Statewide Oral Health Surveillance Program: The Third Grade Basic Screening Survey

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Collaborative Partnership

Florida HEALTH

Florida Department of Education

Florida Dental Hygiene Association

Advocates for Healthy Mouth, Healthy Body
Oral Health Surveillance
Using the Basic Screening Survey

• Oral Health Indicators for School Children
  • Treated Decay
  • Untreated Decay
  • Sealants
  • Urgency of Need for Dental Treatment

Source: The Basic Screening Survey: A Tool for Oral Health Surveillance not Research, February 2011, Association of State and Territorial Dental Directors
Oral Health Surveillance

Florida’s Oral Health Surveillance

• In the school year 2010-2011, the Oral Health Coalition of Alachua in collaboration with the University of Florida College of Dentistry, and the School Board of Alachua County conducted the first Third Grade Basic Screening survey in Alachua County

• Since that time the dental screening has occurred at all 23 Alachua County Public Elementary Schools

Source: Florida Department of Health Alachua County Health Department 2013 Annual Report
Oral Health Surveillance: Dental Screenings

• Focus on 3rd Grade Students Statewide
• Target grade for Centers for Disease Control and Prevention, Maternal and Child Health Bureau, Association of State and Territorial Dental Directors (ASTDD), and the National Oral Health Surveillance System (NOHSS)
• Included 41 public elementary schools across several counties
• Conducted in conjunction with other state mandated health screenings (BMI, vision, hearing, etc.)
To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.
Oral Health Surveillance Program

Methodology

Approximately 4,973 students enrolled in all third grade classes in the participating 41 schools

- 50.8% of Consent Forms Returned
- 81.6% of Students Screened with returned Positive Consent
- 41.4% of Sampled Students Overall Screened
- 60.7% of Screened Students Eligible for Free/Reduced Lunch
Overall Preliminary Findings

- Untreated Cavities: 23.4% (20.2%, 26.7%)
- Caries Experience: 43.1% (39.2%, 47.0%)
- Sealants Present: 36.9% (33.3%, 40.5%)
- Need Urgent Care: 4.9% (3.1%, 6.7%)
- Need Early Dental Care: 18.3% (14.9%, 21.6%)
## Indicator Comparisons by Gender

**Preliminary Results**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Male - Estimate (C.I.)</th>
<th>Female - Estimate (C.I.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated Decay</td>
<td>22.8% (18.4%, 27.2%)</td>
<td>24.0% (20.3%, 27.6%)</td>
</tr>
<tr>
<td>Caries Experience</td>
<td>43.5% (37.4%, 49.6%)</td>
<td>42.6% (38.7%, 46.4%)</td>
</tr>
<tr>
<td>Sealants</td>
<td>36.8% (32.5%, 41.1%)</td>
<td>36.9% (33.0%, 40.7%)</td>
</tr>
<tr>
<td>Early Dental Care</td>
<td>18.5% (14.9%, 22.2%)</td>
<td>18.0% (13.9%, 22.0%)</td>
</tr>
<tr>
<td>Urgent Care</td>
<td>4.1% (2.3%, 5.8%)</td>
<td>5.8% (2.63%, 8.9%)</td>
</tr>
</tbody>
</table>
Caries Experience and Untreated Decay by Race/Ethnicity

Caries Experience

- White: 40.4%
- Black: 49.8%
- Hispanic: 40.7%
- Asian: 46.2%
- Multi-Racial: 44.7%

Untreated Decay

- White: 18.9%
- Black: 34.8%
- Hispanic: 21.8%
- Asian: 30.1%
- Multi-Racial: 22.6%
To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.

Early and Urgent Dental Care By Race/Ethnicity

Early Dental Care

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>15.4%</td>
</tr>
<tr>
<td>Black</td>
<td>28.4%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>17.7%</td>
</tr>
<tr>
<td>Asian</td>
<td>13.4%</td>
</tr>
<tr>
<td>Multi-Racial</td>
<td>17.1%</td>
</tr>
</tbody>
</table>

Urgent Care

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>3.6%</td>
</tr>
<tr>
<td>Black</td>
<td>6.6%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>3.9%</td>
</tr>
<tr>
<td>Asian</td>
<td>12.9%</td>
</tr>
<tr>
<td>Multi-Racial</td>
<td>4.5%</td>
</tr>
</tbody>
</table>
Sealants by Race/Ethnicity

- White: 43.7%
- Black: 28.8%
- Hispanic: 31.6%
- Asian: 34.0%
- Multi-Racial: 37.2%
To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.
State Comparison

Untreated Tooth Decay
Source: National Oral Health Surveillance System

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State Comparison

Sealants

Source: National Oral Health Surveillance System

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Third Grade Surveillance Project
Dental Hygiene Participants

A Special Thank You

Cathy Cabanzon, RDH, BASDH
Kerri Cook, RDH, BSDH
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Sandy Larew, RDH
Tracy Taylor, RDH

Camden Pierce, Crystal Coffman, Naketa George, Jennifer Dutton
Next Steps:

Initiatives:

• Head Start/ Early Head Start Surveillance Program
• Third Grade Surveillance Program is planned to be repeated in school year 2016-17.
• Statewide School-based Services Program
• Exploring state level agreements to support school-based preventive dental programs.
• Exploring including dental screenings as part of annual health screenings provided at elementary schools.
Head Start
Oral Health Surveillance Project
Statewide School-based Sealant Program

- Expand school-based sealant programs from current total of twenty-six (26) programs to having school-based programs in 67 counties.

- School-based Regional Pilot Project

- Exploring additional funding options for school-based preventive dental programs.
Contact Information

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