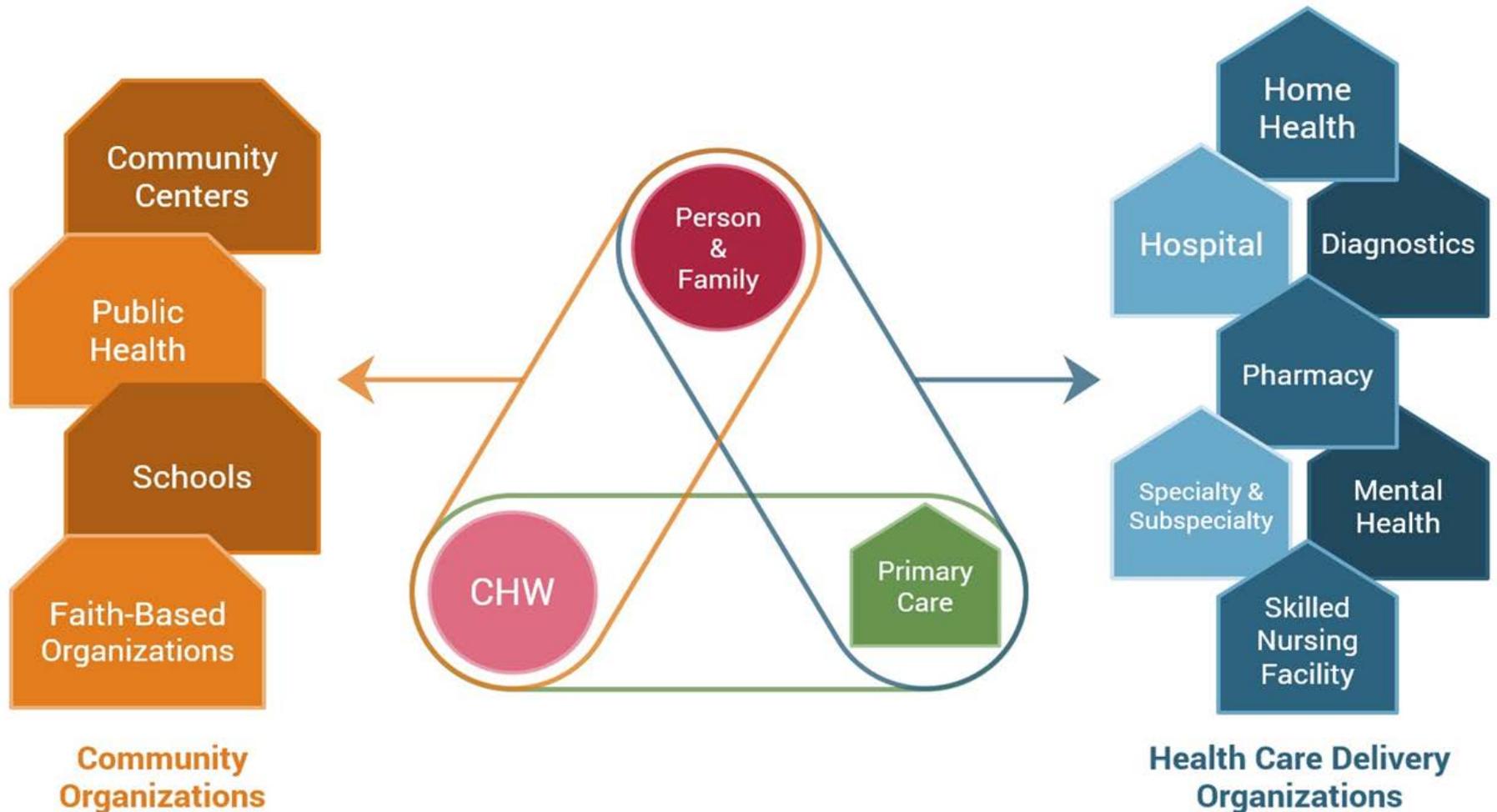
Dentists

**Front Line Health Workers**

Nurses

Physician Assistants

# CHW Linkages in the Medical Neighborhood



Peer Support in the Patient Centered Medical Home and Primary Care:  
Conference Report 2015

Patient Centered Primary Care Collaborative

# SFL Modules for a Growing FLHW Workforce

Promotores  
Peer Health Workers  
Patient Navigators  
Community Health Workers  
Health Advisors



Case Workers  
Health Educators  
Public Health Workers  
Community Health Representatives  
Health Advocates

Teachers

Care Coordinators

Portions of this project were created in collaboration with Southwestern Connecticut AHEC, with funding support from the Connecticut Department of Public Health (CT DPH)

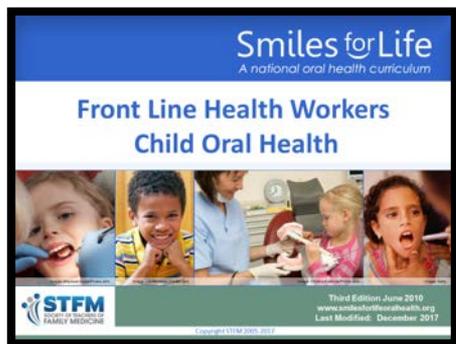
# Modules & Objectives

## Module 1. Introduction – Engaging Front Line Health Workers in Oral Health



- Describe the relationship between oral health & overall health
- Describe the prevalence and impact of oral disease
- Recognize barriers to maintaining oral health
- Identify ways to integrate oral health into FLHW practice
- Promote FLHW ownership and commitment to oral health

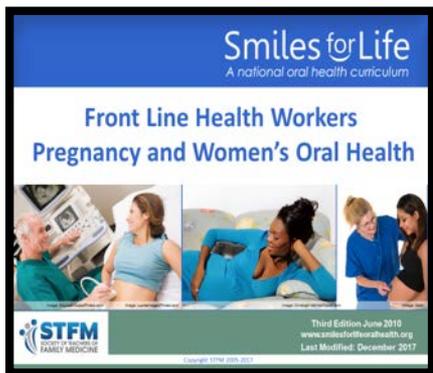
## Module 2. Child Oral Health Module



- Discuss the relationship between oral health & overall health
- Describe the prevalence, causes and consequences of childhood tooth decay
- Understand prevention strategies and education tools to promote child oral health
- Identify the role of FLHWs in promoting child oral health

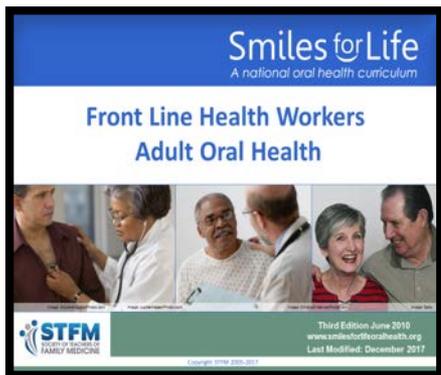
# Modules & Objectives

## Module 3. Pregnancy and Women's Oral Health Module



- Review causes and risk factors of oral disease and tooth decay
- Understand how oral disease may affect pregnancy outcomes
- Understand how tooth decay can be transmitted from mother to child
- Recognize that dental care can be safe during pregnancy
- Highlight the role of FLHWs in promoting oral health in pregnant women

## Module 4. Adult Oral Health Module



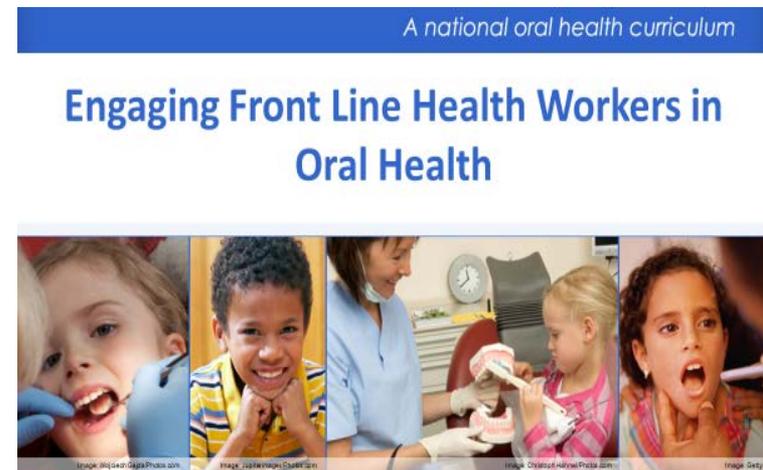
- Discuss the prevalence, causes and consequences of adult tooth decay and gum disease
- Describe how socioeconomic issues affect adult and senior oral health
- Understand the oral effects of common medications, alcohol and tobacco
- Consider how chronic medical conditions influence oral health

# Mouth/Body Connection and Geriatric Oral Health

- Diabetes
- Respiratory Disease/Aspiration Pneumonia
- Osteoporosis
- Cardiovascular Disease and Stroke
- Chronic Oral/Systemic Conditions
- Nutrition
- Quality of Life/Psychosocial Health
- Anxiety/Depression and Other Disorders
- Cognitive Impairment

# Facilitator Guide & Curriculum Resources

- Table illustrating curriculum content by module
- Annotated list of Interactive Activities by Module
- Supplemental Facilitator Guidelines for Interactive Activities
- Oral Health Resources
- Instructions for Getting Started and Preparing For Your Training Session
- Sample Agenda
- Sample Evaluation Form



# Evaluation Comments from Participants

Share this information with my clients and their physicians

Use the SFL app for education with my clients

Educate pregnant women on the importance of oral health

Do more outreach in my community to inform clients about what I learned

Will be more informative with clients, ask them about dental care and stress its importance

Visit the SFL website for more information prior to visits to get more information for each individual client

Share information with clients I am already talking to about their heart disease and diabetes

Encourage clients to pass on this new information to family members

Ask our dental clinic how we can improve access for our clients

Educate my community about oral health; I didn't know it was so important!

# What we have learned

- Organizational change process requires **system-wide intervention**
- Having the **right people, right place, right reason** can change ideas and practice
- A key is having the **right tools and strategies** to impact knowledge, skills and attitudes of providers
- We cannot achieve our vision of **“oral health for all”** unless we change our approach to oral health care
- **Integration and collaboration is key**, we can't do this alone!

