

A photograph showing a man in a white shirt on the left, a woman in a black dress and red headscarf in the center holding a baby, and another woman in a red and white patterned sari on the right holding a pamphlet. They are all looking towards the right. The background features a window with a decorative metal grille.

Helping Babies Breathe
...and survive
...and thrive

Susan Niermeyer, MD, MPH, FAAP
University of Colorado Aurora, CO
USA

Helping Babies Breathe...and Survive...and Thrive

addressing challenges in global neonatal survival

- **Innovate:** educational content, design, models and equipment
- **Collaborate:** Global Development Alliances
- **Transform:** reach, effectiveness, quality improvement
- **Sustain to impact:** ongoing collaborations, country ownership



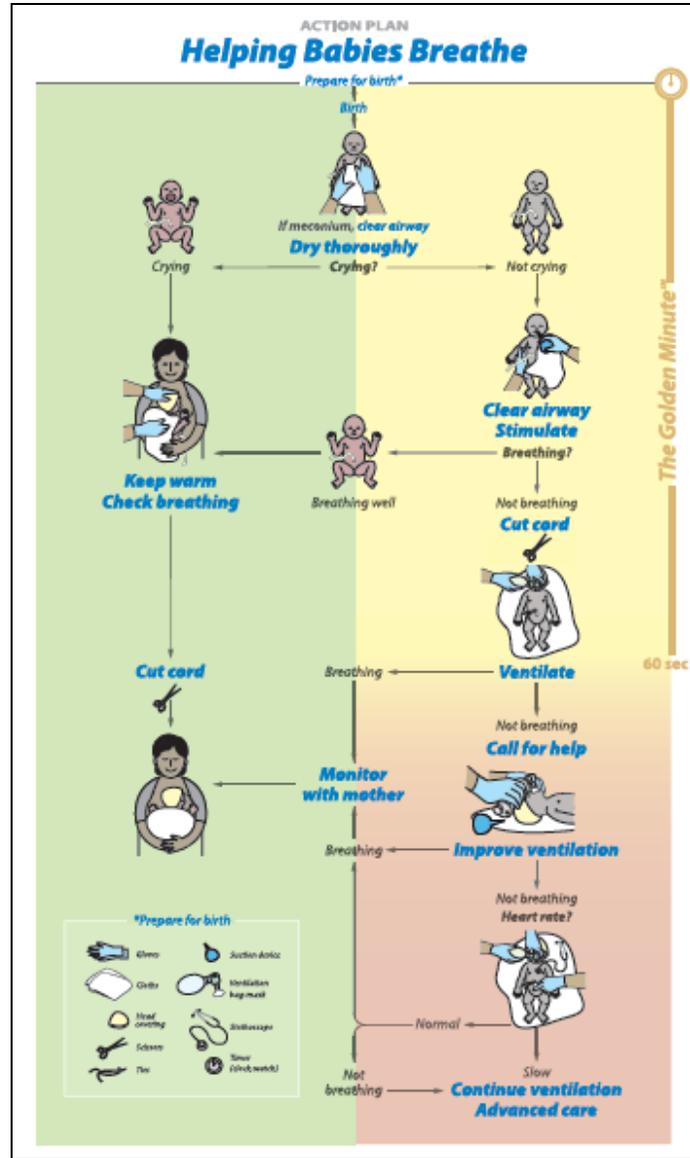
At the midpoint of the MDG timeline





Helping Babies Breathe®

FIRST EDITION



- **Action Plan**
Evaluation, decision, action steps
- **Basic lifesaving actions**
Drying
Clearing the airway as needed
Simulating to breathe
Keeping warm
Delaying umbilical cord clamping
Ventilating with air
- **Paradigm shifts**
Preparation
The Golden Minute
Care of baby with mother

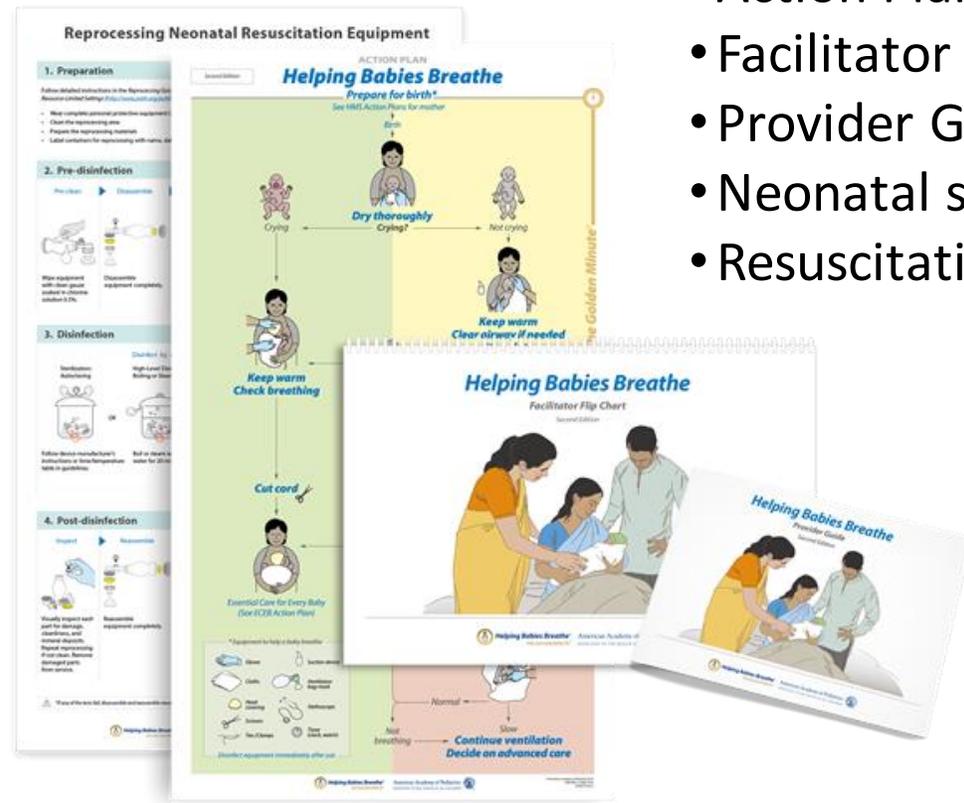


Helping Babies Breathe®

SECOND EDITION

Learning materials:

- Action Plan
- Facilitator Flip Chart
- Provider Guide
- Neonatal simulator
- Resuscitation equipment and reprocessing guidelines



Educational design: key principles



- Effectiveness of basic steps, not intensive care
- Graphic Action Plan and learning materials
- Purpose-built neonatal simulator for skill-building and practice
- Empowerment of birth attendants to change performance and outcomes

Educational design: peer learning/teaching



Pre-service education



In-service continuing professional education



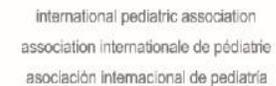
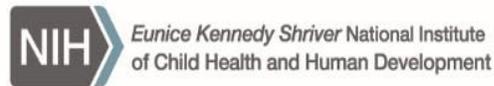
Helping Babies Breathe Global Development Alliance

Vision:

Significantly reduce neonatal mortality due to birth asphyxia



A Global Public-Private Alliance



Birth Day of Helping Babies Breathe GDA



survive & thrive Global Development Alliance

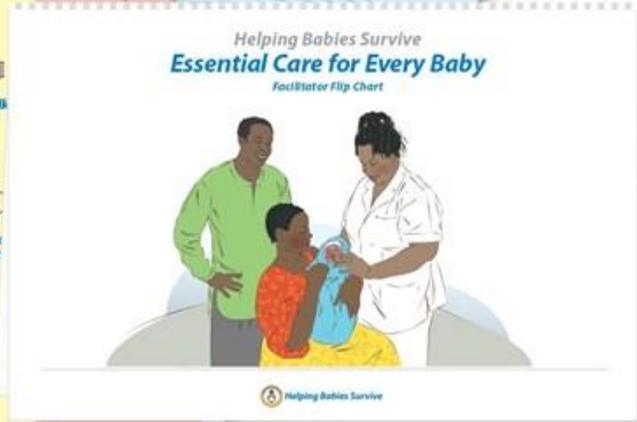
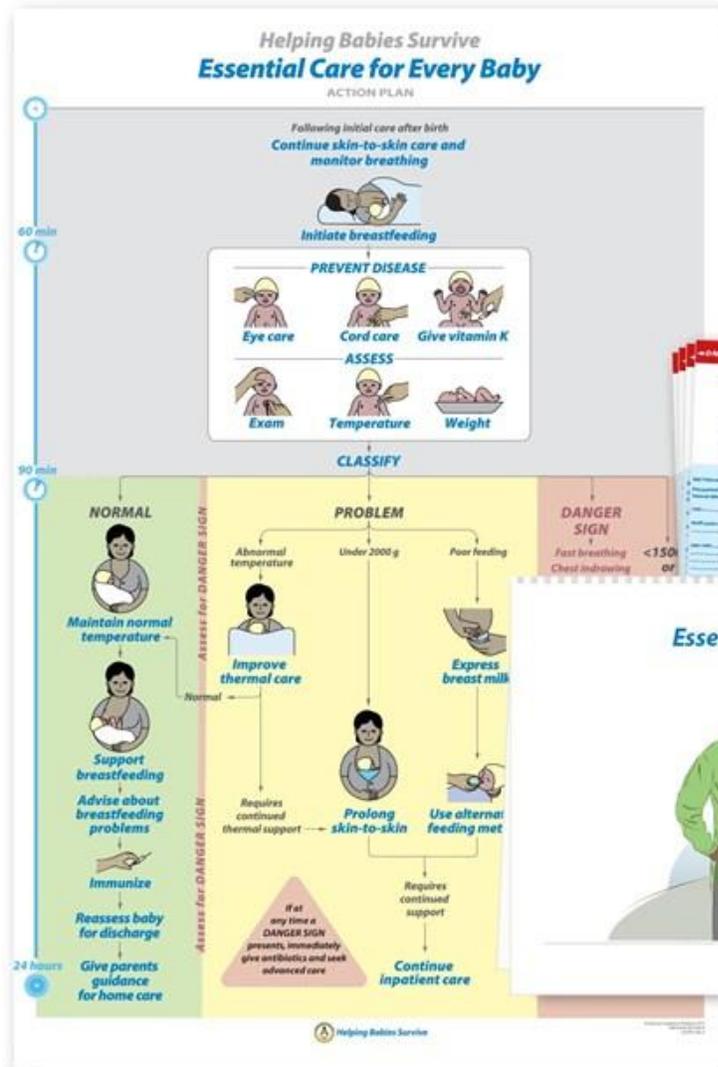


With USAID's Support

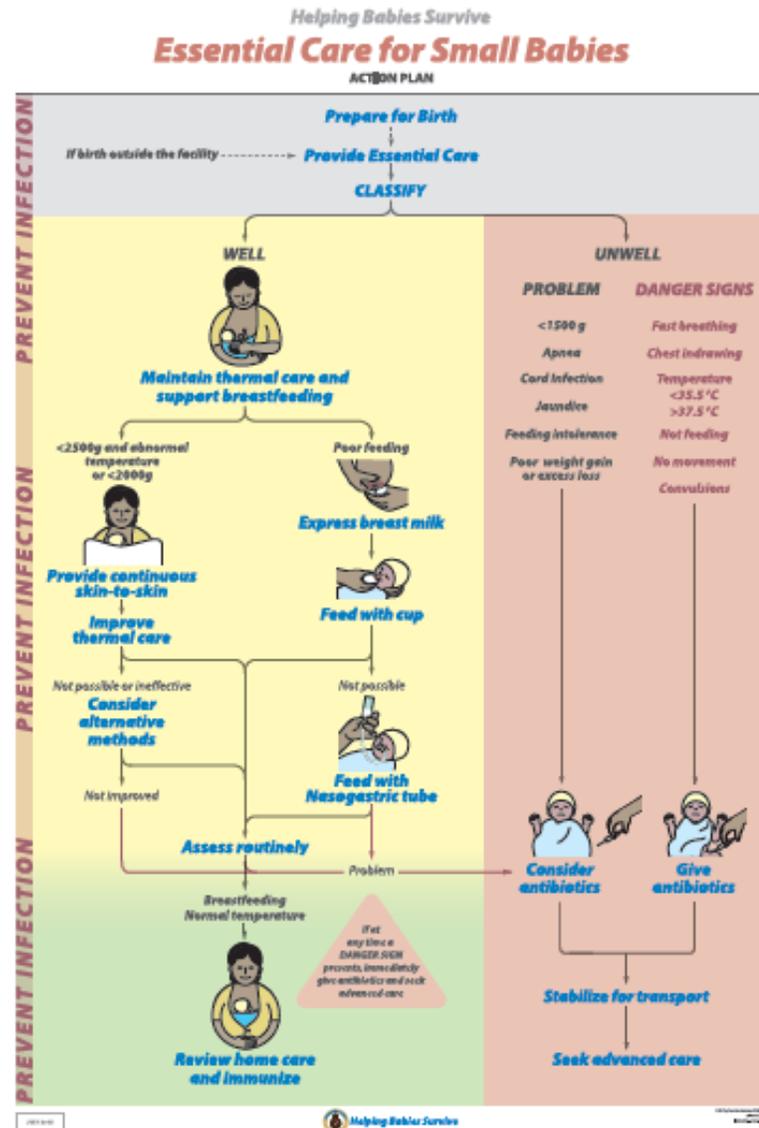


Formed in 2012, the Survive & Thrive Alliance merged with the previously formed Helping Babies Breathe Global Development Alliance.

Essential Care for Every Baby



Essential Care for Small Babies



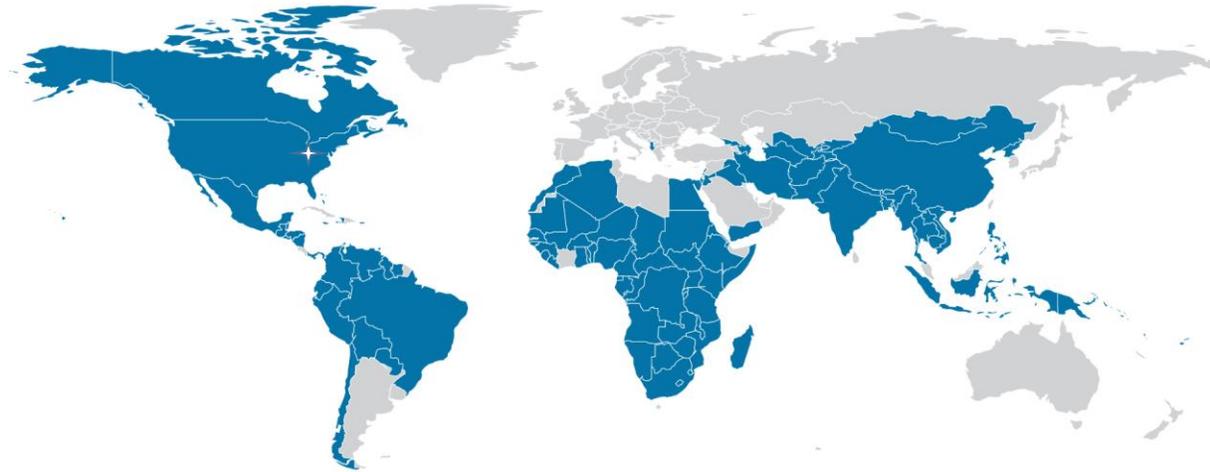


Equipment for simulation and clinical care: skills, decision-making, communication



Helping Babies Survive

implementation in > 80 countries from 2010-2018



52 programs led and coordinated by national governments

30 integrated maternal/newborn programs

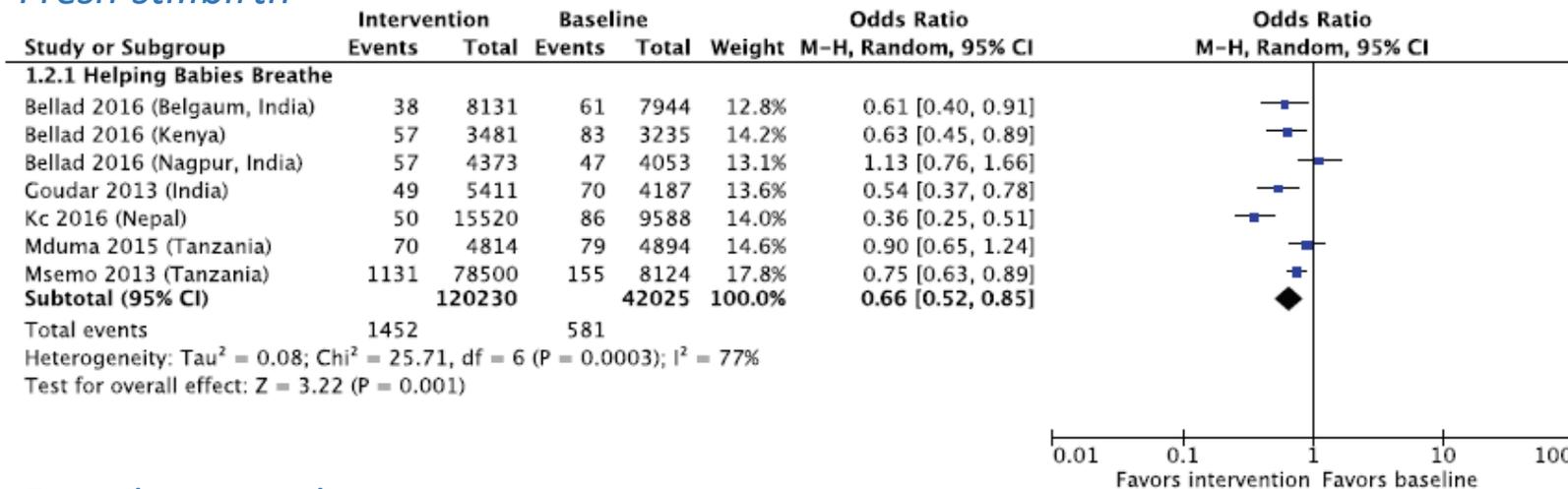
> 850,000 health providers trained and equipped by GDA



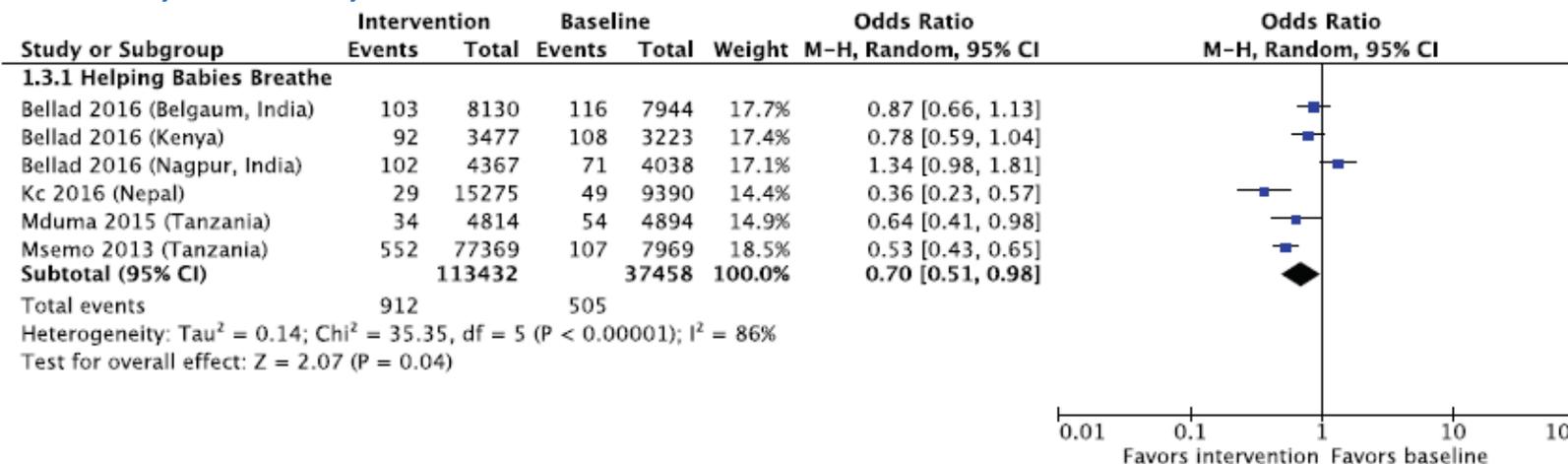
Helping Babies Breathe

effectiveness in reducing fresh stillbirths and first-day mortality

Fresh stillbirth

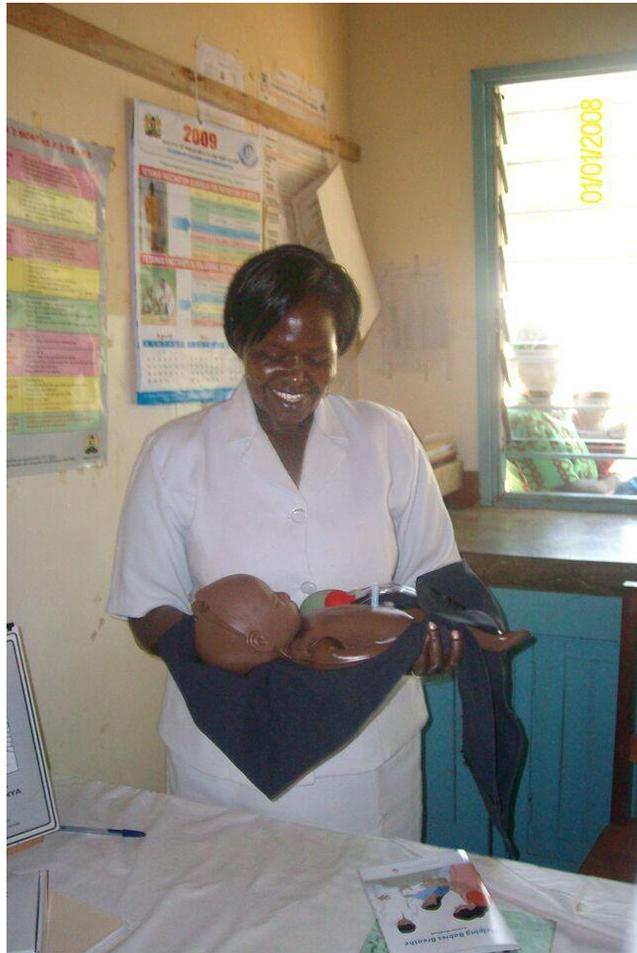


First-day mortality



Helping Babies Survive

transforming the potential for action on the frontline



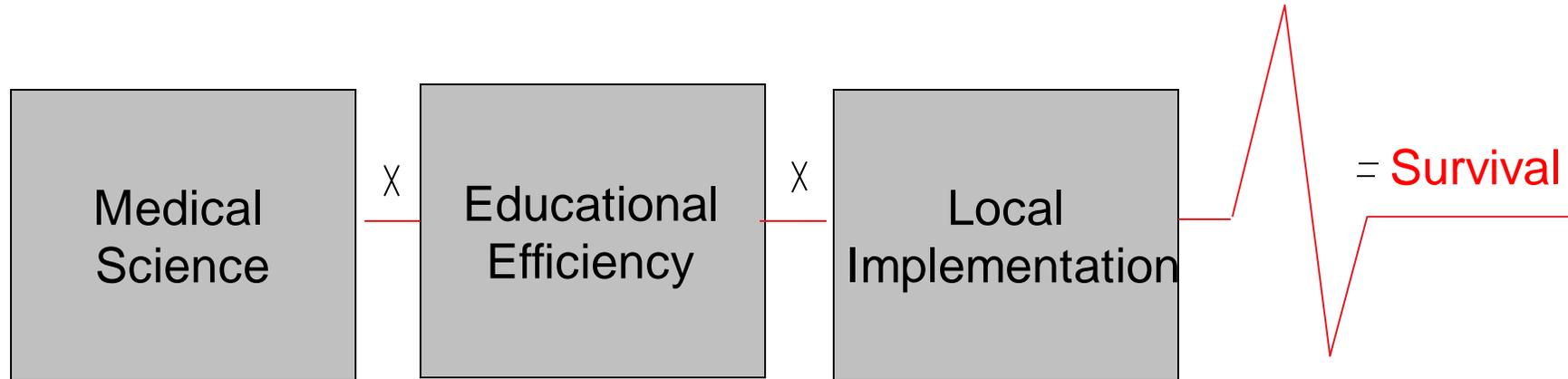
“[HBS is] a friendly monster that engulfs the minds, hearts, and hands of providers in the most vulnerable and under-staffed regions.” – nursing instructor, Tanzania

Helping Babies Survive

Sustain - to create impact

The Formula for Survival

patient survival is the product of three important factors



Best practice implementation to improve survival

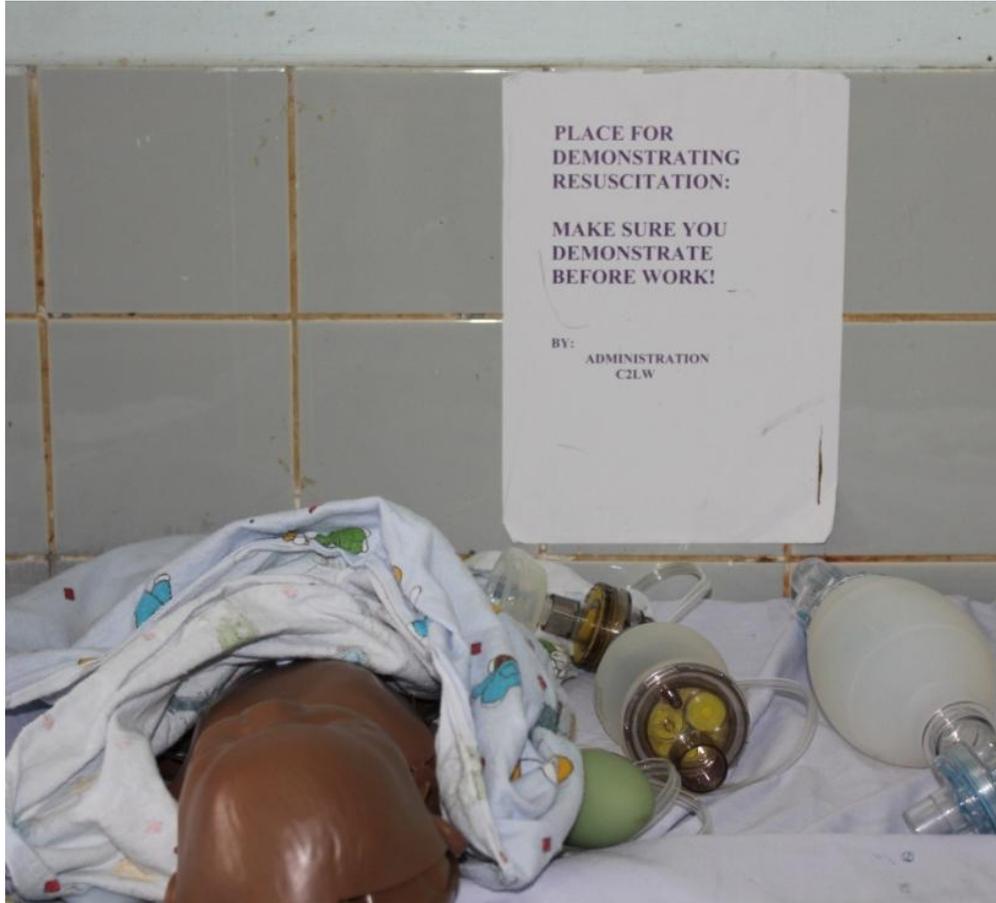
10 steps for Helping Babies and Mothers Survive



1. Secure Ministry of Health buy-in
 2. Form a working group for planning, training and monitoring
 3. Develop national roll-out plan for pre-service and in-service training, in both public and private sector
 4. Provide learning materials & equipment at time of training
 5. Identify and support local leaders and champions
 6. Establish Low Dose High Frequency refresher training
 7. Establish facility level quality improvement teams
 8. Monitor performance
 9. Establish a system for reporting and feedback
 10. Engage health providers, families and the broader community
- <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0178073>



Low-dose, high-frequency practice *Tanzania*



- Routinized practice of skills
- Simulators in the delivery room for debriefing
- Midwife “champion” at each delivery site

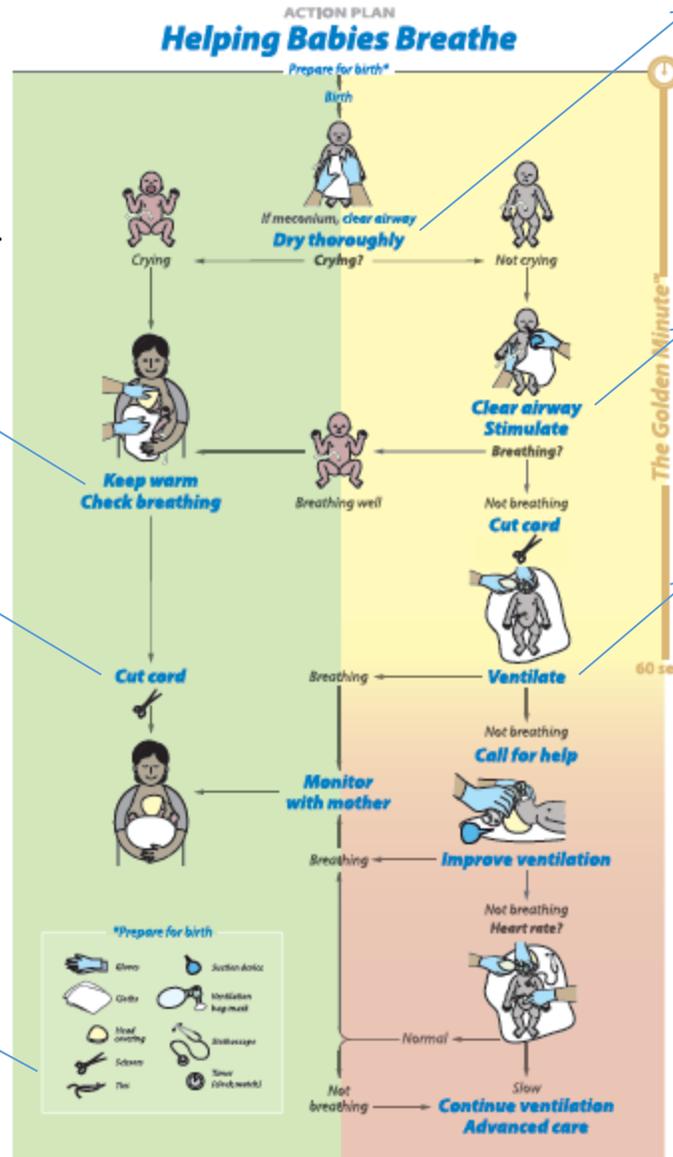


Using the Action Plan to create change

Are all babies placed skin-to-skin with the mother after drying?

Is umbilical cord clamping delayed for at least 1 minute?

Is equipment prepared and checked before every delivery?



Are all babies dried thoroughly immediately after birth?

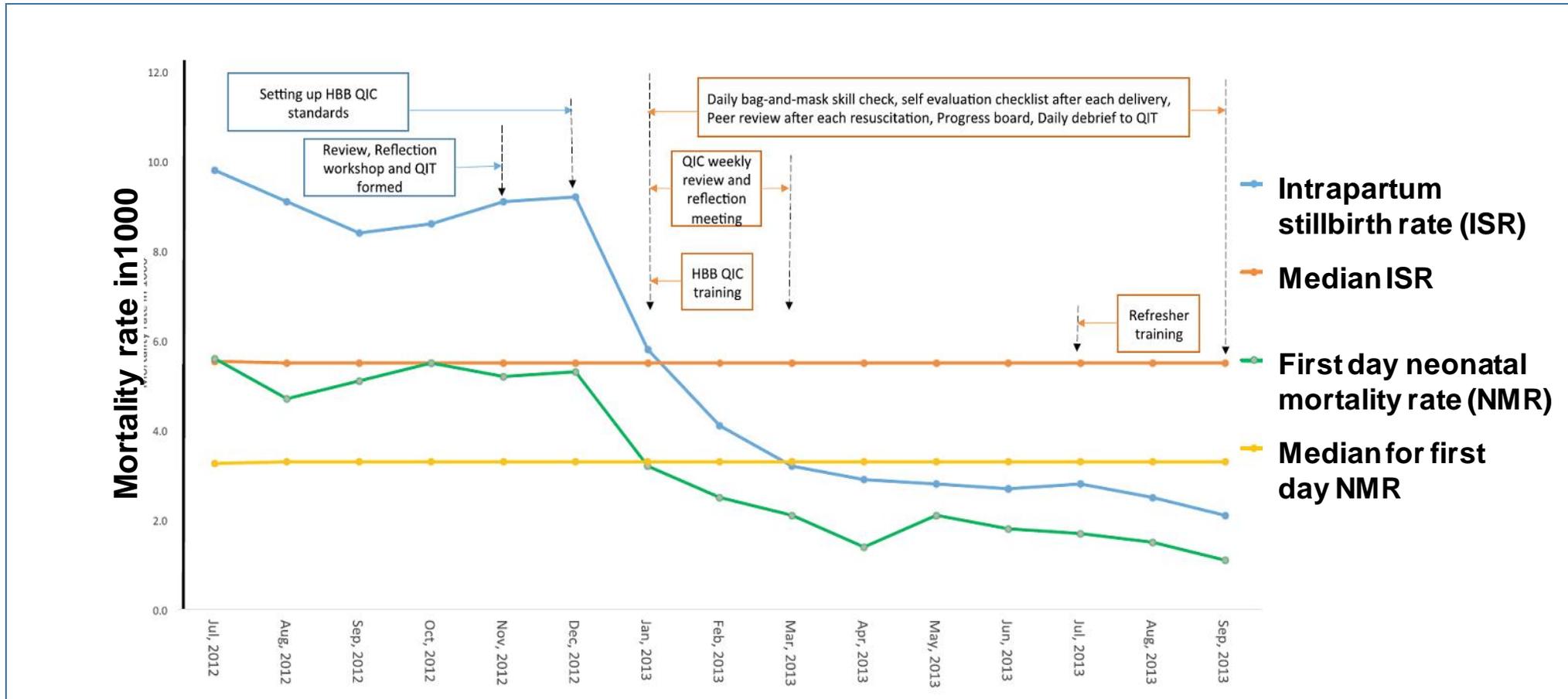
Do all babies have the airway cleared for visible secretions or obstruction only?

Do all babies who do not breathe after stimulation receive bag and mask ventilation by 1 minute?



Impact of training, practice, quality improvement

Nepal



Key lessons from Helping Babies Survive



- Simplicity and clarity open the door for change
- Facility-based skills training initiates change
- Practice, mentoring and empowerment of health workers solidify change
- Monitoring, data collection and utilization of data to improve care support continued change
- Catalytic role of the initiative spreads change
 - Focusing attention on babies (and their mothers)
 - Demystifying interventions (resuscitation, thermal care)
 - Demystifying processes (quality improvement)
- Articulating a goal on behalf of all the world's children can drive change

Helping Babies Survive changed the global landscape for newborn survival

- Developed an evidence-based, innovative educational methodology
- Stimulated national plans and budgets to reduce newborn mortality
- Increased access to lifesaving essential newborn care and training equipment
- Demonstrated the key role of quality improvement
- Proved the role of strong professional associations





**ENC
Now!**

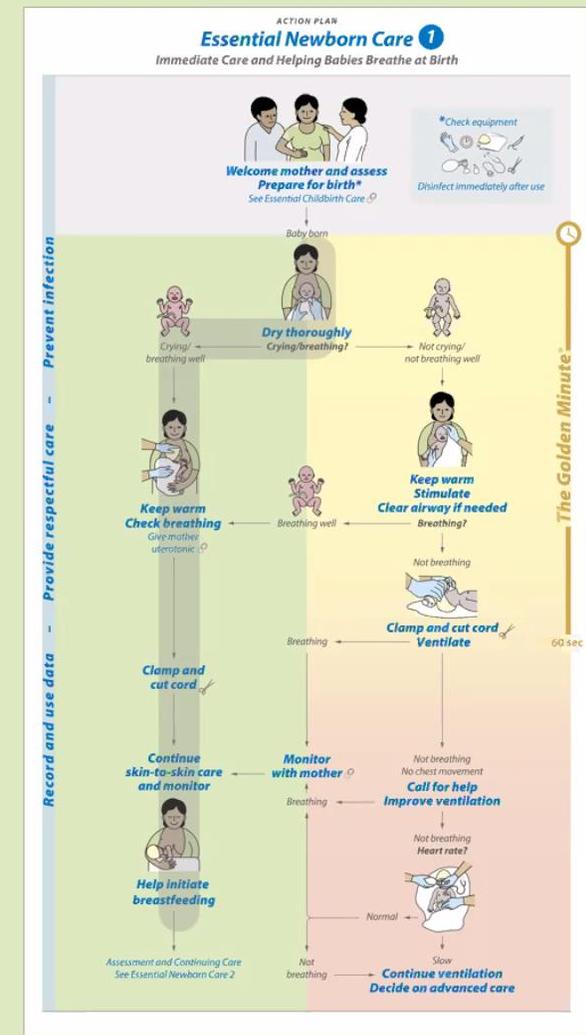


GROUP PRACTICE

Routine Care



URL: tiny.cc/enccase2





Helping Babies Survive – looking forward

- **Innovate and collaborate:** work in partnerships to increase impact
ENC Now! – digital materials for remote facilitation of HBB
WHO Essential Childbirth and Newborn Care – global standard educational package
- **Transform capacity building:** preservice, as well as in-service education
- **Implement with country ownership:** strengthen health systems to improve the availability and quality of newborn care and institutionalize newborn resuscitation

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Perlman JM et al. Pediatrics 2020;146:S194

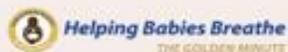
Patterson J et al. Pediatrics 2020; 146:S226

Helping Babies Breathe

Lessons learned guiding the way forward

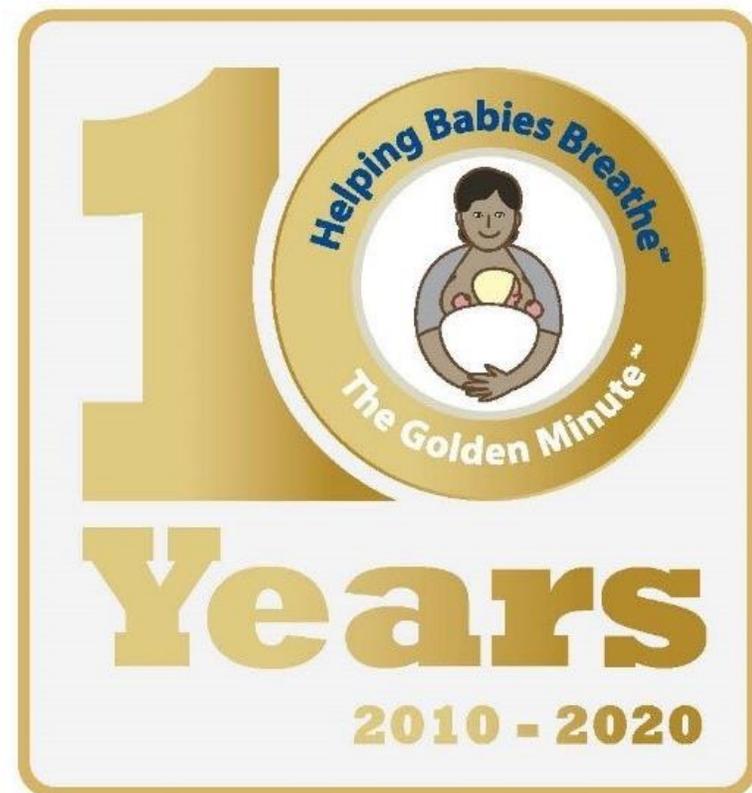


A 5-year report from the HBB Global Development Alliance



5 YEAR REPORT 2012 - 2017

Guiding the way forward



PEDIATRICS®

OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

October 01, 2020; Volume 146,
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Helping Babies Breathe: A Decade
of Experience in Improving
Newborn Care

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