Nursing Contact Hours, CME and CHES credits are available. Please visit www.phlive.org to fill out your evaluation and complete the post-test.

Dental Health in New York State Children: A Way to Keep Kids Smiling

October 16, 2014

Jayanth Kumar, DDS, MPH
- Director, Bureau of Dental Health, New York State Department of Health
- Associate Professor, School of Public Health, University at Albany

Bridget Walsh
- Senior Policy Analyst, Schuyler Center for Analysis and Advocacy

The planners and presenters do not have any financial arrangements or affiliations with any commercial entities whose products, research or services may be discussed in this activity.

No commercial funding has been accepted for this activity.

Thank You to Our Sponsors:

- University at Albany School of Public Health
- NYS Department of Health
  - Bureau of Dental Health

Featured Speakers

- Jayanth Kumar, DDS, MPH
- Bridget Walsh

Disclosure Statements

Thank You to Our Sponsors:
Tooth Decay: A Public Health Problem

- Most common chronic condition in children
- Greatest unmet need
- Affects eating, speaking, learning and school performance
- Accounts for 17.7% of all health care expenditures among 5-17 year old in children

Poverty and Oral Health Problems

<table>
<thead>
<tr>
<th>Poverty Level</th>
<th>Oral health problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-99% FPL</td>
<td>31.7%</td>
</tr>
<tr>
<td>100-199% FPL</td>
<td>20.1%</td>
</tr>
<tr>
<td>200-399% FPL</td>
<td>18.3%</td>
</tr>
<tr>
<td>400% FPL or higher</td>
<td>11.9%</td>
</tr>
</tbody>
</table>

Schuyler Center for Analysis and Advocacy

- Statewide, non-profit, non-partisan organization.
- Dedicated to improving health and human services for all New Yorkers.
- Emphasis on low-income and vulnerable populations.

Perspectives

“Building on the efforts of the Prevention Agenda 2013-2017 and Healthy People 2020, this plan (State Oral Health Plan) represents an opportunity to bring stakeholders together to improve the lives of all New Yorkers.”

- Howard Zucker, MD, J.D.
  Acting Commissioner of Health

NYS Prevention Agenda: 2013-2017

- Reduce the prevalence of tooth decay
- Increase the adoption of effective preventive interventions
- Reduce disparities in disease prevalence and address access barriers

Framework for Public Health Action

- Increasing population impact
- Educational & community campaigns
- Long lasting protective interventions
- Change the context to make individuals' default decisions healthy
- Socioeconomic factors
- Increasing individual effort needed

- Chairside guide
- Campaigns
- Evidence-based practice
- School Dental Sealant Program
- Fluoridation
- Insurance coverage
Healthy People 2020 Objectives

- Increase the proportion of children, adolescents, and adults who used the oral health care system in the past year
  - from its baseline value of 44.5% by 10%
- Increase the proportion of low-income children and adolescents who received any preventive dental service during the past year
  - from its baseline value of 30.2% by 10%
- Increase the proportion of children and adolescents who have received dental sealants on their molar teeth by 10%

Leading Health Indicator
Oral Health: Getting Worse

Assessing Oral Health: 3rd Grade
Survey Indicators

- Caries Experience
- Untreated Caries
- Dental Sealant
- Dental Insurance
- Last dental visit
- Fluoride tablet use

Prevalence of Tooth Decay, Untreated Tooth Decay & Dental Sealant

State Target and Disparities, 2009-2012 Survey

- Higher Income
- Lower Income
- State Target
Oral Health Indicators in NYS:
Dental Insurance, Fluoride Tablet Use & Dental Visit

Prevalence of Caries by Subgroups

Sugar Sweetened Beverage Consumption

Dental visit: An Opportunity to Address Common Risk Factors

Oral Health in Young Children

- Prevalence of caries in 2-5 year olds is 27.9%
- Children aged 1-5 years enrolled in the Early and Periodic Screening, Diagnostic and Treatment (EPSDT), <16% received any preventive dental visit
- Approximately 4800 children (<age 6) are treated in operating rooms.

Childhood Caries in NYS: Emergency Department and Ambulatory Surgery Facility Visits
Fluoridation in New York State Prevention Agenda Target 78.5%

- Population served: 12.9 m (71.4%)
- Fluoridating Systems: 123

School-Based Dental Programs

- Providers: 56
- Schools served: >1000
- Children served: >60,000

Percent With at Least One Dental Visit and One Preventive Dental Visit

Designing Effective Interventions

- Relative Payback for $1 Invested

State Level

- Community water fluoridation
- Dental insurance
- Reimbursement
- Quality measurements/Data
- Community partnerships
Local Level Engagement

- Early Childhood Caries Simulation Model
- Community campaign kit for local engagement in adopting evidence-based ECC reduction strategies
- Test and refine toolkit
- Provide technical assistance for implementation

Partners

- Oral Health Surveillance
- Community Water Fluoridation Training and Resource Center
- School Oral Health
- Oral Health Expert Consultations & Clearinghouse

Oral Health of Pregnant Women

- Integrate community-based strategies into Maternal and Infant Community Health Collaborative (MICHC) projects
- Develop a best practice model
- Disseminate lessons learned

Oral Health Center of Excellence

- Oral Health Surveillance
- Community Water Fluoridation Training and Resource Center
- School Oral Health
- Oral Health Expert Consultations & Clearinghouse

MySmileBuddy: Technology-Assisted Care Management

- Columbia University mobile tablet-based health technology project
- Community Health Workers meet parents to educate, assess risk, set goals & plan action
- Encourages non-surgical disease management
**Finger Lakes Community Health TeleDentistry with Eastman Institute for Oral Health**

**VIBRANT TeleDentistry**
- Videoconferencing
- Intraoral cameras
- Bilingual/bicultural CHWs
- Remote care
- Access to pediatric dentists
- New partnerships
- Telepresence

**Take Home Message**
- Integrate oral health into health policies and programs to prevent tooth decay
- Track indicators, support evidence-based interventions and share experiences
- Build partnerships and leverage resources

**Resources**
- Prevention Agenda
- Bright Futures: Guidelines for Health Supervision for Infants, Children, and Adolescents
- Smiles for Life National Oral Health Curriculum
  [http://www.smilesfortifecoralhealth.org/buildcontent](http://www.smilesfortifecoralhealth.org/buildcontent)

**Resources**
  [http://www.mchoralhealth.org/PediatricOH/index.htm](http://www.mchoralhealth.org/PediatricOH/index.htm)
- Protecting All Children’s Teeth (PACT): A Pediatric Oral Health Training Program
  [http://www2.aap.org/ORALHEALTH/pact/index.cfm](http://www2.aap.org/ORALHEALTH/pact/index.cfm)

**Evaluations**

Nursing Contact Hours, CME and CHES credits are available.

Please visit [www.phlive.org](http://www.phlive.org) to fill out your evaluation and complete the post-test.

Thank you!