



OPENXDATA

Free and open-source mobile and web
data collection for low resource settings



DESIGN COLLECT MANAGE



openXdata comprises many organizations
globally with deployments in Africa, South
Asia and South America

www.openXdata.org
contact@openXdata.org

Video tutorials available at:
doc.openXdata.org

mHelse – hvordan bedre global mødre- og barnehelse med mobiltelefoni og teknologisk innovasjon

Thorkild Tylleskär og Jørn
Klungsoyr
Senter for Internasjonal Helse, UiB



1758

Anne Kiestine Bertelsdatter

- 23 år gammel trolovet og gift i 1781
- med Niels Nielsen Oulund

De fikk 5 barn:

1. Niels Bertelsen født 6. februar 1782. Han ble soldat.
2. Mads Nielsen Oulund født 28. juli 1784. Levde 5 dager.
3. Bertel Nielsen Oulund født 8. februar 1786. Død 6 november 1786, 8 måneder gammel.
4. Lauritz Larsen født 8. november 1787. Ukjent skjebne.
5. Maren Nielsdatter født 6 mai 1790. Levde 10 dager.

Moderen døde i barselseng etter at have født denne datter, den 13. mai 1790, 32 år gammel.

En (eller to) av fem ble over 1 år. Og mor døde selv.

The Lancet 2011

Articles



Exclusive breastfeeding promotion by peer counsellors in sub-Saharan Africa (PROMISE-EBF): a cluster-randomised trial

Thorkild Tylleskär, Debra Jackson, Nicolas Meda, Ingunn Marie S Engebretsen, Mickey Chopra, Abdoulaye Hama Diallo, Tanya Doherty, Eva-Charlotte Ekström, Lars T Fadnes, Ameena Goga, Chipepo Kankasa, Jørn I Klungsoyr, Carl Lombard, Victoria Nankabirwa, Jolly K Nankunda, Philippe Van de Perre, David Sanders, Rebecca Shanmugam, Halvor Sommerfelt, Henry Wamani, James K Tumwine, for the PROMISE-EBF Study Group

Summary

Lancet 2011; 378: 420–27

Published Online

July 12, 2011

DOI:10.1016/S0140-6736(11)60738-1

See [Comment](#) page 378

Centre for International Health, University of Bergen, PO Box 7800, 5020 Bergen, Norway (Prof T Tylleskär MD, I M S Engebretsen PhD, A Hama Diallo MD.

Background Exclusive breastfeeding (EBF) is reported to be a life-saving intervention in low-income settings. The effect of breastfeeding counselling by peer counsellors was assessed in Africa.

Methods 24 communities in Burkina Faso, 24 in Uganda, and 34 in South Africa were assigned in a 1:1 ratio, by use of a computer-generated randomisation sequence, to the control or intervention clusters. In the intervention group, we scheduled one antenatal breastfeeding peer counselling visit and four post-delivery visits by trained peers. The data gathering team were masked to the intervention allocation. The primary outcomes were prevalence of EBF and diarrhoea reported by mothers for infants aged 12 weeks and 24 weeks. Country-specific prevalence ratios were adjusted for cluster effects and sites. Analysis was by intention to treat. This study is registered with ClinicalTrials.gov, number NCT00397150.

Ammeråd fra mødre fører til mer fullamming i Afrika

E Hem

Med en ukes opplæring kan kvinner i Afrika bli ammerådgivere og fremme fullamming og dermed barnehelsen. Det viser en ny, norskledet studie.



Ingunn M.S. Engebretsen, Lars T. Fadnes, Halvor Sommerfelt og Thorkild Tylleskär. Foto privat

Studien ble gjennomført i Burkina Faso, Uganda og Sør-Afrika med 2 579 mor-barn-par (1). Til sammen 82 landsbyer eller byområder ble randomisert til intervensjonsområde eller kontrollområde. Kvinner i intervensjonsområdene fikk én ukes opplæring i amming. Deretter ga

SISTE E

Hva må
publise
forskni

Støtter b
impaktf
under vi

19.04.20

Mer »

Pod

SISTE F

Vanske
assiste

Bjørn H
Moldest

Tidsskr
legefore

spørsm
reprodu

retorikk

17.04.20

Mer »

W

Barn som døde i vår studie



● Burkina Faso

- 80% har aldri gått i skole
- 36% fødte på klinikk
- 49/895 dødfødte
- 23/895 døde 1. dag/uke

● Uganda

- 80% har 6 års skolegang
- 41% fødte på klinikk
- 16/835 dødfødte
- 18/835 døde 1. dag/uke

Dødfødte i verden

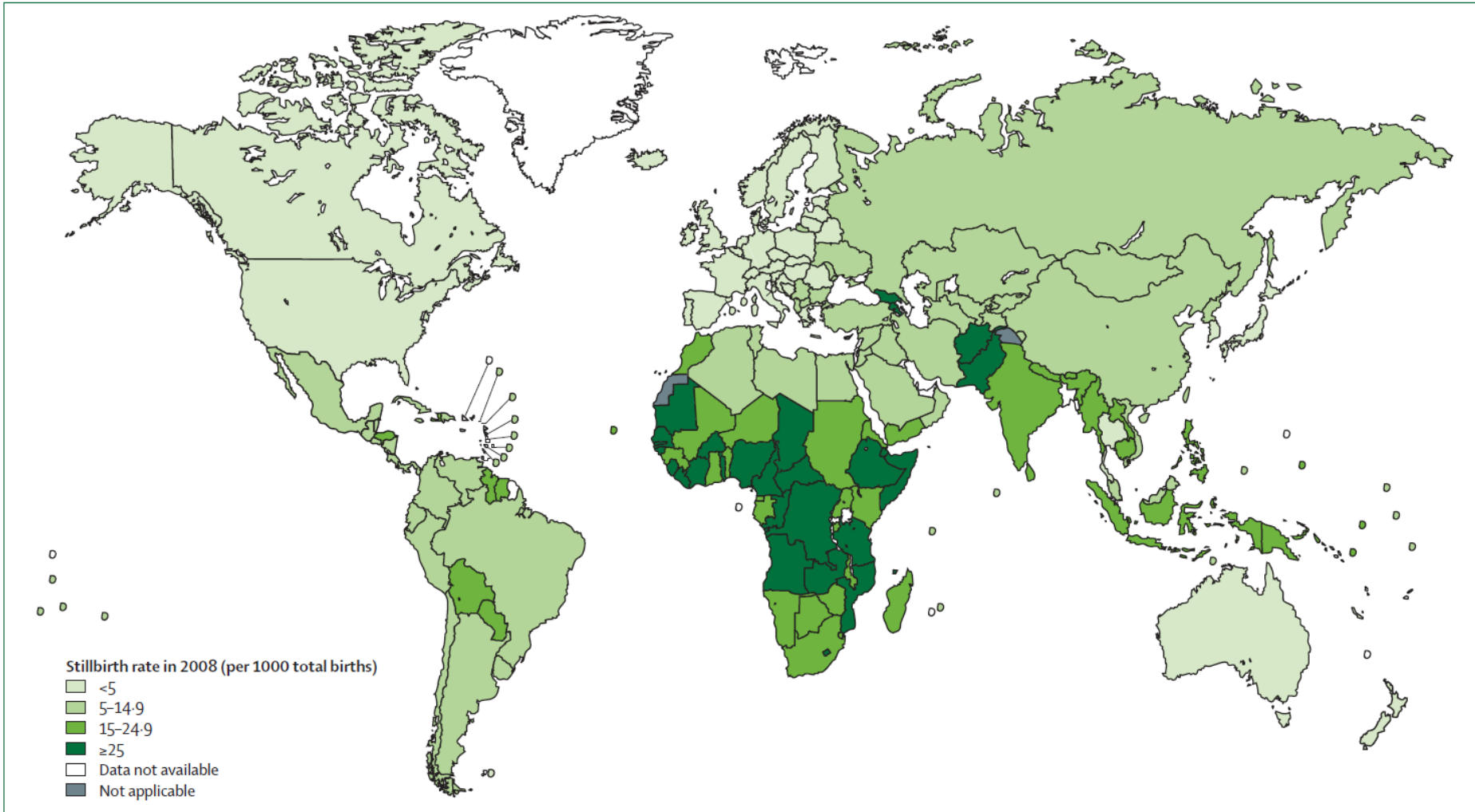
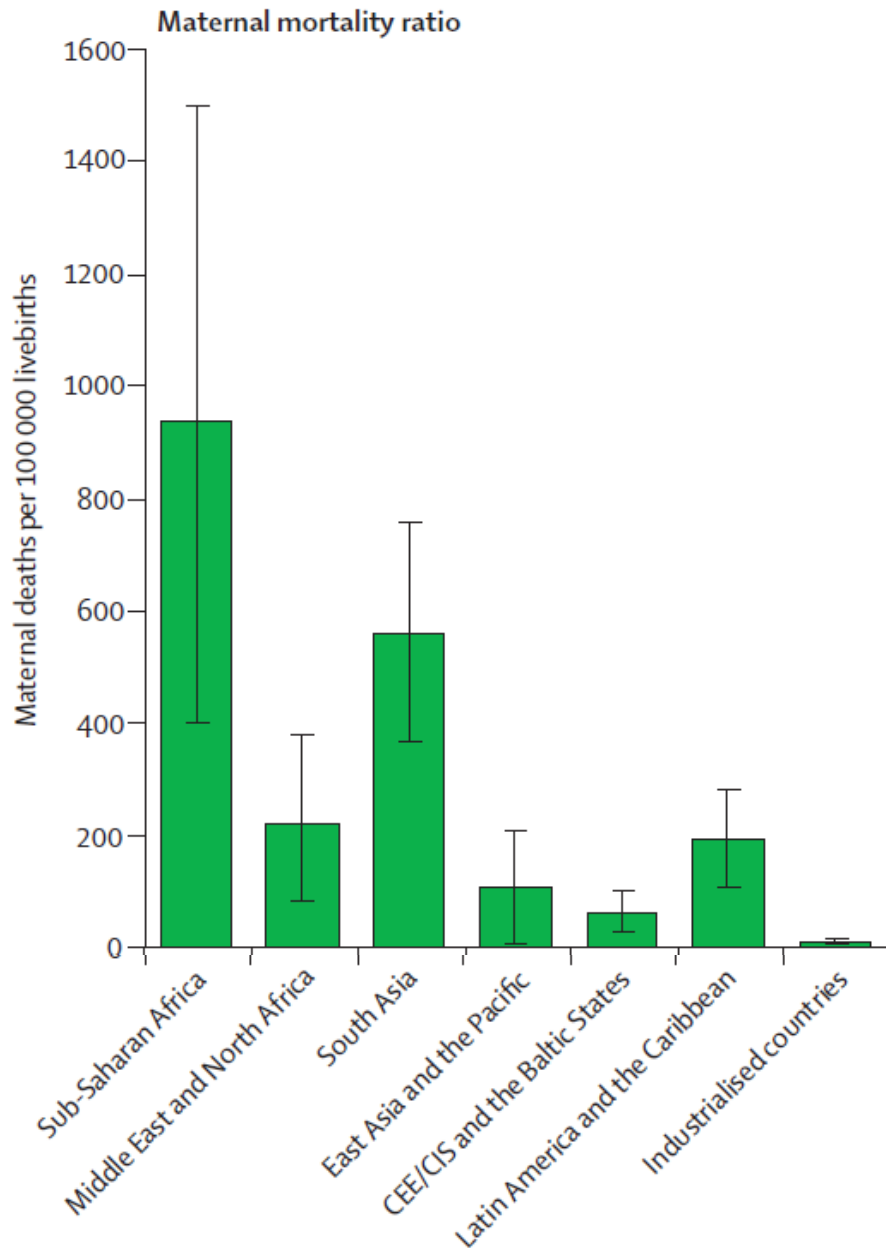


Figure 2: Country variation in third-trimester stillbirth rates in 2008



Lancet 2006; 368: 1189–200

Mødredødelighet

- I Afrika
 - nesten 1/100 svangerskap
- Burkina Faso:
 - 1 av 28 mødre dør
- Uganda:
 - 1 av 35 mødre dør

**Hver dag dør:
1000 mødre og
10.000 barn ved fødsel
Vi har noen utfordringer –
har vi noen muligheter?**

Ja!

Makerere i Uganda 700 datamaskiner i samme datasal!



«Alle» har mobil





Også i distrikta



MTN
Mobile
Money



goes global.

MTN has partnered with Western Union to offer Mobile Money transfer services across the world. MTN Mobile Money users can now send and receive money through Western Union agents using MTN Mobile Money.

Visit www.mtn.co.ug for Terms and Conditions

Fast Find

SIM Card Registration

Your MTN number is Your Identity

Western Union Mobile Money

MTN Mobile Money Goes Global

MTN Shop

Phones available at MTN Service Centers and selected dealer shops

MTN CallerTunez

Get your callers shaking whenever they call you

MTN Internet Self Care Portal

Manage your Mobile Internet account.

MTN Football

Get to know your football news

Get More with M

We are a subsidiary of the MTN Group, a global telecommunications company, operating in Uganda. We strive to provide the best possible service to our customers through text, email, surf and talk away with our services. Our services are designed to be customised to your needs.

What's new

[MTN Bronze Bundle](#)

[MTN Radio](#)

[MTN VoiceChat](#)

[Y'ello Wednesday](#)

«Vanlig mobil» og smarttelefon



openXdata.org



- Datainnsamlingsverktøy for mobil og nett
- Åpen kilde-kode, gratis å bruke
- Generisk, kan brukes til alle formål





OPENXDATA

Free and open-source mobile and web
data collection for low resource settings



DESIGN COLLECT MANAGE



openXdata comprises many organizations
globally with deployments in Africa, South
Asia and South America

www.openXdata.org
contact@openXdata.org

Video tutorials available at:
doc.openXdata.org

Timeliness of Childhood Vaccinations in Kampala Uganda: A Community-Based Cross-Sectional Study

Juliet N. Babirye^{1,2,*}, Ingunn M. S. Engebretsen^{2,3}, Frederick Makumbi¹, Lars T. Fadnes², Henry Wamani¹, Thorkild Tylleskar², Fred Nuwaha¹

1 School of Public Health, Makerere University College of Health Sciences, Kampala Uganda, **2** Centre for International Health, University of Bergen, Bergen, Norway, **3** Department of Child and Adolescent Psychiatry, Haukeland University Hospital, Bergen, Norway

Mobile phones were used to collect the data. The questionnaire was designed and managed with OpenXdata version 1.3.4 (<http://www.openxdata.org>). The questionnaire was downloaded onto mobile telephones. The collected data on the mobile telephones were then directly synchronized onto a database on a daily basis via internet. The data saved on the server was exported to an excel work sheet and then to SPSS version 17 (SPSS Inc. Chicago, Illinois) for analysis.

Nå vil vi



- Videreutvikle programmet til å gi oppfølgende tilbakemeldinger
- Særlig med henblikk på fødselsovervåking i fødestuer langt fra allfarvei

Prototype overvåking

Vannpumper ved borehull



- SMS til database når pumpen er ødelagt
- Rapportøren får SMS som takk
- Reparatøren får SMS
- Reparatøren fyller ut rapport
- Rapportøren får SMS
- Realtidsovervåking sentralt: Hvor mange fungerer til enhver tid?

2012 2013



Sesong 248

Bergen Filharmoniske Orkester

CHRISTIEKONFERANSEN

DEN VIKTIGSTE ARENAEN FOR SAMARBEID
MELLOM UNIVERSITETET OG SAMFUNNET RUNDT



Se programmet på din smarttelefon: www.uib.no/christie

UNIVERSITETET I BERGEN



2D-strekkoder (QR-koder)



- En tilfeldig kode festet på mors helsekort kan brukes som ID-kode
- Telefonkameraet skanner koden og opplysninger blir registrert på riktig person



FETAL HEART RATE

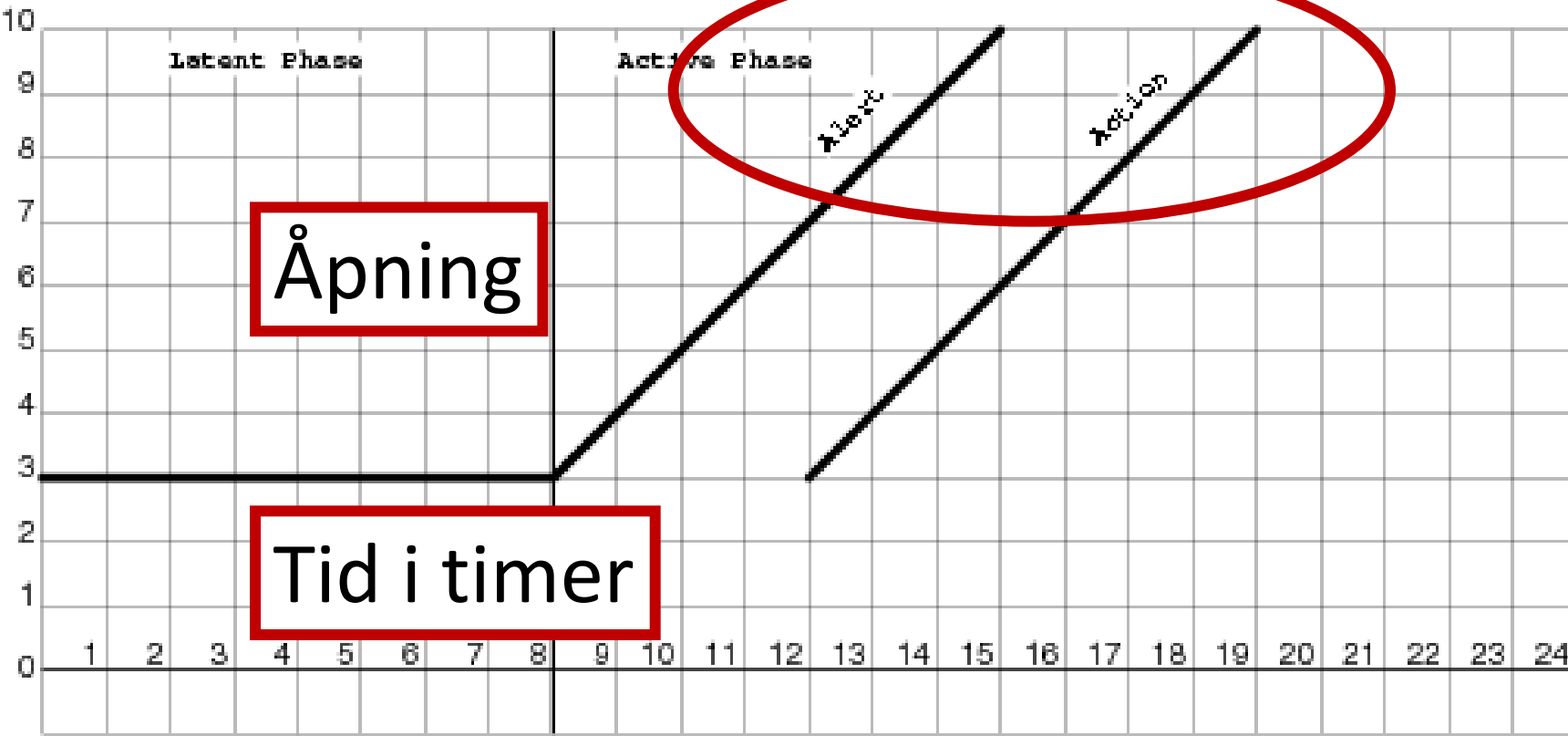
Fosterlyder

LIQUOR MOULDING

(cm)
Cervix
Plot X

Descent of Head
Plot O
Hours

Time



Åpning

Tid i timer

Rier

CONTRACTIONS PER 10 MINS

5
4
3
2
1



- Jordmor registrerer moren som kommer for å føde – får da noen spørsmål om fødselen
- Hver time spør telefonen på ny om fremdrift, fosterlyder, rier.
- Hvis timene går med liten fremdrift, kommer aksjonsorienterte meldinger.
- Man kan se for seg at



- Mobilen kan ikke gjøre det alene
- Den må kombineres med opplæring og support

Øystein Lund Rolland
Samson Gejibo
Jørn Klungsøyr



OPENXDATA

Free and open-source mobile and web
data collection for low resource settings



DESIGN COLLECT MANAGE



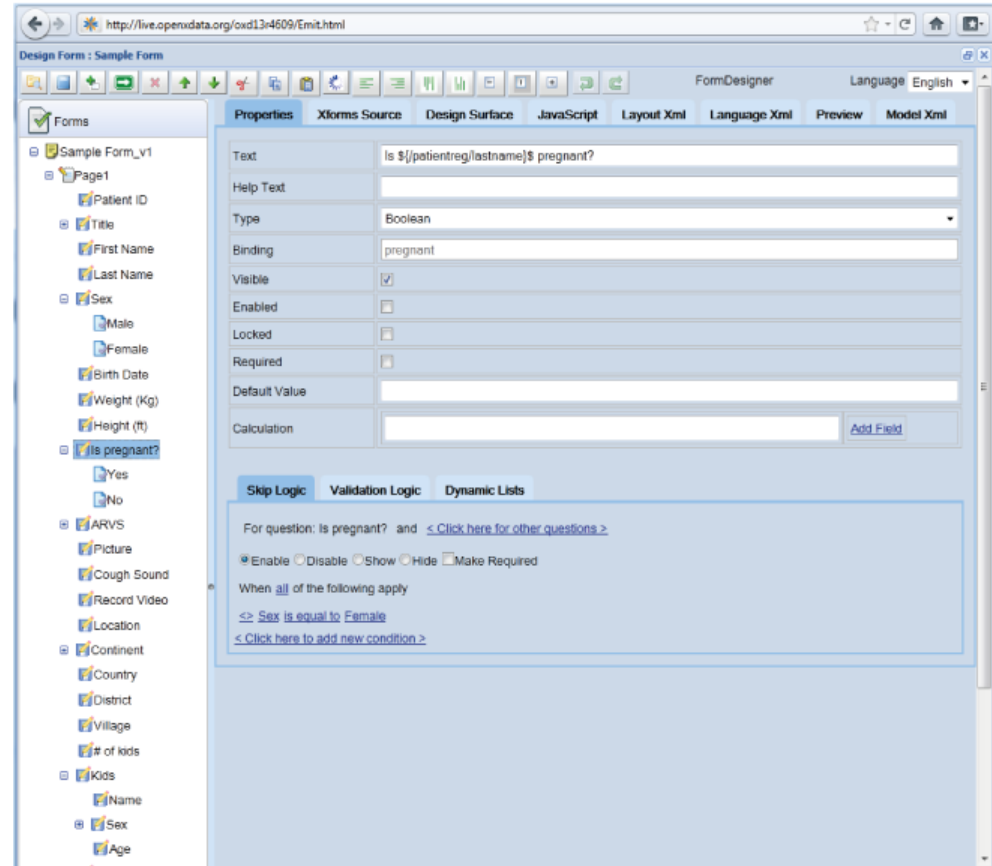
openXdata comprises many organizations
globally with deployments in Africa, South
Asia and South America

www.openXdata.org
contact@openXdata.org

Video tutorials available at:
doc.openXdata.org

DESIGN

- Design complex forms in graphical interface
- Supported question types include:
Text, Numbers, Date, Single/Multi-select, Multimedia, Geotagging
- Define skip logic & answer validation criteria



COLLECT (I)

The screenshot shows a web browser window titled "Capture Data : Sample Form" with two tabs, "Page1" and "Page2". The form is organized into several sections:

- Demographics:** Includes input fields for Patient ID, Birth Date, Title (dropdown), Weight (Kg), First Name, Height (ft), Last Name (with "re" entered), and Sex (dropdown).
- Pregnancy:** Includes a dropdown menu for "Is pregnant?".
- ARVS:** Includes five checkboxes for AZT, ABICAVIR, TRUVADA, EFTVARENCE, and TRIOMUNE.
- Media Capture:** Three sections for "Picture", "Record Video", and "Cough Sound", each with a "Browse" and "Clear" button.
- Submission:** "Submit" and "Cancel" buttons at the bottom.

Web-based forms can be accessed through desktop computer, laptop or netbook with access to the internet.



MANAGE (I)

- Own your data - host on your own servers
- Define roles for different types of users (e.g. administrator, study manager, data manager, mobile data collector)
- Export data to csv or direct to a relational database
- Manage data and forms using a standard web-browser





User : OpenXdata Administrator

My Details Admin Logout

List of Forms

Show all Versions

Form	Respo...
Christie Conference	
Questions (v2)	42
Example Study	
Sample Form (v1)	0

Search Page 1 of 1 Displaying 1 - 2 of 2 items per page

New Edit Delete Export Import

Capture Data View Responses

List of Users

Language



User : OpenXdata Administrator

My Details

Admin ▾

Logout

List of Forms

List of Users

Use	First Name	Middle Name	Last Name	Status	E-mail	Phone
adr	OpenXdata		Administrator	Active	contact@openxdata.org	000
guy	legacy		user	Disabled		
mot				Active		
mot				Active		
mot				Active		
mot				Active		
mot				Active		
mot				Active		
mot				Active		
mot				Active		

Search

Page 1

of 1

Displaying 1 - 14 of 14

items per page

New

Edit

Import

Language

- Roles**
- Role_Administrator
 - Role_Study_Manager
 - Role_Report_Manager
 - Role_Data_Manager
 - Role_Data_Collector
 - Role_Mobile_User
 - Role_Report_User

Role Properties **Roles Management**

Name	Role_Administrator
Description	Super user of the system

- Tasks**
- Settings**
- Datasets**

Christie Conference-Questions-v2

Close

OXD Form Designer Language English

Properties | Xforms Source | Design Surface | JavaScript | Layout Xml | Language Xml | Preview

Forms

- Quiz
 - Page1
 - Name
 - Phone number
 - Gender
 - Where are open
 - Is openXdata fr

Palette

Widget Properties

Text	Quiz
Help Text	
Type	
Binding	christie_conference_questions_v2
Visible	<input type="checkbox"/>
Enabled	<input type="checkbox"/>
Locked	<input type="checkbox"/>
Required	<input type="checkbox"/>
Default Value	
Calculation	<input type="text"/> Add File

Skip Logic | Validation Logic | Dynamic Lists

For question: and [< Click here for other questions >](#)

Enable
 Disable
 Show
 Hide
 Make Required



Forms

- Quiz
 - Page1
 - Name
 - Phone number
 - Gender
 - Where are open
 - Is openXdata fr

Palette

Widget Properties

Name

Phone number

Gender

Where are openXdata deployed? Uganda

Iceland

India

Nepal

No clue

Is openXdata free and open source?

Submit

Cancel

Browse Responses 'Questions'

From To Capturer

Audit details			Captured data					is_openxdata
id	Date	Capturer	name	phone_number	gender	where_are_openxdata_de...		
36	25 Apr 2012 14:41:37	mobile5	Mar	51714	female	uganda	true	
38	25 Apr 2012 14:44:11	mobile3	Gry	12372	female	uganda	true	
33	25 Apr 2012 14:35:54	mobile1	Tiril	04089	female	india nepal	true	
21	25 Apr 2012 11:10:50	mobile8	Des	97904	female	uganda india		
42	25 Apr 2012 14:44:46	mobile8	Mar	49954	female	uganda	true	
2	24 Apr 2012 21:07:43	mobile5		45678				
35	25 Apr 2012 14:41:37	mobile5	Dav	31163	male	uganda nepal	true	
13	25 Apr 2012 11:06:53	mobile3	Kris	78699	male	uganda india nepal	true	
10	25 Apr 2012 11:06:12	mobile3	Silje	29330	female	uganda india	true	
3	25 Apr 2012 10:04:38	admin	Håv	47727	male	uganda	true	
17	25 Apr 2012 11:08:08	mobile3	Eirik	99181	male	uganda		
20	25 Apr 2012 11:10:44	mobile8	Jørg	41694	male	uganda india nepal	true	
5	25 Apr 2012 10:50:14	mobile7	Jørg	98540	male	uganda	true	
41	25 Apr 2012 14:44:28	mobile3	Torc	99633		uganda india nepal	true	
23	25 Apr 2012 12:32:43	mobile5	Ben	32844	female	uganda	true	
34	25 Apr 2012 14:40:50	mobile1	Sve	13980	male	uganda	true	
31	25 Apr 2012 14:30:35	mobile12	Jan	23094	male	uganda iceland	true	
37	25 Apr 2012 14:44:01	mobile2	Kirs	05353	female	no_clue	true	

Browse Responses 'Questions'

From: To: Capturer:

Audit details			Captured data					is_openxdata
Id	Date	Capturer	name	phone_number	gender	where_are_openxdata_de...		
36	25 Apr 2012 14:41:37	mobile5	Mar	51714	female	uganda	true	
38	25 Apr 2012 14:44:11	mobile3	Gry	12372	female	uganda	true	
33	25 Apr 2012 14:35:54	mobile1	Tiril	04089	female	india nepal	true	
21	25 Apr 2012 11:10:50	mobile8	Des	97904	female	uganda india		
42	25 Apr 2012 14:44:46	mobile8	Mar	49954	female	uganda	true	

2 Tue Apr 24 21:07:43 GMT+200 2012 mobile5 12345678

20	25 Apr 2012 11:10:44	mobile8	Jørgen			uganda india nepal	true
5	25 Apr 2012 10:50:14	mobile7	Ja			uganda	true
41	25 Apr 2012 14:44:28	mobile3	To	069633		uganda india nepal	true
23	25 Apr 2012 12:32:43	mobile5	Be	132844	female	uganda	true
34	25 Apr 2012 14:40:50	mobile1	Sv	813980	male	uganda	true
31	25 Apr 2012 14:30:35	mobile12	Ja	523094	male	uganda iceland	true
37	25 Apr 2012 14:44:01	mobile2	Kir	105353	female	no_clue	true

Capture Data : Questions

Name

Phone number

12345678

Gender

Where are openXdata deployed? Uganda Iceland India Nepal No clue

Is openXdata free and open source?

Submit

Cancel

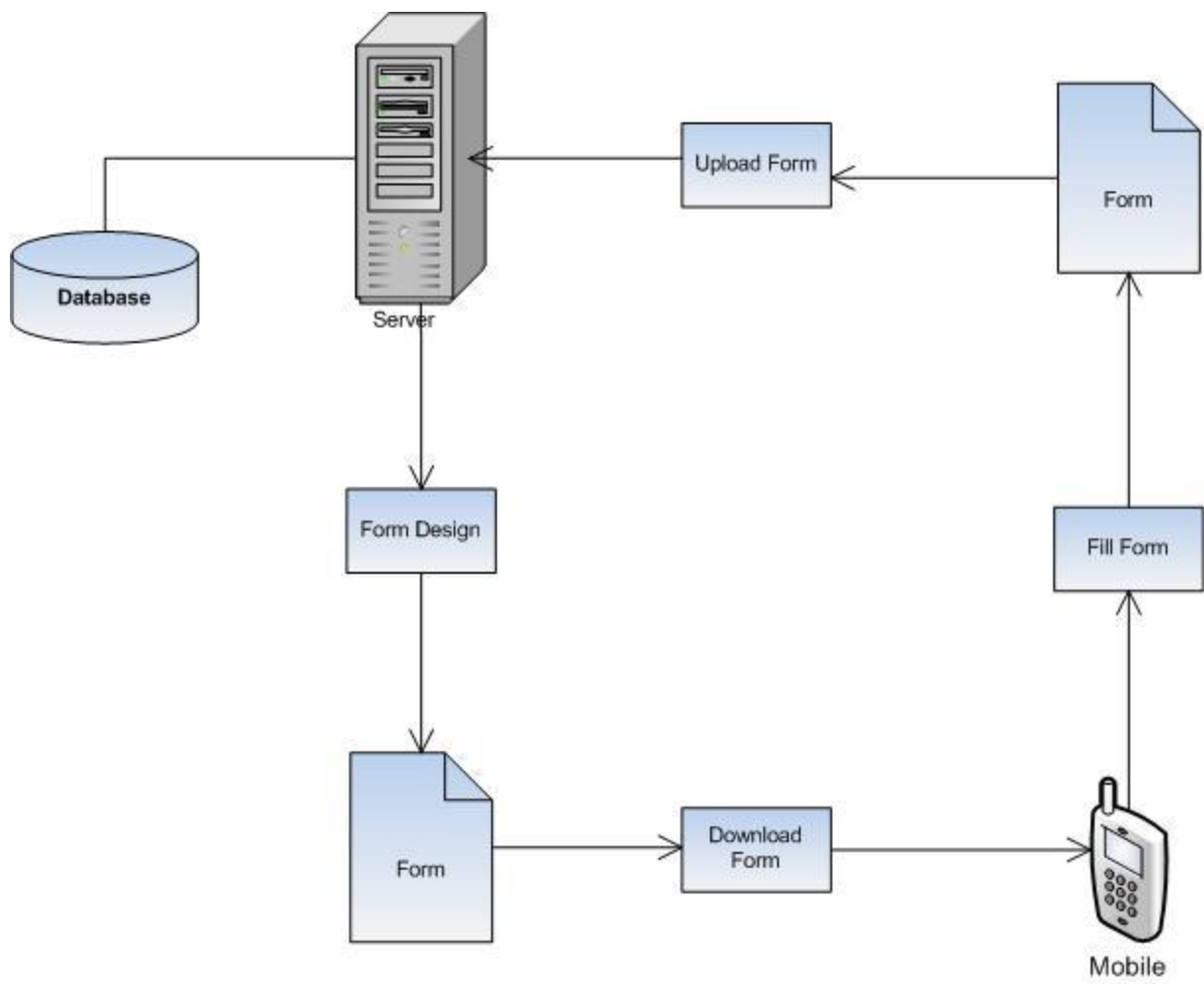
COLLECT (II)

Structured SMS – manually coded forms –
for any phone

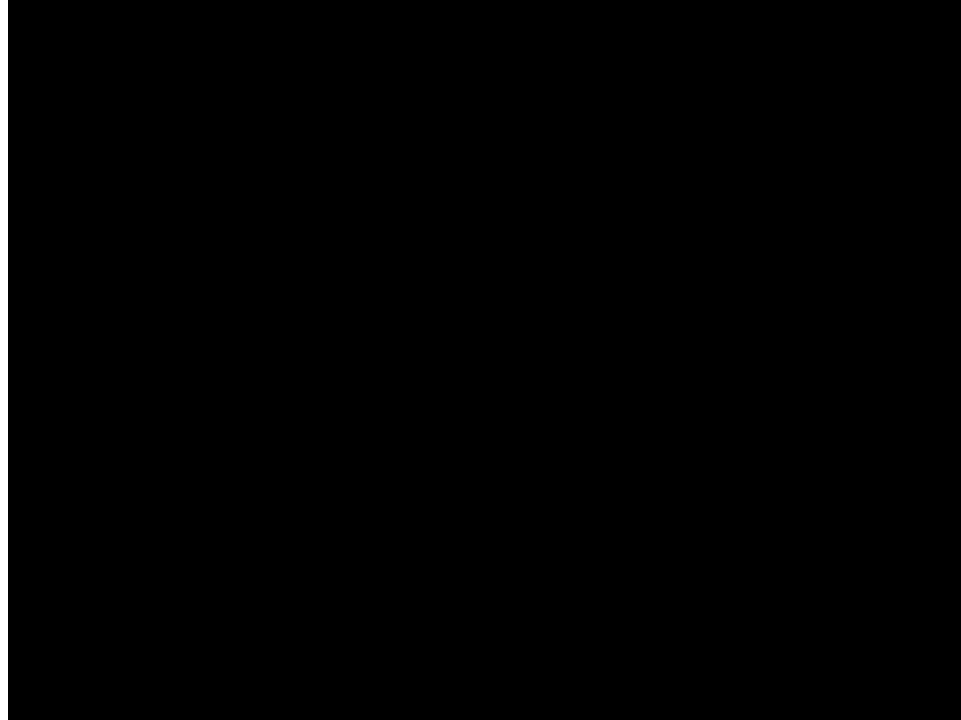
A basic java-enabled cell
phone (e.g. Nokia 1680 - \$35)
will support most of your
data collection needs.

Use a higher end phone to
gather geo-tagged &
multimedia data
(e.g. Nokia 2710 - \$150)





Video III – Rabies surveillance



*Video by [openxdata](#) via [YouTube](#)



DESIGN COLLECT MANAGE



www.openXdata.org



Partners



Nov 12, 2009. Kampala, Uganda: OpenXdata consortium members from Norway, Pakistan, India, Ethiopia, South Africa, the United States and Uganda at the launch of the openXdata platform



DESIGN COLLECT MANAGE

www.openXdata.org





OPENXDATA

Free and open-source mobile and web
data collection for low resource settings



DESIGN COLLECT MANAGE



openXdata comprises many organizations
globally with deployments in Africa, South
Asia and South America

www.openXdata.org
contact@openXdata.org

Video tutorials available at:
doc.openXdata.org

Technologies used

Server

- Java
- Spring
- Hibernate
- GWT/GXT
- MySQL
- Apache Tomcat
- Xforms and XML

Technologies used

- Liquibase – Database change management
- Testing frameworks - JUnit / Spring Testing Framework
- Build Tool – Maven
- Dependency management - Nexus

Mobile

- J2ME

Key Innovations

Binary Protocol plugin – handle multiple versions of clients.

Non-binary protocol support e.g. REST

Serverside processing of XForms and XML

Versioned Hybrid XML and Relational DB

COSMOS - Composite Streams Open Source Development

Difference to Meritocratic (e.g. Apache)

Hybrid between Apache and MySQL

The Garage Hackers

Long release cycles (1/2 - 1 year)

GarageHacking / Anarchy - just make it work -
high level of trust/autonomy - no way to
handle review/merits

Ant based - no dependency management

Dependencies part of subversion

Fragile release management

Mobile build required WTK

Community processes

Agile / XP influenced

Tickets

Milestones

Prioritized backlogs

Management Committee

Core committers - how to become

Patch submission

Continuous Integration

Subversion - Code repository

Trac – Ticket and development management

Jenkins – Continuous Integration server (build server)

Nexus – Artifact repository

Cobertura – Test coverage

FindBugs – Code analyse

Checkstyle – Code style checking

Concordion - Acceptance tests

Release management

- 2 week iterations
- Release if working builds and if work has been done
- If a Release can be candidate for public release
- start separate maintenance branch and schedule milestones
- Publish as public release once satisfactory stability
- Continue maintenance until retired

How a release is made

- Update dependencies to released versions (not SNAPSHOT)
- Schedule a release in Jenkins
- Jenkins builds, tags, publishes artifacts to Nexus.
- Update dependencies to track SNAPSHOT

Management of Branches (subversion)

- Branches are primarily used only for short term risky work
- Branches are used for maintenance releases based on a tag.



Create a ticket: [Defect/Bug](#) - [Feature](#) - [Enhancement](#) - [Requirement](#) - [Story](#) - [Task](#)

Automated builds: [Jenkins](#) - [Server Nightly](#) - [Server on Commit](#) - [mForms](#) - [Forms \(web\)](#)

Metrics: [JavaDoc](#) - [Cobertura](#) - [Acceptance Tests](#) - [Checkstyle](#) - [FindBugs](#)

Current Milestone: [See roadmap](#) - [Tickets ready for testing](#) - [Code to be reviewed](#)

This is the openXdata developers wiki, for User documentation, visit www.openxdata.org

For introductory information, community, support, contacts, documentation (non-developer), non-developer installation and more please go to www.openxdata.org

Installation

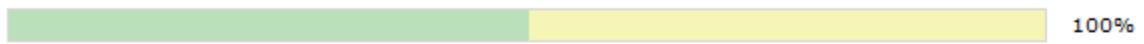
- [Simplified Developer setup for openXdata](#)
- [Detailed Developer setup for openXdata](#)

Developer resources

- [ProcessChanges and Process Improvement](#)
- [OpenXdata Architectural Overview](#)
- [Using git-svn with openxdata](#)
- [Version number conventions](#)
- [End to end debugging \(mobile-to-server-to-mobile\)](#)
- [How to report bugs, feature requests etc](#)
- [Relevant technologies](#)
- [Best Practices, Methodologies and Developer skills](#)
- [Subversion Repository Code of Conduct](#)
- [Developer Guides](#)
- [Continuous integration \(the build server\)](#)
- [Community processes](#)

Milestone: server-1.13

2 weeks late (04/11/12)



Closed tickets: 2 In test tickets: 2 Open tickets: 0 / Total tickets: 4

Milestone: mforms-1.7.3

8 hours late (04/26/12)

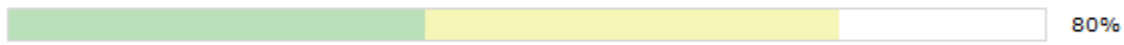


Closed tickets: 0 In test tickets: 0 Open tickets: 1 / Total tickets: 1

J2ME-based data collection application, maintenance release.

Milestone: mforms-2.2

8 hours late (04/26/12)



Closed tickets: 4 In test tickets: 4 Open tickets: 2 / Total tickets: 10

J2ME-based data collection application.

Milestone: oxdforms-1.8

8 hours late (04/26/12)

Milestone: server-1.8.5

8 hours late (04/26/12)


 Search

 logged in as jornklung | [Logout](#) | [Preferences](#) | [Help/Guide](#) | [About Trac](#)
[Wiki](#) | [Timeline](#) | [Roadmap](#) | [Browse Source](#) | [View Tickets](#) | [New Ticket](#) | [Search](#) | [Admin](#) | **Backlog**

openXdata prioritized backlog

Id	Summary	Component	Version	Type	Owner	Status	
#740	Consistent forms support across components	Not Selected		feature		new	(unscheduled) Due: -- Tickets: 6
#741	Enable web runner to handle complex forms	Form Entry		feature		new	mforms-2.1 Due: 04/11/12 Tickets: 0
#713	When a missing protocol jar is installed on the server, the mobile client cannot login if login failed the first time	Mobile	mforms-1.3	defect		new	oxdforms-1.7 Due: 04/11/12 Tickets: 1
#716	Expanded xpath support on mobile	Mobile	mforms-2.x	feature		new	server-1.13 Due: 04/11/12 Tickets: 2
#626	Changing study/form name in wizard does not update related form element in designer	Form Creation	trunk	defect	dagmar	infoneeded_new	mforms-17.3 Due: 04/26/12 Tickets: 1
#317	Problem in Date and Time fields when Server Time-zone is different from the	Data Export	server-1.3	defect		in_QA	mforms-2.2 Due: 04/26/12 Tickets: 5



logged in as jornklung | [Logout](#) | [Preferences](#) | [Help/Guide](#) | [About Trac](#)

[Wiki](#)

[Timeline](#)

[Roadmap](#)

[Browse Source](#)

[View Tickets](#)

[New Ticket](#)

[Search](#)

[Admin](#)

[Backlog](#)

[← Previous Period](#) | [Next Period →](#)

Timeline

04/25/12: Yesterday

23:46 Ticket [#768](#) (Unable to upload data via mobile client, with server 1.3.4 and mforms 2.2) closed by birdsarah

wontfix: +1 for not supporting forward compatability - sorry oystein

17:45 Ticket [#660](#) (If user with Role_Mobile_User is able to log into the dashboard, they will ...) updated by dinebennett

status changed

Please ignore my previous comment, you were right to include a new role. ...

17:42 [OXD-660.3.patch](#) attached to [Ticket #660](#) by dinebennett

16:37 Ticket [#768](#) (Unable to upload data via mobile client, with server 1.3.4 and mforms 2.2) updated by dagmar

What is being describe here is what I would call forwards compatibility. ...

15:52 Ticket [#729](#) (Unanswered repeat questions don't fire validation rules.) updated by dagmar

status changed

15:51 Ticket [#696](#) (Mobile client doesn't lock up questions when they are locked) updated by jenkinstrac

Referenced in build ...

15:51 Ticket [#696](#) (Mobile client doesn't lock up questions when they are locked) closed by dinebennett

fixed: This was quite a simple fix, I am happy to skip QA and mark it as fixed.

15:50 Ticket [#696](#) (Mobile client doesn't lock up questions when they are locked) updated by dinebennett

status changed

Applied in [r6045](#).

View changes from

and days back

done by

- Opened and closed tickets
- Ticket updates
- Repository checkins
- Milestones
- Wiki changes



Ticket #658 (needs_review defect)

It is not possible to delete a Study/Form/Version with voided data

Opened [3 months](#) ago

Last modified [41 hours](#) ago

Reported by:	dagmar	Owned by:	dinebenett
Priority:	major	Milestone:	server-1.14
Component:	Dashboard	Version:	server-1.3
Keywords:		Cc:	
Parent Id:			

Description (last modified by dagmar) (diff)

If a Form Version has voided (deleted) data, then it is not possible to delete that study, form or version..

Steps to reproduce:

1. Create a Form Version
2. Capture data
3. Open View Responses window
4. Delete (all) data
5. Select Form Version
6. Press Delete button
7. Select option to delete Form Version

Expected result:



Ticket #658: OXD-658.3.patch

File OXD-658.3.patch, 35.4 KB (added by dinebennett, 41 hours ago)

model/src/main/java/org/openxdata/server/admin/model/FormDef.java

Tabular | Unified

128	128	public List<FormDefVersion> getVersions() {
129	129	return versions;
130	130	}
131	131	
132	132	public List<Integer> getVersionIds() {
133	133	List<Integer> fdvids = new ArrayList<Integer>();
134	134	for (int i=0; i< getVersions().size(); i++) {
135	135	fdvids.add(getVersions().get(i).getId());
136	136	}
137	137	return fdvids;
138	138	}
131	139	
132	140	/**
133	141	* Returns a version of the Form with the name





model/src/main/java/org/openxdata/server/admin/model/StudyDef.java

Tabular | Unified

51	51	public List<FormDef> getForms() {
52	52	return forms;
53	53	}
	54	

Jenkins

Jenkins [ENABLE AUTO REFRESH](#)

-  [People](#)
-  [Build History](#)
-  [Project Relationship](#)
-  [Check File Fingerprint](#)



























Build Queue

No builds in the queue.

Build Executor Status

#	Master
1	Idle
2	Idle
wtk-slave	
1	Idle

All Reports

S	W	Name ↓	Last Success	Last Failure	Last Duration
		mForms Protocol	18 hr (#157)	8 days 0 hr (#149)	14 sec
		openclinica-conversion-tools	1 day 18 hr (#396)	19 hr (#397)	1 min 32 sec
		OpenXdata	20 hr (#888)	3 mo 0 days (#817)	3 min 1 sec
		OpenXdata-1.2.X	8 mo 5 days (#51)	9 mo 11 days (#45)	3 min 48 sec
		OpenXdata-1.3.X	5 days 17 hr (#159)	1 mo 11 days (#154)	4 min 3 sec
		OpenXdata-1.8.X	6 days 21 hr (#30)	N/A	2 min 57 sec
		openxdata-forms	7 days 23 hr (#60)	N/A	29 sec
		openxdata-forms-1.0.X	5 mo 29 days (#9)	N/A	30 sec
		openxdata-forms-1.3.X	1 mo 11 days (#14)	N/A	27 sec
		openxdata-mforms	18 hr (#169)	1 mo 22 days (#146)	53 sec
		openxdata-mforms-1.3	7 mo 17 days (#1)	N/A	18 sec
		openxdata-mforms-1.7.X	27 days (#11)	N/A	25 sec
		OpenXdata-nightly	7 hr 0 min (#647)	12 days (#635)	6 min 34 sec

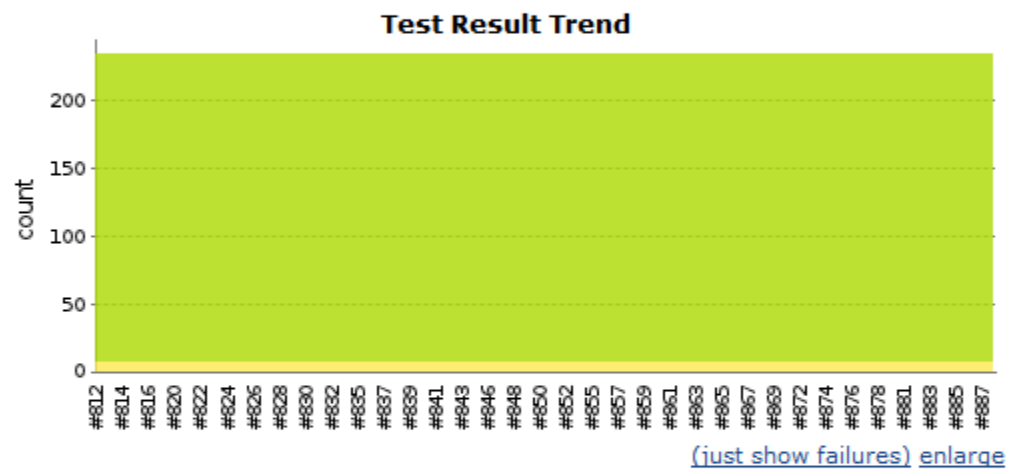
Jenkins

[Jenkins](#) » [OpenXdata](#)

- [Back to Dashboard](#)
- [Status](#)
- [Changes](#)
- [Modules](#)
- [Trac](#)
- [Subversion Polling Log](#)

Project OpenXdata



-  [Recent Changes](#)
-  [Latest Test Result \(no failures\)](#)



Build History [\(trend\)](#)

-  #888 [25-Apr-2012 13:41:08](#)
-  #887 [25-Apr-2012 13:21:08](#)
-  #886 [19-Apr-2012 12:11:08](#)
-  #885 [19-Apr-2012 10:56:08](#)
-  #884 [19-Apr-2012 07:51:08](#)
-  #883 [18-Apr-2012 15:51:08](#)
-  #882 [18-Apr-2012 11:51:08](#)
-  #881 [18-Apr-2012 11:26:40](#)
-  #880 [18-Apr-2012 11:14:04](#) 
-  #879 [18-Apr-2012 11:11:08](#)
-  #878 [18-Apr-2012 11:06:08](#)
-  #877 [18-Apr-2012 10:50:25](#)
-  #876 [11-Apr-2012 14:16:51](#)
-  #875 [11-Apr-2012 13:36:51](#)
-  #874 [11-Apr-2012 11:46:51](#)

Upstream Projects

-  [openxdata-forms](#) 

Downstream Projects

-  [openxdata-server-acceptance-test](#) 
-  [openxdata-server-checkstyle](#) 
-  [openxdata-server-cobertura](#) 
-  [openxdata-server-findbugs](#) 
-  [openxdata-server-javadoc](#) 

Permalinks

- [Last build \(#888\), 18 hr ago](#)
- [Last stable build \(#888\), 18 hr ago](#)
- [Last successful build \(#888\), 18 hr ago](#)
- [Last failed build \(#817\), 3 mo 0 days ago](#)
- [Last unstable build \(#842\), 1 mo 26 days ago](#)
- [Last unsuccessful build \(#842\), 1 mo 26 days ago](#)

CSV export Acceptance test

All tests are captured by admin on the 15/09/2010.

The exporter should handle normal xforms with a int and a string as input.

Given a form that has two fields, one field is called firstname and has type string. The other field is called age and is a integer field. When we export the data after submitting these data:

Submission where fields are separated with

David#8
Peter#16

Then the CSV exporter should produce this output:

```
ID,CAPTURER,CREATION DATE,FIRSTNAME,AGE
1,admin,15/09/2010,David,8
2,admin,15/09/2010,Peter,16
```

The exporter should handle normal a xform with a GPS location as input.

Given this form with a name and a locationfield.

```
<xforms xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <model>
```

Jenkins

search [log in](#)

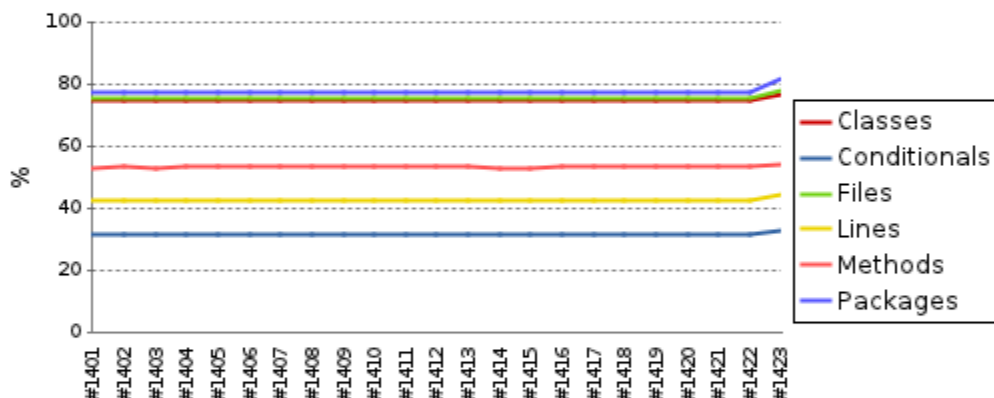
Jenkins » [openxdata-server-cobertura](#) » [#1423](#)

- [Back to Project](#)
- [Status](#)
- [Changes](#)
- [Console Output](#)
- [View Build Information](#)
- [Redeploy Artifacts](#)
- [Test Result](#)
- [Coverage Report](#)
- [See Fingerprints](#)
- [Previous Build](#)

Code Coverage

Cobertura Coverage Report

Trend

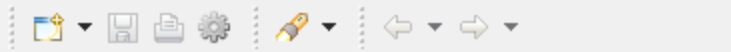


Project Coverage summary

Name	Classes	Conditionals	Files	Lines
Cobertura Coverage Report	76% 103/135	33% 865/2641	78% 94/121	44% 2762/6277

Coverage Breakdown by Package

Name	Classes	Conditionals	Files
org.fcitruk.epihandy	0% 0/1	N/A	0% 0/0
org.openxdata.communication.bluetooth	0% 0/2	0% 0/18	0% 0/0
org.openxdata.server	60% 3/5	30% 13/44	60% 3/5



LDAP Browser

LDAP Browser tree view:

- DIT
 - Root DSE (2)
 - dc=openxdata,dc=org (3)
 - ou=groups (10)
 - cn=devserveradmin
 - cn=jenkinsadmin
 - cn=nexusadmin
 - cn=pamuser
 - cn=svnuser
 - cn=tracadmin
 - cn=tracbacklogadmin
 - cn=tracpowerusers
 - cn=tracuser
 - cn=wordpressuser
 - ou=pamhosts
 - ou=people
- Searches
- Bookmarks

cn=nexusadmin,ou=groups,dc=openxdata,dc=org

DN: cn=nexusadmin,ou=groups

Attribute Description	Value
objectClass	groupOfNames (structural)
objectClass	top (abstract)
cn	nexusadmin
member	uid=batkinson,ou=people,dc=ope...
member	uid=dagmar,ou=people,dc=open...

Modification Logs Search Logs

```

#!RESULT OK
#!CONNECTION ldap://ldap.openxdata.org:636
#!DATE 2012-04-13T12:23:45.651
dn: cn=tracbacklogadmin,ou=groups,dc=openxdata,dc=org
changetype: modify
add: member
member: uid=mapkon,ou=people,dc=openxdata,dc=org
-

#!RESULT OK
#!CONNECTION ldap://ldap.openxdata.org:636
#!DATE 2012-04-25T13:25:55.325
dn: cn=nexusadmin,ou=groups,dc=openxdata,dc=org
changetype: modify
add: member
member: uid=dagmar,ou=people,dc=openxdata,dc=org
-

```

Connections Servers

Connections list:

- ldap.openxdata.org (LDAPS)
- root.ldap.openxdata.org (LDAPS)

LDAP

Outline

LDAP Outline:

- cn=nexusadmin,ou=groups,dc=openxdata,dc=org
 - member (2)
 - cn (1)
 - objectClass (2)

Progress

No operations to display at this time

Firefox

Con... RelevantTec... Developer... processes - ... OpenXdata... openXdata ... Timeline - ... Roadmap - ... / - Open... x

openxdata.org https://trac.openxdata.org/browser

Google

▶ Experimental	6003	9 days	dagmar: Changed the capture_date expected data for Monthly and Yearly data ...	
▶ Forms	6020	8 days	mapkon: [maven-release-plugin] prepare for next development iteration	
▶ J2ME	6045	16 hours	dagmar: #696 Fixes issue with locked questions on the mobile. Submitted by: ...	
▼ Server	6044	19 hours	dagmar: #701 changed protocol implementation so we can support non-OXD clients ...	
▼ branches	6041	7 days	dagmar: #727 fix issue where next button is not enabled in the New Study/Form ...	
▶ emit-1.0	2578	21 months	dagmar@cell-life.org.za: fixed character encoding problem in EMIT 1.0 branch	
▶ openxdata-1.3.X	5936	5 weeks	batkinson: Formatting sources with openxdata-eclipse-codestyle.xml	
▶ openxdata-1.8.X	6041	7 days	dagmar: #727 fix issue where next button is not enabled in the New Study/Form ...	
▶ openXdata-wm-5	676	2 years	ctumwebaze@gmail.com:	
▶ oxd-snv	819	2 years	ctumwebaze@gmail.com:	
▶ oxd-wf-prototype	3728	15 months	gmuthondu@gmail.com: added immunization dependance onto server project pom	
▶ release_1_1	2550	21 months	dagmar@cell-life.org.za: removed reference to META-INF directory, which does not exist	
▶ release_1_2_X	5036	8 months	brent.atkinson@gmail.com: Fixing build, resolving plugins from oxd nexus.	
▶ wf-intergration	5355	6 months	ronaljdk: Ignore workitems that were already canceled.	
▶ tags	6024	8 days	mapkon: [maven-release-plugin] copy for tag oxd-1.13	
▼ trunk	6044	19 hours	dagmar: #701 changed protocol implementation so we can support non-OXD clients ...	
▶ model	6025	8 days	mapkon: [maven-release-plugin] prepare for next development iteration	
▶ protocol-api	6043	19 hours	dagmar: #701 added protocol support to the API for non-OXD clients (e.g. ODK or ...	
▶ protocol-providers	6042	6 days	mapkon: Update the version of mforms-server to track with the latest SNAPSHOT.	
▶ rpc-interface	6025	8 days	mapkon: [maven-release-plugin] prepare for next development iteration	
▶ server	6044	19 hours	dagmar: #701 changed protocol implementation so we can support non-OXD clients ...	
▶ webapp	6044	19 hours	dagmar: #701 changed protocol implementation so we can support non-OXD clients ...	
. gitignore	1.5 KB	5495	5 months	mapkon: Add eclipse files to gitignore to reduce noise.

▶ J2ME	6045	16 hours	dagmar: #696 Fixes issue with locked questions on the mobile. Submitted by: ...
▼ Server	6044	19 hours	dagmar: #701 changed protocol implementation so we can support non-OXD clients
▶ branches	6041	7 days	dagmar: #727 fix issue where next button is not enabled in the New Study/Form ...
▼ tags	6024	8 days	mapkon: [maven-release-plugin] copy for tag oxd-1.13
▶ before-ant-removal	1952	23 months	jonny.hegghem@cih.uib.no: Tagging the revision before the removal of the Ant bui
▶ mforms-proto-1.4	5073	8 months	brent.atkinson@gmail.com: [maven-release-plugin] copy for tag mforms-proto-1.4
▶ mforms-proto-1.5	5426	5 months	batkinson: [maven-release-plugin] copy for tag mforms-proto-1.5
▶ mforms-proto-1.6	5483	5 months	batkinson: [maven-release-plugin] copy for tag mforms-proto-1.6
▶ mforms-proto-1.7	5603	3 months	skelly: [maven-release-plugin] copy for tag mforms-proto-1.7
▶ mforms-proto-1.8	5718	2 months	batkinson: [maven-release-plugin] copy for tag mforms-proto-1.8
▶ mforms-proto-2.0	6009	8 days	mapkon: [maven-release-plugin] copy for tag mforms-proto-2.0
▶ openxdata-1.2	4849	9 months	brent.atkinson@gmail.com: Creating a more usable tag for 1.2 release.
▶ openxdata-1.2.1	4831	9 months	brent.atkinson@gmail.com: [maven-release-plugin] copy for tag openxdata-1.2.1
▶ openxdata-1.2.2	5037	8 months	brent.atkinson@gmail.com: Retro-fixing tagged release, tsk tsk.
▶ oxd-1.3	5084	8 months	brent.atkinson@gmail.com: [maven-release-plugin] prepare release openxdata-1.3
▶ oxd-1.3.1	5136	7 months	batkinson: [maven-release-plugin] copy for tag oxd-1.3.1
▶ oxd-1.3.2	5232	6 months	batkinson: [maven-release-plugin] copy for tag oxd-1.3.2
▶ oxd-1.3.3	5340	6 months	batkinson: [maven-release-plugin] copy for tag oxd-1.3.3
▶ oxd-1.3.4	5357	6 months	batkinson: [maven-release-plugin] copy for tag oxd-1.3.4
▶ oxd-1.3.5	5885	6 weeks	batkinson: [maven-release-plugin] copy for tag oxd-1.3.5
▶ oxd-1.4	5364	6 months	batkinson: [maven-release-plugin] copy for tag oxd-1.4
▶ oxd-1.5	5429	5 months	batkinson: [maven-release-plugin] copy for tag oxd-1.5
▶ oxd-1.6	5493	5 months	batkinson: [maven-release-plugin] copy for tag oxd-1.6

Hardware infrastructure

UiB and HiAls

Local backup and cross Replication

LDAP – Linux servers and services.

Pgina is investigated to offer authentication for windows clients.

Account registration

30+ vm'er på XenServer (4 physical – 2 simple)

CentOS 5.7

Ubuntu 10.04 (bytte til 12.04 fra i dag?)

Windows 7 / 2003

Integration stories

OpenMRS in Peru

OpenMRS XForms module

MoTeCH

DHIS in South Africa (10k users)

OpenClinica

Workflow (YAWL)

openXmapper (GeoServer/OpenLayers)

openXanalyzeR (R for analysis)

Barcode

Offline web (eCollect)

Future plans

- Improve community processes
- Android native client
- Webclient – including offline for pads/smartphones/computers (JavaScript)
- Improved support – commercial?
- Complete integration efforts

Maven profiles

- Issue: low cost, low performance = small apps
- Maven profiles allows customized builds
- Usecase: Barcode implementation
- Pattern: Inversion og Control

openXsecure

- Objective: to develop a secure framework for mobile data collection systems at low budget settings.
- Challenges:
 - Battery power, CPU, Memory, Small Key-pad,...
 - Low Project Budget
 - Remote Working Locations (poor connectivity)
 - Phone Sharing, offline data collection
 - Usability

openXsecure

Available Solutions and Drawbacks

- HTTPS
 - covers only the transmission channel security
 - designed for open distributed systems
 - Need more certificate...costly
 - has overhead and handshake may not be acceptable in poor connectivity
- Storage protection
 - Nothing has been done so far
 - Lack of cryptographics library in Java ME

openXsecure

Proposed Secure Solution:

- The Secure solution can be easily integrated with any Java ME based applications.
- It offers:
 - data confidentiality, both on the mobile device and when data transmitted to the server
 - data integrity
 - off-line and on-line authentication
 - account and data recovery mechanisms
 - multi-user management
- A prototype of secure solution has been integrated with openXdata.



OPENXDATA

Free and open-source mobile and web
data collection for low resource settings



DESIGN COLLECT MANAGE



openXdata comprises many organizations
globally with deployments in Africa, South
Asia and South America

www.openXdata.org
contact@openXdata.org

Video tutorials available at:
doc.openXdata.org