Surviving MI an acc quality initiative

June 26, 2014



Speaker Bio



Henry H. Ting, MD, MBA, FACC

- · Professor of Medicine
- Associate Dean, Mayo Clinic College of Medicine
- Director, Mayo Clinic Quality Academy

Effective July 2014

Senior Vice President and Chief Quality
 Officer, New York-Presbyterian Hospital, The
 University Hospital of Columbia and Cornell



Speaker Bio

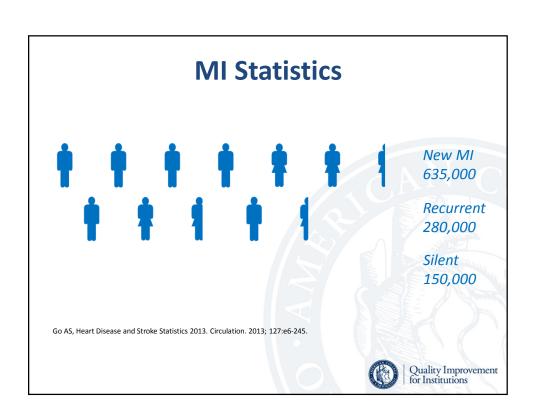


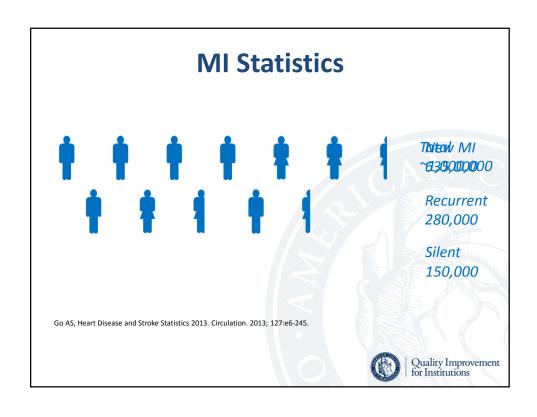
MaryAnne Elma, MPH
Director, Quality Improvement Solutions
American College of Cardiology

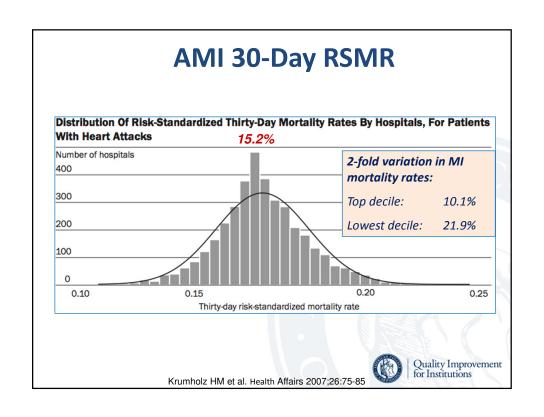
In her 15 years at the ACC, MaryAnne has led efforts that bring evidence-based medicine into the field with practical solutions using social marketing practices and information design. She oversees a portfolio of QI implementation programs, including the Hospital-to-Home (H2H) Initiative, Surviving MI Initiative, Clinical Tools — and the ACC's new Quality Improvement for Institutions program.

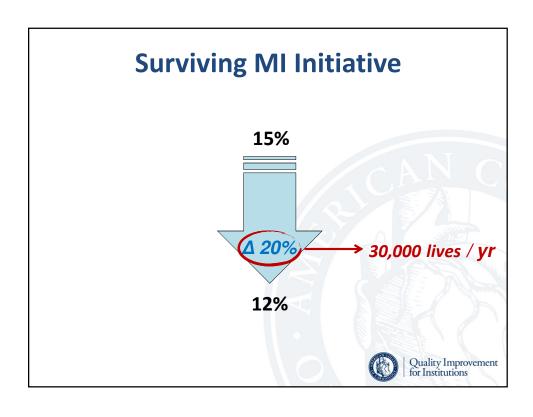
MaryAnne received her BA from Bucknell University and Masters in Public Health at the Johns Hopkins University School of Public Health.

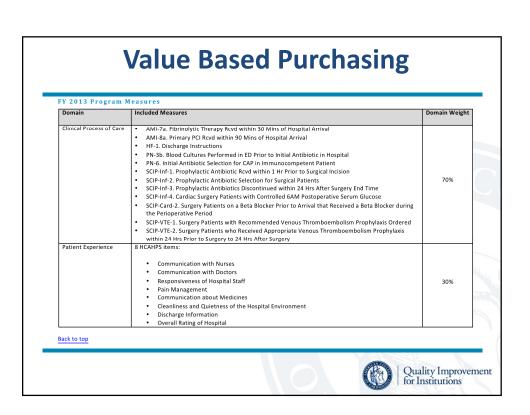












Value Based Purchasing

FY 2014 Program Measures				
Domain	Included Measures	Domain Weight		
Clinical Process of Care	Same as FY 2013 with one addition:	45%		
	SCIP-Inf-9. Postoperative Urinary Catheter Removal on Post-Operative Day 1 or 2			
Patient Experience	Same as <u>FY 2013</u>	30%		
Outcomes	AMI 30-day Mortality Rate HF 30-day Mortality Rate Pneumonia 30-day Mortality Rate	25%		
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Background

Original Research

IMPROVING PATIENT CARE

What Distinguishes Top-Performing Hospitals in Acute Myocardial Infarction Mortality Rates?

A Qualitative Study

Leslie A. Curry, PhD; Erica Spatz, MD; Emily Cherlin, PhD, MSW; Jennifer W. Thompson, MPP; David Berg, PhD; Henry H. Ting, MD, MBA; Carole Decker, RN, PhD; Harlan M. Krumholz, MD, SM; and Elizabeth H. Bradley, PhD

Infarction (AMI) vary : justed for patient seve factors that may influe

Objective: To Identify formance in AMI care

Design: Qualitative

Setting: Eleven U.S. bettern 6% in rick ste

Participants: 158 me

Measurements: Site vi hospital staff during 20 yses by using the cons

Original Research

IMPROVING PATIENT CARE

Hospital Strategies for Reducing Risk-Standardized Mortality Rates in Acute Myocardial Infarction

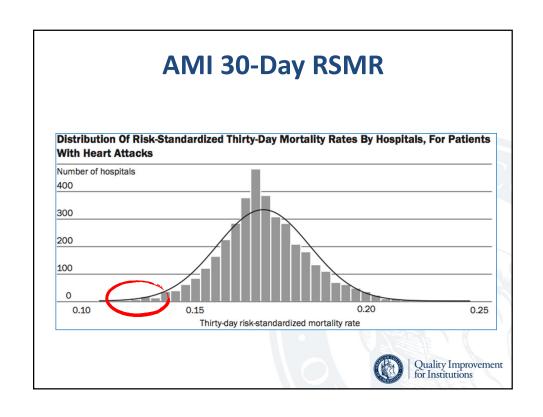
Elizabeth H. Bradley, PhD; Leslie A. Curry, PhD, MPH; Erica S. Spatz, MD, MHS; Jeph Herrin, PhD; Emily J. Cherlin, MSW, PhD; Jeptha P. Curtis, MD; Jennifer W. Thompson, MPP; Henry H. Ting, MD, MBA; Yongfel Wang, MS; and Harlan M. Krumholz, MD, SM

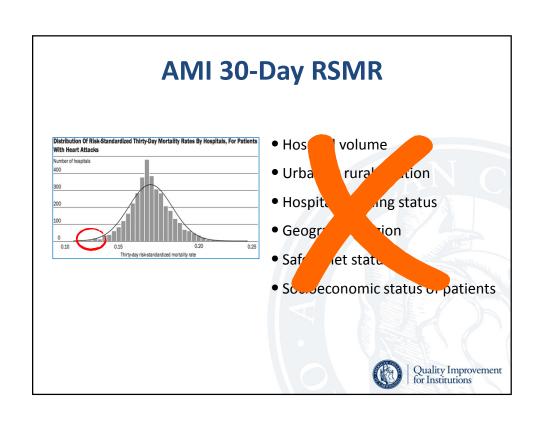
Background: Despite recent improvements in survival after acute myocardial infarction (AMI), U.S. hospitals vary 2-fold in their 30-day risk-standardized mortality rates (RSMRs). Nevertheless, information is limited on hospital-level factors that may be associated with RSMRs.

Objective: To identify hospital strategies that were associated with

Design: Cross-sectional survey of $5\!\!\mid\!\!37$ hospitals (91% response rate) and weighted multivariate regression by using data from the Centers for Medicare & Medicaid Services to determine the associations between hospital strategies and hospital RSMRs.

strategies included holding monthly meetings to review AMI cases between hospital clinicians and staff who transported patients to the hospital (RSMR lower by 0.70 percentage points), having cardiologists always on site (lower by 0.54 percentage points), fostering an organizational environment in which clinicians are encouraged to solve problems creatively (lower by 0.84 percentage points), not cross-training nurses from intensive care units for the cardiac catheterization laboratory (lower by 0.44 percentage points), and having physician and nurse champions rather than nurse champions alone (lower by 0.88 percentage points). Fewer than 10% of hospitals reported using at least 4 of these 5 strategies.





Key Themes of Top Performers

- 1. Organizational values and goals
- 2. Senior management involvement
- 3. Broad staff engagement & expertise in AMI care
- 4. Communication & coordination among groups
- 5. Problem solving and learning



Key Themes of Top Performers

2. Senior management involvement

- "this is not acceptable and this is where we need to go, what do you need to get this done"
- "we use quality data to make strategic planning and resource allocation decisions"
- "accountability for low performers and recognition for high performers"
- "I have been here 7 years, and this is the third CEO, the second medical director, and third VP of nursing"



Key Themes of Top Performers

3. Broad staff engagement & expertise in AMI care

- "empowered physician and nurse champions"
- "a nurse started writing notes in physician progress note section – this is my assessment...I want you to read it, it's not in the nurse's section...I have some ideas and am open to talk about it"
- "there are no physicians on the committee...and they try to implement changes...and get it wrong"
- "cardiologists are little bit like bears and not the kindest, if a nurse calls about meds, they say I gave you orders, why are you calling me again?"

 | Quality Improvement | Quality Improve

Strategies Associated with Lower MI Mortality

Strategy associated with lower RSMR	% Points Decrease in RSMR
Physician AND nurse champions for AMI care	0.88
Organizational culture that supports creative problem solving	0.84
Monthly meetings with EMS to review AMI cases	0.70
Cardiologists on site 24/7 (including fellows)	0.54
Nurses are not cross trained from ICU for the cardiac catheterization laboratory	0.44
Pharmacists round on all patients with AMI	0.41

Bradley EA, Ting HH. Annals Intern Med. 2012; 156:618-626



for Institutions

Strategies Associated with Lower MI Mortality

Strategy associated with lower RSMR	% Points Decrease in RSMR	% Hospitals Using Each Strategy
Physician AND nurse champions for AMI care	0.88	43
Organizational culture that supports creative problem solving	0.84	40
Monthly meetings with EMS to review AMI cases	0.70	15
Cardiologists on site 24/7 (including fellows)	0.54	14
Nurses are not cross trained from ICU for the cardiac catheterization laboratory	0.44	82
Pharmacists round on all patients with AMI	0.41	35

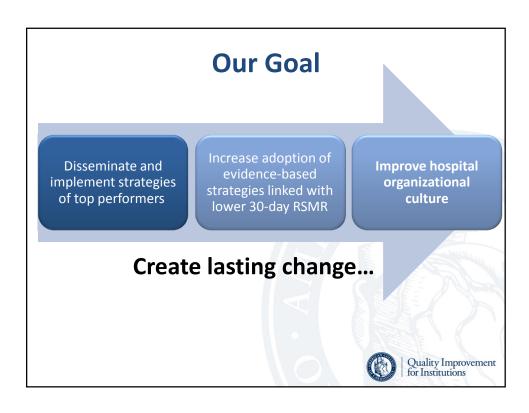
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These strategies work!

Key strategies affect the whole hospital and different members of the care team including physicians, nurses, pharmacists and hospital administrators.





How We'll Measure Success

- At least 350 ARG hospitals by June 2016
- Adoption of at least 2 implementation strategies by 80% of all participants
- **100**% of total hospitals monitoring 30-day RSMR for AMI patients
- Reduction in 30-day RSMR for AMI patients over time



What "Participate" Means



What "Participate" Means

- 1. Ability to collect and report in-hospital MI mortality
- 2. Active with Quality Improvement for Institutions
- 3. Has quality improvement team available
- 4. Participate in webinars and community calls
- 5. Complete online self-assessments
- 6. Implement at least 2 strategies or tools
- 7. Share your story online
- 8. Post to the listserv



What "Participate" Means

- 1. Ability to collect and report in-hospital MI mortality
 - Quarterly
 - Using any data source
 - o ACTION-Get With the Guidelines Registry
 - Health system reports
 - Hospital self-reported report





What "Participate" Means

- 2. Activate with Quality Improvement for Institutions
 - ACC program integrating registries, initiatives, and toolkits under one umbrella
 - Website to access Surviving MI Initiative resources
 - Free for NCDR hospitals
 - Non-NCDR hospital have a \$5K fee

Program Website: CVQuality.acc.org/SurvivingMI

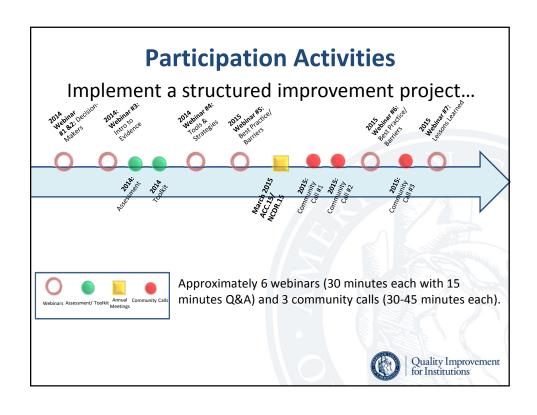


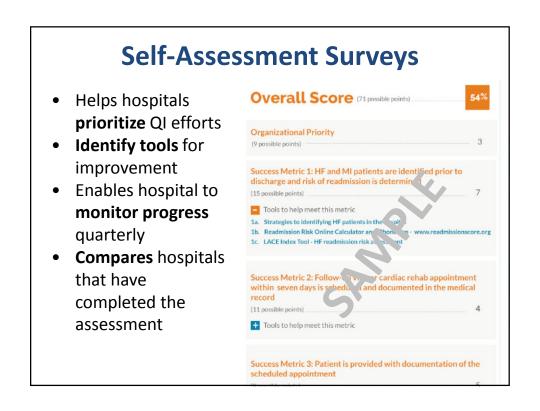


What "Participate" Means

- 3. Has a quality improvement team available
 - Clinical and administrative cardiovascular and quality organizational leadership
- 4. Participate in webinars and community calls
- 5. Complete online self-assessments
- 6. Implement at least 2 strategies or tools
- 7. Share your story online
- 8. Post to the listserv







Change Culture to Change Care

Today

 Improvement is possible:
 There are known evidencebased strategies you can adopt

Tomorrow

 Sustainable change: Changing culture will improve other patient outcomes



Your Next Steps

- 1. Have your baseline in-hospital MI mortality
- 2. Activate your ACC Quality Improvement for Institutions account
- 3. Confirm your quality improvement team
- 4. Tune in for the next webinar in Fall 2014: "Introduction to Evidence"
- 5. Visit CVQuality.acc.org/SurvivingMI for more resources on Getting Started





The Quality Improvement for Institutions program combines the ACC's NCDR data registries with toolkits and proven hospital-based quality improvement initiatives like Hospital to Home, the D2B Alliance and Surviving MI.

Release the power of your data at CVQuality.acc.org.



