

PATHWAY TO SUCCESS!

IMPLEMENTING A CLINICAL PATHWAY TO IMPROVE SICU CABG OUTCOMES

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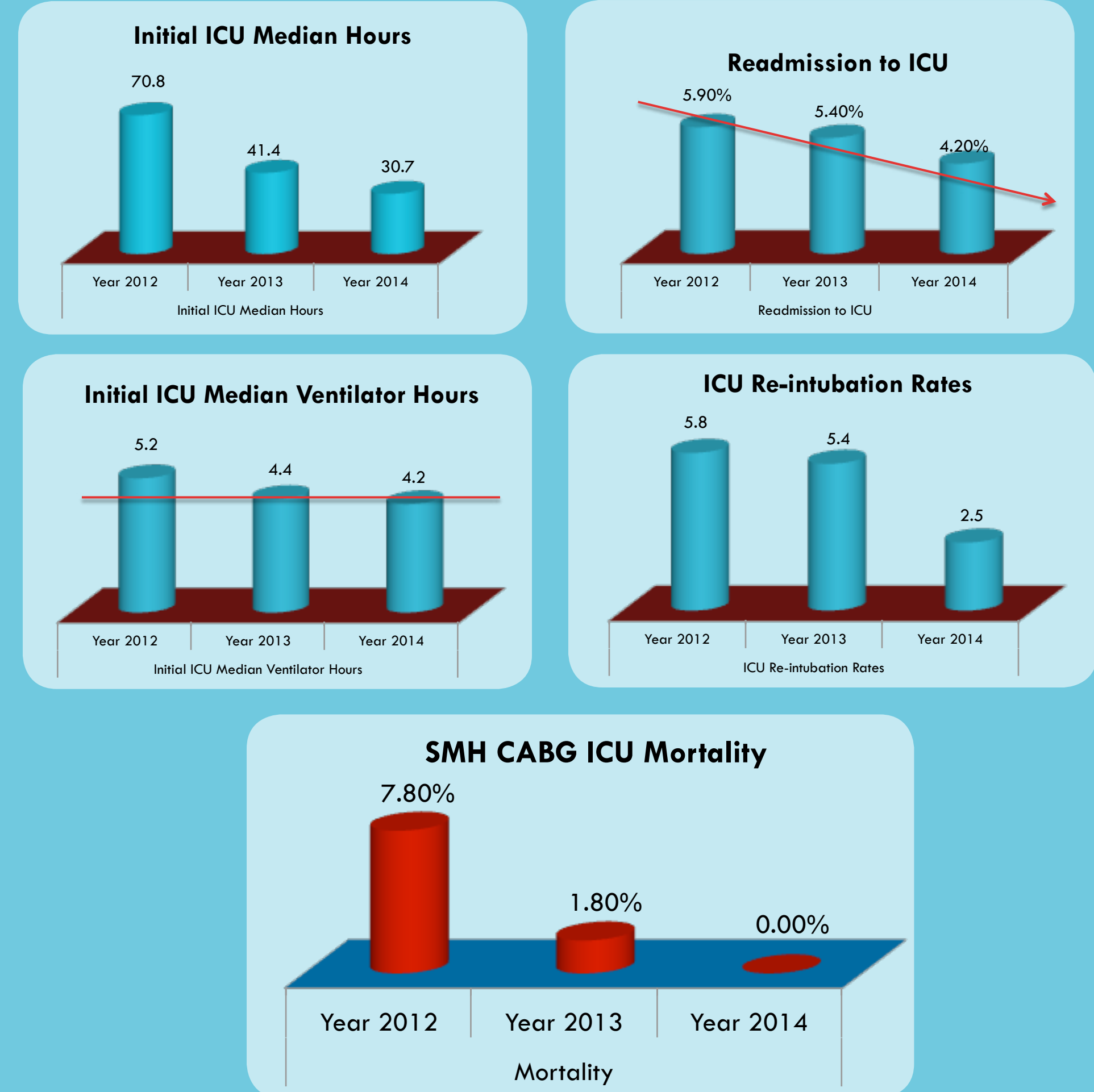
Background

- Prolonged stay in the Intensive Care Unit (ICU) is associated with high mortality, morbidity and costs, with respiratory problems as the leading complication
- The Society of Thoracic Surgeons (STS) is a national reporting database that benchmarks South Miami Hospital (SMH) Critical Care on the following indicators:
 - ICU length of stay (LOS) <48 hours
 - Ventilator Time <6hours.
- ICU CABG Length of stay in 2011 was 75 hours.
- Median Ventilator time was 4.8 Hours.
- This prompted a need to develop a guideline for all disciplines involved in the care which lead to improvements in patient care, utilization of resources and outcomes.

Key Stakeholders

- Critical Care Department
- Respiratory Therapy Department
- Pharmacy Department
- Baptist Health Cardiac & Thoracic Surgical Group
- SMH CT Surgery Taskforce Committee Members
- Physical Therapy Department
- Cardiac Rehabilitation Department
- Dietary Department

Society of Thoracic Surgeons (STS) Adult Cardiac Surgery Database Isolated CABG ICU Data



Goals

- Develop and implement an evidence-based post cardiac surgery clinical pathway to improve coordination of care, utilization of resources and patient outcomes.
- Successful outcomes are defined as:
 - CABG ICU LOS <48 hours
 - CABG Ventilator Time < 6 hours with an internal stretch goal of <4 hours.

Methods

PLAN
OCT. 2012

- Establish an interdisciplinary team of surgeons, ARNPs, pharmacists, nurses, rehabilitation specialists and respiratory therapists.
- Set clear daily goals from immediate post-operative time until discharge.
- Develop a Cardiac Surgery Clinical Pathways
- Designate a dedicated step-down area for post open heart patients

DO
MAY 2013

- Designate CCU as the step-down unit for post open heart patients
- Educate the Critical Care Staff on pathways
- Educate the Critical Care Nurses on care of the post open heart patient in the ICU and Step-down unit.
- Create a clinical dashboard to trend patient data and outcomes.

CHECK
JUN. 2013 - PRESENT

- Monitor compliance with utilization of Clinical Pathway via daily chart audits by leadership team.
- Assess patient tolerance and adherence to the pathway daily with the Critical Care team during Interdisciplinary Rounds.
- Discuss unit progress and outcomes monthly at the SMH Cardiac Surgery Taskforce meeting

ASSESS
NOV. 2013 - PRESENT

- Utilizing the SICU Cardiac Surgery Clinical Pathway on CABG patients led to positive patient outcomes by eliminating variations in care.
- Based on this success, it was decided that other Cardiac Surgery patients would benefit from the pathway and the population was extended to include Valves and Combined CABG/Valve Procedures.

Phase	Objective Day 1	Objective Day 2	Objective Day 3
Admission	<ul style="list-style-type: none"> 1. Review patient history and physical 2. Review lab and imaging studies 3. Review current medications 4. Review patient allergies 5. Review patient consent 6. Review patient education 7. Review patient goals 8. Review patient care plan 	<ul style="list-style-type: none"> 1. Review patient history and physical 2. Review lab and imaging studies 3. Review current medications 4. Review patient allergies 5. Review patient consent 6. Review patient education 7. Review patient goals 8. Review patient care plan 	<ul style="list-style-type: none"> 1. Review patient history and physical 2. Review lab and imaging studies 3. Review current medications 4. Review patient allergies 5. Review patient consent 6. Review patient education 7. Review patient goals 8. Review patient care plan
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Vital Signs	<ul style="list-style-type: none"> 1. Review patient vital signs 2. Review patient allergies 3. Review patient consent 4. Review patient education 5. Review patient goals 6. Review patient care plan 	<ul style="list-style-type: none"> 1. Review patient vital signs 2. Review patient allergies 3. Review patient consent 4. Review patient education 5. Review patient goals 6. Review patient care plan 	<ul style="list-style-type: none"> 1. Review patient vital signs 2. Review patient allergies 3. Review patient consent 4. Review patient education 5. Review patient goals 6. Review patient care plan
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