Early Childhood Caries/Women, Infant, and Children Dental Collaboration Pilot

Shannon Harp,
ECC/WIC Dental Collaboration Pilot
Project Coordinator

Public Health Dental Program

Thursday, July 28, 2016
Collaboration
Funding Source

• Maternal and Child Health Block Grant
  – Federal Fiscal Year 2015-2016
  – Total Cost of Project: $126,000
  – Allocation per CHD Dental Program: $42,000
    • OPS Dental Hygienist Salary
    • Travel Costs
    • Dental Supplies
Women, Infants, and Children (WIC)

- Federally funded nutrition program for Women, Infants, and Children (WIC)
- Provides healthy foods, nutrition education, and counseling, breastfeeding support, and referrals for health care and community services

Eligibility for WIC

• Categorical
  – Women, infant, or child

• Residential
  – Florida resident

• Income
  – 185% Federal Poverty Level
  – State administered programs

• Nutrition
  – Nutrition risk
Eligibility for ECC/WIC Dental Collaboration Pilot

• Pregnant, breastfeeding, postpartum women and their children under five (5) years of age

-and-

• Participating in WIC
  – 185% or below Federal Poverty Level or receiving other social services
Pilot Project Goals

– Prevent oral disease
– Reduce the number of early childhood caries
– Reduce the amount of preventable tooth decay among mothers
– Increase service utilization rates at the CHD
– Expand client base for both programs
– Development of new collaborative projects for CHDs
Florida’s 2014-2015 Final Head Start Oral Health Surveillance Results and County Health Departments with at least one Full Time Equivalent Dental Hygienist by Region

**Region 1:**
- Head Start: ECC: 2.0%
- UD: 2.8%
- Early Head Start: ECC: 0.6%
  UD: 1.0%

**Region 2:**
- Head Start: ECC: 1.6%
  UD: 2.3%
- Early Head Start: ECC: 0.6%
  UD: 1.0%

**Region 3:**
- Head Start: ECC: 3.1%
  UD: 3.8%
- Early Head Start: ECC: 1.1%
  UD: 0.1%

**Region 4:**
- Head Start: ECC: 5.4%
  UD: 8.1%
- Early Head Start: ECC: 2.5%
  UD: 2.0%

**Region 5:**
- Head Start: ECC: 3.2%
  UD: 2.0%
- Early Head Start: ECC: 0.7%
  UD: 0.7%

**Region 6:**
- Head Start: ECC: 2.3%
  UD: 1.8%
- Early Head Start: ECC: 0.6%
  UD: 0.6%

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ECC/WIC Pilot Counties

★ Baker, Pinellas, and Volusia Counties
Average Number of WIC Clients Served Monthly

- Baker County: 1,200
- Pinellas County: 16,000
- Volusia County: 11,000
Pretest

- Provided at initial dental visit
- Determine knowledge prior to dental services
Posttest

- Provided after dental services received
- Determine new knowledge level
Findings as of June 30, 2016: Clients and Services

- Total Clients Served: 1,327
- Total Services Provided: 5,365
  - Baker
    - Clients Served: 254
    - Services Provided: 623
  - Pinellas
    - Clients Served: 140
    - Services Provided: 409
  - Volusia
    - Clients Served: 933
    - Services Provided: 4,333
# Findings as of June 30, 2016

<table>
<thead>
<tr>
<th>CDT Code</th>
<th>Service</th>
<th>Number of Services</th>
<th>Total Billed</th>
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<tbody>
<tr>
<td>D0190 &amp; D0191</td>
<td>Screening/Assessment</td>
<td>1,327</td>
<td>$13,125.00</td>
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<td>D1110</td>
<td>Adult Prophylaxis</td>
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<td>$1,573.25</td>
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<td>D1120</td>
<td>Pediatric Prophylaxis</td>
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<td>D1206</td>
<td>Fluoride Varnish</td>
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<td>$24,144.03</td>
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<td>D1330</td>
<td>Oral Health Instructions</td>
<td>1,327</td>
<td>$14,978.31</td>
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<tr>
<td>D1351</td>
<td>Dental Sealant (each sealant)</td>
<td>0</td>
<td>$0.00</td>
</tr>
</tbody>
</table>
Findings as of June 30, 2016: Demographics

- **Race/Ethnicity**
  - White: 698 (53%)
  - Black/African American: 137 (10%)
  - Asian: 3 (.2%)
  - Hispanic: 471 (36%)
  - American Indian/Alaska Native: 0
  - Native Hawaiian/Pacific Islander: 0
  - Other: 9 (.7%)

- **Medicaid/SCHIP Status**
  - Medicaid: 1,150 (87%)
  - SCHIP: 0
  - Neither: 157 (12%)
  - Unknown: 20 (1%)
Findings as of June 30, 2016: Oral Health Indicators

• Dental visit within last 12 months
  – Pregnant, postpartum, or breastfeeding women: 64 (24%)
  – Children: 206 (76%)

• Presence of at least one abscess
  – Pregnant, postpartum, or breastfeeding women: 0
  – Children: 3 (100%)
Findings as of June 30, 2016:
Oral Health Indicators

• Visible Swelling
  – Pregnant, postpartum, or breastfeeding women: 1 (34%)
  – Children: 2 (66%)

• Untreated Decay
  – Pregnant, postpartum, or breastfeeding women: 88 (36%)
  – Children: 159 (64%)
Findings as of June 30, 2016: Oral Health Indicators

• Treatment Urgency: None
  – 260 (54%)
• Treatment Urgency: Early
  – 184 (38%)
• Treatment Urgency: Urgent
  – 38 (8%)
Baker County Findings

- Days in Operation: 107
- Estimated Medicaid Reimbursement: $6,843
- Pretest Score: 3.32
- Posttest Score: 4.4
- Best Practices
  - Clients open to discussion about their oral health and seems less intimidated as compared to a clinical setting.
  - Project has enabled Dental/WIC to collaborate in proving thorough oral/health nutritional counseling, aiding in the prevention of ECC.
Pinellas County Findings

- Days in Operation: 200
- Estimated Medicaid Reimbursement: $3,731
- Best Practices
  - Paperwork and wait times were a deterrent, clients preferred to schedule appointments versus waiting.
  - Placing the hygienist inside the WIC area proved to be the most successful.
Volusia County Findings

- Days in Operation: 107
- Estimated Medicaid Reimbursement: $147,424
- Pretest Score: 2.8
- Posttest Score: 4.9
- Best Practices
  - Convenience of Care
  - Education
Sustainability

- Hygiene Workforce Model
- Predetermine Medicaid eligibility of WIC clients
- Bill for **ALL** billable services
- Schedule all clients to Dental program and schedule follow-up visits during visit

**Patient follow-up**
- Send patient reminders (phone calls, notecards, be available during scheduled WIC visits)
Future Goals/Next Steps

• Continue partnership between County Dental and WIC Programs
• Increase awareness of WIC oral health needs with a focus on high risk regions
• Increase the dental workforce by utilizing the Hygiene Workforce Model
Questions?
Contact Information

Shannon Harp

(850) 245-4444 x 3220

Shannon.harp@flhealth.gov
Planning

• Who will you serve?
  – Parent
  – WIC child only
  – Sibling

• Where?
  – Which WIC program
    • Available Space
    • Numbers seen per day
    • WIC staff interest
Getting Started

• Start up costs - $10,000
  8 – 10 weeks to prepare
  – Purchase Equipment
  – Posters and Flyers
  – Instruments and Supplies

• Site – Credentialing and Site Visits

• Hiring Staff
  Dental Hygienist
  – Responsible and Trustworthy
Benefits

- Value of Time
- Convenience
- Dental Education
- Rapport – Positive experience
- Prevention and Early Intervention
Sustainable ?