

THE SAFE DELIVERY APP

Empowering skilled birth attendants to provide a safer birth for mothers and newborns everywhere.



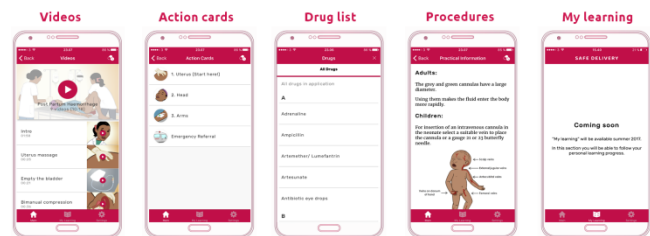
The Safe Delivery App provides skilled birth attendants direct and instant access to evidence-based and up-to-date clinical guidelines on Basic Emergency Obstetric and Neonatal Care (BEmONC). The App was created in 2012 with support from MSD for Mothers, and in collaboration with the University of Copenhagen and the University of Southern Denmark, and is currently supported by The Bill and Melinda Gates Foundation as well.

CONTENT

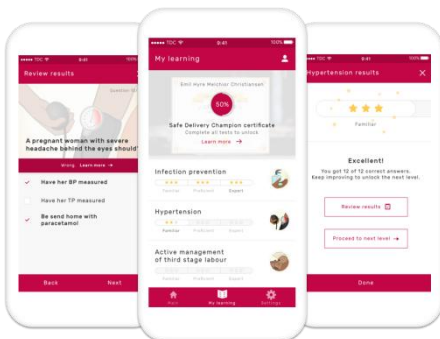
The App contains the latest WHO clinical guidelines on BEmONC: infection prevention, post-abortion care, hypertension, active management of third stage of labour, prolonged labour, post-partum haemorrhage, manual removal of placenta, maternal sepsis, neonatal resuscitation, newborn management. The App is organized by the subject areas.

FEATURES

It contains four basic features: easy to understand animated instruction videos, action cards, drug list and practical procedure instructions. All features and functions are designed for low-literacy, low-income settings and work completely offline once downloaded. The 10 instruction films include the seven signal functions of BEmONC and an additional three essential procedures on infection prevention, newborn management and active third stage of labor. The videos are between 5 – 7 minutes and can be watched in sections.



Coming soon: Maternity Foundation is in the process of developing an adaptive learning module on the Safe Delivery App, which will create a learning experience unique for each user based on his or her knowledge level, skills and learning preferences. Users will be able to track their progress over time, score points and eventually earn a certificate if they master all knowledge and skill areas. Using gamification techniques, this module will further engage users in routine and sustained learning over time. Please stay tuned for more!



RANDOMIZED CONTROL TRIAL

With the support of MSD for Mothers, the first four films of the app (Active management of third stage labor, Post-partum hemorrhage, Manual removal of retained placenta, and Neonatal resuscitation) were tested in a one-year

Figure 1: PPH Skills

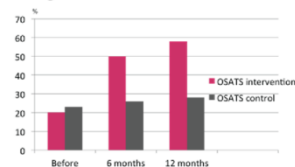


Figure 2: NR Skills

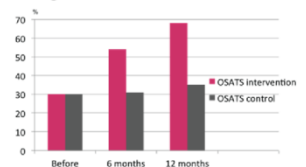


Figure 3: PPH knowledge

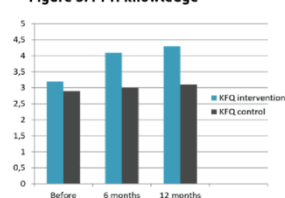
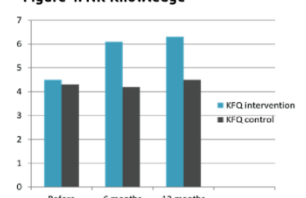


Figure 4: NR Knowledge



randomized controlled trial in 78 facilities in Ethiopia in 2014 to assess the impact on health workers life-saving skills and knowledge. Key results revealed a significant increase in the skills and knowledge level of the health workers using app, e.g.: at 12 months health workers ability to handle post-partum hemorrhage (PPH) and to resuscitate a newborn (NR) more than doubled. These results were published in 2016 in JAMA Pediatrics which can be viewed [here](#).

USES CASES



Pre-Service Training



In-Service Training



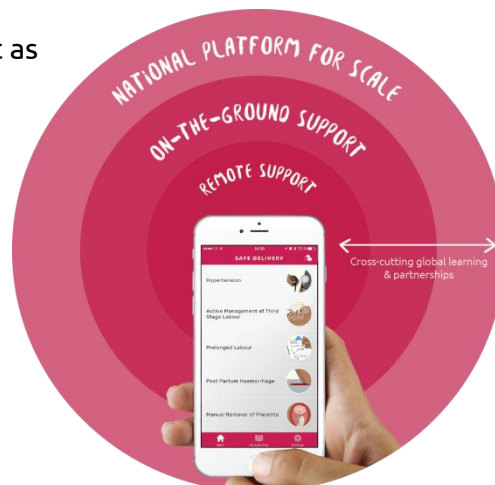
Job Aid

The App can be used as a tool to improve skills, knowledge and practice in a variety of ways determined by the need of existing health systems, programs, facilities and individual skilled birth attendants. Examples include: continuous use for

learning in users' own time, as an emergency job aid, pre-service and in-service training, to support competency-based education through strong video demonstration, to transfer of knowledge and skills to clinical sites, and for follow-up by supervisors.

IMPLEMENTATION

We believe that the Safe Delivery App will reach its full potential not as an isolated tool, but as an integrated part of health system strengthening efforts. Maternity Foundation's Competency Center, based in Copenhagen, will support partners at national and programmatic levels to efficiently implement the App at scale, achieve impact and secure sustainability at different engagement levels. The Competency Center is comprised of staff, systems, and tools that capture, distill, apply and disseminate information, knowledge and emerging results to support implementing partners to enhance the impact and scale of the Safe Delivery App and to build the case for how to scale an mHealth solution.



TO DOWNLOAD

The app is free for download, works offline and can be found in English and French (additional languages coming soon!) at [Google Play](#) and at [App Store](#).

For more information please contact our mHealth Competency Center:



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