LOW COST, HIGH USE
MATERNAL AND NEONATAL SIMULATION:
THE NATALIE FAMILY COMES TO WEST
VIRGINIA

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ACTIVITY DISCLAIMER

Amanda J. Baltierra, DNP and David A. Baltierra, MD have indicated they have no relevant financial relationships to disclose.
LEARNING OBJECTIVES

1. Participants will be able to describe and use an integrative model for teaching maternal and neonatal survival in a resource-limited environment to teams of health care workers

2. Participants will recognize the critical role simulation can have in a resource-limited environment in terms of transfer of skills, direct patient care, and trainer development

3. Participants will be able to identify techniques to teaching and implementing this model of simulation in their own health care environment
Helping Mothers Survive

A program to keep mothers and newborns alive and thriving.

Innovative Training to Help Frontline Health Workers Save Lives
Programming Tools

To help you start planning for a highly effective and sustainable HMS program, refer to the programming tools below and reference documents when planning and implementing your program.

IMPLEMENTATION GUIDE

Download the Helping Mothers Survive Implementation Guide for in-depth guidance on the HMS approach, program design, planning and implementation, and monitoring and evaluation.

DOWNLOAD THE GUIDE

PROGRAM AND IMPLEMENTATION BRIEFERS

For cheat sheets on best practices, please refer to our Program and Implementation briefers below.

- HMS Procurement
- HMS Budget
- HMS Facility-Based Training
- HMS Twinned Approach
- HMS Trainer Cascade

PROGRAM STANDARDS

Do you want to self-certify your project as an HMS Program? Check out the Program Standards and let us know if your program is self-certified by sharing the form with the HMS Secretariat.

SELF CERTIFY

MONITORING AND EVALUATION TOOLS

Want to document the progress of health care providers and success of your program? Check out the monitoring and evaluation tools here as a guide for the collection of high-quality data.

- HMS Supportive Supervision Tool

https://www.jhpiego.org/hms/training-materials/
### Simulated or Live Observations (Live Observations Preferred)

**Supervisor Instructions:** *Note, this section must be completed by an HMS Trainer.* Conduct observations and answer the following questions. Mark “process not observed” and skip to the next section if you were only able to observe part of the process or if it was not applicable to the clients or simulation observed. **Answer the following questions, as appropriate to site and module content used:**

<table>
<thead>
<tr>
<th>Total # of (simulated or live) observations:</th>
<th>Process not observed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(skip to next section)</td>
<td></td>
</tr>
</tbody>
</table>

### A. Bleeding after Birth OSCE1 N/A

<p>| | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1A. Following delivery of the infant, the provider checks for a second baby.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2A. Tells the woman what medication she is being given.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3A. Gives uterotonic medication within one minute of delivery of the infant.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4A. Tells the patient why she is getting the medication.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5A. Cuts the cord and observes for: 1) changing/taking off first pair of gloves, 2) cutting after uterotonic.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6A. Applies counter pressure when performing controlled cord traction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7A. Performs controlled cord traction only when the patient is having a contraction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8A. Uses both hands to catch the placenta.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9A. Gently turns the placenta while it is being delivered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10A. Assesses fundal tone immediately following delivery of the placenta.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11A. Inspects the placenta for completeness.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12A. Checks the woman’s bleeding.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Observations:**
### V. Medication Storage And Availability

**Supervisor Instructions:** At all supervisory visits, ask to see where the medication and supplies are stored and observe the storage conditions of the related inventory.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1. Are gloves available during visit for provider use during patient care?</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Do staff have access to a refrigerator or icebox to cool medication?</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| 3. Oxytocin availability:  
It is advisable to have at least a three-month supply of oxytocin available. To calculate the amount needed for a three-month supply, use the following formula:  
Average # of births per month x 3.8 = approximate # of 10 IU ampules needed for three months = _________ recommended  
Total # of doses of unexpired drug observed: = _______ observed  
Is the total # of drug supply observed equal to or greater than the total # of drug stock recommended? | Yes | No |
| 4. Oxytocin handling:  
Is oxytocin stock rotated so that ampules that are oldest or | Yes | No |

**Site:**

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### Supportive Supervision Tool—continued

<p>| | |</p>
<table>
<thead>
<tr>
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<th></th>
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</thead>
<tbody>
<tr>
<td>5. Is misoprostol present in this facility today?</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| 6. Nonpneumatic antishock garment (NASG), if available, is intact and clean?  
- No broken straps observed  
- NASG is not visibly soiled at time of observation  
- NASG is properly cleaned after use, if observed | Yes | No | n/a |
| 7. Is magnesium sulfate present in this facility today? | Yes | No |
| 8. Is an antihypertensive drug present in this facility today? | Yes | No |

**Notes on medication storage and availability:**
HELPING MOTHERS SURVIVE

- https://www.jhpiego.org/hms/
- https://www.jhpiego.org/hms/training-materials/
Welcome to the Website for Helping Babies Breathe®

**Objective of HBB**
To ensure that all babies are born with a skilled birth attendant present.

**The Curriculum**
Helping Babies Breathe is a neonatal resuscitation curriculum for resource-limited circumstances. It was developed on the premise that assessment at birth and simple newborn care are things that every baby deserves. The initial steps taught in HBB can save lives and give a much better start to many babies who struggle to breathe at birth. The focus is to meet the needs of every baby born.

**The Golden Minute®**
Helping Babies Breathe emphasizes skilled attendants at birth, assessment of every baby, temperature support, stimulation to breathe, and assisted ventilation as needed, all within “The Golden Minute” after birth.

**Our Partners**
Helping Babies Breathe is an initiative of the American Academy of Pediatrics and many partners, including the US Agency for International Development (USAID), The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Saving Newborn Lives/Save the Children, and the Millennium Villages Project. The curriculum was...
HELPING BABIES BREATHE

• http://www.helpingbabiesbreathe.org
• http://www.laerdalglobalhealth.com/doc/2527/Helping-Babies-Breathe#/Info
Advanced Life Support in Obstetrics (ALSO®)

Sponsor an ALSO Course
Help others develop and maintain the knowledge and skills needed to effectively manage potential emergencies during pregnancy.

Advanced Life Support in Obstetrics (ALSO®) is an evidence-based multidisciplinary training program that prepares maternity health care providers to better manage obstetric emergencies. ALSO’s evidence-based learning path bridges knowledge gaps and boosts skill sets using a team-based approach, hands-on training, and mnemonics to reduce errors and save lives.

Improving outcomes and saving lives for more than two decades, ALSO offers three course types—Provider, Instructor, or Refresher—as well as course sponsorship opportunities. Be part of the success story. Register for, or sponsor, a course today.
ALSO (MODIFIED)

• [http://www.aafp.org/about/initiatives/also.html](http://www.aafp.org/about/initiatives/also.html)
Advanced Life Support in Obstetrics

ALSO® International and Global ALSO®

ALSO International

ALSO Provider and Instructor Courses are administered in 62 countries, helping health care providers throughout the world develop and maintain the knowledge and skills they need to effectively manage potential emergencies during the perinatal period.

The AAFP holds a license agreement with many countries. Before planning to implement the ALSO or BLSO programs in a specific country, please contact the ALSO staff to determine if the program is under a license agreement and to find the appropriate contact for the country.

View the following videos to learn more about ALSO International:

- **About ALSO International**
  - Learn what ALSO® does and how it helps people around the world.
  - [VIDEO: ABOUT ALSO INTERNATIONAL](#)

- **ALSO Global Maternity Health**
  - Review images of the ALSO program from programs conducted around the world.
  - [VIDEO: ALSO GLOBAL MATERNITY HEALTH](#)

- **ALSO Palestine**

- **ALSO Argentina**

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International Programs

- ALSO Nicaragua (2 page PDF) — Learn how the ALSO program was implemented in Nicaragua in December 2009.
- ALSO Chile (2 page PDF) — Learn how the ALSO program was implemented in Chile in September 2009.
- ALSO Iceland (1 page PDF) — Learn how the ALSO program

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International Contacts
International Course Proposal Guidelines
Translations of ALSO
GLOBAL ALSO (MODIFIED)

- http://www.aafp.org/about/initiatives/also/international.html
- http://www.aafp.org/about/initiatives/also/international/contacts.html
NEONATALIE
MAMANATALIE
MAMAU
SIMULATORS FROM LAERDAL GLOBAL HEALTH

• NeoNatalie
  http://www.laerdalglobalhealth.com/doc/2528/NeoNatalie

• MamaNatalie
  http://www.laerdalglobalhealth.com/doc/2545/MamaNatalie

• MamaU
  http://www.laerdalglobalhealth.com/doc/2540/Mama-U
PUTTING IT ALL TOGETHER

- Helping Mothers Survive PLUS Helping Babies Breathe
- Shoulder Dystocia
- Breech Delivery
- Teamwork
- Multidisciplinary
- Hands-On
- Shared Collaborative Learning and Care
CONTACT INFORMATION

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