Meaningful Use for Dentists: What does it mean for me?

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U.S Department of Health and Human Services
Health Resources and Services Administration
Office of Special Health Affairs
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Overview

- Examine oral health quality measures
- Discuss the role of Health IT in the future of those oral health quality measures.
- Explore Meaningful Use criteria and its implication in oral health.
- Review HRSA’s efforts in oral health IT and quality measures.
- Identify the role of dental public health professionals in quality improvement.
Back to School:
Q1. Which is a quality measure?

- Percent of children under 18 with dental caries
- Percent of patients with access to an oral health care provider
- Percent of patients with fluorinated water access /or intake?
Q2: Which of the following is true?

- The number of patients with a cavity is a quality measure.
- Numerator, denominator, & exclusion criteria are all features of a quality measure.
- A quality measure captures data on outcomes of interventions.
- Quality measures are useful for patients.
- Risk adjustment should be used for quality measures that are only generated for the provider.
What is Quality Measurement?

Quality Measure properties
- Numerator
- Denominator
- Exclusion Criteria

Different types of measures
- Structure
- Process
- Outcome

Different audiences
- Consumer
- Provider
- Insurer
- Policy maker
“Not everything that counts matters. Not everything that matters can be counted”

Albert Einstein
Blind man & the elephant
Why are quality measures important?

• Does what we do have an impact?
• Does what we do result in what we wanted or expected?
• Does what we do get us where we need to go?
• Are we adding to the evidence base?
Why are quality measures important?

• WHAT ARE WE MEASURING?

• Who is doing the measuring?

• What is done with that information?

• Does it make a difference?
What types of quality measures exist for dental care?

- **Quality of Access**
  - Service use
  - Untreated disease

- **Quality of Outcomes**
  - Technical excellence of restorations
  - Patient satisfaction

- **Minimal data on whether dental process affects outcomes**
What types of measures are needed?

- Who creates the measures
- Different audiences
  - Consumer
  - Provider
  - Insurer
  - Policy maker
Difference between QA and QM

- Quality assurance (QA) and risk management programs are intended to improve patient care, meet accreditation standards, and ensure compliance with liability insurance policies.

- Effectiveness of care measures
  - What works and why
  - Evidence based
How does health IT fit in?

  
  "Dentistry will and should become more closely integrated with medicine and the health care system on all levels: patient care, research, information technology, and education."
EHRs Do Not Solve All Problems
So what is Meaningful Use?

ARRA requirements for Meaningful Use

✓ Certification
✓ Information Exchange
✓ Quality Measurement
Quality Measures

• Must report subset of quality measures directly to CMS
• Core set of measures
• Alternative set of measures
Who is Eligible for Meaningful Use?

**MEDICARE:**
- Physicians
- Podiatrists
- Optometrist
- Chiropractor

**MEDICAID:**
- Physicians
- Dentists
- Nurse Practitioners
- Certified Nurse Midwives
- Physician Assistants who lead an FQHC or RHC
Pumpkin

Meaningful Use of a Pumpkin
<table>
<thead>
<tr>
<th>Objective</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPOE</td>
<td>100% for ambulatory and 10% of all orders by authorizing provider for hospitals</td>
</tr>
<tr>
<td>Interaction Checking</td>
<td>Drug-drug, drug-allergy and drug-formulary</td>
</tr>
<tr>
<td>Documentation</td>
<td>Demographics, problem list, active medications, allergies, vital signs, smoking status, clinical summaries for each encounter (progress note per encounter in ambulatory)</td>
</tr>
<tr>
<td>ePrescribing</td>
<td>For all permissible prescriptions in ambulatory</td>
</tr>
<tr>
<td>Medication Reconciliation</td>
<td>At relevant encounters and each transition of care</td>
</tr>
<tr>
<td>Inbound Results</td>
<td>Incorporate lab results into EHR as structured data</td>
</tr>
<tr>
<td>Information Exchange</td>
<td>Submit EHR data to registries and public health agencies. Exchange key clinical information among providers of care.</td>
</tr>
<tr>
<td>Patient Access</td>
<td>Patient electronic copy or access to clinical information, patient-specific education resources</td>
</tr>
<tr>
<td>Eligibility and Claims</td>
<td>Electronically check eligibility where possible and electronically submit claims</td>
</tr>
<tr>
<td>Population Condition Management</td>
<td>Report quality measures to CMS, generate patient list specific to condition (Provide reminder letters to preventive and follow-up care in ambulatory)</td>
</tr>
<tr>
<td>Privacy and Security</td>
<td>HIPAA compliance and compliance with fair data sharing practices set forth in Nationwide Privacy and Security Framework</td>
</tr>
</tbody>
</table>
HIT-Enabled Health Reform
Achieving Meaningful Use

2009

HITECH Policies

2011

2011 Meaningful Use Criteria (Capture/share data)

2013

2013 Meaningful Use Criteria (Advanced care processes with decision support)

2015

2015 Meaningful Use Criteria (Improved Outcomes)
Oral Health Measures

  - Annual dental visit
  - Children who received preventive dental care
  - Primary caries prevention intervention as part of well/ill child care as offered by primary care medical providers
  - Children who have dental decay or cavities

- 4 oral health measures recommended by HRSA for Stage II of Meaningful Use
HRSA Resources

- Hrsa.gov/healthIT
  - Webinars
  - HIT Toolkits specific to oral providers
  - Lessons learned from others
- Promotion of oral measures to be included in stage II and III
HRSA Priorities

✓ Strengthen the Primary Care Workforce

✓ Improve Access to High Quality Primary Care Services

✓ Strengthen HRSA’s Organizational and Technology Infrastructure, Workforce, and Workplace Climate

HRSA Strategic Priority includes the expansion of oral health services and its integration into primary care settings.

“Oral health is an integral part of overall health”
HRSA’s efforts in Oral Health Quality Improvement

- Established a cooperative agreement with the National Network for Oral Health Access
  - TA to Health Centers
  - National Primary Oral Health Conference
- HRSA/ASPE – National Quality Forum
  - Advances oral health performance measure development.
- HRSA - National Opinion Research Center
  - Develops a Pediatric Oral Health IT Toolkit and an Oral Health IT Toolbox (available Hrsa.gov/healthIT)
- Partnership with the American Academy of Pediatrics
What can you do?

• Identify your quality goals

• Look at what data you track

• Become partners with primary care providers

• Identify what information is essential for information exchange with other health care providers
Marshfield Clinic & Family Medical Ctr of Marshfield

- Mission - to improve access to primary care services for the medically underserved & enhance health of communities
- 7 health centers (over 30K patients)
- Free electronic health record integrated fully with electronic dental records
Problems

Last Dx'd | Description
--------- | ------------------
06/01/06  | BPH (Benign prostatic hypertrophy) [600.00] - (CMR)
06/01/06  | Chronic venous hypertension with inflammation [459.32] - (CMR)
03/03/06  | Hypothyroidism [244.9] - (CMR)
03/03/06  | Arthritis [knee(s), lower leg(s) 716.96] - (CMR)
03/03/06  | Diabetes mellitus, type 2 [controlled 250.00] - (CMR)

Allergies/Adverse Reactions - Clinical Alerts

Drug (Verified Today By Moin, Amy M)
- Sulfa: Hives
- Non-Drug (Verified Today By Moin, Amy M)
- Bee stings: Blister(s); Hives; Throat swelling / acute onset
- Eggs: Anaphylaxis; Blister(s); Hives / generalized; acute onset; Extreme; positive test

Clinical Alerts
None

Prevention Reminders - Immunizations

<table>
<thead>
<tr>
<th>Procedure</th>
<th>DUE</th>
<th>Previous Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colonoscopy</td>
<td>OVERDUE</td>
<td>09/18/95</td>
</tr>
<tr>
<td>Urine Microalbumin Test</td>
<td>OVERDUE</td>
<td>06/01/06 - (CMR)</td>
</tr>
<tr>
<td>Hemoglobin A1C</td>
<td>OVERDUE</td>
<td>02/09/07</td>
</tr>
<tr>
<td>Eye Exam</td>
<td>OVERDUE</td>
<td>06/01/06</td>
</tr>
<tr>
<td>Flu</td>
<td>DUE</td>
<td></td>
</tr>
</tbody>
</table>

Active Medications

Last Updated
- Atorvastatin Calcium (Lipitor®) 10mg Tablet 1 Tablet(s) (10 mg) by mouth one daily
- Ginkgo Biloba (Ginkobio®) 40mg Tablet 1 Tablet(s) (40 mg) by mouth once daily
- Multivitamin (Men's Multi-Vitamin®) Tablet 1 Tablet(s) by mouth once daily

Appointments (Not seen in FAMILY PRACT for 3 years)

- 10/15/07 @ 14:45 Commercialization, Is MD - OV NC-SL - (CMR)
  Marshfield Center - IS First Floor Area A
  6 month diabetes check

Vitals [View]

<table>
<thead>
<tr>
<th>Date</th>
<th>Blood Pressure</th>
<th>Body Mass Index</th>
<th>Height</th>
<th>Oxygen Saturation</th>
<th>Pulse</th>
<th>Temperature</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/06/07</td>
<td>120/80 mm Hg</td>
<td>22.4 kg/m^2</td>
<td>182.88 cm (72.00 in)</td>
<td>99.0 %</td>
<td>72 bpm</td>
<td>37.0 °C (98.6 °F)</td>
<td>74.5 kg (165.00 lb)</td>
</tr>
<tr>
<td>09/06/07</td>
<td></td>
<td></td>
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Provider Worksheet

No Provider Worksheet for this appointment.
Create Provider Worksheet
It is already happening…

• 50% of Federally Qualified Health Centers have electronic dental records (EDRs)
  ✓ 62% of these use Dentrix
  ✓ 14% use QSI Dental
  ✓ 9% use EagleSoft

• 47% plan to implement an EDR within 4 yrs
  ✓ 37% of these plan to implement within 6 months
  ✓ 33% of these plan to implement within 6-12 months
  ✓ 25% of these plan to implement within 1-2 years

Source: George Washington University, 2011
Why can dental professionals in CHCs and FQHCs lead the way in dental quality measures?

- Quality measures are already in use in medical settings especially CHCs
- Dental professionals in CHCs are used to working in inter-professional teams
- CHCs require some QI activity
- Dental professionals in CHCs are more likely to “get the big picture”
Where do we go from here

- Dental diagnosis codes
- Quality practices
- Electronic dental system
- Evidence base
- Disease control and prevention

Review of topics covered

- Examine current and future oral health quality measures.
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Contact Information

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