

Improving Oral Health Through Measurement

QUALITY MEASUREMENT 102: Why, What & How



DQA DENTAL QUALITY ALLIANCE®

Speakers



Marie Schweinebraten, DMD Periodontist Georgia Reconstructive Dentistry



Ralph Cooley, DDS Associate Professor Assistant Dean University of Texas School of Dentistry



Learning Objectives

- Explore why measurement matters in dentistry;
- Understand what a measure is, the dynamics of how they work and the makeup of a successful measure; and
- Learn how measurement drives quality improvement and how to put it to use.



Measurement: A Brief Background



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Why Do Measures Matter?



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Improve Population Health

Drive Improvement

Inform Consumers

Influence Payments/Carriers

Who Uses Quality Measures?



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What IS a Measure?



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A standard: A reference point against which other things can be evaluated; "they set the measure for all subsequent work." v. To bring into comparison against a standard.

Source: NQF: The ABCs of Measurement

The Beginnings of a Measure



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Scientific Research



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What is Needed to Create a Measure?



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What is a Numerator?



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Numerator = What is being measured within specific parameters according to the goal that has been set.

> How many pediatric patients (under 21) received at least 2 fluoride varnish application in the last year?



What is a Denominator?



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Denominator = Is derived from the general group that is being evaluated i.e. the Who, Where, When.

How many pediatric patients (under 21) are in the practice?

Together, a Measure!



% of pediatric patients who received preventative treatment in the last year

of pediatric patients under age 21 who received at least 2 fluoride varnish application in the last year

of pediatric patients under age 21 in the practice

The Science Behind Measurement



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Is the concept Evidence Based?

Are there **Clinical Studies**?

Have there been Systematic Reviews?

What are the Clinical Recommendations?

A Good Measure...



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✓Covers important Scientifically Acceptable clinical or administrative areas ✓ Scientifically acceptable (valid **MEASURE** Useable & Important Relevant and reliable) ✓ Useable & Relevant ✓ Feasible Feasible

Quality Measure Domains



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Exploring Domains



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Identifying Access



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Access to care is the attainment of timely and appropriate health care by patients or enrollees of a health care organization or clinician.



Access measures are supported by evidence that an association exists between the measure and the outcomes of or satisfaction with care.

Source: NQMC Measure Domain Definitions

Understanding Access



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Access

e.g. % of all enrolled children under age 21 who received at least one dental service in the reporting year.

Identifying Structure



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Structure of care is a feature of a health care organization or clinician related to the capacity to provide high quality health care.

Structure measures are supported by evidence that an association exists between the measure and one of the other clinical quality measure domains. These measures can focus on either health care organizations or individual clinicians.

Source: NQMC Measure Domain Definitions

Understanding Structure



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Structure

e.g. All hygienists in a practice

Identifying Process



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A process of care is a health carerelated activity performed for, on behalf of, or by a patient.

Process measures are supported by evidence that the clinical process—that is the focus of the measure—has led to improved outcomes. These measures are generally calculated using patients eligible for a particular service in the denominator, and the patients who either do or do not receive the service in the numerator.



Source: NQMC Measure Domain Definitions

Understanding Process



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Process

• Prevention: Fluoride

• Prevention: Sealants

Identifying Outcome



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An outcome of care is a health state of a patient resulting from health care.

Outcome measures are supported by evidence that the measure has been used to detect the impact of one or more clinical interventions. Measures in this domain are attributable to antecedent health care and should include provisions for risk-adjustment.

Source: NQMC Measure Domain Definitions

Understanding Outcome



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Outcome

Improved Risk Status Reduced Caries

Identifying Patient Experience



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Experience of care is a patient's or enrollee's report of observations of and participation in health care, or assessment of any resulting change in their health.

Patient experience measures are supported by evidence that an association exists between the measure and patients' values and preferences, or one of the other clinical quality domains. These measures may consist of rates or mean scores from patient surveys.

Source: NQMC Measure Domain Definitions

Understanding Patient Experience



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Measure Breakdown



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Measure Terms Defined



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MEASUREMENT PERIOD

The timeframe in which the action or outcome of interest may be accomplished

UNDUPLICATED

The patient can only be counted once during the measurement month

<u>RATE</u>

A fraction, the numerator divided by the denominator

DIRECTION OF IMPROVEMENT

Does a higher or lower score indicate better quality

Quality Measures in your Practice



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Practice-Based Dental Measures



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Measures related to:					
Diagnosis	Prevention	Oral Health Status	Clinical Quality Services	Care Continuity	Treatment

Meaningful Measures Aligned with Internal Quality Improvement Goals

Practice Based Measures for Population Health



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Dental Sealants for children ages (6-9 years and 10-14 years) at elevated caries risk

Care Continuity for children ages 2-20 years Topical Fluoride Application for children ages 1-20 years at elevated caries risk

Caries Risk Assessment Documentation



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Description: Percentage of patients under age 21 years with caries risk documented during the measurement month

Numerator: Unduplicated number of children with caries risk documented

Denominator: Unduplicated number of all children under age 21 years with an oral evaluation or assessment during the measurement month

Rate: NUM/DEN (Numerator is always a subset of denominator)

Direction of Improvement: Higher the better

Topical Fluoride Application



Description: Percentage of patients aged 1–21 years who received fluoride varnish during the measurement month

Numerator: Unduplicated number of all children who received fluoride varnish

Denominator: Unduplicated number of all children aged 1–21 years who received an oral assessment or evaluation during the measurement month and have not received two fluoride varnish applications prior to the measurement month

Rate: NUM/DEN (Numerator is always a subset of denominator)

Direction of Improvement: Higher the better

Practice Based Operational Metrics



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Measure Sets



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What are they?

Why use them?

Identifying multiple measures of a specific aspect in order to assess and obtain a complete picture of performance

To track overall performance in achieving an improvement goal
A Look at a Measure Set



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Practice Level Pediatric Measure Set

Caries at Recall

- Caries Risk Assessment Documentation
- Sealants, 6–9 years
- Sealants, 10–14 years
- Topical Fluoride Application

What is Addressed

 Population health management. Tracks preventative interventions proven to assess and address disease and risk management.

A Look at a Measure Set



Practice Level Operational Measure Set

- Charges (Production) Per Encounter
- Encounters per Hour
- No Shows
- Direct Cost per Visit
- Recall Rates

What is Addressed

 Fiscal & operational sustainability. Tracks the health of your practice.

Measuring for Quality Improvement (QI)



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Measuring Internal QI





Measuring External QI (Accountability Application)





The Ultimate Goal?







The Golden Rules of Improving Oral Health Through Measurement **Measurement for Improvement**



Rule #1: Set AIM(s)





Rule #2: Measure Over Time



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Rule #3: Maintain a Population Dental QUALITY ALLIANCE® Improving Oral Health Through Measurement Health Focus



Putting Measurement to Work



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Quality Measurement is here to stay and must be controlled by the dental profession



THE DENTAL QUALITY ALLIANCE



DQA established by the ADA pursuant to CMS' request and ADA BOT 2008 Resolution:

> Resolved, that the American Dental Association should participate in the Dental Quality Alliance (DQA) proposed by the Centers for Medicare and Medicaid Services (CMS) contingent upon the Association having an authoritative leadership role in the development and operation of the Alliance documented in written communication from the appropriate official at the CMS.



The mission of the DQA is to advance performance measurement as a means to improve oral health, patient care and safety through a consensusbuilding process.

Objectives of the DQA





- Identify and develop evidencebased oral health care performance measures and measurement resources.
- Advance the effectiveness and scientific basis of clinical performance measurement and improvement.
- Foster and support professional accountability, transparency, and value in oral health care through the development, implementation and evaluation of performance measurement.

Influence of the DQA



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DQA measures are implemented across both public and private sectors

> 34 states report using DQA measures

States beginning to incorporate inclusion of DQA Measure into Request for Proposal (RFP) practices



Stay in Touch with the DQA!



- Questions about developing, using or implementing measures?
- Questions about current DQA measures or those in development?
- Have research, ideas or quality improvement initiatives to share?



We are here to guide, collaborate and listen: Email: <u>dqa@ada.org</u> Web: <u>www.ada.org/dqa</u>