Mobile Data Collection

Android App based Systems
ODK for Beginners
Part II
Tech Process

Design form
- Excel

Convert and Validate Form
- XLS Form Converter
- ODK Validate

Load form on Tablet
- ODK Aggregate Server or Hard Connection
- ODK Collect

Aggregate Data
- ODK Aggregate Server
- ODK Briefcase
Requisites

1. Laptop with Excel
2. Internet connection
3. ODK II reference spreadsheet
4. Preeclampsia treatment algorithm
Review: Set up your Excel Sheets

• Two sheets, one named “survey”, the other “choices”

• Survey should have three columns:
  – “type” “name” “label”

• Choices should have three columns:
  – “list_name” “name” “label”
Review: ODK Skills

1. Entering different types of variables into the form
2. Working with selection lists (multiple / single)
3. Creating question lists
4. Constraints
5. Relevancy
New ODK Skills

1. Paging
2. Calculate
3. Quick Appearance
4. Cascading Select
5. Formatting Text
6. Default
MAP $\geq$ 140 mm Hg
RECHECK BP EVERY 5 MIN
IF SUSTAINED OVER 15 MIN

UNDELIVERED
No Prior colloid

400-500 ml colloid
To run over 20 min

Once Running

MAP $\geq$ 125 mm Hg

DELIVERED
(or prior colloid)

HYDRAZINE
5 mg IV

MAP $\geq$ 125 mm Hg and
heart rate $\geq$ 120/min or
15 mg Hydralazine given

Repeat Hydralazine 5 mg IV
every 20 min until either

LABETALOL
20 mg IV followed at
10 min intervals by 40, 80,
80 mg up to a cumulative
does of 220 mg

MAP 125-140 mm Hg
RECHECK BP EVERY 15 MIN
IF SUSTAINED OVER 45 MIN

UNDELIVERED
No prior colloid

400-500 ml colloid
to run over 20 min
Convert and Validate

• Go to: http://opendatakit.org/xiframe/
  – Upload and convert your excel form, remember it should be titled “form”

• Validate your form. You can download the ODK Validate application here: https://opendatakit.org/use/validate

• Or you can validate your form against the CommCare Standard online here: https://www.commcarehq.org/formtranslating/
Future Sessions

- 3/18 : ODK programming (part 2) and Treatment Algorithms
- 4/1 : Google Maps API and real time data visualization (guest speaker)