Reducing the Burden of Childhood Dental Disease in Michigan

Center for Medicare & Medicaid Innovation
Health Care Innovation Award Round Two

Michigan Oral Health Coalition Annual Conference
June 12, 2015
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Health Care Innovation Award (HCIA) Overview

• The CMS Center for Medicare & Medicaid Innovation supports the development and testing of innovative health care payment and service delivery models.

• Authority: Section 3021 of the Affordable Care Act

• HCIA: Health Care Innovation Awards

• Timing: Round 1, June 2013 - June 2015
  Round 2, Sept. 2014 - Sept 2017

• Final Number of 2nd Round Participants: 39

• Goals: Implement the most compelling new ideas to deliver better health, improved care and lower costs to people enrolled in Medicare, Medicaid and CHIP, particularly those with the highest health care needs.
Altarum Institute Overview

- A Michigan company since 1946
- Deep connections to the University of Michigan College of Engineering, Medical School and School of Public Health
- Nonprofit, focused solely on health and healthcare, headquartered in Ann Arbor
- Today, we balance “think-tank” work for the Federal government with direct interventions to improve health and healthcare
Altarum Institute Overview

- **Altarum** is tackling a whole range of issues to advance health and healthcare.
Health Innovations & Technical Assistance

- Health Innovations & Technical Assistance is a 75+ person, multi-office business unit, made up of 4 nonprofit Centers dedicated to *advancing health policy and practice* through research, innovation and the delivery of technical assistance to states, health departments and healthcare providers.
Overview of Michigan Caries Prevention Program (MCPP)

• **Target Population:** ~1M Michigan Children Insured by Medicaid/MIChild

• **High-level aims:** *Sustained, system-wide improvement*
  1. Increase the proportion of low-income children who receive preventive dental services
  2. Reduce the proportion of low-income children experiencing tooth decay
  3. Reduce the total cost of oral health care among the target population

• **Program Components**
  – Michigan Caries Prevention Council
  – Statewide Information Architecture
  – Medical & Dental Provider Engagement
  – Community Health/School Engagement
**MCPP: Why Children’s Oral Health?**

**Extremely High Prevalence**
- Dental disease is the **most prevalent chronic health condition among children**.
- Nearly half of all children entering kindergarten have had a cavity.

**Profound Disparity**
- As much as 80% of tooth decay is experienced by only 20% of the population.
- In some areas of Michigan, 80% of children did not see a dentist in the past year.

**Impacts on Child’s Development**
- Dental disease can affect learning, speech development, nutritional intake, self-esteem, social development, and quality of life.
- **1 in 7** elementary school children suffer from a toothache, affecting concentration, school attendance, and academic achievement.

**Preventable Cost Burden**
- Children who see a dentist by age 1 typically have **40% lower** dental costs during first five years of life.
- Untreated caries can lead to costly restorative procedures, emergency visits and ambulatory surgeries.
The Current State of Child Dental Affairs in MI

Dental utilization among children is low
- In some areas of Michigan, 80% of children did not see a dentist in the past year.
- Tooth decay is becoming more frequent among those ages 2–5 years.

Healthy Kids Dental covers 60% eligible, 40% left without
- In many areas, there are not enough dentists willing to see pediatric Medicaid FFS patients. Contributing factors include lower reimbursement, administrative burden, and experience with no-shows.

Provider incentives are misaligned for optimal practice
- Few general dentists accept children younger than 4 years of age despite AAPD recommendations.
- Among general dentists in Michigan, 74% of providers are aware of these recommendations, yet only 36% recommend that their own patients begin routine dental care at age 1.

Technology and information flows lacking
- Dental providers are not yet included as users to the state’s Single Sign On interface.
Primary Objective: Provide advice and input to guide project activities. Actively support MCPP’s goals and implementation statewide.
Michigan Caries Prevention Program: The Partners

Delta Dental of Michigan

– Support communication with dental providers
– Support data acquisition and analysis of utilization trends, referral management, and monitoring of project impact
– Support the creation of a statewide quality monitoring program
Michigan Caries Prevention Program: The Partners

University of Michigan School of Dentistry

- Develop or select oral health risk screening tools
- Support development of training materials targeting medical community
- Assist in developing outreach materials for patients, families, and providers
- Oversee pilot implementation at Hurley Medical Center in Flint
- Support program monitoring and evaluation
- Provide subject matter expertise for development of a statewide quality monitoring program
Michigan Caries Prevention Program: The Partners

Michigan Department of Health and Human Services

- Establish connections between project team and public health professionals delivering screenings in non-traditional settings
- Support education and outreach to Medicaid families
- Assist with exploring and planning potential changes to state systems or data flows in support of advancing children’s oral health
- Support pursuit of data to inform decisions and monitor project impact
Primary Objective: Develop the information architecture to support the flow of information between medical and dental providers

• Serve as a referral pathway and track referral completion
• Assist in assessing and documenting caries risk
• Support statewide quality monitoring
• Track population level oral health indicators for Medicaid enrollees
• Demonstrate value of prevention

Value Add:

• Data capture of service provision across all provider settings, including non-traditional settings
• Supports administration of preventive oral health services
• Reduces duplication of dental services
• Provides up to date parent/patient education materials
MCPP: Notional Information Architecture

**Data Exchange**
- Michigan Medicaid Data Warehouse
- Master Person Index
- Michigan Medicaid ID

**Michigan Dental Public Health System**

**Preventive Services Delivered:**
- Oral Health Risk Assessment
- Fluoride Varnish Application
- Dental Referral

**Caries Risk:**
- Low
- High

**Oral Health Education:**
- Oral Health Education Ages 0-2
- Oral Health Education Ages 3-5
- Oral Health Education Ages 6-8
- Oral Health Education Ages 9-12
- Oral Health Education Ages 13-18

**Clinical Findings:**
- White spots or visible decalcifications in the past 12 months
  - Yes
  - No
- Obvious Decay
  - Yes
  - No
- Restorations (fillings) present
  - Yes
  - No
- Visible plaque accumulation
  - Yes
  - No
- Gingivitis (swollen/bleeding gums)
  - Yes
  - No
- Teeth present
  - Yes
  - No
- Healthy Teeth
  - Yes
  - No

**Potential Users**
- Pediatricians
- Family Practitioners
- Dentists
- Community Health Staff
- Schools and Head Starts

**Potential Functions**
- Oral Health Risk Screening
- Preventive Services Delivery
- Dental Referral
- Quality Monitoring
- Patient Education

**Contact Us**

Enter a location to find your local dentist

Single Sign On
- EHR
Primary Objective: Engage 1,500 primary care physicians to integrate preventive oral health services, aligned with AAP and Bright Futures Guidelines, into the appropriate well-child visits.

**Recruitment Strategies**

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<th>Peer-to-Peer</th>
<th>Incentivize</th>
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<td>• Leverage physician oral health champions</td>
<td>• Provide CME credit</td>
<td>• Connect medical and dental provider communities with technology</td>
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<td>• Leverage Physician Advisory Committee</td>
<td>• Distribute free preventive oral health supplies</td>
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**Direct-to-Provider Technical Assistance**

- Preventive Oral Health Education and Certification
- Patient referral to dental home
- Workflow and billing supports

MCPP provider training piloted with Hurley Medical Center Pediatric Residency program in May 2015; Statewide recruitment is now active.
MCPP: Medical Provider Recruitment Plan

- Provider trainings approved to provide **20 CME credits** and will begin in July
- Capacity for Technical Assistance coverage in place statewide
- Statewide outreach for physician recruitment has begun

**Recruitment Incentives**

- **20 AMA PRA Category 1 Credits**
  Joint-sponsored CME activity with U of M Medical School
- **Additional Reimbursement**
  $23 additional revenue per Well Child Visit
- **Streamlined Smiles for Life**
  Certificate is provided at training
MCPP: Physician Advisory Committee

- **Primary Objective**: The MCPP Physician Advisory Committee (PAC) is working to build a peer-to-peer network of oral health champions among the physicians in the state.

- Committee members include:
  - Ed Cox, MD, FAAP (Kent County)
  - Sharon Swindell, MD, FAAP (Washtenaw County)
  - Sania Zainuddin, MD, FAAP (Genesee County)
  - Stephanie Goodson, MD, FAAP (Livingston County)
  - Faiyaz Syed, MD, MPH (Ingham County)
  - Barbara Oettgen, MD, FAAP (Wayne County)
  - William Webb, MD, FAAFP (Charlevoix County)
Primary Objective: Increase awareness and improve access to appropriate preventive care

- Encourage more general dentists to see children and activate in supporting Age One dental visits
- Educate and increase comfort level with treating infants and toddlers through hands-on Continuing Education opportunities
- Optimize utilization of pediatric dentists for children with highest need
- Deliver direct-to-provider technical assistance to better align practice with guidelines

In some areas of Michigan, there are not enough dental providers who accept pediatric patients, so strategies that employ non-traditional providers are necessary.
Primary Objective: Connect patients to appropriate care and provide support to those providers accepting the referrals

- MCPP is building a pipeline of patients to dental providers, but in many areas, available dental capacity will not meet the demand
  - Identify ways to support the existing dental safety net
Primary Objective: Provide access to preventive oral health services in communities without appropriate provider capacity

- Leverage non-traditional providers and settings:
  - PA 161 Programs
  - WIC Clinics
  - Mobile Dentists
  - Indian Tribal Organizations

- Target children with highest need

- Implement innovative strategies to overcome barriers

- Link mobile dental providers to information systems
**Primary Objective:** Empower parents to take an active role in their children’s oral health, leveraging a common message via multiple levels of communication channels.
MCPP: School Engagement

**Primary Objective:** Increase access to services and promotion of oral health through school, Head Start and Early Head Start programs

- Leverage PA 161 workforce and existing school-based programs
- Leverage existing education campaigns targeted and designed for implementation in early childhood organizations
- Use dental students for education and services to schools/Head Starts
- Develop web portal (‘Smile Connect’) for connecting dental students and professionals to schools/Head Starts
Launching this Fall: SmileConnect.org

**Primary Objective:** Facilitate connections between organizations invested in improving children’s oral health with early childhood organizations and other appropriate outreach points.

**Working together to build a more coordinated system for improving children’s oral health**
SmileConnect.org: How it Will Work

### Schools & Head Starts

**POST**

Schools and head starts post requests for dental education and/or services to the site.

### Dental Schools

**BROWSE**

Dental providers and dental schools browse requests from schools and head starts to receive dental education and/or services for their students.

### CONNECT

Educators and dental students connect to help get children the oral health education and preventive services they need in the classroom!
How Can You Get Involved?

- Partner with us on a National Children’s Dental Health Month 2016 effort
- Share your grassroots public relations or community education campaign with us – we are looking to support community organizations!
- Support physician recruitment to MCPP training in your community
  - Interested medical providers can call 1-844-4-MITEETH
- Volunteer to be part of a pilot SmileConnect event
- Help us get the word out!
  - Share our website (www.MIteeth.org) on your website and social media
  - MCPP Newsletters – sign up at www.MIteeth.org
  - Follow us on Twitter: @MI_Teeth
  - Support a common message about children’s oral health!
Questions?

Thank You!

Amanda DeLandsheer
(734) 302-4779
Amanda.DeLandsheer@altarum.org

info@MITeeth.org

www.MITeeth.org

@MI_Teeth