



HELINA 2017

23-26 April 2017

Hôtel Panoramique – Bujumbura, Burundi

Integrated Health Information Management Resources for Global HealthCare Strategies

Conference program



Sunday 23 April 2017 - Pre-conference workshops

<p>Workshop: Data Mining and Big Data Analytics (Georges Nguefack-Tsague) 09:00-12:30 <i>Introduction in data mining and big data analytics methods and techniques</i></p>	<p>Workshop: Point of Care Health Information Systems (Frank Verbeke) 09:00-12:30 <i>Clinical decision support in point of care health information systems</i></p>	<p>Réunion groupe d'utilisateurs OpenClinic (Donald Ndizeye) 09:00-17:00 <i>Formations pratiques</i> - Rapportage avec Jasper Reports - Configuration PACS & DICOM - Scannage et archivage de documents - Codification clinique efficace avec CIM-10 et CISP-2</p>
<p>Hands-on training: putting data warehousing and data mining into practice (Georges Nguefack-Tsague & Frank Verbeke) 14:00-17:00 <i>Secondary use of point of care data for data warehousing</i> <i>Application of data mining methods on real world african health data sets</i></p>		

17:30 BHIA General Assembly

Monday 24 April 2017

08:00 Registration and coffee

08:30 Opening: HELINA, BHIA, SPC

09:00 Opening speech Ministry of Health of Burundi

09:30 Keynote: Mobile ICT-tools for nurses in rural clinics (Graham Wright)

10:30 Break

National and Regional e-Health Strategies and Policies (chair: Stefaan Van Bastelaere)

11:00 *Data Dissemination and Use Strategy Development: Design of an Assessment Methodology to Inform the Strategy (Niamh Darcy)*

11:20 *Implementing Burundi's national e-health enterprise architecture: past, present and future (Frank Verbeke)*

11:40 *Policies and Procedures on Governance of Data Use to Support Health Information Exchange in Low- and Middle-Income Countries (Lauren Wu et al)*

12:00 *Analysis of Data Dissemination and Use Practices in the Health Sector in Tanzania: Results of desk review and interviews with key stakeholders (Niamh Darcy)*

12:20 *Empowering data dissemination and use in Tanzania through a stakeholder-centric approach to a District Health Profile (DHP) standardization process (Rita Sembajwe)*

12:45 Lunch

Data mining and Big Data Analytics (chair: Georges Nguefack-Tsague)

14:00 *Design of a Data Analytics Model for National Health Insurance Scheme (Terungwa Simon Yange et al)*

14:20 *A Dynamic Capability Perspective to Understanding the Typology of Big Data Capabilities. Evidence from a Ghanaian Health Insurance Firm (John Serbe Marfo)*

14:40 *Facteurs associés à l'utilisation du traitement préventif intermittent par la femme enceinte en Guinée: Une analyse des données de l'enquête EDS 2012 (Alioune CAMARA et al)*

15:00 *Epidemiologic aspects of plasmodium falciparum in Cote d'Ivoire and Mali: an analysis of demographic and health surveys (Alfred Douba et al)*

15:30 break

16:00 *Factors associated to use of intermittent preventive treatment (IPT) among pregnant women in Benin in 2011-2012 (Rémy HOUNGUEVOU et al)*

16:20 *Factors affecting uptake of intermittent preventive treatment of Malaria among pregnant women in Cameroon (Georges Nguefack-Tsague et al)*

16:40 *A Schematic View of the Application of Big Data Analytics in Healthcare Crime Investigation (Simon Terungwa Yange, Hettie Abimbola Soriyan)*

17:00 *Effect of type of place of residence on Insecticide-treated bed nets use: an examination of 2011-2012 DHS data, Cote d'Ivoire (Christian Bangaman Akani et al)*

17:30 HELINA General Assembly

Tuesday 25 April 2017

08:00 Registration and coffee		
08:30 Sedick Isaacs award 2017		
08:40 Keynote: Sedick Isaacs award winner		
Systems Interoperability (chair: Marc Nyssen)		
09:30 <i>Merging medical device and clinician generated information for monitoring the burden of diabetes and hypertension in public reference health facilities in Burundi, Rwanda and RDC (Frank Verbeke)</i>		
09:50 <i>Extracting clinically relevant information from pulse oximetry traces (Jose Luis Hernandez Caceres et al)</i>		
10:15 break		
10:50 <i>Migration du GESIS vers le DHIS2, l'expérience du Burundi (Spès Caritas Nadyishimiye et al)</i>		
11:10 <i>L'interopérabilité : incontournable pour un accès aux données rapide, facile et à moindre coût (Melissa Sabatier)</i>		
Medical devices and telemedicine (chair: Etienne Mugisho)		
11:30 <i>Interfacing HIS, LIS and laboratory analyzers in Rwanda (Diego Valerio Chialva et al)</i>		
11:50 <i>La numérisation en imagerie médicale: état des lieux au Sénégal (Abdoul Ba et al)</i>		
12:10 <i>WaidX: a novel telematic platform in Medicine (Matteo Botteghi)</i>		
12:30 Lunch		
Sustainable health information systems for Africa (chair: Farah Beniacoub)		
14:00 <i>Computerization of Public Hospitals in Burundi: Processes and Results (Etienne Mugisho et al)</i>		
14:20 <i>Electronic health information systems for primary care in South Africa: a review of current operational systems (Graham Wright et al)</i>		
14:40 <i>Measuring comprehensiveness of health data registration in Burundian public hospitals (Etienne Mugisho et al)</i>		
15:00 <i>Faisabilité et perspectives d'introduction d'une GMAO au Ministère de la Santé du Bénin (Marc Myszkowski et al)</i>		
15:20 <i>Implémentation d'un logiciel de maintenance assistée par ordinateur au Ministère de la Santé Publique et de la Lutte contre le SIDA du Burundi (Nkundabahizi Guy-Claude et al)</i>		
15:45 Break		
Capacity building and health informatics education (chair: Helen Wright)		
16:20 <i>Tools for effective Capacity Building for Health and other Priority Sectors in Rwanda (Ellen Schryvers)</i>		
16:40 <i>Factors influencing College of Health Sciences students' perceptions of EMR Use (Frances Baaba da-Costa Vroom et al)</i>		
17:00 WG Health Informatics Education	WG Interoperability	WG Data Mining and Big Data analytics
19:00 Social event @ Club du Lac Tanganyka		

Wednesday 26 April 2017

08:00 Registration and coffee		
08:30 WG Nursing Informatics (chair: Graham Wright) <i>Panel discussion: opportunities and perspectives of nursing informatics in Africa</i>		
10:00 Break		
Universal health coverage (chair: Evelyne Ndabaniwe)		
10:30 <i>Using Open Source Health Management Information Systems in the context of Universal Health Coverage Monitoring in Malian health facilities (Gustave Karara et al)</i>		
10:50 <i>Vers une nomenclature nationale pour les services de soins de santé au Sénégal? (Abdoul Ba et al)</i>		
11:10 <i>Analysing inhibitors of integrating and routinizing Health Information Systems for Universal Health Coverage: the case of Cameroon (Flora Nah Asah)</i>		
11:30 <i>ICT-enabled Universal Health Coverage Monitoring and Evaluation in sub-Saharan Health Facilities: Study in 8 Reference Hospitals of Rwanda, Burundi, the Democratic Republic of Congo (DRC) and Mali (Gustave Karara et al)</i>		
12:00 Best African Student Paper award & Best Paper award		
12:15 Closing ceremony		