

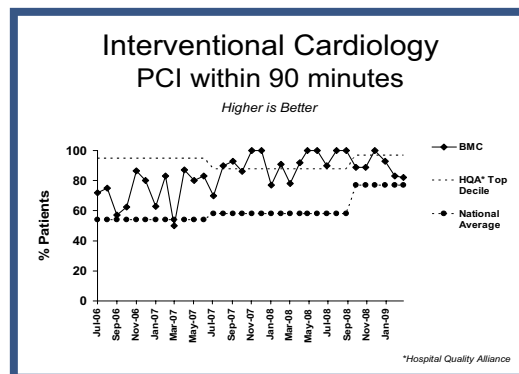
EVIDENCE-BASED ACUTE MYOCARDIAL INFARCTION CARE

Where we've been...

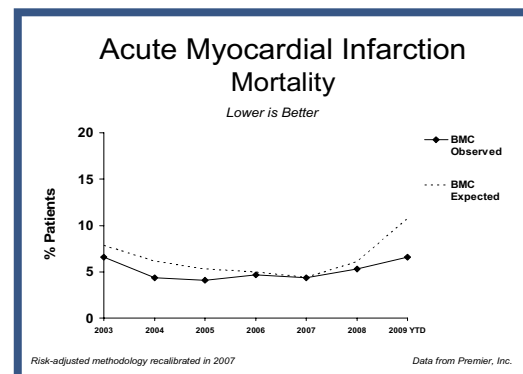
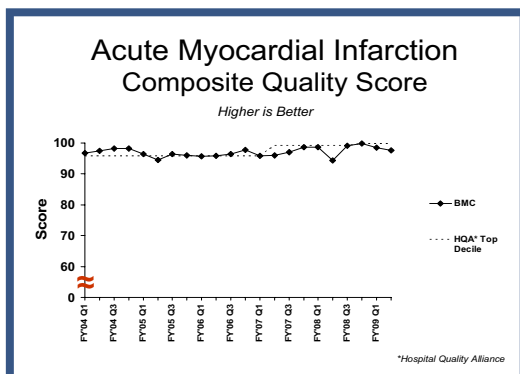
Delivering Reliable, Evidence-Based Care for Acute Myocardial Infarction (AMI) Since 2004, all Baystate Health facilities have been participating in the Hospital Quality Alliance (HQA) to ensure that every patient who comes to BH with an acute myocardial infarction receives all appropriate interventions to reduce morbidity and mortality.

Where we are now...

BAYSTATE HEALTH AMBULANCE Decreasing the time from when an emergency call is received to when the patient receives definitive care is absolutely essential to long term survival and quality of one's life after a heart attack. Baystate Health Ambulance has developed a system to facilitate decreasing the door-to-reperfusion times for patients having a possible ST elevation MI (STEMI), through an early recognition and notification system. Several interventions have been put into place pre-hospital, including obtaining a 12-lead ECG with interpretation on all chest pain complaints within 10 minutes of patient contact, as well as completing a thrombolytic screen. When a possible STEMI is identified, the emergency department and the interventional cardiology team are contacted. This provides time to prepare and assemble the appropriate personnel for potential thrombolytic or primary percutaneous cardiac intervention. The system helps to decrease time-to-treatment by having key personnel on hand when the patient arrives at the hospital. In conjunction with BMC, this process change has helped to improve the door-to-balloon time to 60 minutes, which puts BMC in the top 10% of hospitals in the country. The national target for door-to-balloon is ≤ 90 minutes. This continues to be an area of intense focus.

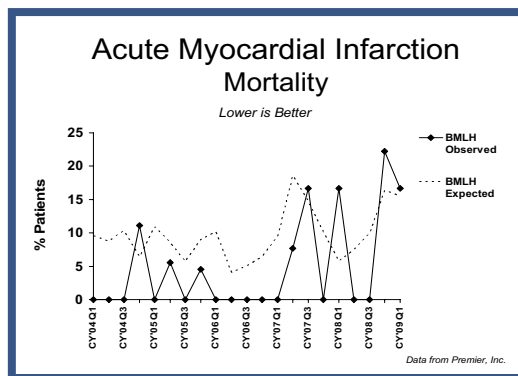
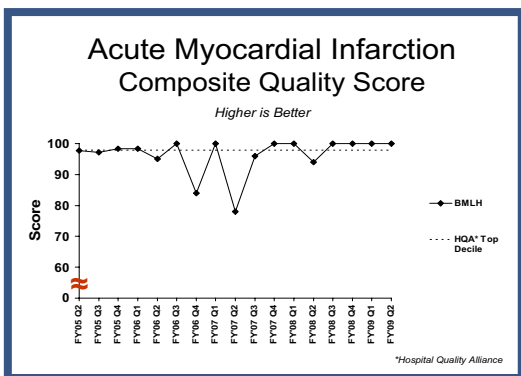


BAYSTATE MEDICAL CENTER Interventions include the reliable use of aspirin and beta blocker medications on admission and at discharge, ACEi/ARB medications for patients with reduced ejection fraction, timely access to reperfusion (clot buster medication or angioplasty), and smoking cessation counseling. The “composite” score represents overall quality (how well BMC reliably provides all appropriate care). Currently, 98% of patients with AMI received every recommended intervention. BMC has consistently been recognized nationally as a top performer in AMI care, with lower than expected mortality and high composite scores. This has resulted in BMC's AMI mortality being less than expected, one of only 131 hospitals nationally to achieve this rating out of 4,609 hospitals in the U.S.

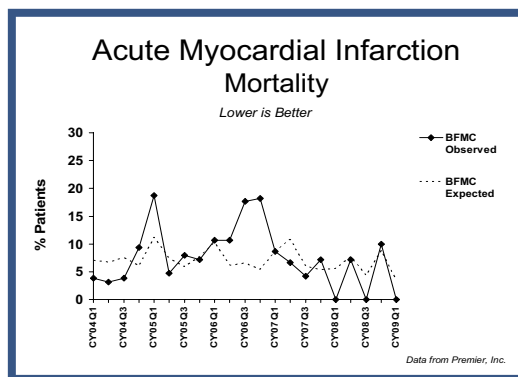
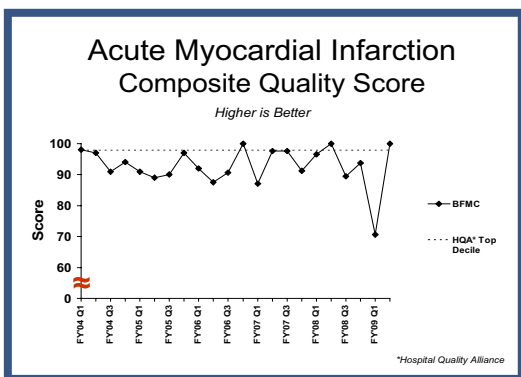


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BAYSTATE MARY LANE HOSPITAL Interventions include the reliable use of aspirin and beta blocker medications on admission and at discharge, ACEi/ARB medications for patients with reduced ejection fraction, timely access to reperfusion (clot buster medication or transfer for PCI), and smoking cessation counseling. BMLH has implemented a cardiac care worksheet containing all the treatments for coronary presentations. The worksheet is used in the ER as a guideline for initiating cardiac-related treatments, documenting rationale why an intervention is not appropriate, or facilitating the decision to transfer. Current performance demonstrates that 100% of patients with AMI received every recommended intervention.



BAYSTATE FRANKLIN MEDICAL CENTER Interventions include the reliable use of aspirin and beta blocker medications on admission and at discharge, ACEi/ARB medications for patients with reduced ejection fraction, timely access to reperfusion (clot buster medication or transfer for PCI), and smoking cessation counseling. BFMC uses the “Quitworks” program to improve the process of reaching each patient in need of smoking cessation counseling. In addition, the appropriate service line team reviews all “misses” in order to identify opportunities for improvement.



Where we are going...

Baystate Health’s work around AMI is key to providing quality care and building statewide regionally-based cardiovascular care models to ensure optimal cardiac care is available to the population of western Massachusetts.