Welcome to the Lunch and Learn
The program will begin shortly

Housekeeping Tips

To achieve the best participant experience, please note the following:

- Join with computer or internet if you have a poor phone signal
- Expand Zoom window to "full screen mode"
- Adjust presentation to "fit to window"
- This session will be recorded and posted on the COHTAC’s website
- For technical difficulties, type your question in the chat box
- Ask your questions for the speakers in the Q&A box at the bottom of your screen

Today’s Program

Improving Oral Health Using an Early Childhood Oral Health Assessment (ECOHA) System

Presented by
Paul Glassman, DDS, MA, MBA
Professor and Associate Dean for Research and Community Engagement
California Northstate University

Paul.Glassman@cnsu.edu

Early Childhood Oral Health Assessment: The Problem

<table>
<thead>
<tr>
<th>Objective</th>
<th>Healthy People 2020 Target</th>
<th>U.S. Baseline</th>
<th>California Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral caries experience</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young children, age 3-5 (primary teeth)</td>
<td>30</td>
<td>33.3%</td>
<td>53.3%</td>
</tr>
<tr>
<td>Children, age 6-9 (primary and permanent teeth)</td>
<td>49</td>
<td>54.5%</td>
<td>70.9%</td>
</tr>
<tr>
<td>Adolescents, age 13-15 (permanent teeth)</td>
<td>48.3</td>
<td>53.7%</td>
<td>66.3%</td>
</tr>
<tr>
<td>Oral caries experience</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young children, age 3-5 (primary teeth)</td>
<td>21.4</td>
<td>23.8%</td>
<td>27.8%</td>
</tr>
<tr>
<td>Children, age 6-9 (primary and permanent teeth)</td>
<td>29.9</td>
<td>28.5%</td>
<td>28.7%</td>
</tr>
<tr>
<td>Adolescents, age 13-15 (permanent teeth)</td>
<td>33</td>
<td>30.5%</td>
<td>30.5%</td>
</tr>
</tbody>
</table>
California Northstate University College of Dental Medicine

Early Childhood Oral Health Assessment: The Problem

Figure 1. Dental Caries Experience in Children: California vs. Healthy People 2020 Baseline and Targets.

- Healthy People 2020 Target: 18%
- Healthy People 2025 Target: 9%

California (mean ages 3-5 yrs) vs. U.S. Baseline (2004-2006)

Early Childhood Oral Health Assessment: The Problem

Figure 6. Oral Health of Kindergarten and Third Grade Children in California by Race and Ethnicity, 2004-2005.

- White: 19.1%
- African American: 16.4%
- Asian: 13.8%
- Other: 2.4%

Early Childhood Oral Health Assessment: The Problem

Figure 9. Oral Health of Kindergarten and Third Grade Children in California by Eligibility for the Free/Reduced Price Lunch Program, 2004-2005.

- Eligible: 72.4%
- Not Eligible: 27.6%

Source: California State Survey, 2006

Early Childhood Oral Health Assessment: The Problem

Figure 11. Prevalence of Receipt of Dental Visit during Pregnancy in California by Prenatal Insurance, 2012.

- Medicaid: 82.4%
- Private Prenatal Insurance: 78.9%
- Uninsured: 64.8%

Why?
Conclusions

- Dental care is too difficult to access for many families of young children
- The problem IS NOT that they don’t know about dentists
- Case management/care navigation resources are not readily available and can be overwhelmed by the need

Strategy

- Use workforce already in contact with families of young children
  - Community Health Workers
  - Home Visitors
- Train and support them to:
  - Perform 1st level triage
  - Provide information
  - Support adoption of mouth health habits

Benefit

- Identification of risks for dental disease
- Support behavior change
  - Trusted member of the community
  - More regular contact
- 1st level triage
  - Focus case management resources on those who need them most

Oral Health Risk Assessment: 2010

- California Department of Developmental Services Early Start Program


- Early Childhood Care (ECC)
  - Severe ECC
  - Pain
- What is ECC?
California Northstate University College of Dental Medicine

Oral Health Brochure

Oral Health
Visual Screening Examination

• Flashlight examination
• Infection control
  – Gloves
  – Optional mask and eye protection
• Knee to knee position

Oral Health
Visual Screening Examination

Oral Health
Risk Assessment

Oral Health
Risk Assessment

Recommendations & Interventions

Brochure Highlights and Given

Counseling Provided

Thrush

Nutritional Support

Dental Coordinator

Baby bottle

Medications
Oral Health Risk Assessment

**findings**
- 50% of families were found to be at low or moderate risk
- 25% of families needed further educational or assessment services from a dental professional
- 25% of families needed a visit with a dentist

Dental Transformation Initiative

Domain 4: Local Dental Pilot Programs (LDPPs)

First 5 Riverside/San Bernardino DTI LDPP

First 5 Riverside/San Bernardino DTI LDPP

ECOHA for Home Visitors
First 5 Riverside/San Bernardino DTI LDPP

• Objective
  – Take the paper-based system and upgrade to a technology-based system
  – Engage community health workers
  – Connect to Virtual Dental Home and other community-based care systems in the community
Overview of ECHOA

- Health clinics during well-child visits and in waiting rooms
- WIC clinics
- Head Start and other early learning sites
- Elementary schools
- Libraries
- Food distribution sites
- Community events such as health fairs and farmers markets
- Churches

Risk-Based Disease Prevention and Management of Early Childhood Caries (ECC)

A partnership between families and health care providers

Preventing Cavities is a Partnership between YOU and US

How much sugar is your child drinking?
**Bottles and Sippy Cups:**
It’s what’s inside that counts

Healthy Balanced Diet → Healthy Bodies

**Fluoride Cavity Protection**
Available from many sources

**Overview of ECHOA**

**The Numbers:**
January 2019 – September 2020
- Total Assessments Completed: 9,984
- Assessments in Spanish: 35%; Assessments in English: 65%

<table>
<thead>
<tr>
<th>Risk Level</th>
<th>Percent of Assessments by Risk Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>12%</td>
</tr>
<tr>
<td>Medium</td>
<td>42%</td>
</tr>
<tr>
<td>Low</td>
<td>46%</td>
</tr>
</tbody>
</table>

**Overview of ECHOA**

**Time for Brushing Teeth?**
- Lift the lips
- Show that tooth brushing can be fun!
- Brush teeth for 2 minutes
- Encourage to brush along the gums
- Consistency on brushing helps prevent cavities
- Brushing dental plaque takes place in the bathroom
- Help with tooth brushing?
Overview of ECHOA

Connection to Virtual Dental Homes

The Virtual Dental Home

Space and Equipment
Silver Diamine Fluoride (SDF)

- Reach people, emphasize prevention, and lower costs
- Majority of people kept and verified healthy on-site
  - About 2/3 of children had all needed services completed by dental hygienist
- Now estimate 80-85% of children can be kept healthy in the community

Community Engaged Oral Health Systems

Telehealth-Connected Teams and Virtual Dental Homes

Key Outcomes:

- Reach people, emphasize prevention, and lower costs
- Majority of people kept and verified healthy on-site
  - About 2/3 of children had all needed services completed by dental hygienist
- Now estimate 80-85% of children can be kept healthy in the community
Early Childhood Oral Health Assessment: Next Steps

- Partner with technology company that can maintain application and data
- Develop updated training and support system
- Make the system available statewide

Apricot 360 Technology to Make an Impact

Engagement and Referrals
- Case Management
- Grants Management
- Contract Management

- Quick deployment – 3 weeks for initial build – faster for future deployments
- Supports prevention efforts for hard-to-reach, high risk kids by leveraging the existing Home Visitor network
- Ability to share ECHOA tool across any new or existing instances of Apricot
- Real-time dashboards and reporting

Customer Story

"Apricot is the connective tissue between all our initiatives. We’re lucky to have met with Social Solutions – it’s made our lives a lot easier."

Piera Causley
First 5 of Riverside Regional Manager – Family Resource Centers & Resilient Families, Riverside County Children & Families Commission

Timeline

- Spring 2021
  - Convert from DTI application to Apricot 360
  - Develop associated educational resources
  - Develop on-demand and live supplemental training
  - Test all of the above
- Summer 2021
  - Pilot program
  - Refine materials and systems
Timeline

- Fall 2021
  - Make ECOHA available statewide

Thank you for attending today’s Lunch and Learn!