The Anatomy of Collaborative Improvement

Greta L. Krapohl PhD, RN
Lieutenant Colonel, U.S. Army (Retired)
Acknowledgment: The MSQC Team
Agenda

• Introduction
• Dissection of the MSQC ‘Quality Space’
  – Strong Data
  – Safe Data
  – Travel the blue highways
  – Be deviant (positively)
  – Innovate
  – Measure outcomes and improvement
  – Trust
  – Focus
  – Kick the tires

• Putting it all back together
• Conclusion Q&A
Strong Data

Executive Summary 2014

Any Morbidity Ranking*

Any Morbidity by Procedure*

Sepsis (All)

Surgical Site Infection*

Length of Stay (LOS)

Readmissions and ED Visits*

*Date Range: 07/01/12 - 06/30/14
• Definitions
  – Specimen weight
  – Postoperative normothermia
• Failure to Rescue
Examples

• Inter-rater Reliability- measurement to assess the degree to which different people agree in their assessment decisions.

• Validity- measuring what we are supposed to be measuring
Accuracy of Smartphone Applications and Wearable Devices for Tracking Physical Activity Data
Meredith A. Case, BA1; Holland A. Burwick2; Kevin G. Volpp, MD, PhD3; Mitesh S. Patel, MD, MBA, MS3

Discharges starting October 1, 2014:

Understanding the Hospital-Acquired Condition Reduction Program

Beginning in FY 2015, the Hospital-Acquired Condition (HAC) Reduction Program, mandated by the Affordable Care Act, requires the Centers for Medicare & Medicaid (CMS) to reduce hospital payments by 1 percent for hospitals that rank among the lowest-performing 25 percent with regard to HACs.

Hospital-Acquired Conditions are defined as: Conditions that patients acquire while receiving treatment for another condition in an acute care health setting.

Reduce hospital payment by 1% for hospitals that rank among lowest performing 25%
NIH roadmap could benefit from “blue highway” or practice-based research that connects major academic centers to rural areas.
Be Deviant (Positively)

MSQC follows the principles of “positive deviance” as an approach to identify practices that improve healthcare quality.

Research in action: Using positive deviance to improve quality of health care
Elizabeth H Bradley, Leslie A Curry, Shoba Ramanadhan, Laura Rowe, Ingrid M Nembhard and Harlan M Krumholz
Total Episode Payment vs. Sepsis-All by Hospital
Non-Emergent Colorectal (22 CPT codes), MSQC & MVC 2012-2013

- High Cost & Low Sepsis
- High Cost & High Sepsis
- Low Cost & Low Sepsis
- Low Cost & High Sepsis

Payment (Standardized $)

Sepsis-All (adj %)

- 95% Confidence Limits
- 80% Confidence Limits
- Regression
- 80% Prediction
- 95% Prediction
Speaks to the need for innovation in healthcare and breaking the dogma in medicine.

Measure Performance and Improvement
Kick the tires
Osborne NH, Nicholas LH, Ryan AM, Thumma JR, Dimick JB

Association of Hospital Participation in a Quality Reporting Program With Surgical Outcomes and Expenditures for Medicare Beneficiaries

JAMA 2015;313(5):496-504
Summary

Dissection of the MSQC ‘Quality Space’

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I have always thought of our collaborative as an organization that will “help you do what you do better.”
Celebrating 10 Years of Collaboration

Michigan Surgical Quality Collaborative

Questions?