



**Laerdal**

helping save lives



**Maternal Solutions**

Reduce Complications and  
Improve Patient Outcomes



## Reduce Complications and Improve Patient Outcomes

One of the most important objectives during labor and delivery is recognizing the potential risks to mother and baby. Building a well trained team able to communicate and manage adverse events can ensure better outcomes for both patients.

Educating and improving the competency of healthcare providers demands a wide range of high quality training tools that meet the needs of educators, learners and healthcare providers to ensure high levels of safe patient care.

### Low-Fidelity



#### MamaBirthing Birthing Simulator

MamaBirthing is ideal for basic skill acquisition and competency development for normal and complicated labour and birth. It can be worn on the body by a standardized patient to facilitate hybrid simulation, or as a tabletop model to demonstrate mechanics of birth. MamaBirthing provides an opportunity for professional training both in schools and at facilities, in particular for peer-to-peer training. It can also be used for community-based education such as new parent courses. Made of durable fabrics that need no lubrication.

- Abdominal and vaginal examinations, normal birth, shoulder dystocia, and vaginal breech.
- Cesarean section, abdominal suturing (i.e. B-Lynch suture), and identification of abdominal tissue.
- Cervical inserts provide dilatation and effacement assessment.
- Simulated membranes for risk assessment, birth canal and pelvic floor to allow natural cardinal movements.
- BabyBirthing includes palpable fontanelles.



#### MamaNatalie Birthing Simulator

MamaNatalie is ideal for addressing normal and complicated third and fourth stages of labor, focusing on post-partum hemorrhage and newborn resuscitation. A convenient hybrid simulator facilitates role-play and creates engaging sessions for mobile, in-situ, team training with respectful care. MamaNatalie facilitates interactive communication skills to assess, interpret and implement perinatal care. Made of durable fabrics that need no lubrication.

- Post-partum hemorrhage, both intensity of bleeding and volume.
- Atonic and contracted uterine fundus for assessment and bimanual massage.
- Complete or partial placenta for risk assessment.
- NeoNatalie newborn simulator for newborn resuscitation included.

## Mid-Fidelity



### PROMPT Flex

PROMPT Flex is ideal for addressing high risk, low frequency events to reduce complications. The versatile and modular design allows multiple training options to include hybrid simulation with a standardized patient or as a skills trainer. The optional accessories provide the user with a comprehensive experience in all stages of birth and complexity. Suited for all learners in both professional education and healthcare.

- Force Monitoring option in neonate showing traction applied to baby's head with visual representation in software application.
- Postpartum hemorrhage and fundus for training in the management of bleeding and fundal massage.
- Cervical dilatation, effacement, position and station module for assessment and management of the different stages of labor.
- C-Section with dermal layers for abdominal wall dissection, delivery and closure procedures.

## High-Fidelity



### MamaAnne

MamaAnne is designed to deliver the highest level of obstetric training. Empower your learners to confidently and effectively handle critical, obstetric emergencies through high-fidelity simulation training. MamaAnne is ideal for in-situ and team training to address communication and interprofessional education.

- Automatic Delivery System (ADS) facilitates precise and accurate birth movements through the birthing canal.
- Realistic silicone skin enhances look and feel while articulating joints improve birthing positions such as supine, semi-recumbent, left lateral, lithotomy, and sitting.
- Belly-latch system, accessible fluid reservoirs, limb connectors, and ADS loading mechanism enhance ease of use and speed of running back-to-back simulations.
- Flexible bleeding solutions to simulate PPH simulate PPH at multiple levels of realism.
- Decades of experience and knowledge through collaboration between Laerdal Medical and Limbs & Things.



## Choose the fidelity that meets your simulation goals

	MamaAnne	PROMPT Flex - Standard	PROMPT Flex - Advanced	MamaNatalie	MamaBirthie
<b>Function</b>	High fidelity, full body simulator delivering the highest level of obstetric training. MamaAnne's Automatic Delivery System enhances birthing realism and flexible solutions adapt to your scenario needs. Built with a simplified configuration, MamaAnne is designed for rapid use and setup.	Prompt Flex Standard can be used as a task trainer or with a Standardized patient to add realism to any scenario. With the expandable, modular design hemorrhage learners can practice obstetrical delivery skills for all 3 stages of birth, including post-partum hemorrhage.	In addition to the learning opportunities offered with the PROMPT Flex Standard version, the Advanced includes a Bluetooth force monitoring capability which provides the learner and instructor with visual feedback indicating the amount of force applied to the fetus during delivery.	Training on normal delivery and postpartum complications, such as post partum hemorrhage, uterine atony and retained placenta. Simulates realistic blood loss, ranging from normal to severe. It is a wearable simulator; ideal for practicing communication skills and respectful care.	Birthing simulator and skills trainer that helps learners practice normal delivery, and identify and manage potential obstetrical complications. It can be worn on the body to facilitate simulation training, or used as a tabletop model for demonstration. The addition of the C-section Module extends the capabilities to train operative births.
<b>Assessment of Labor - Vaginal examination &amp; assessment</b>	Ischial spines to determine fetal station, realistic pubic bone location, fontanelles to determine baby position, realistic vulva and urethra, palpable contractions, and adjustable uterine tone (boggy/firm).	Optional CD&E module enables presentation of the head/brow/breech/cervix at different stations, different relative positions, and different degrees of rotation, for comprehensive training.	Optional CD&E module enables presentation of the head/brow/breech/cervix at different stations, different relative positions, and different degrees of rotation, for comprehensive training.	Anatomical visualization of rotation at birth, limited abdominal and vaginal examination	Assessment of dilation only 3 Cervix Cups (4, 6 & 8 cm dilations)
Delivery / Drills					
Normal delivery	✓	✓	✓	✓	✓
Difficult delivery	✓	✓	✓		✓
Placenta delivery	✓	✓	✓	✓	✓
Instrumental delivery, (forceps, vacuum device)	✓	✓	✓	✓	✓
Breech	✓	✓	✓		✓
Shoulder dystocia	✓	✓	✓		✓
Suprapubic pressure sensing	✓				
Post partum hemorrhage	Internal bleeding or Clean Bleed Mat	With PPH Module	With PPH Module	✓	
Bimanual compression	✓			✓	✓
Eclampsia and preeclampsia	✓				
Cord prolapse	✓	✓	✓	✓	✓
Partial or fully retained placenta	✓	✓	✓	✓	✓
Boggy/atonic uterus	✓	With PPH Module	With PPH Module	✓	✓
Catheterization	✓	Catheter placement only - no urine reservoir or output	Catheter placement only - no urine reservoir or output	✓	✓
Newborn Resuscitation				✓	
Cesarean section and abdominal suturing	Future Module				✓
Manikin					
Full body	✓				
Realistic skin	✓	✓	✓		
Birthing positions (supine, semi-recumbent, left lateral, lithotomy, all-fours, and McRoberts)	✓				
Seizures and convulsions	✓				
QCPR technology	✓				
Vascular access (IV, IM, IO)	✓	IM only	IM only		
Dilating cervix (4cm to full)	Future Module	With CDE Module	With CDE Module		3 Cervix cups (4, 6, 8 cm)
Uterine massage	✓			✓	✓
Palpable contractions	✓			✓	✓
Ultrasound	Compatible with LSUS 2.0				
Baby					
Palpable limbs	✓	With optional lower legs	With optional lower legs		✓
Palpable fontanelles	✓	✓	✓	✓	✓
Head flexes naturally	✓	✓	✓	✓	✓
Tilting Head	✓	✓	✓	✓	✓
Cuttable umbilical cord	✓				
Simulation of Chignon effect					✓
Open mouth for feeding positioning	✓			✓	✓
Newborn resuscitation				✓	