

Simulation Skills Training for Obstetric Emergencies for Midwives

Ariel Bernstein, LM,
CPM



January 2024 Training

2

Days

Each group had 2 days of training

6

Emergencies

5 skills were identified for practice

40

Midwives

2 groups of 20 midwives were invited to participate in the trainings

7

Facilities

Midwives from 7 different facilities participated in the sessions

Introduction

In January 2024 Ariel, a midwife, and Cathy, an obstetrician traveled to Jinja to pilot a simulation skills training program for midwives at Jinja Regional Referral Hospital.

Our team



**Ariel Bernstein,
LM, CPM**

Ariel is a midwife with over 10 years of experience working with rural and lower-resource settings as a homebirth midwife in the United States. She has been a midwifery educator and preceptor for 7 years. She is a Masters of Public Health student at Harvard University in Boston where she is studying global health, humanitarian studies, and maternal child health.



Dr. Cathy Han

Cathy is an obstetrician with over 20 years of experience. She practiced in Southern California. She is now a Masters of Public Health student at Harvard University where she is studying social behavior and maternal child health.

Our Goal

Create simulation skills training capacity in Jinja for Midwives

- Improve provider skills
- Improve response to emergencies
- Improve provider confidence
- Support a culture of teamwork
- Support a culture of continuing education
- Create an on-going simulation skills training program





Mission

Help midwives in Jinja
improve their birth emergency
skills.



Vision

Through improved emergency
skills training there will be a
reduction in maternal and
neonatal deaths in Jinja.

“This is a quote, words full of
wisdom that someone
important said and that can
inspire the reader”

—Someone Famous

JINJA HOSPITAL EDUCATION CENTRE



Skills Taught During the Training



Post-partum hemorrhage

Medication, WHO protocol, EMOTIVE protocol



Cord Prolapse

When birth is imminent vs not



Pre-eclampsia

Laerdal management booklet



Shoulder Dystocia

Identification, team response, hand maneuvers



Breech

Maneuvers, upright positions/ hands and knees



Neonatal Resuscitation

Urgency of response, standard guidelines, PPV

Challenges – training vs reality

Some of the challenges we experienced/
discussed during the training sessions that
midwives regularly face:

- Limited resources
- Limited personnel (team response is difficult and not always possible)
- Unpredictable supply chain (medications and supplies)
- Cultural practices (herbs and home remedies)
- Transportation infrastructure
 - Ambulances
 - Travel time to facilities
 - Roads





Benefits of Training

- More empowered midwives
- Skills development
- Skills sharing/ cross-training
- Community building
- Sharing of tips and tricks
- More confidence
- Morale booster
- Team building
- Continuing education

Midwife Feedback

Mercury is the closest planet to the Sun and the smallest of them all





MamaNatalie

MamaNatalie and NeoNatalie can be used to simulate birth, PPH, and newborn resuscitation.



Gaumard Advanced Simulator

This simulator is firm, can feel internal pelvic markers, can have twins

Sustainability

Free Resources

Using online videos such as those from Laerdal Global

Sharing with co-workers

Each one teach one, sharing what was learned during training with co-workers.

Scale-up

Growing this project will train more midwives

Partners

Working with BHF to continue to provide trainings

Scale-Up Suggestions



Training coordinator

A training coordinator would be responsible for scheduling and executing regular training opportunities for the community



Partners

BHF, JRRH, Ministry of Health, Private Grants, NGOs



Frequency

All midwives in the region should be able to attend trainings at least once a year to improve their skills

Potential Funding Options

Ideas for Funding Partners:

- USAID
- Philanthropic Donations
- Gates Foundation
- WHO
- Laerdal Global
- PIH





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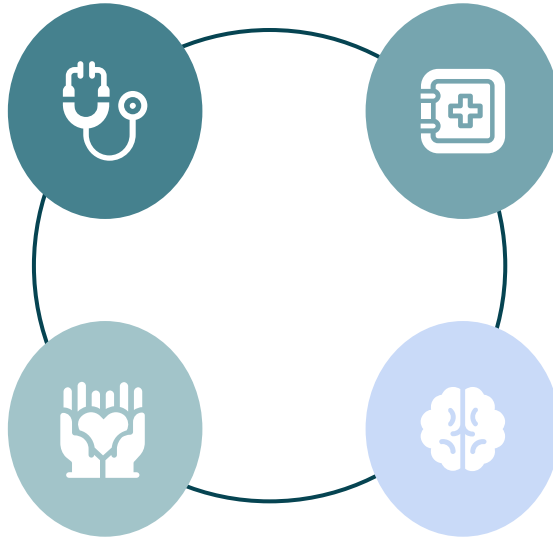
What We Learned

20,000

This is the number
of patients we had
last month

50,000

This is the number
of total visitors we
had last month



14,000

This is the number
of transplants we
had last month

8,000

This is the number
of doctors we had
last month



Busoga Health Forum

Our partnership with BHF enabled this project to happen! We are grateful for their partnership and support and hope to help them continue to offer simulation skills training in Jinja.

Thank you!

Prof Peter Waiswa, Dr. Bameka Agery, Moses Kyangwa, Dorothy Akongo, Benjamin Tatumwa ,



9h 55m 23s

Jupiter's rotation period

333,000

The Sun's mass compared to Earth

386,000 km

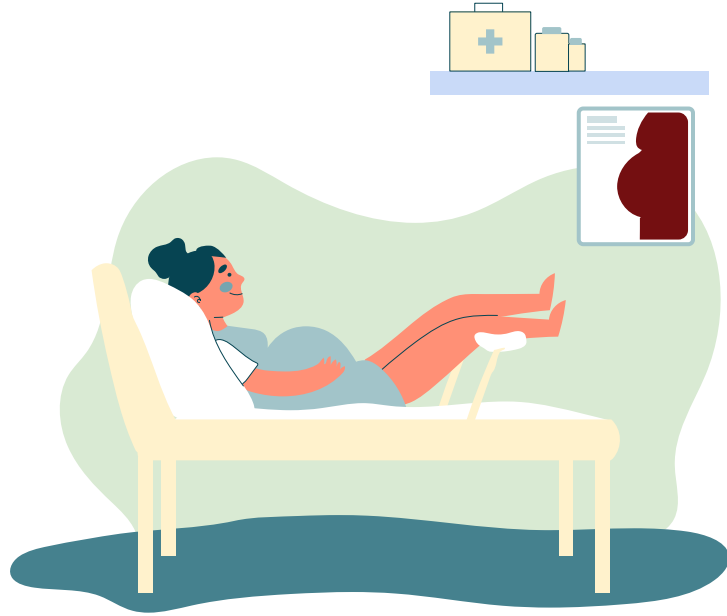
The distance between Earth and the Moon



What happens next?



We recommend that simulation training take place at least 3-4 times per year and that all midwives in the community be able to participate in at least 1 training per year.



Thanks!

Do you have any questions?

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