Transforming Healthcare Through Information and Communications Technology Integration.

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Mentors:

Host
Ms. Carol Kyoziira
MoH-RC

Academic
Dr. Fredrick Makumbi
MakSPH

Year.1 Dissemination Workshop
Golf Course Hotel, Kampala

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PERSONNAL CAREER GOAL

Develop into a Health Informatician with Research interest in eHealth specifically Telemedicine.
PRESENTATION OUTLINE

- Brief Description about Host Institution.
- Summary of ToR.
- Achievements at Host Institution.
- Fellowship Program Achievements.
- Personnal Achievements.
- Challenges.
- Way forward.
- Acknowledgement.
Brief about HI (MoH-RC)

- Established by the MoH in 1999 and its located at MoH Headquarters.
- Responsible for management of health and health related data/information in the health sector.
- RC with support from Implementing Partners has implemented Health Information Systems to strengthen HMIS reporting.

DHIS2

mTrack
SUMMARY OF ToR

- Automate database for ICT Inventory and Innovations Management
- HMIS Technical support supervision and mentorship
- Revision of the HMIS tools based on revised indicators
- Contribute to HMIS Data Quality Improvement
Achievements at HI

- Designed and implemented an ICT Inventory & Innovations Mgt.

- Specific Achievements:
  - Developed the concept note for the system.
  - Designed, implemented the online system as single user.
  - Trained one user at MoH-RC.
Achivements at HI

- Setting up an e-working environment used in capturing house hold data for ITN.
  - Created a LAN in the room.
  - Set-up the Computers.
- Users are able to access the system via the Internet.
- System was commissioned by the DGHS.

During launch by MoH-DH

Testing the Network
Achievements at HI

- Mentored staff from SURE (Pharmacists) on DHIS2.
- Provided HMIS support supervision to HWs in Nakaseke Hospital, Semuto HC IV, Bidabugya HC III and Bulyake HC II

Outcomes:

- Pharmacists were able to extract data from DHIS2 and use Pivot tables to analyse the data
- HWs (Information Officers) gained skills in basic data analysis and Data use at their respective HFs
Achievements at HI

- **We performed Mid-Term review of HMIS tools**
  - Revised HMIS tool for Malaria and HIV/AIDS

- **We conducted DV and DQA assessment in Nakaseke district on the data submitted to the GF**
  - Revised assessment protocols
  - Consolidated DQA findings
  - We wrote draft report for our team.
I have written 2 Manuscripts entitled:

✓ *Strengthening District-based Health Reporting through the District Health Management Information Software System: The Ugandan Experience.*

*Has been submitted to BMC Biomedical Informatics & Decision Making Journal for peer review & publication.*

✓ *Mobile Track reporting on replenishment of depleted artemisinin-based combination therapy stocks at health facilities in Uganda. A retrospective review. Not yet submitted to the journal*
Achievements at Fellowship Program

I have written 3 abstracts:

- 2 accepted for Oral Presentation at International Conference
- 1 accepted for poster presentation at the Ministry of Health Quality Improvement Conference
achievements at fellowship program

- written 3 media articles:
  
  
  ✓ “Time to marry technology and our healthcare system” Observer: 02nd May, 2013.
  
Achievements at Fellowship Program

- Project Proposal for programmatic activity:

  "Piloting scale-up of District Health Management Information Software to Health Centers four (IVs) to improve timeliness in reporting, data sharing and utilization." Has been submitted to MakSPH IRB for ethical review and approval.
Personnal achievements

- I presented a paper: “ICT in health (eHealth) for health professionals” at 2 students’ seminars in Islamabad and Karachi organised by COMSATS Institute of IT in collaboration with WHO.

- Membership on international eHealth bodies, forums for knowledge sharing:
  - International Society for Telemedicine & eHealth (ISfTeH)
  - Health Informatics in Africa
  - eHealth/mHealth innovations’ hub at outbox
  - Health Information for All (HIFA)

- Writen PHD Concept paper and submitted to 2 Universities.
Challenges encountered

- Dynamic workplan at HI
  - Try to be dynamic but not forgetting myToR

- Busy Mentors
  - Time management

- Fellowship deliverables Vs Personal challenges
  - Endeavouring to work hard
  - Multi-tasking
Way Forward.

- Work with technical team in customizing DHIS2 to accommodate the revised HMIS tools.
- Training District Health workers on the revised HMIS tools.
- Train more users at MoH-RC on the ICT-IIS.
- Implement my programmatic activity.
- Submit another manuscript to the journal.
Acknowledgement

- God Almighty for His Grace
- MakSPH-CDC Fellowship Program
- Host & Academic Mentors
- Fellow – Fellows
- Collegues at MoH-RC
- My family.
Thank You

Q & A