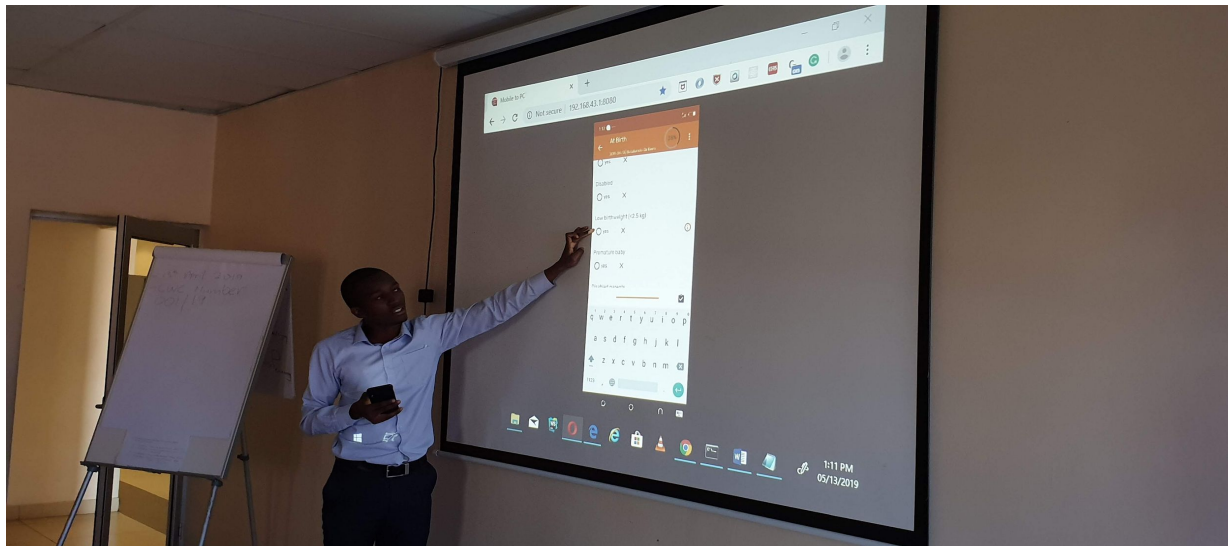


MoHW Botswana Nutrition Information System



Child Welfare Management Information System

Andrew Muhiire (HISP Uganda) and Yvonne T. Chinyanga (MoHW - Nutrition Surveillance and Research Unit)

About Botswana MOHW and Nutrition Surveillance program

- MOHW and DHIS2 use:
 - MOHW uses DHIS2 for aggregate reporting in all 27 health districts from over 700 health facilities (hospitals, clinics and health posts) as well as over 800 mobile stops
 - Malaria program implementing android tracker android - data entry at health facilities' level and aggregated at district level
- Child Welfare Clinics in 6 health facilities, including 2 mobile stops (in 2 health districts), piloting NIS android trackerfor:
 - Growth monitoring & Promotion (IYCF counselling) plus screening for IMAM
 - IMAM OTS, Deworming, Vitamin A supplementation
 - EPI (children and adolescent, 0 – 18 months; School Health – DT & HPV)
 - Early Childhood Development, Eye Health
 - PMTCT and Supplementary food rationing

Some Field Testing Considerations

Infrastructural support to the NIS implementation (staff to use the NIS app, working space, power, connectivity, patient flow, basic IT phone/tablet knowledge,...)

CWC working space (CWC points of service delivery and their locations within the clinic)

Reliable power sources to charge the tablets and phones

Availability of computers and any other IT tools, information systems

Mobile internet connectivity, availability, signal strength and any other internet sources (LAN, VSAT, AP...)

Dedicated staff for the CWC clinic and data management

Familiarity with touch screens and mobile apps (facebook, Whatsapp...)

More Considerations

Catchment area statistics

Available of data collection tools and data completeness of both registers and card.

Staff knowledge of the CWC implementation and guidelines

Data collection and reporting flow

Human capacity to manage the NIS app at health posts

Monthly visits vs daily visits in alignment to the birthday appointment

Managing children who visit both the main clinic and outreach clinic





The functionality of the NIS app

Login and download all the metadata tracked entities

Navigation within the app (Landing page, registration and search fields, program stages, indicators) and switching in between different windows

Child registration

Searching for existing tracked entities, for both within clinic and other clinics (transfers)

Automated synchronization of data

Execution of the program rules

NIS app use in the Outreach sites/health posts



Considerations Continued

Data completeness

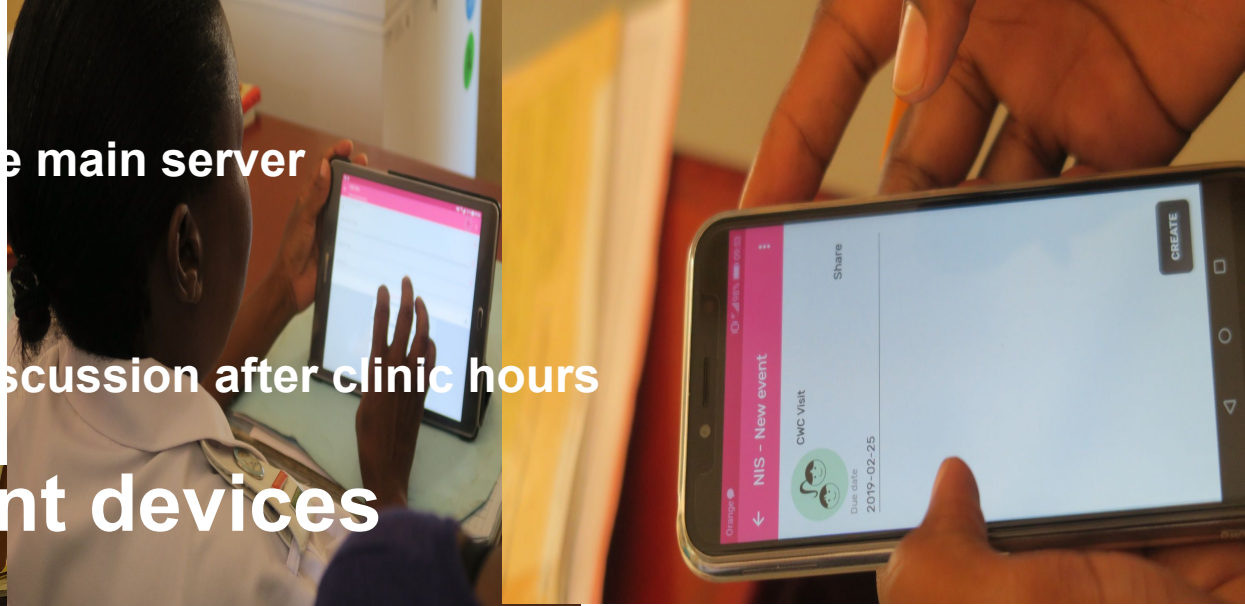
Synchronization of to the main server

Data output (aggregate)

Data Output (event) -- discussion after clinic hours

Testing different devices

What the most appropriate device



Considerations Continued

Feedback from the staff and management

User friendliness of the system

Alignment of the app to the tools and the clinic flow

Validation rules

Value addition of the app to the patient management, reporting and program management.

Health workers perception of the new NIS initiative

Other feedback to the NIS initiative



In Summary

Train Core Team

Conduct field test

Conduct end-user training

Continual Mentoring, support and troubleshooting

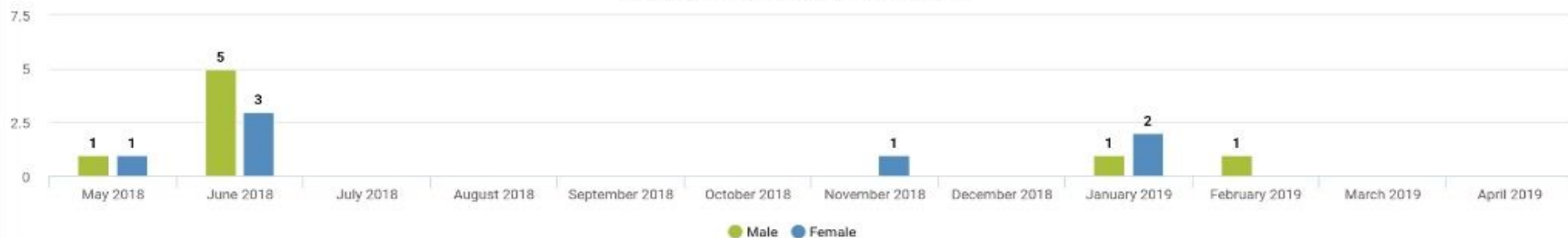
Prepare for both onsite and remote support

Get them to see the data (dashboard on landing page) and use it!!

Child Nutrition Status Dashboard [FILTER](#)

PB: Children Births by Sex in the last 12 months

Boitekanelo-De Beers Orapa Town (Morale) Clinic



PB: Weight for Age in the last 4 quarters

Organisation unit	Boitekanelo-De Beers Orapa Town (Morale) Clinic				
Weight for age / Period	Apr to Jun 2018	Jul to Sep 2018	Oct to Dec 2018	Jan to Mar 2019	Total
Normal		8			8
Moderate underweight			1	1	2
Severe underweight	1	5	1	4	11
Above Normal					
N/A	1	1		1	3

PB: Severe Underweight for the last 4 Quarters

Boitekanelo-De Beers Orapa Town (Morale) Clinic



For



MINISTRY *of* HEALTH
REPUBLIC OF BOTSWANA

Financial support



Technical support

UiO : **Department of Informatics**
University of Oslo



Thank You