MamaBirthie and MamaBirthie CS are anatomically accurate models which allow for realistic simulation and demonstration of both normal and complicated labor, focusing on the first two stages of labor. MamaBirthie CS additionally focuses on skills needed for C-section and severe bleeding management.

MamaBirthie
Birthing Simulator and Skills Trainer

Simulation scenarios	MamaBirthie	MamaNatalie
Abdominal and vaginal examination	●●●	●○○
Anatomical visualization of rotation at birth	●●●	○○○
Fetal heart rate sounds	●●○	●●○
Normal birth	●●●	●●○
Shoulder dystocia	●●●	○○○
Assisted breech delivery	●●●	●○○
Vacuum assisted delivery	●●●	●○○
Cord prolapse	●●●	●●●
Urinary catheterization	●●●	●●●
Delivery of placenta	●●●	●●●
Examining placenta,membranes, artery and veins	●●●	●○○
Retained placenta	●●●	●●●
Uterine massage	●●●	●●●
Postpartum hemorrhage	○○○	●●●
Uterine compression	●●○	●●●
Newborn resuscitation	○○○*	●●●

Features	BabyBirthie	NeoNatalie
Palpable limbs	●●●	○○○
Palpable fontanels	●●●	●●○
Stretching neck	●●●	○○○
Tilting head	●●●	●●●
Rotating neck	●●●	●○○
Head simulating chignon effect	●●●	○○○
Breathing lungs	○○○	●●●
Pulsating cord and heartbeat	○○○	●●●
Open mouth for feeding positioning	●●●	●●●

* BabyBirthie may be substituted by NeoNatalie post-delivery for simulation of complicated birthing scenarios that include newborn resuscitation.

○○○ Not applicable
●○○ Good
●●○ Very good
●●● Excellent

Now available with Cesarean Section module

Laerdal
helping save lives

Laerdal
helping save lives

Birthing (and Safe C-section) Simulator

MamaBirthie supports skills training and simulation in teams for normal births and various complications. MamaBirthie CS offers an additional C-Section (CS) module with MamaBirthie for skills training on surgical and suturing techniques

Every year nearly 300,000 mothers and 2.3 million newborns die from complications related to pregnancy or childbirth.

WHO emphasizes the importance of skilled health professionals, like midwives, attending all births, as timely management and treatment can make the difference between life and death for both the mother and the baby. By fully investing in midwifery-led programs, two-thirds of maternal and newborn deaths could be prevented, equating to 4.3 million lives per year by 2035.
(UNFPA SoWMy2021 report)

Women need access to life-saving interventions during labor, including Cesarean section. According to WHO, 10-15% of all mothers need this procedure, but 2/3 lack access.

Instructional videos of how to set up the product and run simulations.
shop.laerdalglobalhealth.com/product/mamabirthie/
shop.laerdalglobalhealth.com/product/mamabirthie-cs/

A chignon will appear after the use of the vacuum suction device, letting the learner assess the placement of the vacuum cup.

A sophisticated neck mechanism ensures that the head can be stretched, turned and tilted for practicing maneuvers for shoulder dystocia.
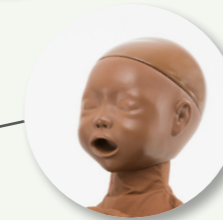
BabyBirthie
A realistic articulated newborn manikin with fontanels and anatomical landmarks to support training on different presentations and labor complications.

Skills Trainer Mode
MamaBirthie can be used as a tabletop model to demonstrate the mechanics of birth and train skills including abdominal and vaginal examinations, vacuum assisted delivery and breech.
The CS module also enables training in B-Lynch suturing, and suturing of the uterus and abdominal tissue layers.

Birthing Simulator Mode
MamaBirthie can be worn to facilitate realistic simulation scenarios including normal birth, different birthing positions and labor complications. It is also ideal for in-situ team simulation and training respectful care.
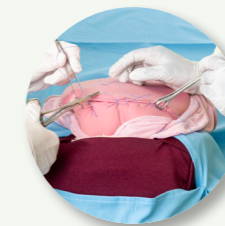
Management of malpresentations including breech and shoulder dystocia can be trained on the table or in simulation mode.

Cervix inserts of 4, 6 and 8 cm dilatation and effacement, in addition to anatomical landmarks in the birth canal, allow for skills training on vaginal examination.

Surgical training through all the different layers of tissue

Skills training in B-Lynch suturing, and suturing of the uterus and abdominal tissue layers.