Successful Reduction of Maternal Mortality and Morbidity, Utilizing Simulation

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Who We Are

- 436 bed, non profit acute hospital
- Serves the diverse ethnic and cultural community from the Eastern Los Angeles and Western San Bernardino Counties
- Women’s Center has approximately 5,000 deliveries a year
- Women’s Center offers a full range of family birth services including state of the art birthing suites, a dedicated OB Operating Suite staffed 24/7 for obstetrical surgical cases, a Comprehensive Diagnostic Perinatal Center, a High-risk Perinatal Unit, a Neonatal Intensive Care Unit, and other advanced services.
- TJC Perinatal Center of Excellence
How we are doing it

• Annual mandatory training for 240 nursing staff
• Multidisciplinary team involvement: Nursing, Obstetricians, Anesthesiologist, OB residents
• Scheduled at least twice a month : 8 hour class
• In situ: L&D room, Postpartum room or WC OR
• Using our own supplies and equipment
• Scenarios tailored to specific specialty: PP vs L&D audience
• Realistic: scenarios based on actual cases
• Actual roles played, Exception: role of family member
What We’ve Learned.....
Communication is Key
Our Findings

- No standardized treatment
- Work Flow Challenges for staff
- Challenges with equipment/ treatment supplies
Our Findings

- Work flow challenges: Obtaining Hemorrhage Drugs
Improvements Made

• Worked with other departments to improve work flow
  - Hemorrhage Kit
  - Code Crimson Alert: WC, Lab, Blood Bank
Improvements Made

• Development of Emergency Checklists
Improvements Made

- Created a Hemorrhage Cart for each patient care station
Outcomes

- Patients requiring Critical Care after delivery: average of 38 patients a year to 24 in 2018
- Units of blood transfusion: average of 103 units per year to 67 in 2018
- Patients receiving > 4 units of blood: average of 14 per year to 7 in 2018
- Patients going back to OR after delivery: average of 9 per year to 7 in 2018
- NTSV C/S rate in 2018: 17.7%
- Episiotomy rate in 2018: 7%
Partnered with HASC
Lost Mothers: Maternal Mortality In The U.S.

To Keep Women From Dying In Childbirth, Look To California

The Last Person You’d Expect To Die In Childbirth

Bethany Mollenkof for NPR

Courtesy of the Bloomstein Family