



Laerdal

helping save lives



Obstetric Solution

SimMom and MamaBirthie

Combining high and low fidelity simulation to help improve patient outcome

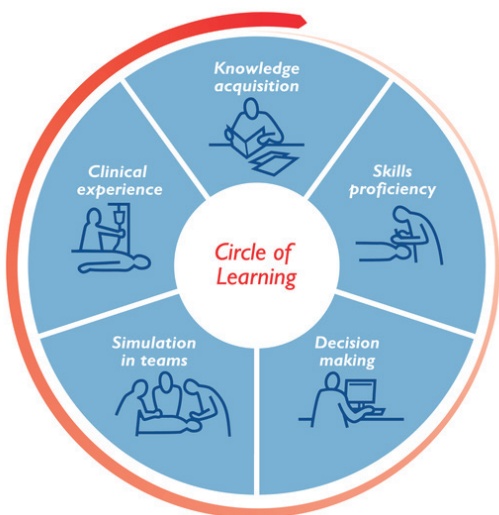
SimMom is an advanced full body birthing simulator with accurate anatomy and functionality to facilitate multi-professional obstetric training of birth management, with both manual and automatic delivery modes. MamaBirthie is a simple, easy to use obstetric training device which can be paired with a standardized patient or used as a tabletop skills trainer.

Together, SimMom and MamaBirthie offer a solution for delivering efficient and effective obstetric simulations which meet learning objectives around care, communication, and skills.

Improve the quality of obstetric care

SimMom and MamaBirthing combined provides an impactful simulation toolkit, which can be used at different stages of the Circle of Learning to support a complete learning experience.

One of the most important objectives during labor and delivery is recognizing the potential risks to both the mother and baby. By building a well-trained team, confident in their abilities to manage adverse events whilst communicating with respect to the mother, you ensure better outcomes for both patients.



Skills training at hand when learning procedures by heart

MamaBirthing's easy set-up is ideal for repeated practice. Allow your students to get hands-on experience with standard procedures from day one.

- Practice vaginal and abdominal examinations
- Use the cervical inserts for dilatation and effacement assessment, as well as identifying positioning
- Palpate the baby's position using anatomical landmarks
- Effectively teach complex births such as vacuum-assisted delivery, breech and shoulder dystocia
- Gain tactile feedback from BabyBirthing's palpable fontanelles



Make errors now, to avoid them in the future

No one likes to make mistakes, yet it's an important part of training. With this obstetric solution, teams can train for decision-making in emergency settings and the ability to work under pressure in a safe environment.

With immediate feedback from either simulator or role-play, instructors can pinpoint areas of improvement, teach precise behaviors for real-life emergency procedures, and instill confidence over time.

Operation

SimMom can be operated by a LLEAP instructor computer and can utilize a simulated patient monitor. Incorporate SimCapture for a complete debriefing solution.



When it comes to labor, it's all about delivering respectful care

Hybrid simulation can improve patient outcomes and patient satisfaction, as it combines skills assessment in both clinical treatment and communication with a standardized patient.

MamaBirthing is ideal for practicing interaction and active listening in role-play settings. By using it for peer-to-peer training sessions, students build engagement for respectful care, effective communication, and risk managing.



Keeping normal birth, normal

This obstetric solution enables training on both standard deliveries and life-threatening emergencies. By utilizing best-practice methodologies in simulation, students can prepare for low-frequency, high-risk emergencies.

Prepare learners to recognize and respond to events such as post-partum hemorrhage, uterine inversion, and maternal collapse.



That was great – now, let's do it again!

Practice precise procedures with SimMom, and hands-on repeated maneuvers with MamaBirthing to enhance learners' psychomotor skills and promote the best possible patient care.

Enable Rapid Cycle Deliberate Practice to boost individual performance - repetition and debriefing are the keys to continuous improvement.

Mother and baby

The ideal solution when caring for two

	SimMom	MamaBirthie
Delivery / Drills		
Normal Delivery	Manual and Automatic Delivery option	✓
Difficult Delivery	✓	✓
Placenta Delivery	✓	✓
Instrumental Delivery, (forceps, vacuum device)	✓	✓
Breech	✓	✓
Shoulder Dystocia	✓	✓
Postpartum hemorrhage	✓	
Bimanual compression		✓
Cord Prolapse	✓	✓
Partial or fully retained placenta	✓	✓
Boggy/atonic uterus	✓	✓
Catheterization	✓	✓
Manikin		
Full body	✓	
Realistic skin	✓	
Realistic pelvic floor	✓	✓
Perineal muscles	✓	✓
Dilating cervix (4cm to full)	✓	3 Cervix cups (4, 6, 8 cm)
Uterine massage	✓	✓
Baby		
Palpable limbs	✓	✓
Palpable fontanels	✓	✓
Head flexes naturally	✓	✓
Tilting Head	✓	✓
Simulation of Chignon effect		✓
Heartbeat (Simulated)	✓	
Open mouth for feeding positioning	✓	✓



SimMom

- An advanced, full-body simulator available in both manual and automatic delivery modes
- Covers all stages of labor - from antepartum to postpartum
- Provides opportunities for enhanced in-situ training with cross-functional teams to work collaboratively
- Train for the low-frequency, high-risk incidents
- Prepare learners to recognize and respond to potential high-risk births and postpartum complications such as PPH
- Controlled wirelessly with LLEAP, Laerdal's simulation software



MamaBirthie

- Simple simulator that can be worn on a standardized patient or mounted on a table
- Ideal for practicing maneuvers and skills training independently or peer-to-peer
- Train skills including abdominal and vaginal examinations, normal birth, vacuum-assisted delivery, shoulder dystocia and breech
- Practice on communication and collaboration with the mother through role play
- Use MamaBirthie as a skills trainer best prepare learners for high fidelity simulations on SimMom



Developed in partnership with Limbs & Things

Laerdal has given SimMom an easy-to-use, full-body simulation system, whilst Limbs & Things brings a level of realism, both in terms of anatomy and obstetric experience to the product.

