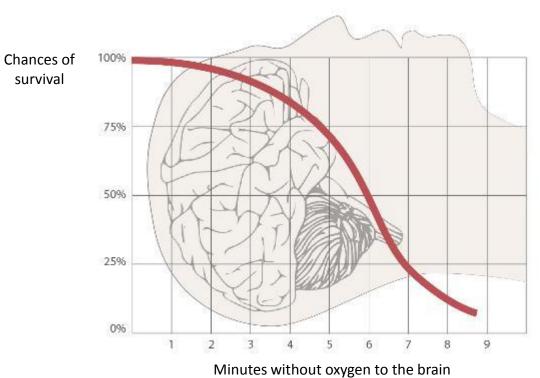


Video presenting Helping Babies Breathe



Restoring oxygen supply to the brain

Same need for asphyxiated babies and OHCA victims



What helps asphyxiated babies breathe?

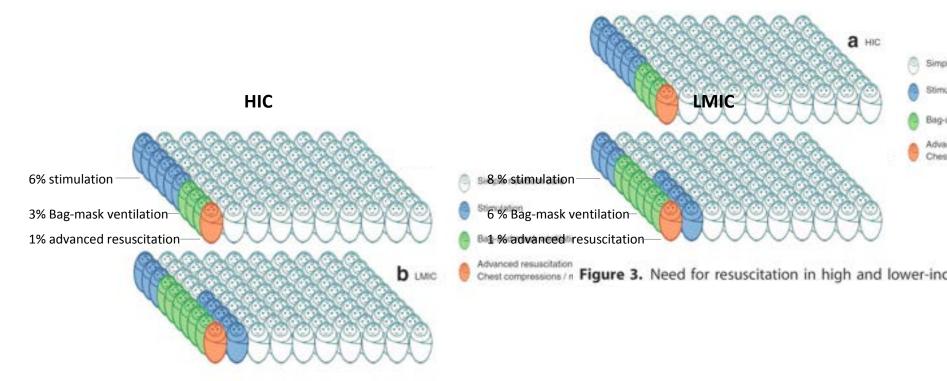
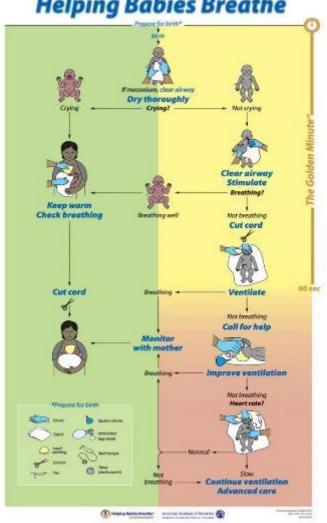


Figure 3. Need for resuscitation in high and lower-income settings.

Helping Babies Breathe







The Chain of Survival

"It takes a system to save a life."



Local Solutions for Local Problems

Low income Rural Settings

Medium income Urban Settings



Haydom, Tanzania



Malawi



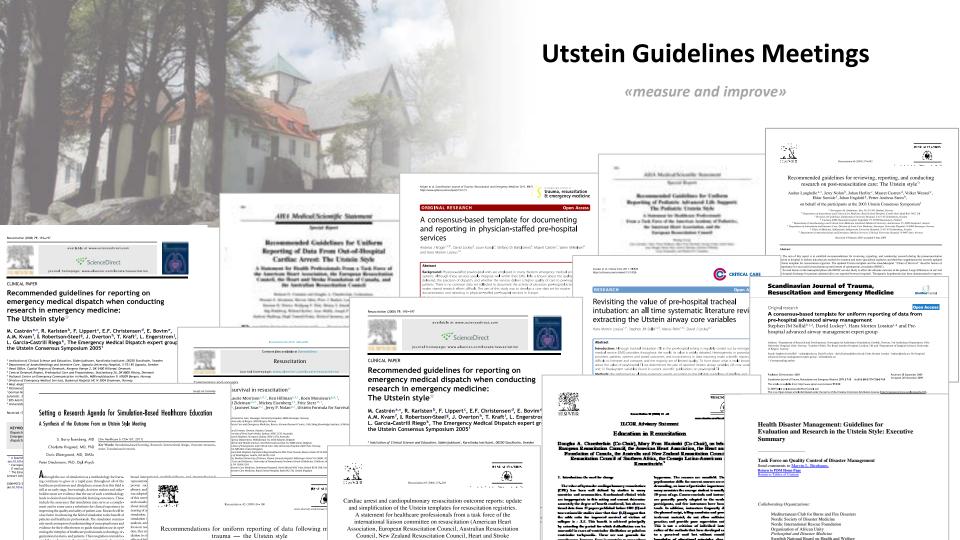
China, Shanghai

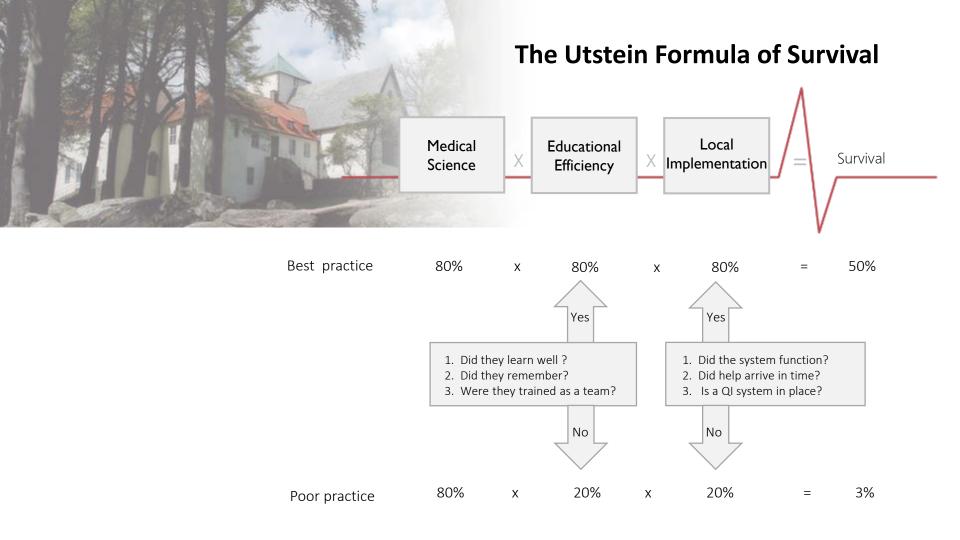


Uganda



India, EMRI - GVK





Improving Survival from Out-of-Hospital Cardiac Arrest:



A Call to Establish a Global Resuscitation Alliance



Best Practice

10 Steps to Increase Survival from OHCA in HIC

- 1. Cardiac arrest registry
- 2. Telephone CPR for more and better CPR
- 3. High performance EMS CPR
- 4. Rapid dispatch
- 5. CPR performance data
- 6. First responder AED programs
- 7. Smart technologies to expand CPR and PAD
- 8. CPR/AED training in schools and the community
- 9. Accountability
- 10. Work towards a culture of excellence

https://foundation915.files.wordpress.com/2016/07/a-call-to-establish-a-global-resuscitation-alliance-2016.pdf





Successful implementation of Helping Babies Survive and Helping Mothers Survive programs—An Utstein formula for newborn and maternal survival

Hope L. Eraba" - Ration Dinghad", Caurgino Masson", Aphiah KC^{**}, Seniantre-Data", Nantan T. Maya", (Daniel L. Erason", Adhing Datah", Jahlay M. Pariesan", Santan Memaya", on behalf of the participants in the Utabelia conservous process from to implement successful Halping Batters Souries and Halping Mothers Souries programs."

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Abstract

Globally, the buston of deaths and dress is all unacceptable high at the day of both. Army ally, approximately 200,000 econor dis related to creditarb, 2.7 million believe dis-within their limit riscords of title, and 2.5 million leaders are addition, Many of these leadings moved by available by basis. 3nd privings pare. From adventions wright for world had the recreasing plate and comparisonals to manage the throughouts complications around the time of lattic. Thus, the minimative Helping Baltons Surviva (HBSS) and Helping Mothers Surviva (HBSS). programs one-ged to meet the reserve more practical, fee-coal, and lose-tech simulation based basing. This paper pricettes users of HEE and HAES programs a 15 point for of key implementation stops to create auctained impact, healing to revessed survival of mothers. and tailies. The lid evolved through an Ulutan comprision pricessi, mustyre a broad upon trum el internazional captera activo the liabil, and can be usual as a means to qualit processes. is the represent countries. Successful implementation of HES and HMS harring programs require country lest connectment, made and fulless up to create boar accountability and perentilip. Each country has to identify its own pigs and deline testalic service delivers standards and patient subsome poals stoperating on poalstile financial resources for dissemination and trustament.



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Best Practice

10 steps for Helping Babies Breathe in LMIC

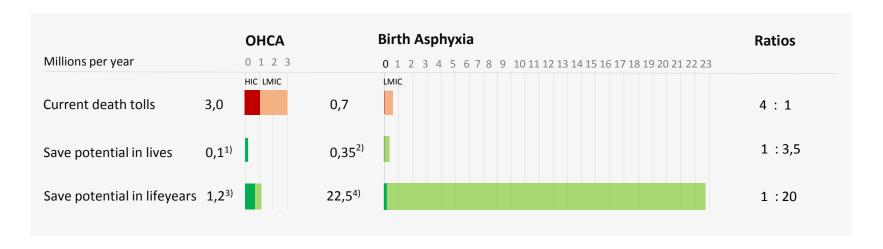
- 1. Secure Ministry of Health buy-in
- 2. Form a working group for planning, training and monitoring
- Develop national roll-out plan, for pre-service and in-service training, in both public and private sector
- 4. Provide learning materials & equipment at time of training
- 5. Identify and support local leaders and champions
- 6. Establish Low Dose High Frequency refresher training
- 7. Establish facility level QI teams
- 8. Monitor performance
- 9. Establish a system for reporting and feedback
- 10. Engage HCPs, families and the broader community



In Summary

- Helping Babies Breathe is a culturally adapted newborn resuscitation program that has been successfully introduced in 80 LMIC.
- 2. Studies in four countries show that when well implemented the program can reduce early newborn mortality by 50 %.
- 3. Lessons learnt have been summarized in an Utstein paper that also has established a 10 step Best practice for implementation of the program

Save Potential from Birth Asphyxias vs. OHCA



Assumptions: 1) Increasing current survival in HIC from 10 to 15%, per goal of GRA, and assuming increase in survival from 1 to 3,5% in LMIC

- 2) Reducing early mortality rate by 50% with quality implementation of HBB, per published studies in Tanzania, Nepal, Uganda and Ghana
- 3) 12 extra lifeyears saved per patient
- 4) 70 extra lifeyears per patient

Note:

The Lancet Stillborn Series (Jan2016) reports that half of the 2,6 mill stillborn have a cardiac activity during labor, and possibly would have been more correctly classified as birth asphyxia. If we assume that 25% of these "fresh stillborn" (= birth asphyxia) could be saved per the studies in Tanzania, Nepal, Uganda and Nepal, the ratios for save potential would approx. have doubled in favour of birth asphyxia, to 1:7 and 1:40



Question;

Should newborn resuscitation be made part of the GRA in LMIC?

- Simple interventions can help avoid many of the over 700,000 asphyxia deaths and fresh stillbirths occur every year out-ofhospital in LMIC
- 2. Asphyxiated newborns can be saved through immediate actions, even in places when there is no system for full chain of survival