DEVELOPMENT OF CODE-OB RAPID RESPONSE TEAM

NINA D. WILLIAMS

DR. JILL PARKER- CHAIR
Problem Identification

Every minute a woman dies from complications related to pregnancy or childbirth. According to the World Health Organization, the United States continues to rank poorly compared to other countries. Evidence and data have shown that up to 50% of maternal deaths reported could have been Prevented!
Obstetric Rapid Response Team

Define
Labor & Delivery Unit
Delivers 5,000 babies each year having an increase in obstetric emergencies. An Obstetric Rapid Response Team is warranted.

Measure
Three maternal mortality deaths in the past 3 years & increased maternal morbidity ICU admissions.

Analyze
Currently there is no designated and organized Obstetric Rapid Response Team.

Improve
Team response
Team effectiveness
Reduction in maternal mortality & morbidity

Control
Quarterly in-situ drills with competency check-off
Annual validation by Computer Based Learning

Needs Assessment

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Theoretical Framework

Patricia Benner’s Theory of Skill Acquisition

Competent, Proficient, & Expert Nurses

Intuitive Decision Making Application for practical knowledge & experience

Development of Obstetric Rapid Response Team

LDR Staff participating in In-situ drills related to Obstetric Emergencies

Obstetric Rapid Response Team Members demonstrating increased confidence & roles and responsibilities

Knowledge Skill Competency Evaluation & Validation

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Literature Review

Roles & Responsibilities of team members:
- Ensures continuity of practice during an emergency

Preparing for Obstetric Emergencies:
- Focused patient-oriented outcomes
- Reduce ICU admission rates, maternal morbidity and mortality

TeamSTEPPS:
- Optimal outcomes when emergencies arise improving performance, knowledge, communication, and confidence.

Increase Response Time to emergencies:
- Initiate evidence-based practice approaches to improve outcomes and overall quality of life for mothers and their families (Clapp, 2015).

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Best Practice Selection

ACOG
American College of Obstetricians
And Gynecologists

AWHONN
Association of Women’s Health
Obstetrics & Neonatal Nurses
Goals

• Implement and develop a Quality Improvement Project of an Obstetric Rapid Response Team
• Improve confidence and knowledge of staff during management of Obstetric Emergencies
• Validate staff’s confidence and knowledge of Obstetric Emergencies with post drill evaluations

Objectives

• Labor and Delivery staff with greater than two years of experience will participate in Obstetric Emergency drills to gain understanding of roles and responsibilities of an Obstetric Rapid Response Team (Code-OB RRT)
• All eligible staff will recognize and understand management of an obstetric emergency
Project Design: Stakeholders/Participants

Chief Executive Officer
CEO
Chief Nursing Officer

OB Department Chair
Medical Team
Anesthesia Team

Labor & Delivery Team
Nurse Manager
House Supervisors

New Hanover Regional Medical Center

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Project Design: What I did
Outcomes: Change and Impact

Q6 I am confident that I am mastering the content of the simulation activity that my instructors presented to me.

Q7 I am confident that this simulation covered critical content necessary for the mastery of the obstetrical curriculum.

Q8 I am confident that I am developing the skills and obtaining the required knowledge from this simulation to perform necessary tasks in a clinical setting.
Outcomes: Change and Impact

Pender County mom captured giving birth to baby outside NHRMC on Feb. 13, 2019. (Photo: De'Maya Berry)

Permission to use photo: WWAY News
Conclusion: Implications for Practice & Sustainability

- Code-OB RRT
- Communication
- Teamwork
- Confidence
- Decrease in Maternal Mortality/Morbidity
- Increase patient safety for both mother and baby

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Plans for Future Dissemination

July 25-29th, 2019, Calgary, Canada

June 7-12th, 2019 Atlanta, Georgia

September 19-20th, 2019 Winston Salem, NC