

# MEPI Connect- “Uganisha”

*Graduate Tracking Software developed by the MEPI  
Technical Working Group for Graduate Tracking*

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MEPI Physician Tracking TWG Session, August 7<sup>th</sup>, 2014, 10:30 – 12:00



# Uganisha means Connect!



# Development Process Timeline

1. Determine Functional Requirements- What tasks must the system accomplish for its users? *Oct 2013*
  2. Modify existing open source software according to documented requirements. *Jan- Apr 2014*
  3. TWG reviews prototype demo version *Apr2014*
  4. Proof of concept at KCMUCo *Jun 2014*
  5. User Validation Workshop at KCMUCo *Jun 2014*
  6. Make final development tweaks from workshop *Jul 2014*
  7. Release pilot version of the software to TWG schools *Aug 2014*
  8. Release software globally under open source license *TBD 2015*
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# Lusaka, Zambia October 2013

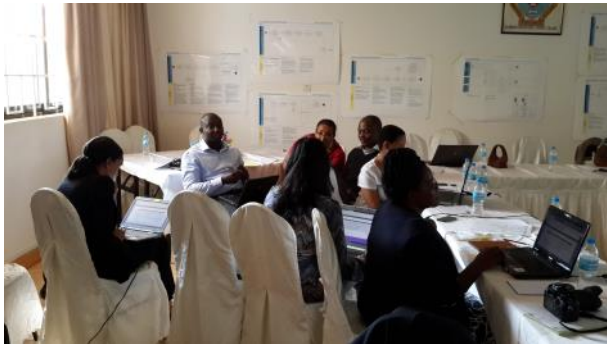
## Functional Requirements Development Workshop

- Focused on developing a system to track medical school graduates (paper or electronic).
- Developed 6 business processes the system must
  - Locate Graduates
  - Collect/Update Graduate Info.
  - Search and View Graduate Info.
  - Create Graduate Tracking Survey Tools
  - Managing Graduate Tracking Survey Response Data
  - Generate Reports
- Software system is a tool to assist in the multiple but not all business processes.
- List of functional requirements for the system served as the specifications used by software developers.

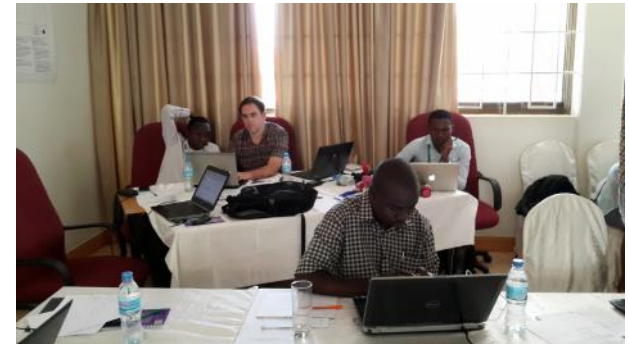


# User Validation & Training Workshop

## User Group



## Developer Team



# User Validation & Training Workshop

## Hackathon Process

Users demo and enter data into software. Provide feedback to facilitators.



Facilitators enter changes into bug tracker.



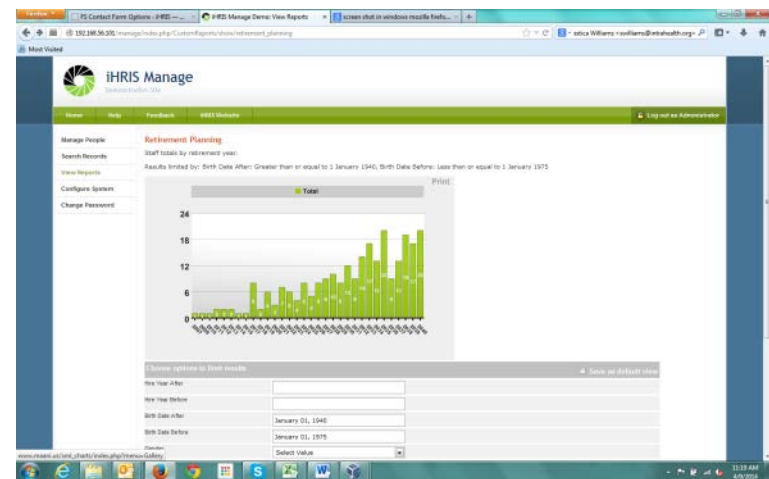
Developers ask clarifying questions and commit changes in the system in real time.



# System Core Features

- Manually enter individual data or upload bulk sets of graduate data
- Filter Search results based on key variables
- Customized reports
- Log into system over the web
- Graduates can log in and update their own records
- Role based access
- Contact Log

The screenshot displays the 'Graduate Tracking Software' interface. It features a search bar and a table of search results. The table columns include: First Name, Surname, Date of Birth, Gender, Marital Status, Medical School, Year of Graduation, Current Employment Status, Current Employer, Current Specialty, Current Employment Type, and Current Employment Date. The table contains several rows of data, including names like 'J. Smith', 'M. Jones', and 'A. Brown', along with their respective details.



# Key Variables

- Current Employer
- Employer Type (Public, Private, FBO)
- Community Engagement
- Job Preparedness
- Undergraduate Education
- Employment Status Prior to Enrollment
- Residence Prior to Enrollment
- Current Address
- Marital Status
- Specialty
- Private Practice?
- Where did you grow up?
- Where did you live the longest?
- Nationality
- Internship location
- Year of Internship
- Sponsorship During Education
- Registration Council
- License Number
- Job Satisfaction
- Okay to contact
- Deceased?
- Loan Amount
- Loan Status
- Job responsibilities
- Okay to contact?
- Primary/Secondary School
- Contact Date
- Contact Notes
- Rural & Urban designations to certain variables
- Photo
- Post graduate education



# Graduate Record

The screenshot displays the iHRIS Graduate Record web application. The browser address bar shows the URL: `demo.ihris.org/iHRIS/test/graduate/view?id=person%7C10413`. The page is organized into several sections, each with an 'Edit This Information' link and an 'Update this Information' link.

**Individual Information**

Name / Nationality	
Surname:	Wriodaichou
First Name:	Cusani
Other Names:	Mucius
Current Employment Status:	Employed
Nationality:	Taifateki
Current Residence:	Rushonga, West, Taifateki
Primary/Secondary School:	
Where did you grow up? (location):	
Where did you grow up? (specific):	
Where have you lived the longest? (location):	
Where have you lived the longest? (specific):	

**Demographic Information**

Date of Birth:	3 September 1958
Place of Birth (location):	Byusa, South, Taifateki
Place of Birth (specific):	
Gender:	Male
Marital Status:	Married

**Contact Information**

[Add Work Contact](#) | [Add Personal Contact](#) | [Add Other Contact](#) | [Add Emergency Contact](#)

**Education Details**

[Add Past Graduate Training](#)

**Medical School**

Medical School:	Taifateki Medical School
Year of Graduation:	2003

**Employment History**

[Add Employment](#) | [Add Registration](#)

**Employer Information**

Company Name:	Taifateki Regional Hospital
Employer Type:	Public
Rural/Urban:	Rural
Date Started:	6 November 2009
Date Ended (leave blank if still employed):	

**Registration/License Information**

Registration Council:	Taifateki Medical Council
Registration Number:	173721
Registration Date:	20 January 2005
License Number:	175794

The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying the time as 1:40 PM on 1/28/2014.

# Reporting Capabilities

- Cross reference any set of variables
- Generate pie or bar graphs
- Filter within the report by any variables
- Set reports to be emailed to recipients automatically
- Print hard copy reports
- Group reports together by type or by role

# Role within Institution

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demo.ihris.org/iHRIS/test/graduate/CustomReports/show/practicing

RIS Suite in Launc... My groups - Google... Global Health Workf... EST to CAT Time Co... iHRIS Graduate Dem... IHRIS Wiki iHRIS > Log In Google Analytics OpenHIE HW Registry opensource.com OpenHIE Web

## Graduate Tracking Software

Home Feedback Log out as Administrator

- dd Graduate
- earch Records
- iew Reports
- onfigure System
- hange Password

### Number Practicing

Displays the number of records by their role in their current institution.  
Results limited by: Deceased?: No

Print

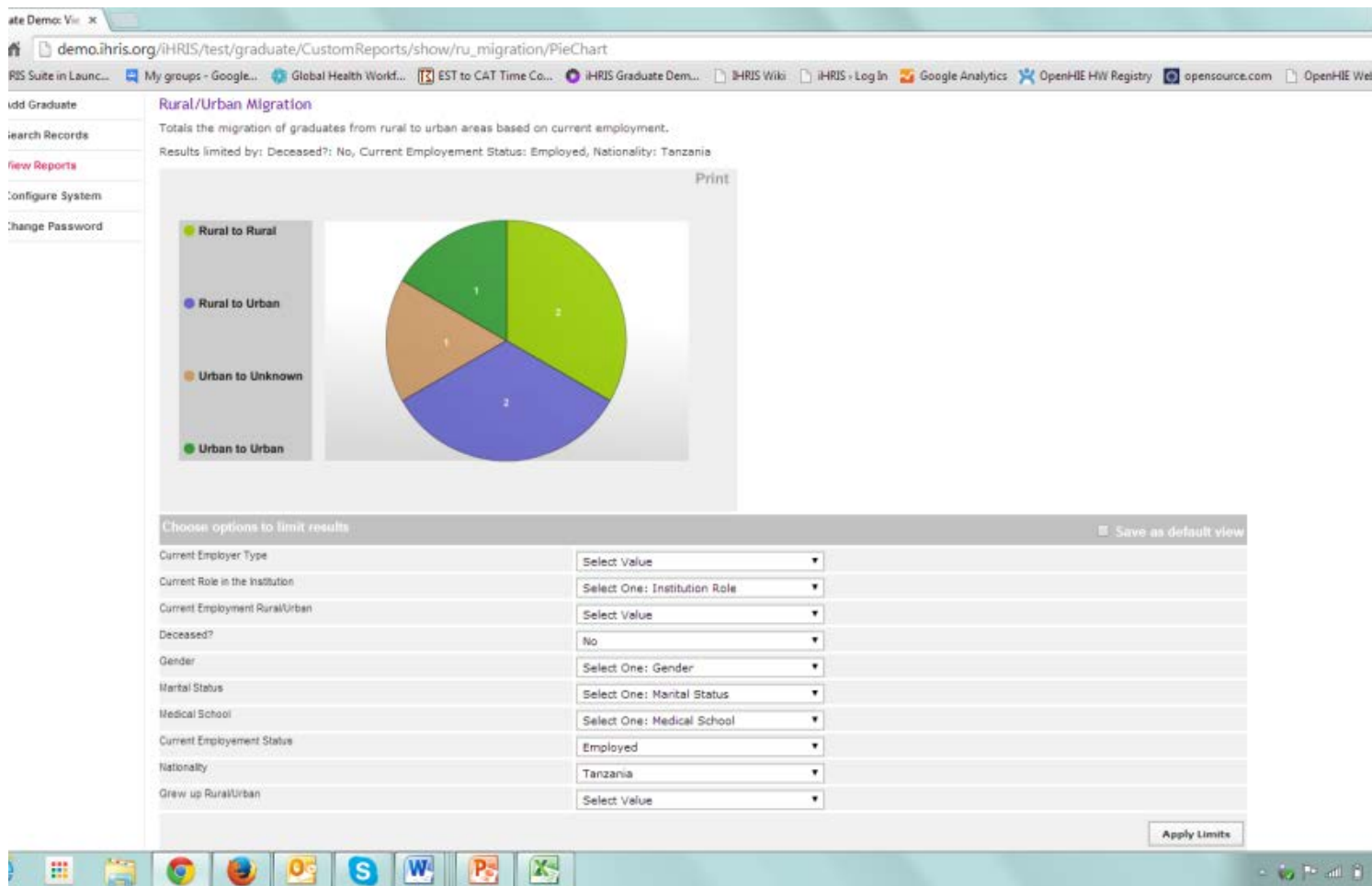
Role	Count
Practicing Physician	21
Academic	20
Research	20
Unknown	20
Administrative	17

Choose options to limit results Save as default view

Current Employer Type	Select Value
Current Role in the Institution	Select One: Institution Role
Current Employment Rural/Urban	Select Value
Deceased?	No
Gender	Select One: Gender
Marital Status	Select One: Marital Status

Taskbar icons: File Explorer, Chrome, Firefox, Outlook, Skype, Word, PowerPoint, OneDrive

# Rural to Urban Migration Trends



# All Graduate Report with Filters

Graduate Tracking Software

Home Feedback Log out as Administrator

Add Graduate Search Records View Reports Configure System Change Password

Graduate List  
List of all graduates.  
Results limited by: Current Employer Type: Private, Deceased?: No

Results found : 30

#	First Name	Surname	Gender	Date of Birth	Nationality	Medical School	Year of Graduation	Current Employment Status	Current Employer Type	Current Employment Rural/Urban	Role in the Institution
1	Isai	Budanzaco	Male	2 July 1981	Tai'afekei	Tai'afekei Medical School	2006	Employed	Private	Rural	Academic
2	Wafetu	Choudat	Male	9 March 1949	Kenya	Tai'afekei Medical School	2008	Employed	Private	Rural	Research
3	Pharua	Choudat	Male	3 May 1958	Tai'afekei	Tai'afekei Medical School	2008	Employed	Private	Rural	Practising Physician
4	Tini	Claxton	Male	24 February 1966	Tai'afekei	Tai'afekei Medical School	2008	Employed	Private	Urban	Research
5	Phosetu	Kilabousaka	Male	20 May 1960	Tai'afekei	Tai'afekei Medical School	2012	Employed	Private	Urban	Practising Physician
6	Seimau	Kooloo	Male	23 November 1957	Tai'afekei	Tai'afekei Medical School	1987	Employed	Private	Rural	Administrative
7	Siaca	Gumudacasa	Male	19 November 1946	Burari	Tai'afekei Medical School	1981	Employed	Private	Urban	Research
8	Seimau	Dindabataali	Male	3 June 1942	Tai'afekei	Tai'afekei Medical School	2003	Employed	Private	Urban	Practising Physician
9	Wafetu	Koodakaga	Female	10 July 1960	Tai'afekei	Tai'afekei Medical School	2004	Employed	Private	Rural	Research
10	Siaca	Shawoo	Male	22 August 1983	Tai'afekei	Tai'afekei Medical School	2011	Employed	Private	Rural	Academic
11	Siaca	Shawoo	Male	20 June 1963	Tai'afekei	Tai'afekei Medical School	2008	Employed	Private	Urban	Administrative
12	Orua	Siaca	Male	18 August 1962	Tai'afekei	Tai'afekei Medical School	2006	Employed	Private	Urban	Practising Physician
13	Isai	Shawoo	Female	18 June 1964	Rwanda	Tai'afekei Medical School	1999	Employed	Private	Urban	Academic
14	Shai	Hikom	Female	5 October 1956	Tai'afekei	Tai'afekei Medical School	2012	Employed	Private	Urban	Administrative
15	Hafuu	Jouraloo	Male	16 December 1976	Tai'afekei	Tai'afekei Medical School	2005	Employed	Private	Rural	Academic
16	Wafetu	Kooloo	Male	2 September 1975	Tai'afekei	Tai'afekei Medical School	1990	Employed	Private	Rural	Practising Physician
17	Siaca	Jouraloo	Female	27 January 1955	Kenya	Tai'afekei Medical School	1978	Employed	Private	Rural	Research
18	Seimau	Shawoo	Female	20 June 1984	Tai'afekei	Tai'afekei Medical School	2010	Employed	Private	Rural	Research
19	Tini	Shawoo	Female	23 November 1960	Tai'afekei	Tai'afekei Medical School	2006	Employed	Private	Rural	Research
20	Shawoo	Shawoo	Female	29 June 1983	Tai'afekei	Tai'afekei Medical School	1989	Employed	Private	Rural	Academic
21	Pharua	Kooloo	Male	11 April 1969	Tai'afekei	Tai'afekei Medical School	2012	Employed	Private	Rural	Academic
22	Fru	Shawoo	Male	6 May 1944	Tai'afekei	Tai'afekei Medical School	1978	Employed	Private	Urban	Research
23	Tini	Shawoo	Male	13 January 1942	Tai'afekei	Tai'afekei Medical School	1967	Employed	Private	Rural	Administrative
24	Tini	Shawoo	Male	10 October 1976	Tai'afekei	Tai'afekei Medical School	2013	Employed	Private	Rural	Research
25	Isai	Shawoo	Female	19 March 1973	Tai'afekei	Tai'afekei Medical School	2008	Employed	Private	Rural	Academic
26	Saike	Sooiba	Male	6 August 1946	Tai'afekei	Tai'afekei Medical School	1999	Employed	Private	Urban	Academic

Sorting by: Surname (Increasing), First Name (Increasing)

Choose options to limit results

Save as default view

Current Employer Type: Private

Current Role in the Institution: Select One: Institution Role

Current Employment Rural/Urban: Select Value

Deceased?: No

Gender: Select One: Gender

Marital Status: Select One: Marital Status

Medical School: Select One: Medical School

Current Employment Status: Select Value

Nationality: Select One: Country

Grow up Rural/Urban: Select Value

Apply Limits

# Surveying Graduates

- Surveying Graduates is a key business process for graduate tracking
- MEPI Connect can upload graduate survey responses
- TWG for Graduate Tracking has developed a general survey using survey monkey

A screenshot of a SurveyMonkey survey form titled "Company Meeting Survey". The form includes a title, a brief instruction, and several input fields: "Your Name" (text box), "Topics Covered" (dropdown menu), "Location" (dropdown menu), and "Length" (dropdown menu). Below these is a "Comments" section with a text box and a "Submit" button. At the bottom, there is a "Get This Form for Yourself" section with a link and a "Printed by" footer.

# Optional Features

- “Self-service” - Graduate can log into system over the web and edit certain variables.
- Custom user interface design- Same look and feel as the schools website.
- Role based access- limit visibility and functionality by user role.
- Interoperable with Professional Council and MOH HR information systems.



## *The CapacityPlus Partnership*

*IntraHealth International, Inc. (lead partner)*

*Abt Associates*

*IMA World Health*

*Liverpool Associates In Tropical Health (LATH)*

*Training Resources Group, Inc. (TRG)*



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