



Lucile Packard
Children's Hospital
Stanford

OB Simulation Program

Improving patient safety through simulation training for Labor and Delivery teams





An operating room is used as the setting for surgical emergency simulations.

About OB Simulation Training

Just as pilots train on flight simulators to practice their skills, learn new ones and make flying safer, the OB Simulation Program provides labor and delivery teams with a safe way to practice emergency situations without danger to patients.

Using live actors and mannequins, OB Sim staff creates realistic scenarios designed to teach obstetric teams the technical, behavioral and communication skills necessary for optimal performance when faced with a real life emergency situation.

We will assist your organization in the creating the “circle of safety” as part of a comprehensive training program including drills, debriefing, review of latent system and infrastructure errors, and development of a process with which to correct such errors.

About the Trainers

The training team at Lucile Packard Children’s Hospital Stanford (LPCHS) has over ten years’ experience with hundreds of courses conducted. Recipients of the Kaiser Innovation in Education award, we are known as the national and international leader in multi-disciplinary “in-situ” obstetric simulation at the point of care.

Our Stanford Health Care faculty includes obstetric simulation experts, advanced nurse educators, obstetricians, and obstetric anesthesiologists – all of whom practice at a busy, high acuity center.

Our Programs

Course 1

STANFORD FACULTY-RUN L&D SIMULATION DRILLS:

Multi-disciplinary Training for Emergencies on L&D

(2 half-day courses, 4 hours each)

Participants: MDs (OB & Anesthesia) RNs and/or technicians (10 maximum per session)

Goal: Introduce the use of simulation-based learning for staff education through:

- Team building and group problem solving
- Uncover system errors on your unit
- Drill program will include development of a circle of safety (drills, debriefing, review of uncovered errors, discussion of the development of an infrastructure to address and correct uncovered errors)

Program Outline

Your team will participate in a series of simulated drills designed to improve response time during obstetrical emergencies.

Sample scenarios

- Post-partum hemorrhage
- Shoulder dystocia
- Stat cesarean delivery
- Eclampsia
- PPH
- Maternal cardiopulmonary arrest



An operating room is used as the setting for surgical emergency simulations.

Benefit for your staff

- LDR team training
- Introduction of new immersive education methodology
- Optimization of team communication (closed loop), workload delegation (defined roles, leadership)
- Work toward the goals of Joint Commission, CCS and Title 22
- Addition to the nursing education program

Course 2

Multidisciplinary L&D Simulation Drills – Train the Trainer

Participants: MDs (OB & Anesthesia) and RNs

Goal: Development of your own in-house simulation faculty; train personnel in the hospital to perform simulation on an ongoing basis.

Program Outline

1. Our OB Sim team will hold an on-site planning session with your hospital leadership to:
 - Determine areas of concern for your institution
 - Create a plan and course of action
2. A planning report will be sent back to the institution prior to initiation of the training program.
3. The training program will be designed for 3 of your designated hospital staff (trainees):
 - Train the Trainer course at CAPE (Center for Pediatric and Perinatal Education); minimum 3 participants with at least 1 MD
 - Discussion of various methods to achieve implementation of change
 - Trainees will observe LPCHS OB simulation drills
4. Training scenarios will be created by the OB Sim Training team and trainees to include:
 - Learning objectives
 - Creation of scenarios
 - Supplies and equipment needed
 - Personnel needed
5. Sample scenario subjects:
 - Post-partum hemorrhage
 - Shoulder dystocia
 - Stat cesarean delivery
 - Eclampsia
 - PPH
 - Maternal cardiopulmonary arrest
6. Performance of drills on site:
 - OB Sim team from LPCHS will be present at 3 simulations to assist and assure quality of simulations run by trainees
7. Follow up (optional):
 - Evaluation by OB Sim team after 1 year to assess simulation program, evaluate changes made secondary to simulation program and data collection



Disaster planning prepares participants to respond to emergency situations like this simulated fire.

Add-on Options

Option 1

Task Training Simulation

(3 hour course)

Participants: MDs (OB) and RNs (25 maximum)

Goal: Hands-on learning of emergency procedures by L&D teams.

Program Outline

Your team will participate in a series of simulated drills designed to improve response time during obstetrical emergencies.

Sample scenarios

- Vacuum forceps (models provided for hands-on training, review of appropriate documentation)
- Shoulder dystocia (including maneuvers, stain gauge measurement of applied forces and review of appropriate documentation)
- Postpartum hemorrhage (including review of uterotonic medications, and hands on training for Bakri balloon placement and B- lynch suture)

Option 2

Disaster Planning for L&D and AP Units

(Multiple half-day sessions, depending on the needs of the department)

Goal: Present and train staff with a plan for evacuation and shelter in place for OB units in the event of a catastrophic event such as earthquake, massive power outage, fire.

Program Outline

- Review your hospital's present disaster plan (Perform a pre-drills assessment of needs and present preparations for disaster)
- Formulate a customized plan using the Stanford Disaster Preparedness Toolkit *
- Assist in training OB personnel for disaster preparedness using the customize toolkit in on-site simulation drills

* *The Stanford Disaster Preparedness Toolkit includes:*

- *Staff Organization chart*
- *TRAIN triage tool*
- *Evacuation forms*
- *Orders*
- *Transfer form*
- *Well baby discharge checklist*
- *Department Damage report map*
- *Grab and Go bags*
- *Pyxis override instruction*
- *Regional hospitals chart*
- *Well baby checklist for discharge by OB*



Lucile Packard Children's Hospital Stanford

Contact Us

For more information about our OB Simulation Training opportunities or to schedule a training for your team call (650) 497-8284 or contact:

Kay Daniels, MD

Obstetrics & Gynecology

Johnson Center for Pregnancy and Newborn Services

k.daniels@stanford.edu

Fran Schlaefer

Administrative Director

Johnson Center for Pregnancy and Newborn Services

fschlaefer@stanfordchildrens.org

Lucile Packard Children's Hospital Stanford

725 Welch Road

Palo Alto, CA 94304