

# Child Health Task Force Membership Meeting

May 16, 2019

# Agenda

- Introductions
- New Resources Available
- Update on the Task Force-led re-imagining technical assistance project in DRC and Nigeria
- WHO Guidelines for Digital Interventions for Health Systems Strengthening
- Discussion: What are your top two gaps in knowledge management for child health program that the Task Force should address?





#### Q. What is the Child Health Task Force?

Created in 2017, the Task Force continues to build upon the work of the iCCM Task Force (2010-2016). We are a global network, working to support the design and delivery of high quality child health services that take a life-course approach.

#### Q. What does the Task Force do?

As a global knowledge-sharing hub, we facilitate and share learning to provide countries and child health stakeholders access to a pool of technical experts, tested implementation tools, and approaches. We engage our members to translate knowledge into better practices that will lead to stronger child health programs.

#### Q. What is unique about the Task Force?

Our breadth and depth in partnership— the Task Force is a global network of implementing organizations; NGOs; academic institutions; UN, multilateral, and bilateral agencies; in-country partners; and individual stakeholders. We convene and coordinate our community to share knowledge and innovative solutions to programmatic issues. We develop new and improve existing tools and we work with country partners to translate evidence into stronger child health programs, enabling children to survive and thrive.

#### Q. How is the Task Force organized?

Our network is comprised of over 500 members, representing over 100 organizations, that all contribute to the Task

Child Health Task Force Goal

To strengthen equitable

# New Resources Available



# Re-imagining Technical Assistance

Update to Child Health Task Force Members

May 16, 2019

# Project Overview

- FUNDER: The Bill & Melinda Gates Foundation
- DURATION: April 2018 September 2019
- FOCUS COUNTRIES: DRC and Nigeria
- OUTCOME: Local capabilities to implement evidence-based, integrated child health interventions toward achievement of the 2030 Survive, Thrive, and Transform vision are strengthened in DRC and Nigeria by 2019



# Expanded Project Scope

March 2019, scope formally expanded

• OUTCOME: Local capabilities to implement evidence-based, integrated child health interventions toward achievement of the 2030 vision are strengthened in DRC and Nigeria by 2019



Redesigning Technical Assistance for Maternal, Newborn, and Child Health

# Co-Design Technical Assistance Model Human Centered Design Approach

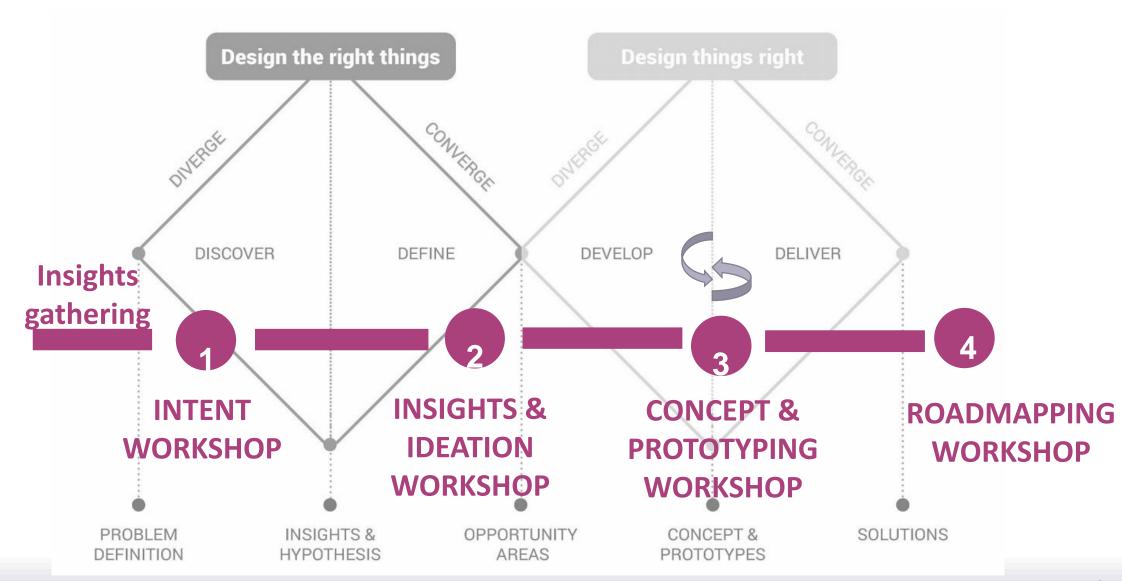


# **Project Advisory Committee**

- Abt Associates
- CHAI
- International Medical Corp
- IRC
- Malaria Consortium
- MCSP/JSI
- MSH

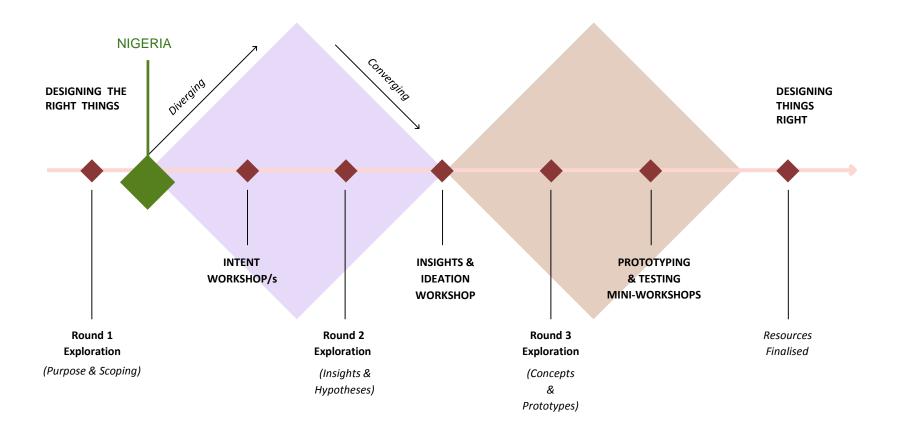
- PSI
- Save the Children
- UNICEF
- USAID

# What does the process look like?



# **NIGERIA**

# Where are we?



## Overview of Context

- The federal government system with parastatal institutions and overlapping mandates dictates a different form of engagement for the co-creation process
- Key Takeaways
  - Partners (e.g. BMGF Nigeria Country office, USAID implementing partners, DFID etc.) and government are experimenting with different approaches to technical assistance
  - Both government and partners agree that it's time to re-think TA approaches
  - Some excitement about this initiative and the opportunity it offers to reexamine donor vs government working relationship

# TA Defined Differently

"Technical assistance is a way of providing capacity building for health personnel when gaps are identified in the health sector service providers."

"Technical assistance involves intellectual guidance given to an organization by a superior team to guide and aid the achievement of its goals."

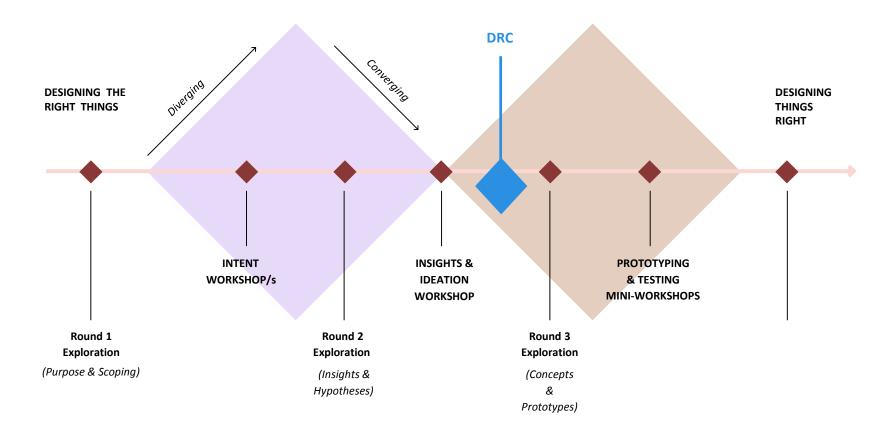
"Technical assistance is the push, propelling force, and fulcrum that drives."

"Technical assistance means a process of sharing information /knowledge, skills, and training for capacity enhancement."

"Technical assistance is expertise support to provide technical know-how around subjects which the organization or individual is well rooted or experienced in."

# **DRC**

# Where are we?



# Current Experiences with TA

Motivation: "Our sub recipients input the same sanitary data as the State's employees. We update the data, but often the national data isn't. The expectations in the follow-up is different for us because we are accountable to our donors, and that impacts the way we do our work."

- Implementing Partner

Accountability and Sovereignty: "If a local NGO is selected without State approval, how could it be accountable to national interests? They are accountable to partners." - State Employee

**Finances are risky**: "I totally refuse to take money from donors. If they give me anything everone comes to get their part: the state is a predator and rumours are contagious. So now I ask for what I need based on what my staff requests and they send me the material. Period." - Head of a Hospital

One community against failure: "The government is a failure, so at the hospital we have to work as a community, make sacrifices as a community, buy tools as a community so that we can do our work and save lives." - Head of a Hospital

**Improving**: "Our international partner is breathing down our neck every day and is in contact with us constantly which means we can never fall asleep. Many cannot follow that tempo: they request our attention and ask us questions everyday. This means our projects are led with a dynamism that lead to results."

- Implementing Partner

#### Feeling excluded:

"What you do without me, you do against me." - Head of a Zone de Santé **Fear of being punished:** "Some of the medication we are given are close to their due date but if we complain we risk being punished because the hand that gives is the one in control."

- Head of a Zone de Santé

Religion, the 'opium of the people: "We have to start by closing our churches that let people fall asleep. They promise better days, just like the colonizers did, and we accept to live under the table picking up scraps because they believe that God will save us. What churches are practicing isn't religion, it's opium." - State Employee

Security, stability: "The only difference is that by working for a partner I am in good conditions. My salary is punctual, I wouldn't lack fuel to put into my car. But I have the same preoccupations as the ministry. We are both working towards resolving the same problem -- helping Congolese children." - Financial Partner

# Insight & Ideation Workshop: March 19-20, 2019

# Insight & Ideation Workshop Participants

Total 26 participants including MOH, WHO, USAID, CSO, EU, PROSANI

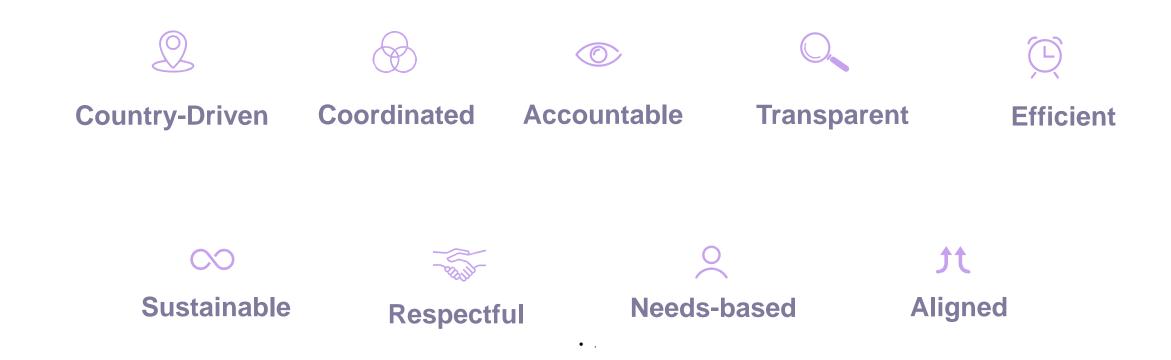
DRC's MOH's Secretary
General led opening
ceremony

# Co-Creation team

Name	Organization
Ilunga Jean-Fidèle	PNIRA, MOH
Kapanga Kule Serge	University of Kinshasa
Kini Brigitte	OMS/WHO
Kalenga-Tshiala Béatrice	PRONANUT (MoH)
Lumtadila Papy	MCSP
Ngoir Bernard	PNLCHOLMD, MOH
Kabutakapua Ilunga Gustave	Province (DPS) Kasai
Nsanie Lucie	PNSR, MOH
Madinda Luc	Cooperation Bilaterale. MOH
Mukinay Tumb Tumb Nestor	GAVI

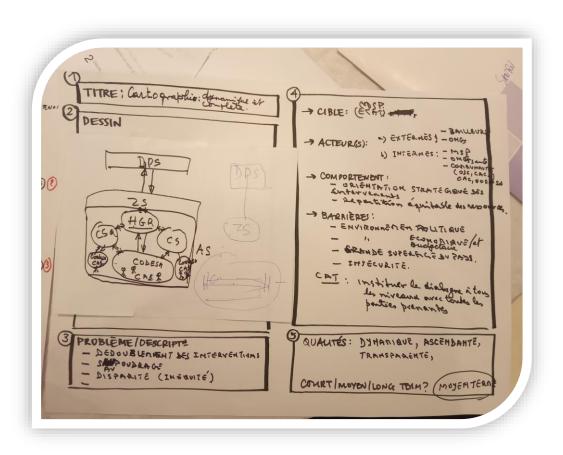
# Future Vision and Values of TA Reimagined

During the workshop, the future vision for technical assistance was described by participants as follows:



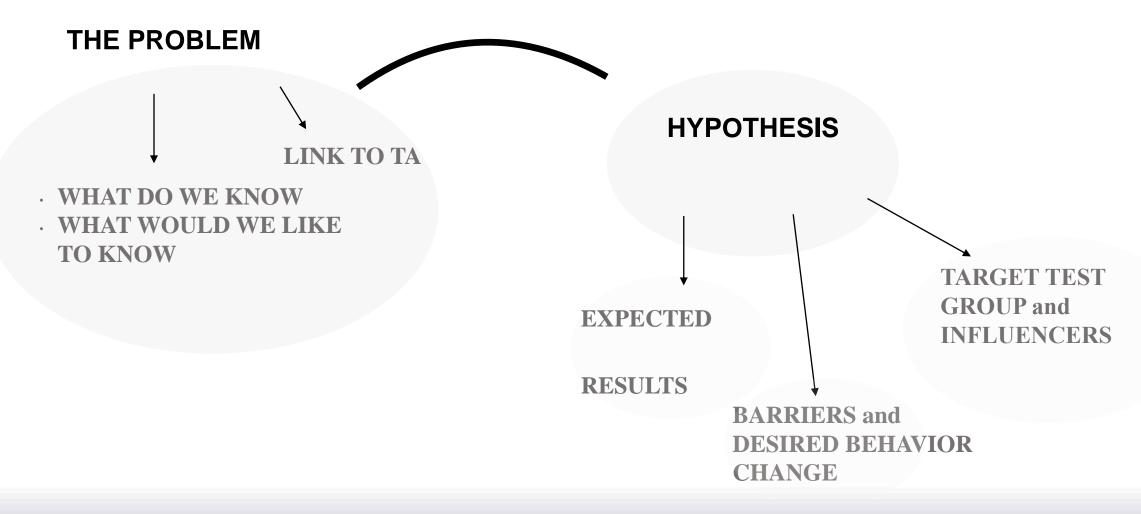
# Prototyping & Testing Mini-workshop: May 6-10, 2019

# Objectives of Workshop

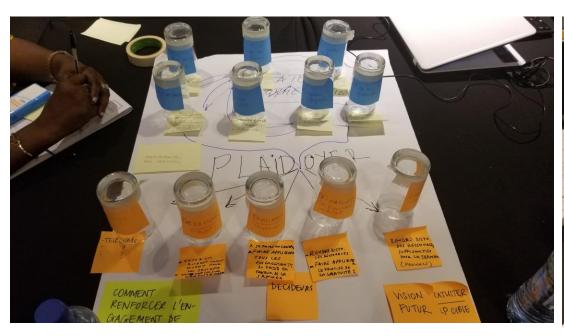


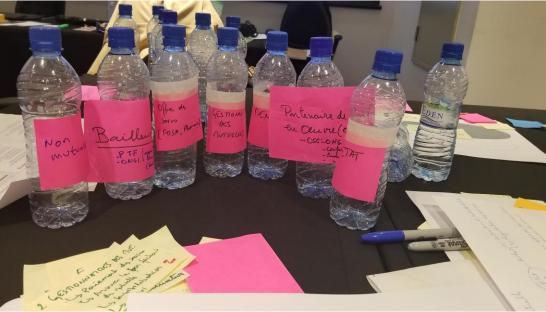
- Reframe and further develop the initial concepts.
- Prototype possible tangible solutions.
- Test with the target population.
- Prepare the next iteration.

# Reframing of Concepts



# Prototyping





# **Testing**



**DAY 3:** Concept 2 Testing



**Day 4:** Montgafula Focus Group (mothers with children under 5)



Thank You!



# Recommendations on digital interventions for health system strengthening

Overview of WHO guidelines

Jeanne Koepsell
Co-chair
Digital health and innovations sub-group
Child Health Task Force

2 May 2019

(Note – Steve Ollis' presentation follows)

#### General concepts

#### Target audience

- Decision-makers in ministries of health
- Public health practitioners
- Donors

#### Aim

 Strengthen evidence-based decision-making on digital approaches by governments and partner institutions, encouraging the mainstreaming and institutionalization of effective digital interventions.

#### Caveats

- Temper expectations based on the ICT and enabling environment
- Avoid unconnected systems
  - Impact on the effectiveness and sustainability of the intervention
- Recognize that there may be newer interventions that don't have evidence that meets WHO's strict criteria



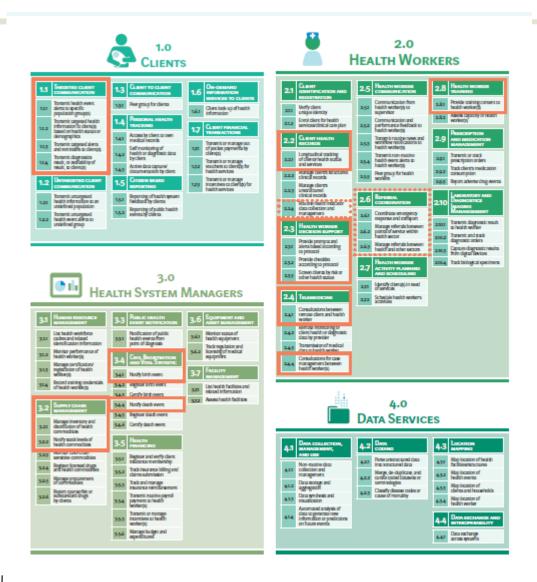
#### Interventions included now

(will add more over time)

- Birth notification via mobile devices
- Death notification via mobile devices
- Stock notification and commodity management via mobile devices
- Client-to-provider telemedicine
- Provider-to-provider telemedicine
- Targeted client communication via mobile devices
- Digital tracking of patients'/clients' health status and services via mobile devices
- Health worker decision support via mobile devices
- Provision of training and educational content to health workers via mobile devices (mobile learning-mLearning)

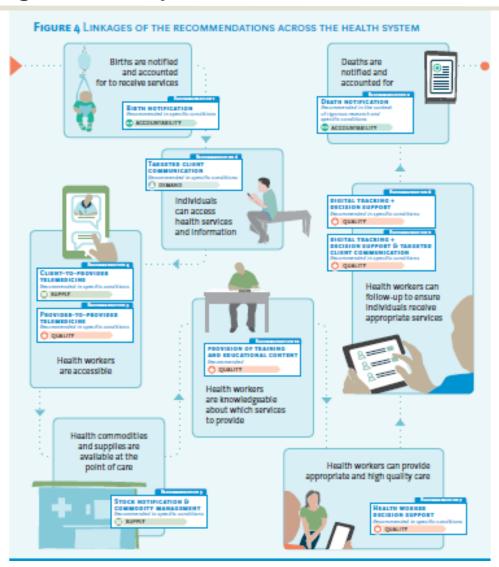


## Interventions in taxonomy





## All part of strengthening health systems



## Set up

## For each recommendation

- Summary of evidence
  - positive and negative effects of the intervention
  - acceptability and feasibility,
  - equity, gender and human rights impacts,
  - resource use



#### Birth notification via mobile devices

WHO recommends the use of birth notification via mobile devices under these conditions:

- in settings where the notifications provide individual-level data to the health system and/or a civil registration and vital statistics (CRVS) system, and
- the health system and/or CRVS system has the capacity to respond to the notifications.

(Recommended only in specific contexts or conditions)

Responses by the health system including the capacity to accept the notifications and trigger appropriate health and social services, such as initiating of postnatal services.

Responses by the CRVS system include the capacity to accept the notifications and to validate the information, in order to trigger the subsequent process of birth registration and certification.

#### Death notification via mobile devices

WHO recommends the use of death notification via mobile devices under these conditions:

- in the context of rigorous research, and
- in settings where the notifications provide individual-level data to the health system and/or a CRVS system, and
- the health system and/or CRVS system has the capacity to respond to the notifications.

(Recommended only in the context of rigorous research and in specific contexts or conditions)

Responses by the health system include the capacity to accept the notifications and trigger appropriate health and social services.

Responses by the CRVS system include the capacity to accept the notifications and to validate the information, in order to trigger the subsequent process of death registration and certification.

Stock notification and commodity management via mobile devices

WHO recommends the use of stock notification and commodity management via mobile devices in settings where

 supply chain management systems have the capacity to respond in a timely and appropriate manner to the stock notifications.

(Recommended only in specific contexts or conditions)

## Client-to-provider telemedicine

WHO recommends the use of client-to-provider telemedicine

- to complement, rather than replace, the delivery of health services and
- in settings where patient safety, privacy, traceability, accountability and security can be monitored.

(Recommended only in specific contexts or conditions)
In this context, monitoring includes the establishment of standard operating procedures that describe protocols for ensuring patient consent, data protection and storage, and verifying provider licensing and credentials.

## Provider-to-provider telemedicine

WHO recommends the use of provider-to-provider telemedicine in settings where

 patient safety, privacy, traceability, accountability and security can be monitored.

(Recommended only in specific contexts or conditions)

In this context, monitoring includes the establishment of standard operating procedures of that describe protocols for ensuring patient consent, data protection and storage, and verifying provider licensing and credentials.



## Targeted client communication via mobile devices

WHO recommends targeted client communication via mobile devices for

- health issues regarding sexual, reproductive, maternal, newborn, and child health
- under the condition that potential concerns about sensitive content and data privacy can be addressed

Health worker decision support via mobile devices

WHO recommends the use of decision support via mobile devices

- for community and facility-based health workers in the context of
- tasks that are already defined within the scope of practice for the health worker.



Digital tracking of clients' health status and services (digital tracking) combined with decision support WHO recommends digital tracking of clients' health status and services, combined with decision support under these conditions:

- in settings where the health system can support the implementation of these intervention components in an integrated manner; and
- for tasks that are already defined as within the scope of practice for the health worker.

## Digital tracking combined with:

- (a) decision support and
- (b) targeted client communication WHO recommends the use of digital tracking combined with decision support and targeted client communication under these conditions:
- where the health system can support the implementation of these intervention components in an integrated manner;
- for tasks that are already defined as within the scope of practice for the health worker; and
- where potential concerns about data privacy and transmitting sensitive content to clients can be addressed.

Digital provision of training and educational content to health workers via mobile devices/ mobile learning (mLearning)

WHO recommends the provision of learning and training content via mobile devices /mLearning

 to complement, rather than replace, traditional methods of delivering continued health education and post-certification training

(Recommended)

## Overall support / issues about digital health

#### Health Workers

#### Factors that may increase acceptability

- expand their range of tasks
- efficiency
- increased speed
- save travelling time
- portability
- Connections
- Status

#### Factors that may decrease acceptability

- do not reduce their workload and in some cases increase their workload
- loss, damage and theft
- shaped by their pre-existing digital literacy.

#### Feasibility for health worker

- network connectivity and access to electricity
- usability issues
- integration with other digital systems
- problems with the design of the programmes or of the device itself,
- · confidentiality of medical information and data security



### Overall support / issues about digital health

#### Clients/individuals

- Feel like someone is interested
  - providing support, guidance and information, and giving a sense of direction, reassurance and motivation
  - offering reassurance and a sense of safety
- appreciate the increased access and the consistency and continuity of care
- increased their independence and self-care

People with health conditions that are often stigmatised or very personal (e.g. HIV, family planning and abortion care)

- worry that their confidential health information will be disclosed
- prefer face-to-face contact
- should be little or no charge
   Individuals who speak minority languages
- access to health workers who speak this language
- But low literacy or digital literacy skills

Clients with other responsibilities, living far from health care facilities or with few funds

- may save money and reduce the burden of travel
- but poor access to network services, electricity or mobile devices

## How to read the guidelines

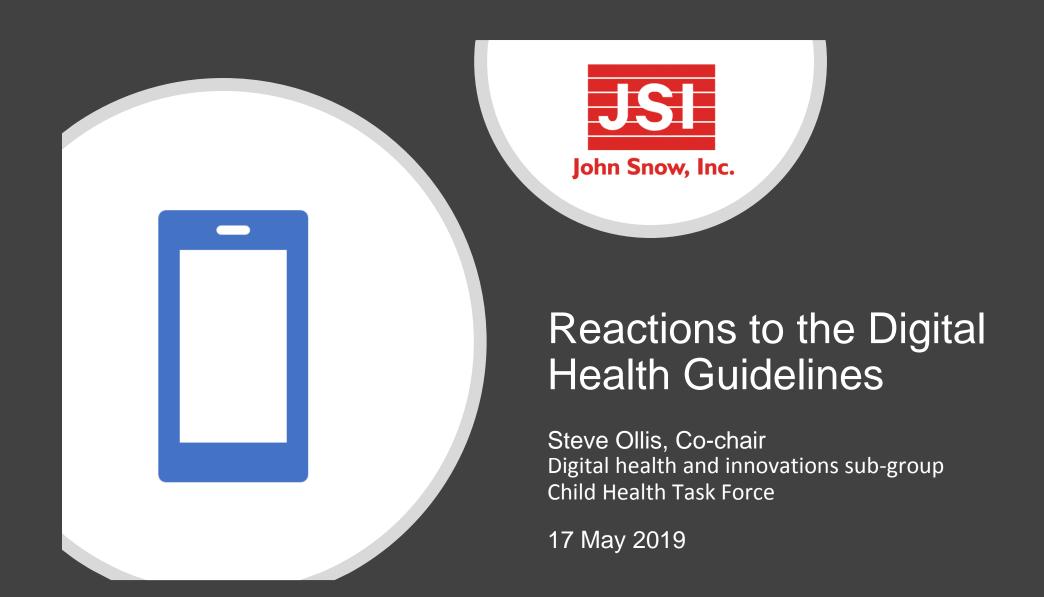
- Go over the recommendations
- Choose the ones that interest you
- Read the section in detail, to become more acquainted with the evidence
  - Effectiveness
  - Acceptability
  - Feasibility
  - Resource use
  - Gender, equity and human rights
- And to understand the justification for the recommendations
- And read the implementation considerations
- So you can
  - Convince colleagues as necessary
  - Improve your intervention



Recommendations on digital interventions for health system strengthening

Classification of digital health interventions





# Reactions

- Evidence a bit dated
- Review the additional remarks in each section provides reactions and thoughts of GDG outside of the evidence "GDG also believed that the use of mobile devices to perform this task was likely to provide a more expedient means of effecting the notification and subsequent health services"

IMPLEMENTATION PHASE	Cost category	DESCRIPTION
ONE-TIME START-UP COSTS	Content adaptation (\$)	<ul> <li>User-centred design process to define requirements within appropriate context. This includes business process mapping, understanding the intended users, and documenting functional and non-functional requirements.</li> </ul>
	Outreach and raising awareness of the intervention	Raising awareness in the community about the intervention and how to make notifications. This may be conducted by outreach through community health workers, pamphlets, billboards, mass messaging.
	(\$\$)	<ul> <li>Campaigns and community outreach programmes directly to communities and key informants.</li> </ul>
	Equipment/ hardware (\$)	<ul> <li>Devices (e.g. mobile phones, tablets, computers) used by key informants for conducting birth notifications.</li> <li>Set-up of cloud hosting or physical server, which would require physical and virtual security and authentication.</li> </ul>
	Initial training	Development/adaptation of training curriculum and
	(\$)	standard operating procedures. This can include materials for training-of-trainers approaches.
		<ul> <li>Training on standard operating procedures for the recipient of the birth/death notification (i.e. health workers and civil registrar personnel).</li> </ul>

IMPLEMENTATION PHASE	Cost category	DESCRIPTION
RECURRING COSTS	Human resources (\$\$)	<ul> <li>Personnel to oversee overall programme.</li> <li>Personnel for system set-up and user support.</li> <li>Personnel for partnership building and coordination meetings to align with stakeholders (e.g. ministry of health counterparts, other implementing partners, mobile network operators).</li> <li>Incentives for reporting birth and death notifications, particularly if relying on community members and key informants for the notification.</li> </ul>
	Refresher training and workflow management (\$\$)	<ul> <li>Refresher training or continued community outreach to facilitate uptake of notification processes.</li> <li>Periodic review meetings to discuss feedback on system performance and challenges.</li> </ul>
	Communication/ data exchanges (\$)	<ul> <li>SMS text message/USSD voice call/data transmission charges based on volume of communication content and communication channel.</li> <li>Short code maintenance fee, which represents a simplified number for clients to use when registering for the service.</li> <li>Aggregator maintenance fees to enable communication across multiple network carriers.</li> </ul>
	Technology maintenance (\$)	Data hosting (e.g. server maintenance or cloud-hosting fees).      Software maintenance, licensing and upgrade fees.      Hardware maintenance, including incurance and

# Web Annex M

The WHO/ITU National eHealth Strategy Toolkit [9] has identified the following implementation considerations:

- Infrastructure
- Health workforce
- Governance
- Financial resources
- Interoperability and standards
- Policy and regulations

In addition, drawing on systematic reviews of the global evidence, we identified the following crosscutting implementation issues:

Involve stakeholders in programme design and implementation

- Involve health workers, facility staff and other users in the design, user testing and implementation of the programme, and include them in decisions about changes to the programme. Ensure that the programmes and digital devices are easy to install and to use
- When designing the programme and planning health worker training, pay particular attention to the needs of health workers who are not technically literate. Make an effort to ensure that the requirements of the new programme do not threaten their job security
- Raise awareness of the programme among clients and potential clients in order to increase their trust in and use of the programme

Assess how programmes can be efficiently integrated with the rest of the health system

# What does this mean for us?

Promote awareness

Take advantage of cost and consideration data

Identify areas for further research

Be sure the details don't get lost



# Knowledge Management Discussion

Suzanne Slattery

# **Question:**

What is the biggest knowledge management challenge in child health that you experience and/or witness?

# **Question:**

What are some tangible solutions that the Task Force could offer to bridge gaps?



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