

Quality Measurement 104

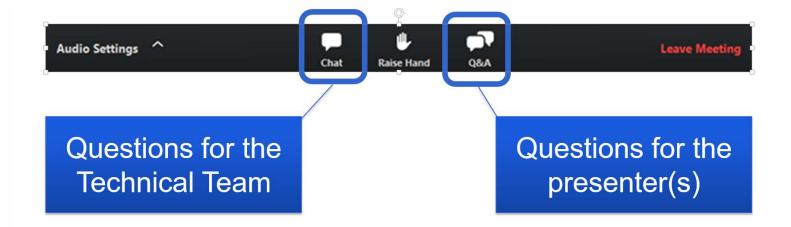
Measurement in Action

Data Driven Quality
Improvement Strategies



Before We Begin...

This Webinar does not have a LIVE Q&A session.
However, throughout this webinar, questions can be asked via the Q&A icon on the toolbar. All questions will be compiled and responded to via email.







MEASURE and **IMPROVE**



The Golden Rules of Measurement for Improvement





Learning Objectives

By the end of this webinar, participants will be able to:

- Learn about data driven strategies that have demonstrated improved outcomes
- Discover the key components of providing Personalized Care with the Implementation of Caries Risk Assessment
- Understand the improvement goals and implementation strategy of the Marshfield Clinic Health System - Dental Quality Improvement Initiative



Speakers



Jesley C. Ruff DDS, MPH is on the Board of Directors of the Wisconsin Collaborative for Healthcare Quality, Chair of the Improvement Committee and with ForwardDental, a medically orientated integrated oral health partnership model located in the State of Wisconsin.



Amit Acharya BDS, MS, PhD, FAMIA currently serves as the System Vice President for Research at Advocate Aurora Research Institute and the Chief Research Officer of Advocate Aurora Health.

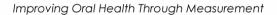


Disclosures

- Dr. Jesley Ruff has received grant funding/support from ForwardDental and American Dental Partners & Foundation.
- Dr. Amit Acharya has received grant funding/support from Delta Dental of Wisconsin, Health Resources and Services Administration, Family Health Center of Marshfield and Marshfield Clinic Health System for the work being presented here today.



Caries Risk Assessment Patient Registry





Personalized Care: Caries Risk Assessment Patient Registry

"The best interest of the patient is the only interest to be considered, and in order that the sick may have the benefit of advancing knowledge,

union of forces is necessary."

W. J. Mayo



Quality Improvement:



[&]quot;Systems awareness and systems design are important for health professionals, but are not enough. They are enabling mechanisms only. It is the ethical dimension of individuals that is essential to a system's success. Ultimately, the secret of quality is love."

[&]quot;Evaluating the Quality of Medical Care". Donabedian D



Presentation Agenda:

Part One- Elements of Quality Improvement

- Introduction-Structure-Process-Outcome
- Aim/Purpose, Measurement, Population
- Accomplishments-Overview

Part Two-Essentials of Quality Improvement

- Challenges-Lessons learned
- Critical Strategies
- Key Take-aways
- Summation-Final Thoughts



Oral Health Partnership Model

- Accreditation Association for Ambulatory Health Care Accredited (AAAHC)
- Medically oriented, integrated, 50-years old
- A singular focus on clinical team therapeutic relationships and the needs, preferences and values of the patient.
- Patients are; family, friends and neighbors from the communities where the clinical teams reside.
- The group's mission is resonant with an obligation to serve.



Problem, Aim, Measurement, Population

Problem Identification

Caries Risk Assessment: evidence-based guidelines/ Research/personalized care / documentation

Aim/Purpose

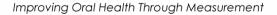
Plan, develop, test, implement, evaluate, integrate disseminate caries risk assessment/ personalized.

Measurement

Instrument, specification, numerator/denominator

Population/Cohort

Children, team specification, numerator/denominator





Accomplishments-Overview

Patient and Team-member

Engagement and activation

Communication, Training, Education

Training, point of service education

Aim and Integration

Pilot Test, champions, scale and spread

Technology

Registry, decision support, dashboard, Instrument

Transparency and Public Reporting

Feasible, valid, reliable- relevant measures



What were the main challenges that needed to be overcome?

Culture and Practice

- Culture
 - new responsibilities,
 - accountabilities,
 - processes,
 - rewards.
- Normative practice
 - modification,
 - addition,
 - subtraction.

Re-defined roles, re-aligned incentives may spark fear, powerlessness, loss of control or autonomy



What were the main challenges that needed to be overcome?

Improving Oral Health Through Measurement

Communication

- Legacy systems, thinking, acquisition, adjustment to re-engineered technology and new methodologies.
- Calibration constancy, consistency education, understanding and interpretation.



The key strategies included:

Mission, Communication, Alignment and Leadership

- Mission serves as the foundation
 - For all communication, messages and meetings.
 - Meetings begin with a recitation of the mission; all discussion aligns to the purpose.
 - Leadership champions quality functions that vets strategy and protocols to monitor processes.



The key strategies included:

Team

Training

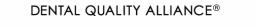
- To know and understand the what, why, when, where, and how.
- Understand project role and team responsibilities

Cross-functional

- Mission-aligned
- Purposefully diverse.

Inclusive

- Every idea valued,
- Respectful debate is encouraged,
- Every voice is dignified and counts.



Personalized Care: Caries Risk Assessment Patient Registry

Key Take-Aways

Voice Mission Team



Personalized Care: Caries Risk Assessment Patient Registry

Every Voice Counts

- Build an inclusive culture
- Cross-functional, mission-aligned, diverse teams

"There are no inferior jobs in any organization. No matter what the assigned task, if it is done well and with dignity, it contributes to the function of everything around it and should be valued accordingly by all".

C H. Mayo



Personalized Care: Caries Risk Assessment Registry

Mission Rewards Incentives

- Collective engagement
- Collaboration
- Core values

"I'm often quoted as saying, 'No money, no mission. 'That's true but remember the rest of it: 'No mission, no need for money."

Sister

Generose Gervais





Personalized Care: Caries Risk Assessment Patient Registry

Team

- Communication
- Clarity
- Accountability



" If you want to go fast, go alone.

If you want to go far, go together."

African Proverb

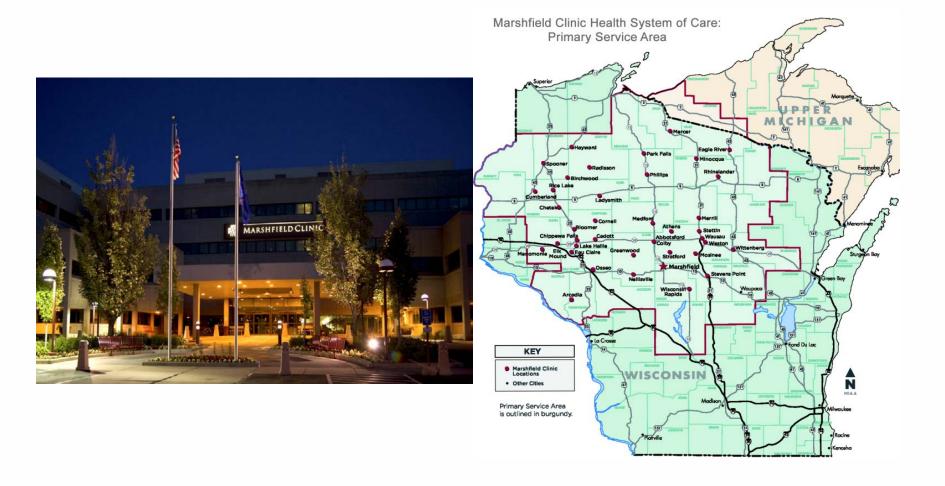
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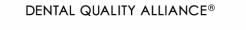


Establishment of a Quality Improvement Culture at a Large FQHC Dental Practice in Rural Wisconsin



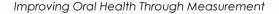
Marshfield Clinic Health System





Oral Quality Improvement Initiative Summary

- Level of Implementation: 10 FQHC Dental Centers within the Marshfield Clinic Health System operated by Family Health Center of Marshfield, Inc. (FHC) in Wisconsin
- Target Populations: Patients seeking dental care at Marshfield Clinic Dental Centers
- Improvement Goal
 - Establish an oral health quality improvement culture among dental providers and staff;
 - Understand health system's baseline oral health data around few quality measures;
 - Develop a dental quality analytics dashboard to monitor practice changes in near real time;





Key Elements

- Essential Partners
 - o Family Health Center of Marshfield, Inc.
 - o Marshfield Clinic
 - Marshfield Clinic
 Research Institute
 - Delta Dental of Wisconsin
- Measurement Data Source
 - o Electronic Health Record
 - o Dental Practice Data
 - Enterprise DataWarehouse

Key Measures

- Sealants for 6 9 year olds
- Sealants for 12 15 year olds
- Fluoride Varnish for 0 –20 year olds
- Adult/Child Recall Success
- o New Caries
- Treatment PlanCompletion
- o Productivity/Charges
- o Visits/Procedures
- o No Shows





2002: Operationalizing the Surgeon Generals' Pronouncement

"Oral Health is Essential to General Health and Well-being"



Mr. Greg Nycz
Executive Director
Family Health Center of Marshfield, Inc.
Marshfield Clinic Health System

Our Destination: 100% access to high quality services and Zero health disparities

Our Strategy: Develop a plan capable of delivering us to our final destination

Family Health Center of Marshfield, Inc. Planning Horizon: 10 to 20 years



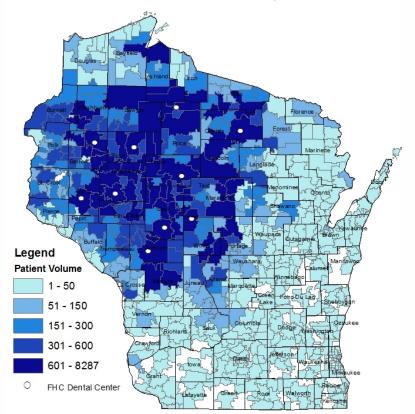




Fiscal Year	# of Unique Patients
2007	12,504
2008	19,192
2009	24,138
2010	30,680
2011	40,114
2012	46,346
2013	44,233
2014	49,389
2015	51,485
2016	54,896
2017	58,894
2018	58,932

164,642 Patients Treated by Family Health Center Dental Operations

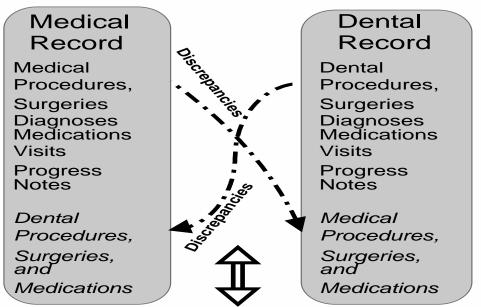
November 2002 - June 30, 2018





Integrated Care Models & Electronic Medical-Dental Health Records

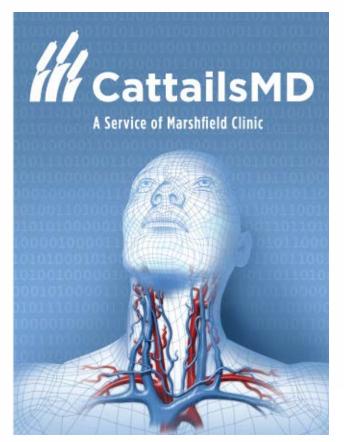
Health Records in Silos
Can Compromise Quality and Safety
through Inconsistencies/Discrepancies



Reports relayed (informally) by patients Databases (patient records, paper or EHRs) not synchronized



Integrated Medical-Dental EHR Environment at MCHS









Integrated Medical-Dental Enterprise Data Warehouse

- Comprehensive data warehouse, supporting business and research queries
- Contains about 10 million patient years of data

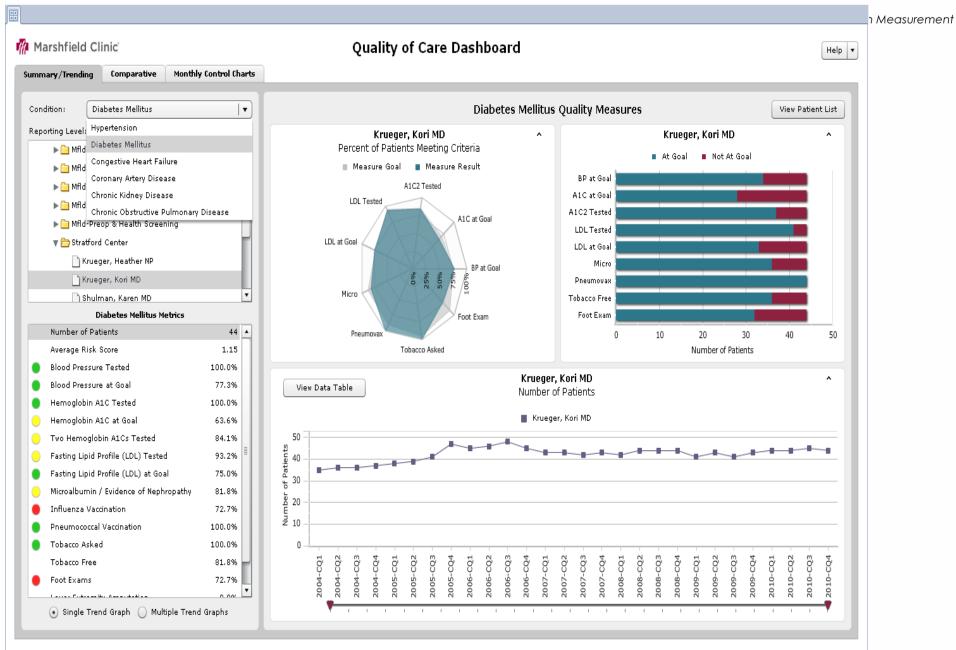




Quality Improvement Initiative in Medicine

- Marshfield Clinic was 1 of 10 large Physician Group Practice invited by CMS → prove that providing high quality coordinated health care could also save \$
- In the last year of the PGP Demo, Marshfield Clinic last year exceeded 98 percent of the quality measures;
- Saved > \$118 million over the 5 performance years reported to Medicare program;







Key Drivers

- Physician Group Practice demonstration;
- Accountable Care Organization (ACO);
- Integration of oral health with the overall health + improving quality of oral health provided; and
- Oral health quality improvement culture.



Key Strategies - 1

QI Steering Committee

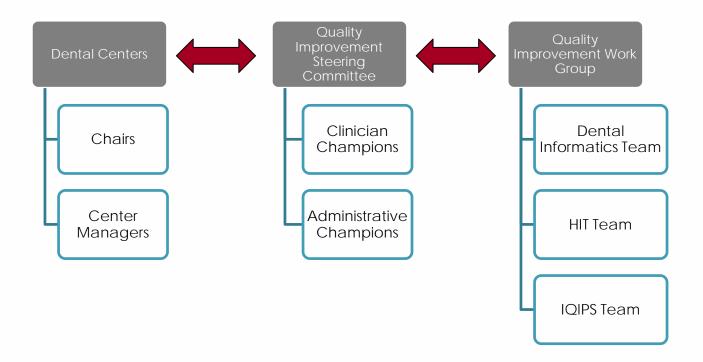


to evaluate the quality and appropriateness of care delivered to patients and to ensure a safe and compliant environment for patient care

intended to identify and improve any deficiencies in care, thus enforcing consistent standards of care and treatment across the institution

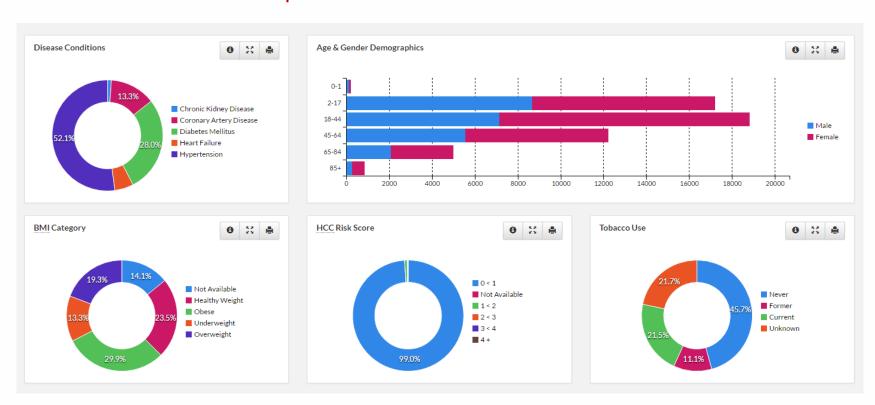


Representation across System





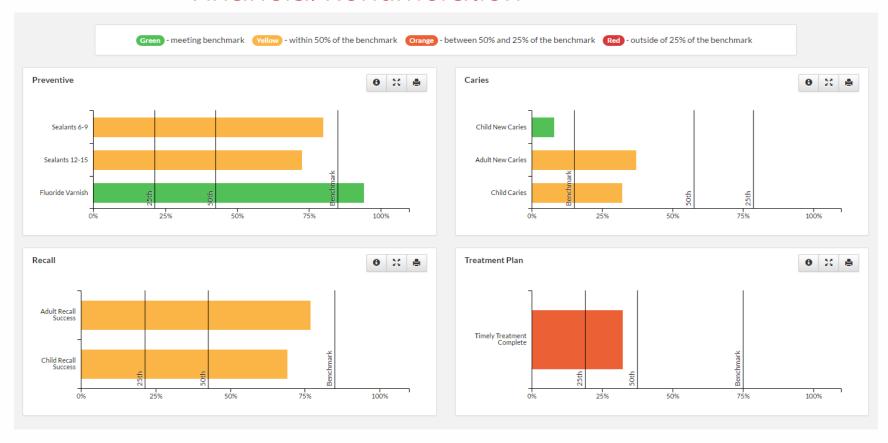
 Dental quality analytics dashboard tool to monitor + interact with practice level data;







Financial Renumeration





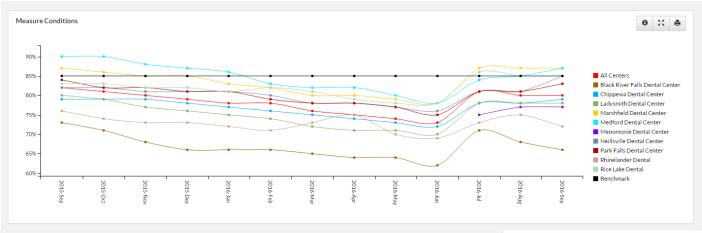
Practice Transparency

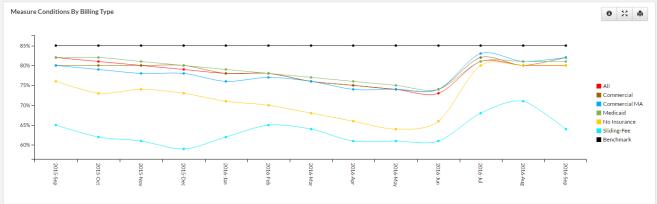


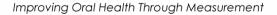
Source: http://sciencenewsjournal.com/increase-teams-success-financial-incentive-friendly-competition/



Identify and Share Best Practices and Trends









Challenges

- Initial lack of engagement among the provider group to engage in the initiative.
- Addressing practice level situations (e.g., parents or guardians refusing sealant application for their children) thereby negatively impacting the providers' performance measures.
- Displaying accurate financial data which capture dynamic changes associated with charge reversals and other adjustments.
- Identifying and prioritizing the informatics and IT resources required for the initiative among the several initiatives across the health system.





Overall Impact

- All ten FHC dental centers across MCHS have embraced the initiative;
- More than 80 dental providers (40+ dentists and 40+ dental hygienist) and 20 administrators have become more aware of the clinical and operational performance data that are reported within DQAD;
- Visualizing the DQAD data has become a routine and effective practice to discuss key practice level concerns or targeted improvements in monthly center and system-wide meetings;
- Historic dental practice data are now available for most of the dental measures implemented going back to 2010;
- The next phase of the initiative will target key improvement on all the quality measures implemented across the system;



Acknowledgements

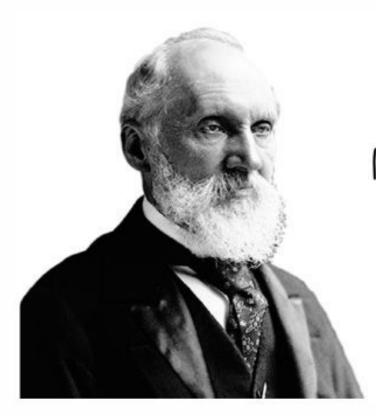












To measure is to know.

If you can not measure it, you can not improve it.



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[&]quot;Evaluating the Quality of Medical Care". Donabedian D



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