

Our Team STEPPS Up For Patient Safety: OB Emergency Drill Toolkits

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Nancy Ingham, BSN, RN-C; Joy Christensen, MA, BSN, RN,
Lindsey Dixon, BSN, RN; Marianne Wylie, BSN, RN



Who We Are:

Team STEPPS:

Strategies &
Tools to
Enhance
Performance
&
Patient
Safety



Baby Boom 2014

Location: New, state of the art Mother Baby Center at United Hospital in St. Paul
Timeline: 2 years

90 new nurses

2 new provider groups

Growth: Increase of 500 births a year and increased acuity levels

Response:

- Unit Team STEPPS champions recognized the need for cultivating teamwork and safety as the unit and the staff continued to grow, specifically in response to obstetrical emergencies.
- Our team developed Emergency Drill Toolkits to improve communication, knowledge and skills around obstetrical emergencies, among all team members.



Our Goal:

To promote patient safety through improved team knowledge and confidence while participating in obstetric emergency drills



What We've Done:

- Built emergency drill kits for PP, AP, and LD
- Drills included are-PP Hemorrhage, Eclampsia, Shoulder Dystocia, Sepsis, Newborn choking
- Developed OB Emergency Team (OBET)
- Created checklists for OB emergencies
- Run monthly drills in the Mother Baby center
- Evaluated drills using a staff survey
- Poster presentation at national AWHONN conference in June 2019



How to Run a Successful Drill:

- Unit downtime allows the perfect opportunity to run a drill
- Set up an open room with materials found in each drill folder in the toolkit (Order sets, Maternal-Newborn Risk Assessment, Algorithms/checklists, SBAR sheet)
- Allow for at least 15 minutes to run a drill and have time to debrief after drill (discuss what went well/learning opportunities).
- Have participants sign in, so they get credit for participating and we can track usage, and participation level.
- Choose 2-4 participants. Include providers/residents if available.



How to Run a Successful Drill:

- Each folder in your toolkit contains the following:
 - Script/Role Cards = Hand out for each participant to review their role and actions for each drill
 - Facilitator Pre-Drill Discussion = Read before starting drill to prepare participants
 - Scenario Template = Used to guide the progression of the drill scenario.
 - Vital Signs card = When used in the scenario, show participants at the appropriate time during the drill
 - Post Drill Discussion = Found in the back of each drill folder. Use to debrief following the completion of the drill.
- Some drill folders contain other materials for completing the drill, review before you begin.
- If time allows, review how to access medications available in the Emergency Kits found in the Omnicell



Barriers to Successful Drills:



- Unit census/acuity
- Staff resistance
- Policy/Order set changes—keeping tool kit updated
- Large staff size
- Training others to utilize kits

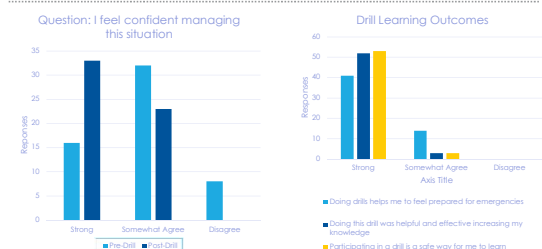


Measuring Success

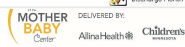
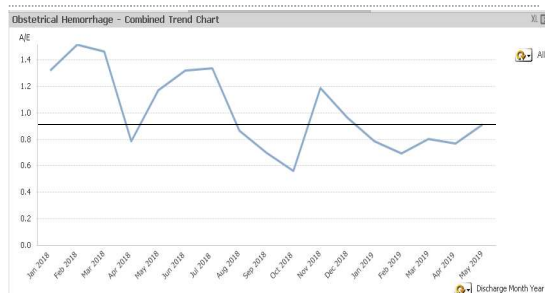
- Pre and Post-drill surveys:**
 - Participating in this drill helps me feel prepared for this emergency
 - Participating in this drill was helpful to increase my knowledge
 - I feel confident managing this situation
 - Participating in a drill is a safe way for me to learn



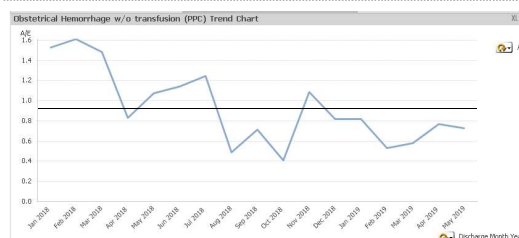
Results



Impact on Patient Safety: Example - Postpartum Hemorrhage



Postpartum Hemorrhage:





What We Know:

- Patients expect safe and prompt response to OB complications
- Routine use of OB Emergency Drill Toolkits can improve patient safety through clear and accurate information among team members
- Effective drills provide a safe learning environment, reinforcing delivery of safe, evidence-based care



References:

- ACOG Committee Opinion Number 590. (2014, reaffirmed 2018). Preparing for clinical emergencies in obstetrics and gynecology.
- Smith, K. (2013). Improving obstetric rapid response teams: Multidisciplinary simulation training using plan-do-study-act cycle. *Journal of Obstetric, Gynecologic and Neonatal Nurses*, 42(1), S56-57.
- Sheppard, F. (2013). Team STEPPS and patient safety in healthcare. *Journal of Healthcare Risk Management*, 32(3), 5-10.

