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## Helping Mothers Survive and Helping Babies Breathe in West Africa: Nurse-midwives Bringing High Impact Interventions to Low- Resource Settings

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# Faculty Disclosure

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Conflicts of Interest	None
Employer	Jhpiego
Sponsorship/Commercial support	None

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Conflicts of Interest	None
Employer	Jhpiego
Sponsorship/Commercial support	None

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# Goals and Objectives

- **Session Goal:**
  - Highlight a capacity building approach led by nurse-midwives in West Africa to combat leading causes of maternal and newborn deaths
- **Session Objectives**
  - Describe the combined HMS and HBB approach, including evidence and benefits
  - Describe the nurse-midwife-led approach used for reaching providers in-low resource settings in francophone Africa

**Globally, maternal and infant mortality rates have fallen... but those rates are still high in many low-income countries**



# Saving lives at birth

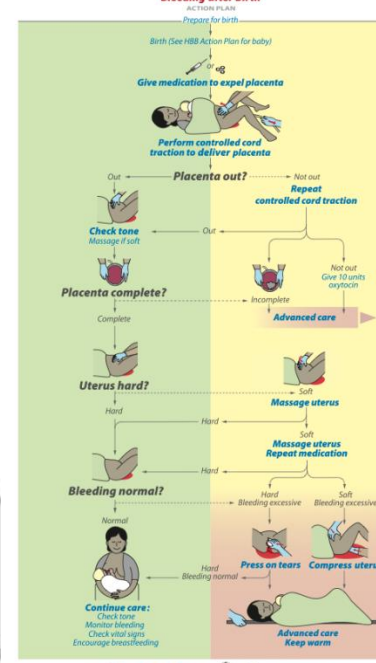
Helping Babies Breathe

Helping Mothers Survive



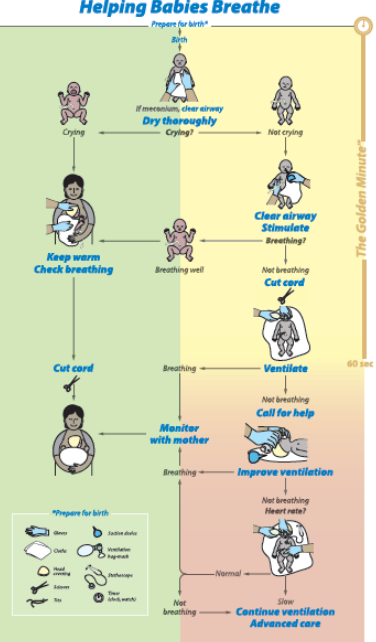
Bleeding After Birth

## Helping Mothers Survive

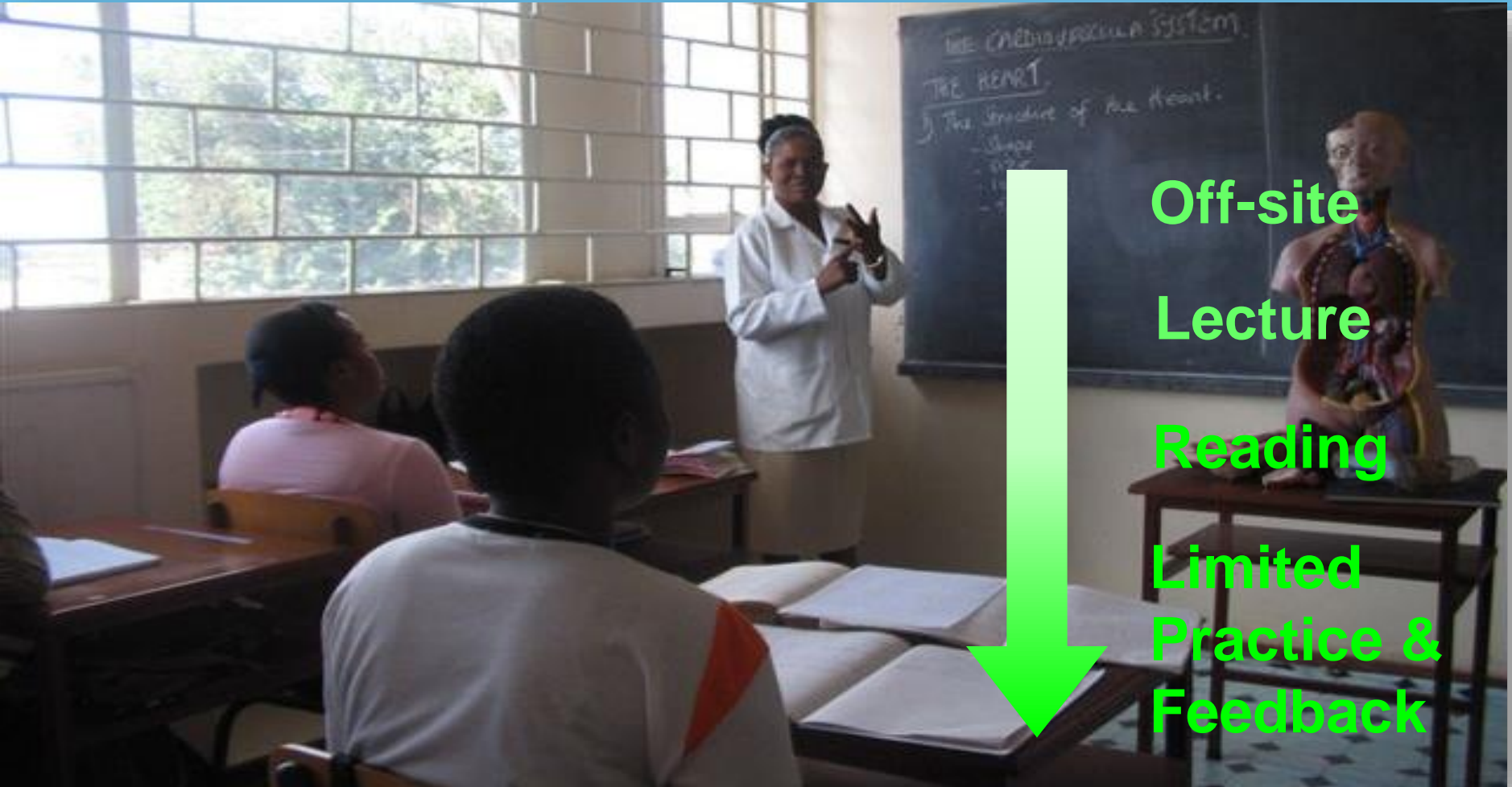


## Helping Babies Breathe

ACTION PLAN



# Literature shows we need.... **LESS**



Off-site

Lecture

Reading

Limited

Practice &

Feedback

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# We need... **MORE**

**On-site**

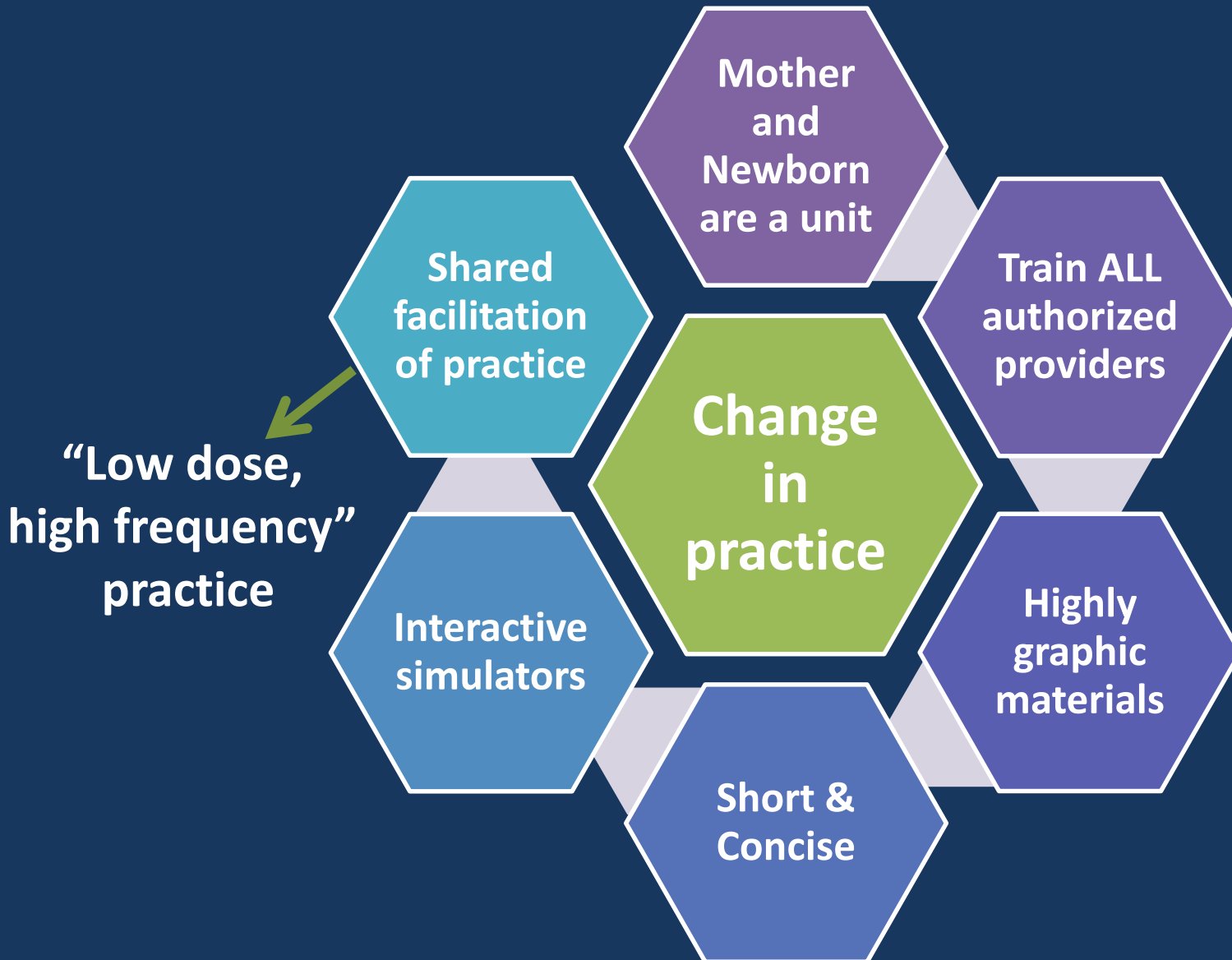
**Simulation**

**Case-based**

**Immediate/Repeated  
Practice & Feedback**



# TRAINING CONCEPT





# What is Different?

- Trains providers where they deliver women
- Reaches providers who may not be included in SBA trainings
- Works with the entire team

# Uganda - 2014



12 districts

125 facilities (all public)

~ 755 providers

~ 70,000 births

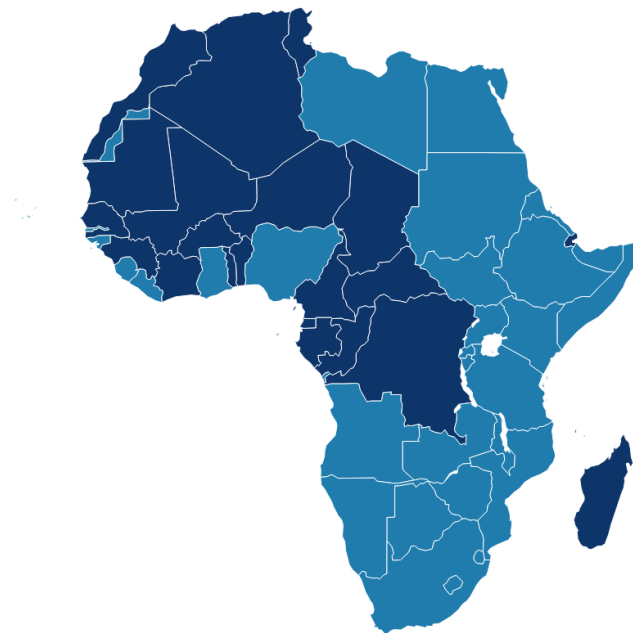
# Results: Directly observed care in facilities with and without CM support for practice

Indicator	Control			Clinical Mentor for practice		
	Baseline	Midline	p-value	Baseline	Midline	p-value
Provider washes hands with soap/water or uses alcohol rub	35%	47%	0.044	35%	58%	<0.001
Prepares Uterotonic drug for AMTSL	79%	79%	0.927	77%	93%	<0.001
Prepares self-inflating ventilation bag	31%	42%	0.073	36%	62%	<0.001
Uterotonic given within 1 min of birth	11%	24%	0.004	16%	34%	<0.001
Uterotonic given within 5 min of birth	59%	68%	0.113	77%	95%	<0.001
Visually assesses amount of bleeding within 1 min of delivery of placenta	50%	42%	0.176	60%	67%	0.05
Places baby on mother's abdomen "skin to skin"	34%	55%	<0.001	33%	61%	<0.001
Ventilates at a rate of 30 to 50 breaths/minute	50%	50%	1.000	42%	88%	<0.01
Provider encourages mother to initiate breastfeeding	13%	53%	<0.001	30%	70%	<0.001

\*

# Why Francophone Africa?

<b>Country</b>	<b>Maternal Mortality</b> (per 100,000 live births)	<b>Neonatal Mortality</b> (per 1,000 live births)
• Burkina Faso	371	6.7
• Chad	856	39.3
• Guinea	679	31.3
• Mali	587	37.8
• Mauritania	602	35.7
• Niger	553	26.2
• Senegal	315	20.8



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# Francophone Regional Partnership

- Partnership with French Red Cross, AMREF, UNFPA, Jhpiego and Laerdal Global Health
- 18 Master Trainers from 9 countries were trained in HMS and HBB and 30 Champions
- Trainers and MoH representatives developed implementation plans for their home country



After the workshop, trainers and ministry officials have been working with nurse-midwives to scale up the combined approach



Midwife-led implementation

# Mauritania



9 midwives have reached 63 providers from 27 health facilities in the Gorgol region

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# Niger



## South-to-south collaboration

2 midwives from DRC  
Mentored 13 trainers  
in the Zinder  
Region, Niger.

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# Senegal, Haiti, Burkina



