

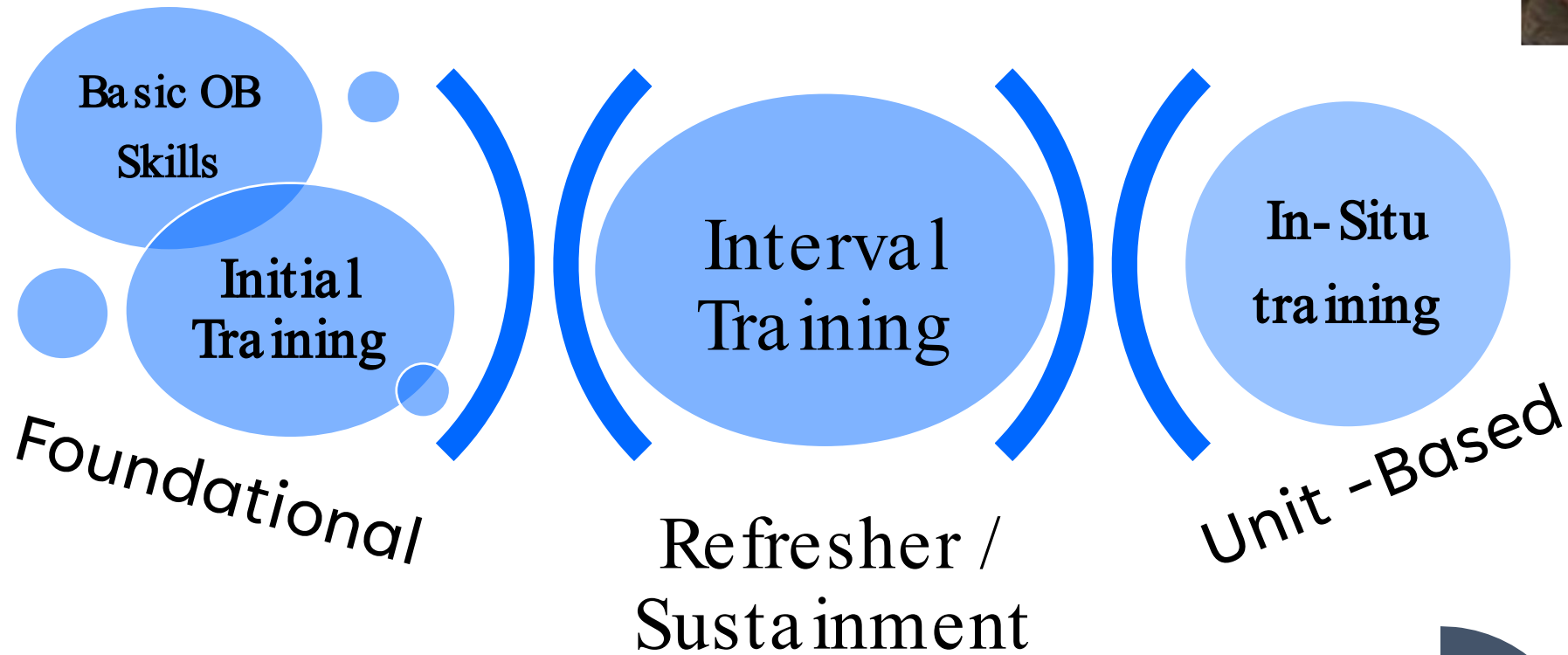


Use of Simulation as a Quality/Safety Tool in Obstetrics

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WHAT is Simulation in Obstetrics?



WHY?



National Obstetric Simulation Requirements / Recommendations



Agency for Healthcare Research and Quality
Advancing Excellence in Health Care



The Joint Commission



AMERICAN COLLEGE OF SURGEONS
Inspiring Quality: Highest Standards, Better Outcomes



AWHONN
PROMOTING THE HEALTH OF
WOMEN AND NEWBORNS



Society for
Maternal-Fetal
Medicine

American Academy
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™



AMERICAN ACADEMY OF
FAMILY PHYSICIANS
STRONG MEDICINE FOR AMERICA



AMERICAN COLLEGE
of NURSE-MIDWIVES
With women, for a lifetime®

Most Common Causes of Diagnostic Error in Obstetrics

Top 3

- Inadequate Diagnosis
- Inappropriate Treatment
- Inadequate Documentation

HOW is Simulation in Obstetrics Helpful?

Identify Issues that lead to Diagnostic Errors

- Knowledge deficits
- Facility issues
- Communication / Teamwork issues
- Inherent biases

Improved Outcomes*

- 20% reduction in Severe Maternal Morbidity from Hemorrhage
- Significant decrease in neonatal injury with shoulder dystocia
- Improved time to delivery with umbilical cord prolapse

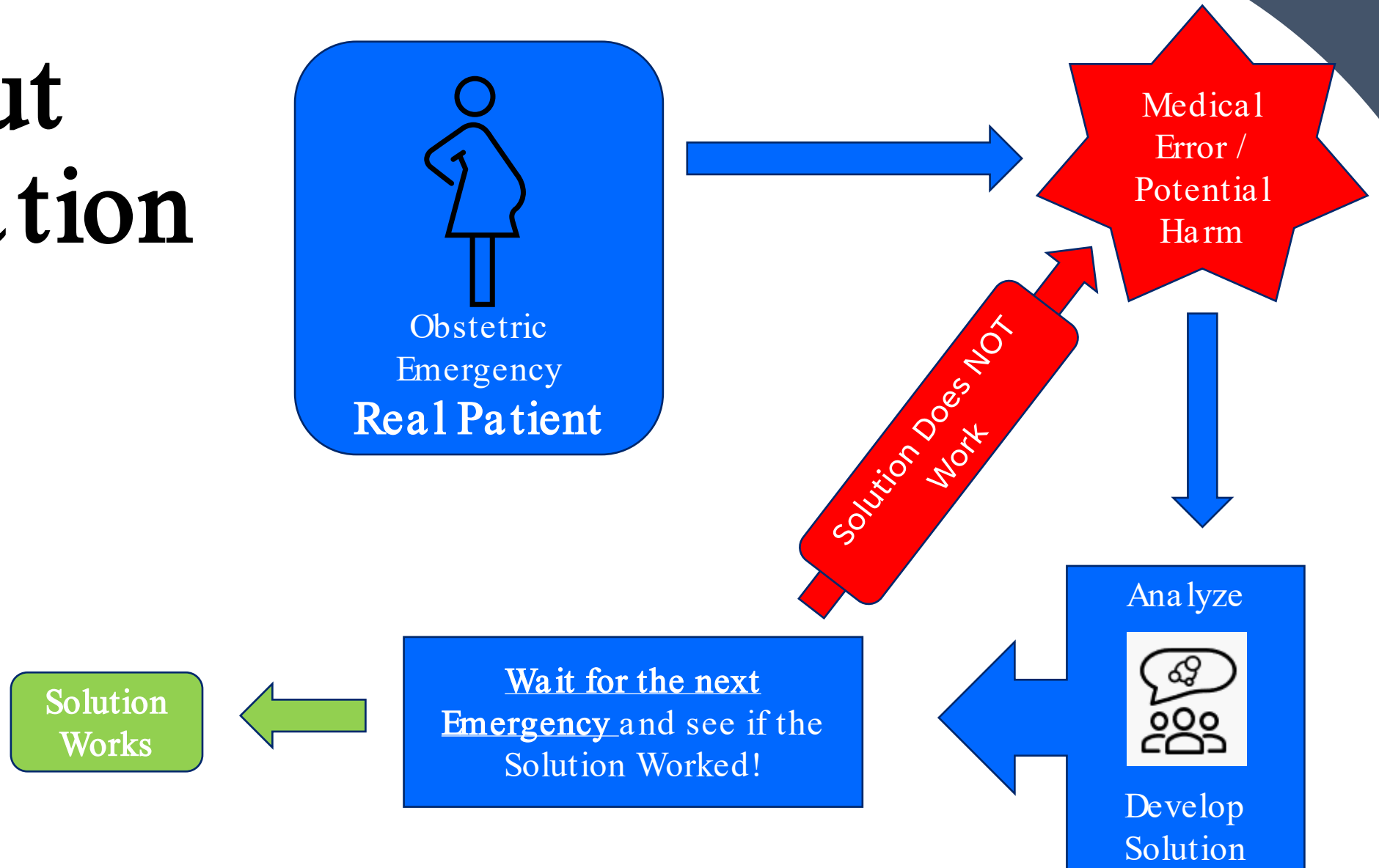
Ability to practice OB Emergencies / Learn skills

- Able to run drills as a team on actual units
- Can try out solutions to make sure they work

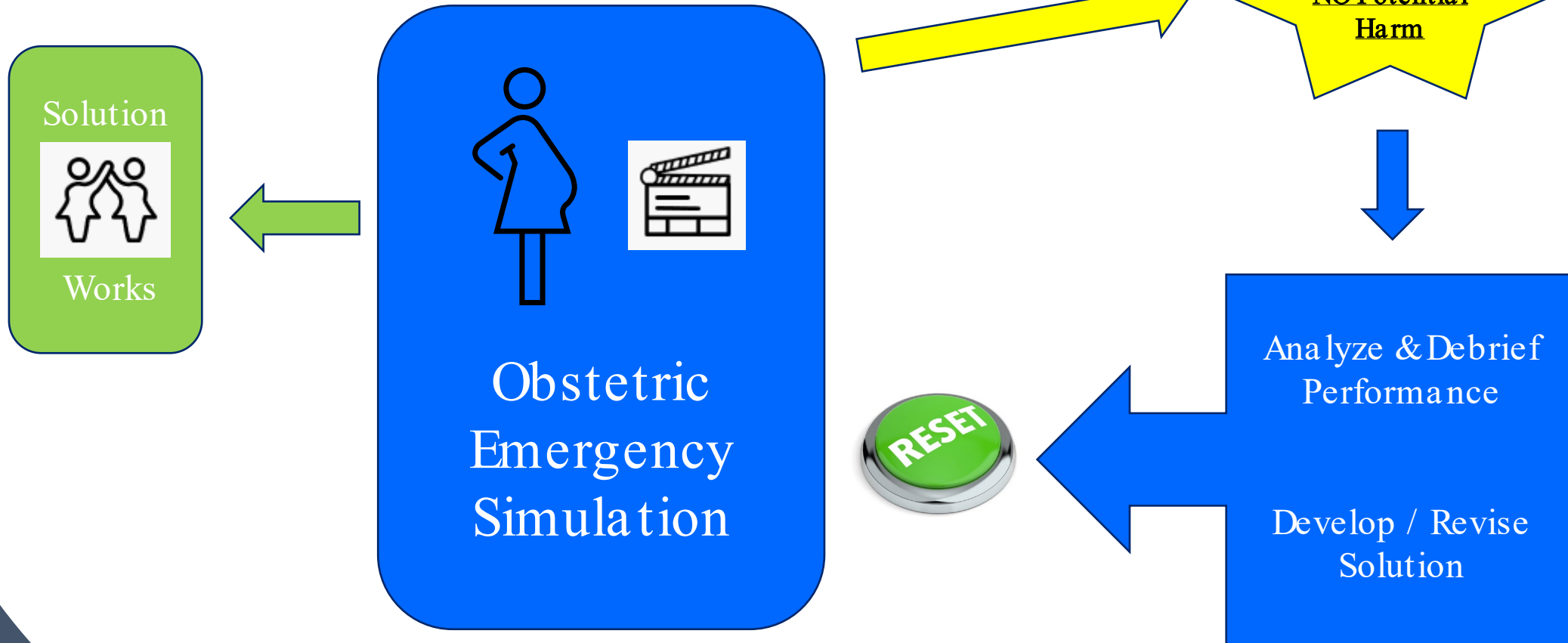
Practice Solutions

- Hands-on skills
- Run through OB emergencies as a team
- Keep teams ready for serious emergencies that don't happen as often

Without Simulation



With Simulation



- NO Risk to Patients
- Practice, Practice, Practice

HOW do we get there?

Create and distribute programs to train providers how to use simulation in OB

Integrate Simulation into OB Patient Safety Programs

Study what type of simulation works best - Outcomes



ALLIANCE FOR INNOVATION ON MATERNAL HEALTH
A quality improvement initiative to support best practices that make birth safer, improve maternal health outcomes and save lives.

HOME ABOUT US ▾ PATIENT SAFETY BUNDLES ▾ AIM CORNERSTONES ▾ RESOURCES ▾ AIM DATA ▾ COLLABORATIVE STRATEGIES ▾ CONTACT



AIM PATIENT SAFETY BUNDLES

AIM develops multidisciplinary, clinical condition specific patient safety bundles to support best practices that make birth safer. [LEARN MORE](#)

SIMULATION AND DRILLS FOR PATIENT SAFETY

Imagine your favorite sports team. Now imagine them making a mistake on a critical play because they have not had enough time to practice together. Lack of structured team practice can lead to minimal connection and chemistry between team members – call this culture.

It is critically important that members of the health care team are educated and are readily able to recognize, diagnose, treat, and manage medical emergencies in pregnancy and the postpartum period.

SAMPLE CASE SCENARIOS

■ HYPERTENSION CASE SCENARIO 1

■ HEMORRHAGE CASE SCENARIO 1



■ HYPERTENSION CASE SCENARIO 2

■ HEMORRHAGE CASE SCENARIO 2

■ HYPERTENSION SCENARIO TRAINING AIDS

■ FETAL HEART RATE TONES TRAINING AIDS

■ HEMORRHAGE SCENARIOS VISUAL AIDS

■ ADDITIONAL HEMORRHAGE CASE SCENARIOS

■ HYPERTENSION CASE SCENARIO 3

■ HEMORRHAGE CASE SCENARIO 3

TEAM REVIEW AND DEBRIEFING

■ CENTER HYPERTENSION FORM

■ CENTER HEMORRHAGE FORM



TEAM BASED COMMUNICATION TRAINING

■ TEAM STEPS

PROTOCOL CHANGE FORM AND IMPLEMENTATION ACTION PLAN

■ HYPER TENSION/QUALITY PROTOCOL CHANG FORM

■ HEMORRHAGE/QUALITY PROTOCOL CHANG FORM

SAMPLE CASE VIDEOS

● SEVERE HYPERTENSION CASE 1

● OBSTETRIC HEMORRHAGE - REQUIRING UTERINE TAMPONADE

● SEVERE HYPERTENSION CASE 2

● OBSTETRIC HEMORRHAGE - REQUIRING UTEROTONICS

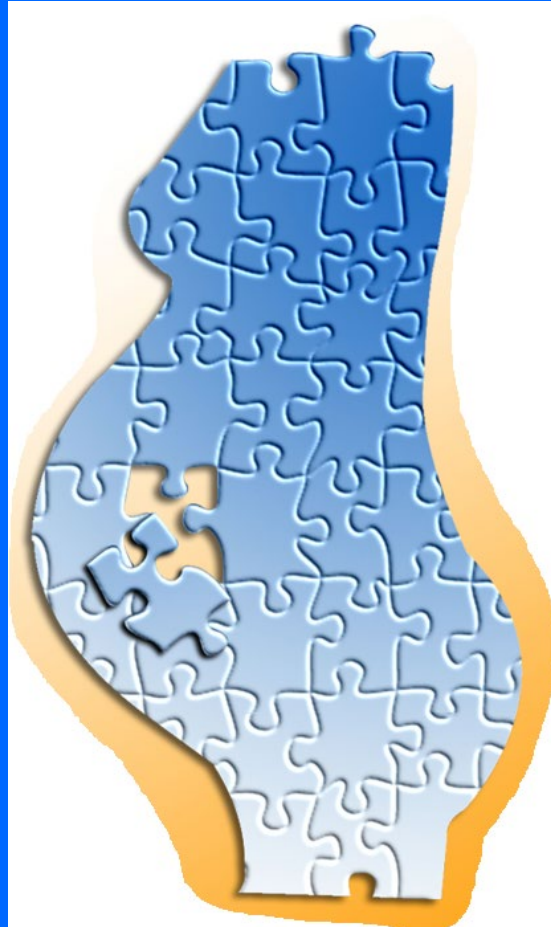
● SEVERE HYPERTENSION CASE 3

● OBSTETRIC HEMORRHAGE WITH RETAINED PRODUCTS



How Important is Simulation for Decreasing Diagnostic Errors in Obstetrics?

Key Part of solving the Puzzle!



If we do not deploy simulation as an integrated part of our programs, we will be putting more patients at risk of serious harm

Thu, Nov 30, 09:37

Sir, I love simulation

Mon. Dec 4. 18:04





Thank you

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