



Simulation Scenarios with MamaNatalie

- Fetal heart rate sounds
- Normal birth
- Cord prolapse
- Urinary catheterization
- Delivery of placenta
- Retained placenta
- Uterine massage
- Postpartum hemorrhage
- Uterine compression

NeoNatalie Features

- Palpable fontanels
- Tilting head
- Breathing lungs
- Pulsating cord and heartbeat
- Open mouth for feeding positioning

Low Dose High Frequency with MamaNatalie

A trial using Helping Mothers Survive (HMS) Bleeding After Birth in 125 facilities in Uganda found that simulator-based practice sessions occurred more frequently in facilities where peer practice coordinators helped schedule and lead the practice sessions. Where practice occurred more frequently, better clinical practice was directly observed. (Williams E. et al, Human Resources for Health, *In press*)

MamaBirthing

MamaBirthing 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. It can be used for scenario trainings such as:

- Normal labor and birth
- Practice assessment of cervix dilatation and fetal position
- Shoulder dystocia
- Assisted breech delivery
- Vacuum assisted delivery
- Examining placenta, membranes, artery and veins



MamaNatalie

Birthing Simulator

Durable – Affordable – Realistic



MamaNatalie Birthing Simulator

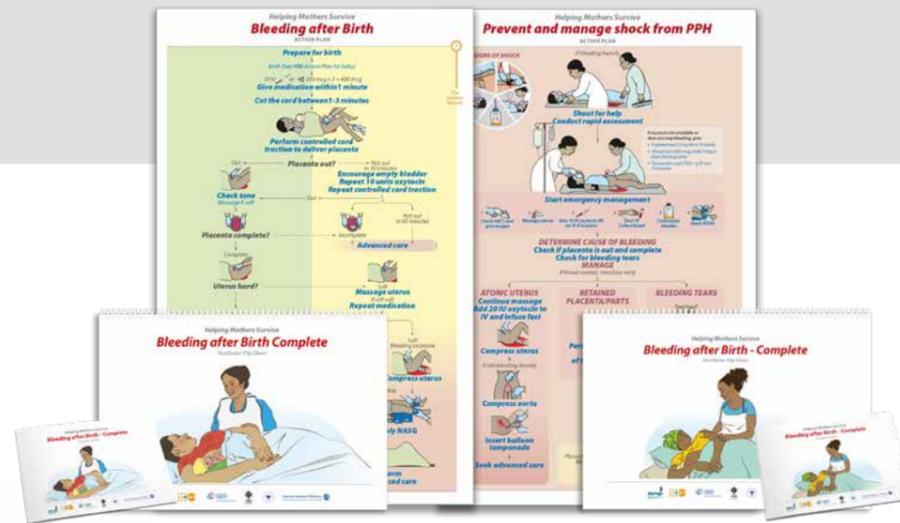
MamaNatalie is a birthing simulator designed for training both normal delivery and postpartum complications.

Simulation of Birth and Resuscitation

MamaNatalie can be worn to facilitate realistic simulation scenarios. It is also ideal for in-situ team training and practicing respectful maternal care. It comes with the newborn simulator NeoNatalie, ideal for newborn resuscitation training programs like Helping Babies Breathe.



The placenta can be delivered complete or incomplete



Simulation for Bleeding After Birth

With realistic bleeding, MamaNatalie is ideal for training on postpartum hemorrhage. It was developed along with Helping Mothers Survive Bleeding After Birth Complete, a program to train providers in prevention and management of post-partum hemorrhage—including uterine massage and bimanual compression.

Training with MamaNatalie leads to fewer blood transfusions

Studies in hospitals in Norway and Tanzania show that the number of transfused mothers after training with MamaNatalie was reduced by 41% (Norway) and 47% (Tanzania) (Egenburg S. et al, Acta Obstet Gynecol Scand., 2015)



Together with Mama-U it can be used for simulation and skills training of uterine balloon tamponade



Train in uterine massage (atonic and contracted uterus) and bimanual compression

Post-partum Hemorrhage is the leading cause of maternal mortality in low income countries and the primary cause of nearly 25% of all maternal deaths globally

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. (WHO 2015)

