

THE SAFE DELIVERY APP

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



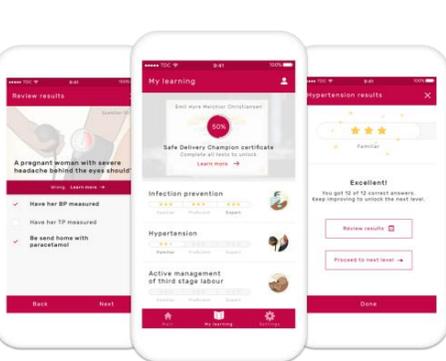
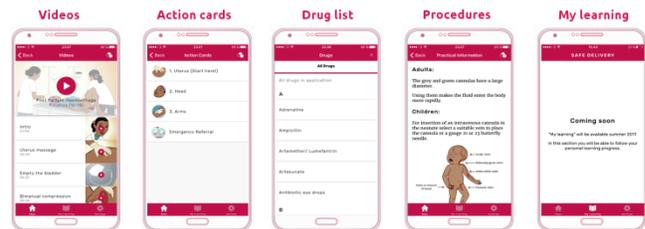
The Safe Delivery App provides skilled birth attendants direct and instant access to evidence-based and up-to-date clinical guidelines on Basic Emergency Obstetric and Neonatal Care (BEmONC). The App was developed in collaboration with the University of Copenhagen and the University of Southern Denmark,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

CONTENT

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

FEATURES

The App 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. Additionally, the most recent versions of the Safe Delivery App contain an adaptive learning module within the App, which will create a learning experience unique for each user based on their



knowledge level, skills and learning preferences. Users are 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 further engages users in routine and sustained learning over time.

RANDOMIZED CONTROL TRIAL

In 2014, with the support of MSD for Mothers, the first four films of the App (AMTSL, PPH, manual removal of retained placenta, and neonatal resuscitation) were tested in a one-year randomized controlled trial in 78 facilities in Ethiopia

Figure 1: PPH Skills

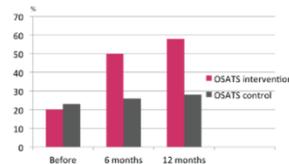


Figure 2: NR Skills

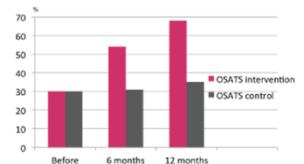


Figure 3: PPH knowledge

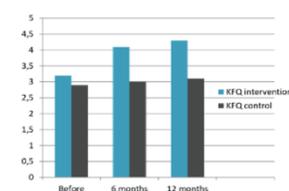
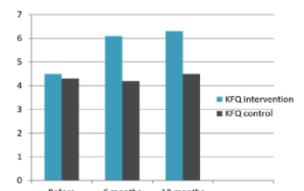


Figure 4: NR Knowledge



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 the App; for example, at 12 months health workers' ability to handle PPH and to resuscitate a newborn more than doubled. These results were published in 2016 in JAMA Pediatrics which can be viewed at: <https://jamanetwork.com/journals/jamapediatrics/fullarticle/2529144>

USE CASES



Pre-Service Training



In-Service Training



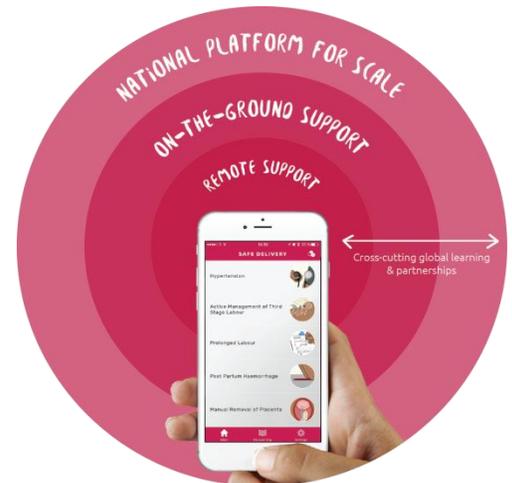
Job Aid

The App can be used as a tool to improve skills, knowledge, and confidence in a variety of ways, determined by factors including the need of existing health systems, programs, facilities, and individual skilled birth attendants. The App is a continuous learning source during users' own time, and can act as a job aid

for standard care and/or emergency situations. It has also been integrated into pre-service and in-service training in multiple countries as a tool to support competency-based education through video and interactive demonstration. The App also allows for transfer of knowledge and skills to clinical sites post-training, and for follow-up by supervisors.

IMPLEMENTATION

Maternity Foundation believes that the Safe Delivery App will reach its full potential not as an isolated tool, but as an integrated part of health systems strengthening efforts. Maternity Foundation's Competency Center, based in Copenhagen, will support partners at national and programmatic levels to efficiently implement the App, achieve impact, and secure sustainability at different engagement levels. The Competency Center is comprised of staff and tools that capture, distill, and apply information in order to best support partners to disseminate knowledge and emerging results. This allows for enhanced impact and scale of the Safe Delivery App within programs and health systems, and builds the case for scaling promising mHealth solutions more broadly.



TO DOWNLOAD

The app is free for download, works offline, and can be found in English, French, and multiple versions adapted for specific countries or languages. Visit [Google Play](#) and the [App Store](#) to download and try it yourself!

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