



Laerdal®

helping save lives



MamaBirthie

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# Birthing Simulator & Skills Trainer

For birthing simulation, skills training and anatomy visualization



# Birthing Simulator & Skills Trainer

In 2015, an estimated 300,000 women and 2.7 million newborns died from complications related to pregnancy or childbirth. (WHO2015)

WHO emphasizes the importance of skilled health professionals attending all births, as timely management and treatment can make the difference between life and death for both the mother and the baby. Only 51% of women in low-income countries benefit from skilled care during childbirth. (WHO2015)

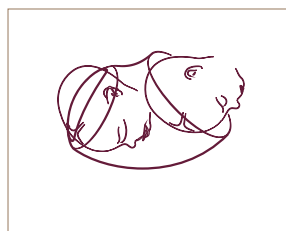
Investing in well-trained midwives can save millions of lives each year. In Bangladesh, the training of 500 midwives reduced maternal mortality by over 80% and infant mortality by 75%. (State of the Worlds Midwife 2014)



*Female external genitalia with urethra, clitoris, labia and stretchable perineum.*



*Management of malpresentations including breech and shoulder dystocia can be trained on the table or in simulation mode.*



*Realistic fetal head, birth canal and pelvic floor facilitates natural rotation of the head as it descends.*



*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.*



The baby's body is made of a durable fabric. A set of magnets in the baby's hands, enables it to curl up in the fetal position.



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.



### BabyBirthingie

A realistic articulated newborn manikin with fontanels and anatomical landmarks to support training on different presentations

### Skills Trainer Mode

MamaBirthingie 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.

### Birthing Simulator Mode

MamaBirthingie 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.



MamaBirthie is an anatomically accurate model which allows for realistic simulation and demonstration of both normal and complicated labor, focusing on the first two stages of labor. MamaNatalie focuses on complications and management of the third and fourth stages of labor.

	Simulation scenarios	MamaBirthie	MamaNatalie
Stage 1 & 2	Abdominal and vaginal examination	●●●	●○○
	Anatomical visualization of rotation at birth	●●●	○○○
	Fetal heart rate sounds	●●○	●●○
	Normal birth	●●●	●●○
	Shoulder dystocia	●●●	○○○
	Vaginal breech	●●●	●○○
	Vaginal assisted delivery	●●●	●○○
	Cord prolapse	●●●	●●●
	Urinary catheterization	●●●	●●●
	Delivery of placenta	●●●	●●●
Stage 3 & 4	Examining placenta, membranes, artery and veins	●●●	●○○
	Retained placenta	●●●	●●●
	Manual removal of 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



## Buy ONE Gift ONE

For each birthing simulator purchased through Laerdal Medical for use in high-income countries, a second one is being donated to support the Helping Mothers Survive initiative in low-income countries.

The gifted simulators are used for implementation of the Helping Mothers Survive Program in 40 countries. Learn more about how the donated units are used at:

[www.laerdalglobalhealth.com](http://www.laerdalglobalhealth.com)

For more information on the programs and products see also:

[www.helpingmotherssurvive.org](http://www.helpingmotherssurvive.org)

[www.laerdal.com](http://www.laerdal.com)