Open Data Kit

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http://opendatakit.org
Paper provides both the information capture and retrieval.
Paper-based systems are hard to search or transport.
Paul Persil Patient

Gender: Male
Age: 44 years (~ Jun 01, 1934)
Last Visit: 1 week ago (Aug 14, 2008)

IMB ID: 12345678-A

TRACnet ID: 12345
Carte d'Identité: 1234567

NO XRAY RESULT IN THE LAST 6 MONTHS
NO CXR RESULT

<table>
<thead>
<tr>
<th>Drug Order</th>
<th>Dose</th>
<th>Frequency</th>
<th>Start Date</th>
<th>Stop Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZT+3TC</td>
<td>1.0 tab(s)</td>
<td>2/d x 7 d/w</td>
<td>Sep 13, 2007</td>
<td></td>
<td></td>
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<tr>
<td>D4T</td>
<td>150 mg</td>
<td>1/d x 7 d/w</td>
<td>Aug 02, 2007</td>
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<tr>
<td>Triomune-40 (stopped)</td>
<td>1.0 tab(s)</td>
<td>2/d x 7 d/w</td>
<td>Sep 01, 2007</td>
<td>Sep 13, 2007</td>
<td>Unexplained facial rash</td>
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<tr>
<td>EFV 600 (stopped)</td>
<td>1.0 mg</td>
<td>1/d x 7 d/w</td>
<td>Aug 02, 2007</td>
<td>Sep 13, 2007</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab Test</th>
<th>Result</th>
<th>Date</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>CD4</td>
<td>512</td>
<td>Aug 15, 2008</td>
<td>Ordered by Dr. Doctor</td>
</tr>
<tr>
<td>CD4</td>
<td>259</td>
<td>Aug 01, 2008</td>
<td></td>
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<tr>
<td>Viral load</td>
<td>515</td>
<td>Jul 28, 2008</td>
<td>Second test for verification of status</td>
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<tr>
<td>Viral load</td>
<td>200</td>
<td>Jul 27, 2008</td>
<td>Ordered by Dr. Green</td>
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</tbody>
</table>

Graphs

- HEIGHT (CM)
- WEIGHT (KG)
- CD4 COUNT
Lag between data collection and actionable information.
Data collection could provide much richer information
Mobile phones and cloud servers can increase the scale and speed of data collection in developing regions.
Important features are lost when using basic technology.
Domain-specific tools are inflexible and keep data siloed.
Sustainability is hard to achieve with a small team.
Important features are lost when using the most basic technology.

Domain-specific tools are inflexible and keep data siloed.

Sustainability and scale are hard to achieve with a small team.
26% of Kenyans have Internet with 98% using cell for access.
ODK uses phones and servers to digitize data collection.

1. Build form
2. Collect data
3. Aggregate results
Build: Drag and drop prompts for form creation.
XForms describes the form logic and data schema.
Collect: Display prompts for data collection and delivery.
Collect: Display prompts for data collection and delivery.
Aggregate: Host data and provide extraction interfaces.
Aggregate: Codebase runs locally and in the cloud.
Aggregate: Designs database backend using XForm.
Aggregate: Stores or forwards data to external systems.

<table>
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<tr>
<th>DeviceId</th>
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<tbody>
<tr>
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<td>Shadrack</td>
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<td>TreeLocation-Longitude</td>
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<td>TreeName</td>
<td>Myombo</td>
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<tr>
<td>TreePicture</td>
<td>View</td>
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</table>
ODK tools are designed to fit together.
Users can design an end to end system in under an hour.
Reproductive Health Vouchers

Helping to save the lives of thousands of mothers and of babies through access to quality health care.
Carbon For Water collected over 1,000,000 forms with 4,000 ODK-powered phones in 6 weeks.

Carbon For Water finds that ODK enables real-time collection of image, GPS and survey data at scale.
AMPATH’s health workers have used ODK to counsel and test over 650,000 people for HIV.

AMPATH finds that ODK is faster and more cost-effective than previous PDA-based or paper-based systems.
Deployments: 10-50k active users of ODK tools globally.
Looking for a company to build a form or customize an ODK tool? Below are a few that we know about.

- **Nafundi** - A consulting company started by the guys who created Open Data Kit. If you need to customize ODK, they can help.
- **Dimagi** - Provides support for core and custom development on the Open Data Kit platform. They work closely with the team that founded ODK.
- **Mindflow Associates** - Have experience customizing OpenMRS, ODK data collection solutions, building Android phone-based applications, utilizing JavaRosa-based technologies amongst many others.
- **Afrisis** - Has developed and deployed end-to-end (mobile, touch-screen kiosks, SMS, desktop, web) software solutions across all provinces of Mozambique. They are quite familiar with JavaRosa-based technology.
- **Mega Six Solutions** - Has experience designing forms. Contact Paul for more information.
- **Group Complete** - Will design and implement survey collection forms for users of Group Complete (and ODK-based tool) for free.
- **ULevel** - A company based in Brazil doing customizations on Collect for Android.
- **WebFirst** - Well versed in the development of data collection systems like JavaRosa and ODK in low-resource and standard environments.
- **EarlySail** - Have customized ODK Collect for a few pilot projects as well as assisted in form development. They will soon be porting ODK to BlackBerry.
- **Seeing Swans** - A company focusing on data collection and complex analytics. They have customized ODK to be suitable for administering household surveys as well as construction management and stock control.
- **Development IT Solutions**
The turn key solution for mobile data collection

WHAT WE DO

ViewWorld provides a cloud-based data collection platform, that enables organizations as well as businesses to collect data and information using smart phones.

Whether for monitoring, documentation or reporting. Our system can be adapted to fit your standardized reporting format as required.

ViewWorld enables timely, effective and reliable transfer of information from the field to decision-makers in your organisation.

CREATING VISIBILITY

HOW WE MAY HELP YOU

Almost any large organization can benefit from collecting fast and reliable information from the field.

Better and faster data offers better basis for decisions in the organization.

Try out a demo. Use 'demo' as login and password here.

VIEW REPORTS ON MAP

SEE HOW THEY DO IT

LOG IN HERE
Bring Data To Your Doorstep

Group Complete is smart forms & remote data collection for your Android smartphone and tablet. Use it to put knowledge in the hands of your mobile team, improve productivity, and get the complete picture.

Try it now for free!

Power For People On The Go
nafundi

Building the next generation data collection platform
Using paper to collect data is difficult and inefficient. ODK uses phones and servers to digitize data collection.

1. Build form
2. Collect data
3. Aggregate results

http://cs.washington.edu/homes/yanokwa (@yanokwa)
http://opendatakit.org (@opendatakit)
http://nafundi.com (@nafundi)