

Telemedicine

Smart glasses for better health management :
the potential of remote assistance

Steven Serneels, co-founder and chairman, Iristick

Felipe Sere, PO, Memisa



Agenda

1. DRC case
2. Telemedicine: a broader context

DRC case: a short movie

<https://youtu.be/yQBc7tLkCBY>

While Iristick focusses on commercial applications, Social in Motion makes this technology available for under-served


www.iristick.com



- Smart safety glasses (Informed Reality)
- Launched June 2017 in CA, USA
- First to leverage the mobile phone
- First to offer iOS (next to Android)



reddot design award
winner 2018

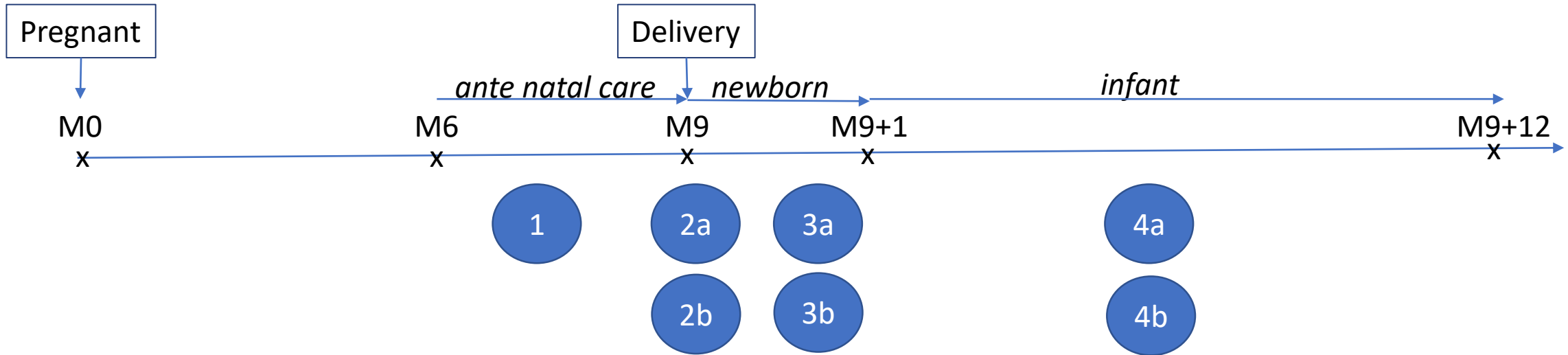






- Making high quality health care
- accessible and affordable
- by leveraging scarce expertise

Use Cases in maternal care



1. Ante natal care: checks in Rural Health Centers (RHC)
- 2a. Delivery: uncomplicated start – uncomplicated end
- 2b. Delivery: uncomplicated start – complicated end; emergency; PAC
- 3a. Immediate neo-natal care (APGAR)
- 3b. Neo-Natal care: checks during critical first month (28d)
- 4a. Post natal consultation: mother
- 4b. Infant-Care: checks in RHC

DRC case: some facts

- 1 district hospital (Kingandu) and 3 rural health centers (RHC)
- 20.000 people in 18 villages
- 100 tele-consultation in last 4 months
 - visits to RHC increased by 45%
 - 1 out of 10 visits applies tele-consultation
 - +50% on maternal care
 - 45% of tele-consultations lead to referral to the district hospital
 - 60% of referrals are emergency cases
- Estimates for near future
 - 15 to 20 referrals per week for the 3 RHC
 - 1 emergency per day
- Success is
 - More villagers visit the RHCs
 - Less referrals
 - More relevant referrals

Telemedicine: 4 components

Technical Solutions

- Smart glasses
- Connectivity (VSATs)

Processes

- Communication flow
- Medical protocols
- Data capturing



Infrastructure

- Emergency motorcycle
- Rapid Diagnostics Tests



People

- Sensitization of villagers
- Nurse – doctor relation
- (financial) incentives

Agenda

1. DRC case
2. **Telemedicine: a broader context**

Telemedicine: 3 flavors

1. Store and Forward: HC worker posts question(s) and (volunteer) remote specialists provide answer(s) in 2 to 48 hours (crowdsourcing of solutions)
2. Engaging real time: HC worker is assisted real time by remote expert; multiple purposes are possible: observation, diagnosis, treatment, training
3. Remote Patient Monitoring

Telemedicine: use cases

	Developed countries	Developing countries
Physical Health	<ul style="list-style-type: none">• Home care• Surgery	<ul style="list-style-type: none">• Disaster relief• Remote healthcare support
Mental Health	<ul style="list-style-type: none">• Remote mental healthcare	<ul style="list-style-type: none">• Post war• Refugees

www.Iristick.com

