Building Technology for Low Income Regions

Yaw Anokwa

learning math and science in ghana

discovering computers

making mistakes and making money

Jason dV

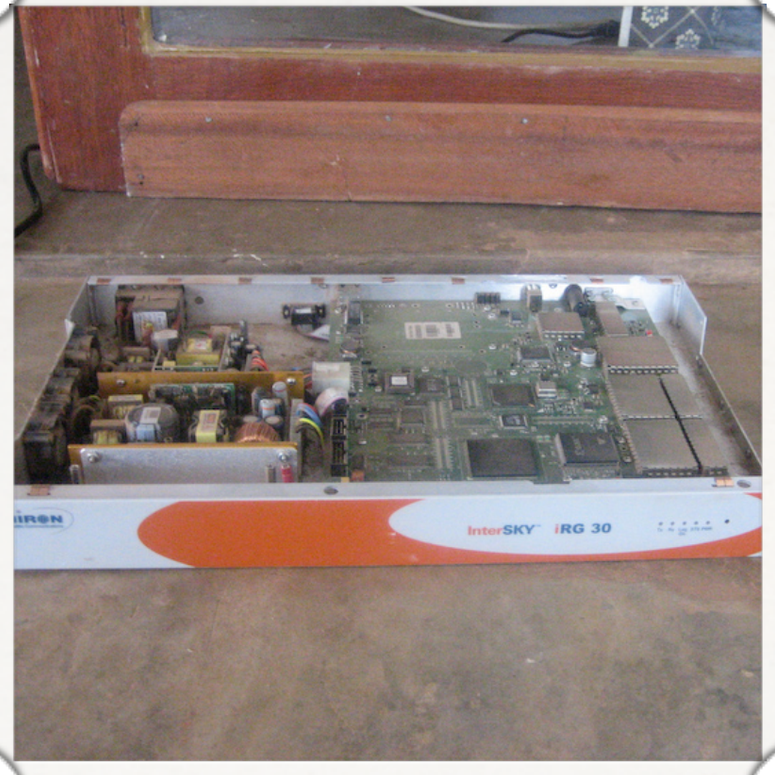
moving print online

computing for defense

inventing gadgets

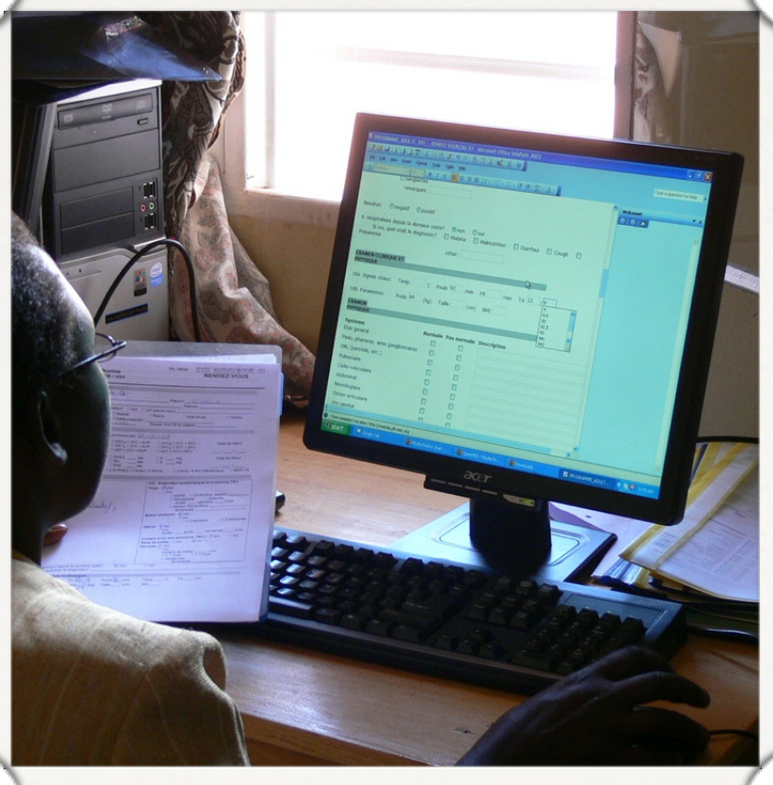
Six months in rural Rwanda

Deploying infrastructure

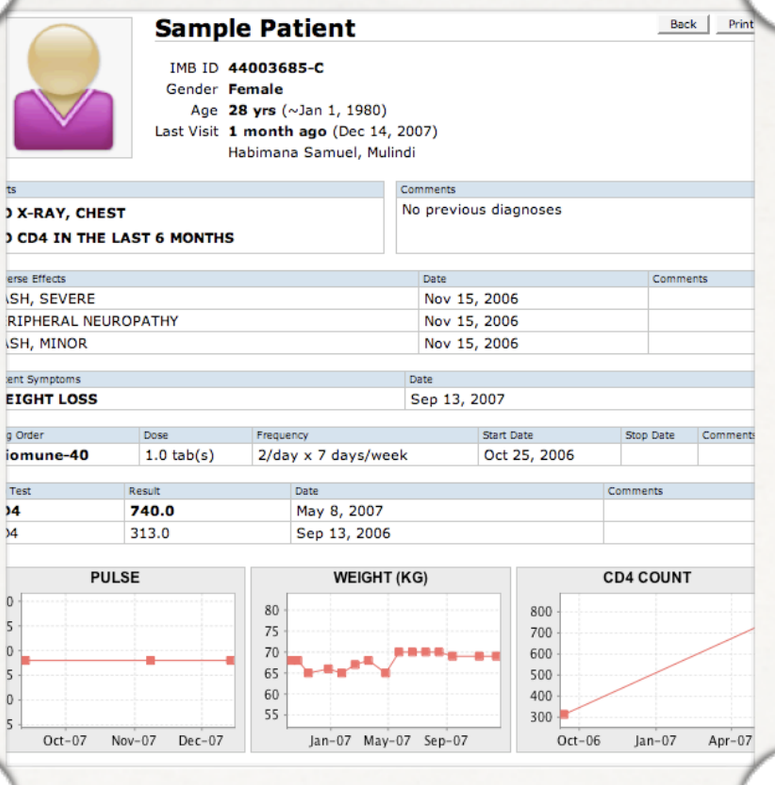


Training staff

Observing clinical care



Managing data team

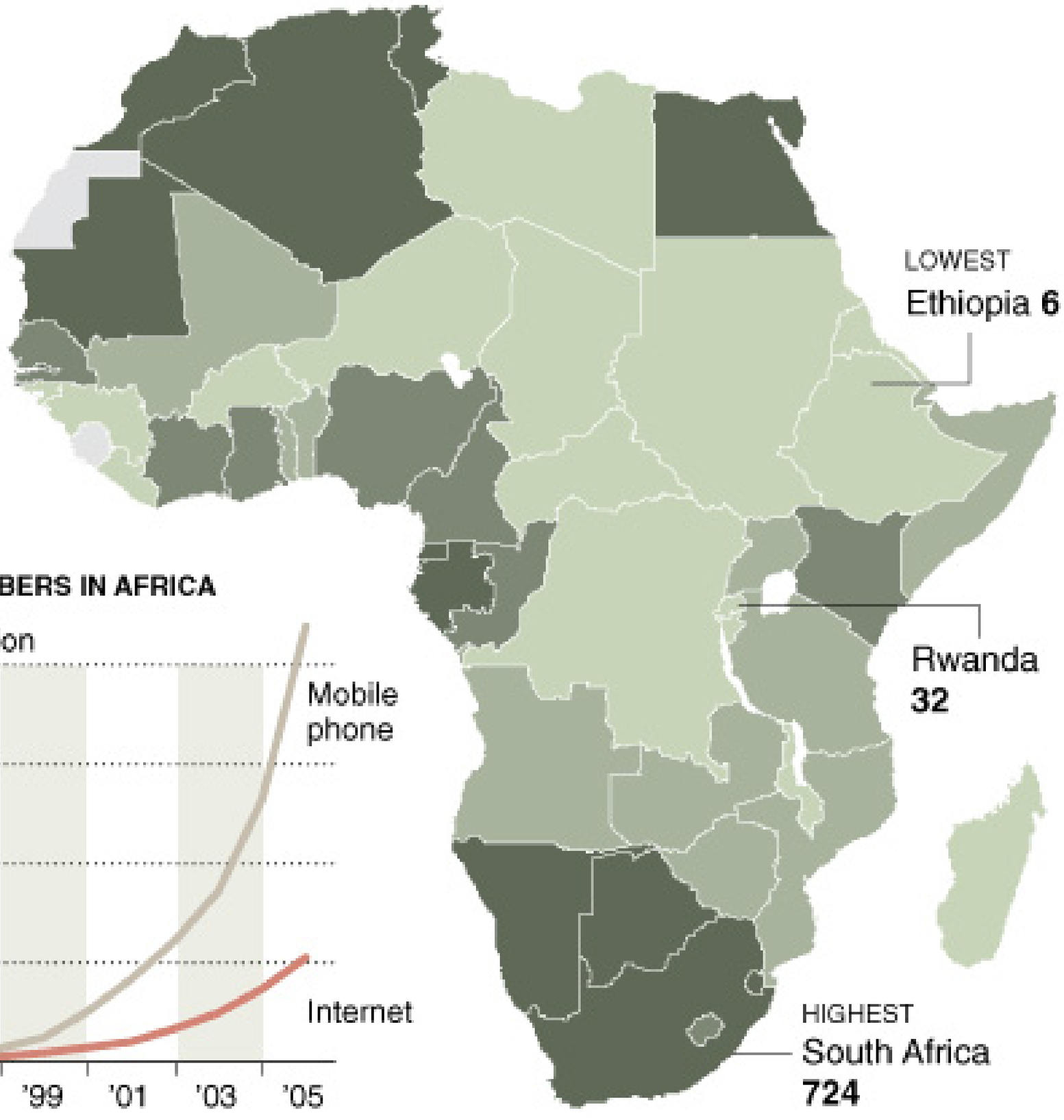


Writing code

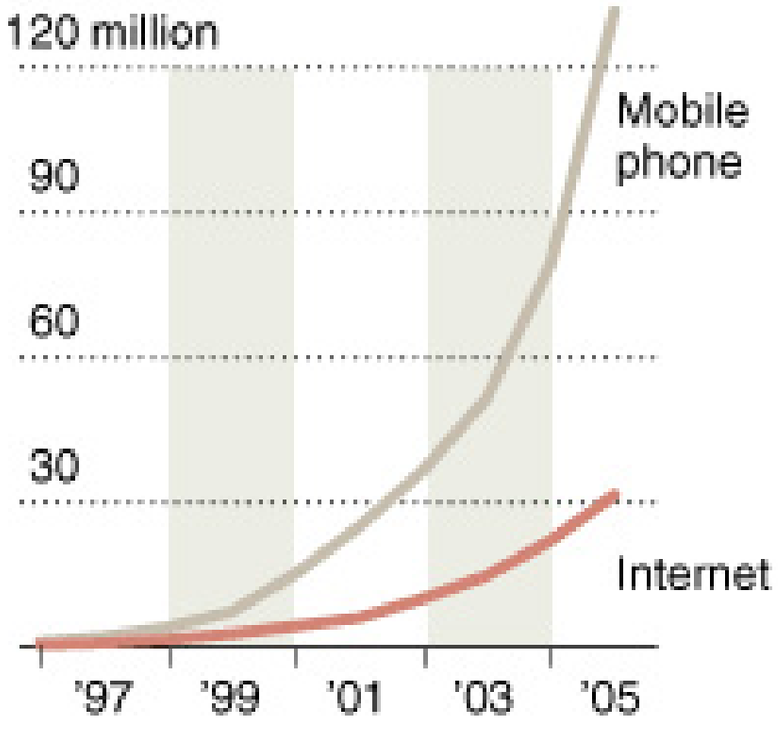
Mobile phone subscribers per 1,000 people, 2005

6 — 50 — 100 — 150 — 724

Data not available



SUBCRIBERS IN AFRICA



1. Build a data collection or delivery form.

2. Collect or deliver the data on a mobile device.

3. Aggregate the responses on a server.

Crisis workers capturing images and locations of damaged areas after an earthquake.

Clinicians building decision support applications that use patient data to help determine when to administer tests.

Agricultural extension workers creating an application with video and audio clips explaining farming techniques.

First name
fname

Please record your location
location

When is your birthday?
bday

Please take a picture of yourself
image

Properties

Data Name
The data name of this field in the final exporte
image

Caption Text
The name of this field as it is presented to the

English
Please take a picture of yourself

Hint
Additional help for this question.

English

Read Only
Whether this field can be edited by the en

Required
Whether this field must be filled in before

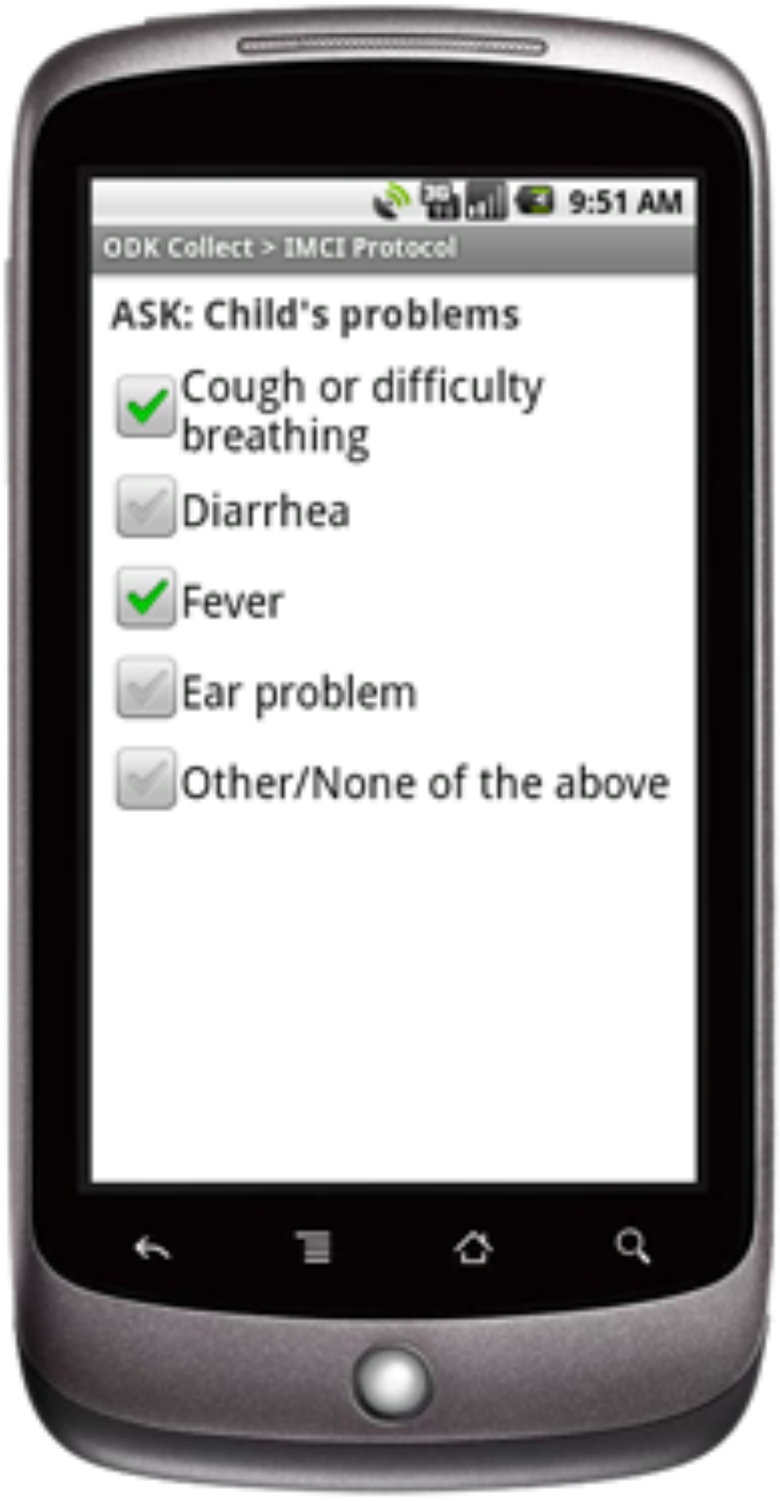
Kind
Type of media to upload.
Image

Advanced

dd new Text Numeric Date Location Media Choose One Select Multiple

ODK Build

9:47 AM
ODK Collect > HCT Household Survey
Household Survey > Individual Section (1)
First Name
Jo
Jo


9:51 AM
ODK Collect > IMCI Protocol
ASK: Child's problems
Cough or difficulty breathing
Diarrhea
Fever
Ear problem
Other/None of the above

8:59 AM
ODK Collect > HCT Household Survey
Survey Information
Survey Location
Ensure you have a clear view of the sky.
Replace Location
Latitude: N 35°16'21"
Longitude: E 0°30'0"
Altitude: 2036m
Accuracy: 6.0m

ODK Collect

SubmissionDate	null
DeviceId	351676030226551
SurveyorName	
TreeLocation-Latitude	-4.919064044952393

ODK Aggregate

AMPATH uses ODK for home-based counseling and testing of millions of HIV patients in rural Kenya.

HRC uses ODK to document human rights violations in the Central African Republic, Uganda and Liberia.

The Brazilian Forest Service and Google.org is piloting ODK for in-situ monitoring of the Amazon rainforest.

About 40 projects in 20 countries

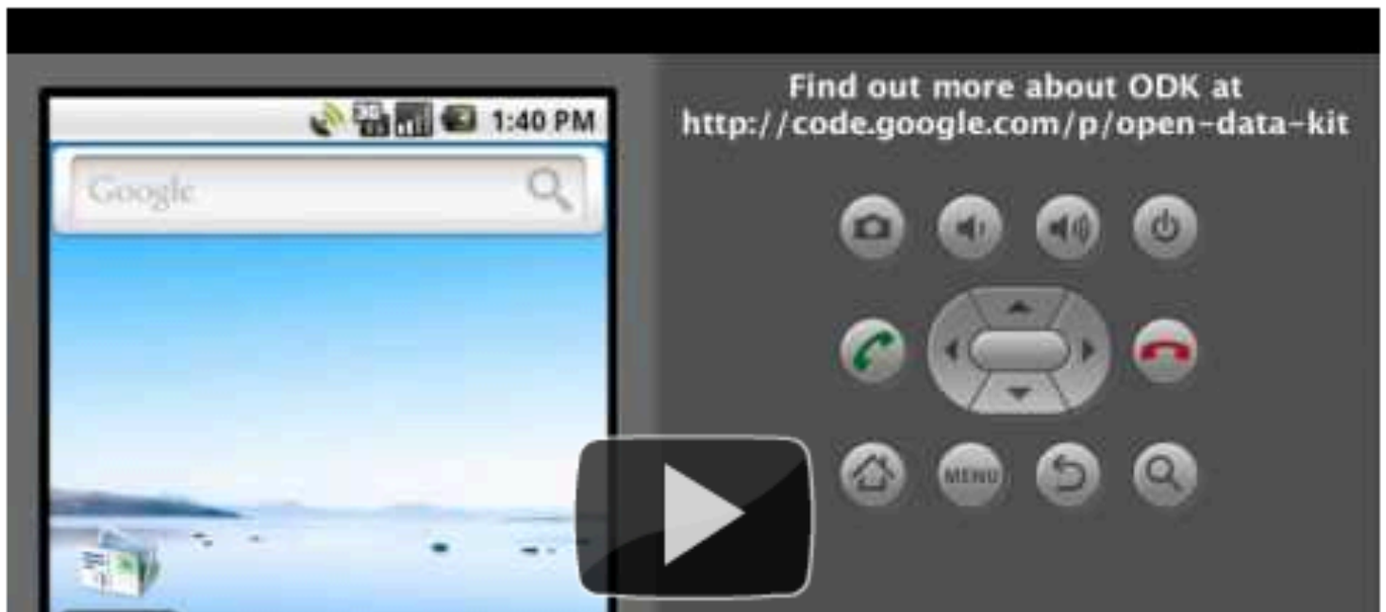
Home

Open Data Kit (ODK) is a free and open-source set tools which help organizations author, field, and manage mobile data collection solutions. ODK provides an out-of-the-box solution for users to:

1. Build a data collection form or survey;
2. Collect the data on a mobile device and send it to a server; and
3. Aggregate the collected data on a server and extract it in useful formats.

In addition to socio-economic and health surveys with GPS locations and images, ODK is being used to create decision support for clinicians and for building multimedia-rich nature mapping tools. See featured deployments and list of tools for more examples of what the ODK community is doing. We welcome and encourage participation from the user community.

Below is a demo video of Collect, our Android-based data collection client. Watch it, then get started building your data collection solution today!



BLOG

Site Launched!

November 9, 2010

As the Open Data Kit community has grown, we've realized the need for a less technical resource for our users. Over the next few months, we will be building out this website as the new home for the community. Stay tuned!

MAILING LIST

Field like textarea

November 18, 2010

I would like to create a code field with some collected data. This code must be copied in other forms. I think it is necessary to show the code into a field like textarea. Then, the interviewer can copy (long-press) and paste in other form. That is possible with Xform for ODK Collect? […]

when phones meet other devices: ODK's integrated future

November 17, 2010

Dear ODKers, Reading up more on ODK, I discovered an excellent thread on how to get ODK and external devices (in that thread's case, Bluetooth-enabled sensors) to "talk to one another". From the perspective of a practitioner, the prospect of connecting external measurement devices to ODK's core

change

http://change.washington.edu

MultiLearn

Creates a multi-player educational game which incorporates multiple input and split-screen UI.

$$\begin{array}{r} 16 \\ +\ 9 \\ \hline \end{array}$$

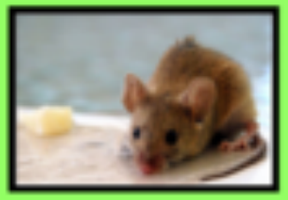
$$\begin{array}{r} 15 \\ -\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -\ 2 \\ \hline \end{array}$$

_ _ _ _ _

c 7	h 8	i 9
l 4	n 5	p 6
q 1	u 2	x 3



_ _ _ _ _

j 7	k 8	m 9
o 4	p 5	r 6
s 1	t 2	z 3

_ _ _ _ _

c 7	d 8	e 9
l 4	m 5	p 6
q 1	v 2	z 3

_ _ _ _ _ _

a 7	c 8	e 9
l 4	m 5	n 6
s 1	t 2	w 3

Mobile Midwives' Ultrasound

Provides an inexpensive ultrasound designed for midwives in low-income regions.

PHILIPS

Resume Scan
Help
Save Picture
Annotate
Measure
Crown Rump Length
Save Measurement
Clear Calipers
Playback
lenovo
ideapad

lenovo

questions?