Statewide Expansion of Preventive Oral Health Services to Oregon’s Pediatric Providers

Current Status of Children’s Oral Health in Oregon

- Based on the 2007 Oregon Smile Survey, children in grades 1-3:
  - 64% of children have already had at least one cavity.
  - 1 in 5 children have rampant decay – decay in seven or more of their teeth.
  - 35% have untreated decay and are in need of dental treatment.

- When compared to the 2002 Oregon Smile Survey, in 2007 there was a 38% increase in the number of children with decay in their permanent teeth.

- Only 22.6% of Oregon communities have fluoridated water.
“First Tooth” Project Overview

• Ongoing collaboration with the Oregon Oral Health Coalition’s (OrOHC) Early Childhood Cavities Prevention Committee.

• 3-year workforce development project funded by the Health Resources and Services Administration (HRSA) until August 31, 2012.

• Purpose was to reduce childhood tooth decay in Oregon by increasing the number of medical and dental providers delivering evidence-based preventive oral health services to infants and toddlers under age 3.

“First Tooth” Project Goals

• Expand the oral health workforce in Oregon by utilizing medical care providers to deliver early childhood caries prevention services to at-risk children ages birth to three years.

• Develop and launch an online training and resource center.

• Facilitate collaborative referral relationships between dentists and primary medical care providers so that Oregon children have a dental home.
The Role of the Pediatric Provider

- Assess
- Screen
- Educate
- Intervene
- Refer

Project Components

- In-office 1 – 1.5 hours CME/CE training for medical and dental providers
- Oral health education tools
- Anticipatory guidance resources
- Comprehensive resource and training website
- Online training for medical and dental providers
- Continued technical assistance
“First Tooth” Website

www.healthoregon.org/firsttooth

• Online Trainings:
  • Launched on September 28, 2012.
  • Interactive:
    – Downloadable resources
    – Links to websites
    – Expanded definitions
  • Evaluation questions are asked throughout the training.

Anticipated Outcomes

• **Expand the oral health workforce** serving young children by utilizing pediatric medical providers to provide early childhood caries prevention services.

• Assist dental and medical providers to implement **culturally appropriate** early childhood caries prevention services.

• Facilitate **collaboration** between medical and dental providers.

• Increase utilization of dental services by young children in Oregon and establish a “**Dental Home**” by age one.

• **Reduce early childhood caries** in Oregon.
In-Person Training Statistics

• 102 in-person trainings:
  – 64 medical
  – 24 dental
  – 14 combined medical/dental
• 149 different sites have been trained.
• 1,424 participants have been trained:
  – 991 medical personnel
  – 433 dental personnel
Training Feedback

Medical and Dental Personnel Training Feedback

<table>
<thead>
<tr>
<th>Outcome Measure</th>
<th>Data Point</th>
<th>2010 Data</th>
<th>2011 Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride varnish applications by a medical provider</td>
<td>% of children ages 0-3 on Medicaid who receive fluoride varnish application(s) from a medical provider</td>
<td>1.5%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Preventive oral health services by a dental provider</td>
<td>% of children ages 0-3 on Medicaid who receive preventive dental services from a dental provider</td>
<td>17.2%</td>
<td>19.2%</td>
</tr>
<tr>
<td>Children with a dental home</td>
<td># of children ages 0-3 on Medicaid with a dental home.</td>
<td>16.1%</td>
<td>18.0%</td>
</tr>
</tbody>
</table>

* Preliminary Data
Future of “First Tooth”

• “First Tooth” was transferred to the Oregon Oral Health Coalition (OrOHC) on September 1, 2012.

• Grants submitted to the DentaQuest Foundation, Ford Family Foundation, and Oregon Community Foundation (OCF) to support “First Tooth” activities.

• Continue to conduct outcome evaluation data collection and analysis.

• Disseminate and present evaluation report and results.

Future of “First Tooth” & CCOs

• Local community implementation and ownership.

• “First Tooth” as a train-the-trainer program.

• Package “First Tooth” to appeal to Coordinated Care Organizations (CCOs), Dental Care Organizations (DCOs), and local champions:
  • Ready-to-go
  • Resources available to support implementation
  • Defined health indicators and measures to track health outcomes