



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		
Workshop: Data Mining and Big Data Analytics (Georges Nguefack-Tsague)	Workshop: Point of Care Health Information Systems (Frank Verbeke)	Réunion groupe d'utilisateurs OpenClinic (Donald Ndizeye)
09:00-12:30 <i>Introduction in data mining and big data analytics methods and techniques</i>	09:00-12:30 <i>Clinical decision support in point of care health information systems</i>	09:00-17:00 <i>Formations pratiques</i> - <i>Rapportage avec Jasper Reports</i> - <i>Configuration PACS & DICOM</i> - <i>Scannage et archivage de documents</i> - <i>Codification clinique efficace avec CIM-10 et CISP-2</i>
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>		
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 <i>Data Dissemination and Use Strategy Development: Design of an Assessment Methodology to Inform the Strategy (Niamh Darcy)</i>	
11:20 <i>Implementing Burundi's national e-health enterprise architecture: past, present and future (Frank Verbeke)</i>	
11:40 <i>Policies and Procedures on Governance of Data Use to Support Health Information Exchange in Low- and Middle-Income Countries (Lauren Wu et al)</i>	
12:00 <i>Analysis of Data Dissemination and Use Practices in the Health Sector in Tanzania: Results of desk review and interviews with key stakeholders (Niamh Darcy)</i>	
12:20 <i>Empowering data dissemination and use in Tanzania through a stakeholder-centric approach to a District Health Profile (DHP) standardization process (Rita Sembajwe)</i>	
12:45 Lunch	
Data mining and Big Data Analytics (chair: Georges Nguefack-Tsague)	
14:00 <i>Design of a Data Analytics Model for National Health Insurance Scheme (Terungwa Simon Yange et al)</i>	
14:20 <i>A Dynamic Capability Perspective to Understanding the Typology of Big Data Capabilities. Evidence from a Ghanaian Health Insurance Firm (John Serbe Marfo)</i>	
14:40 <i>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)</i>	
15:00 <i>Epidemiologic aspects of plasmodium falciparum in Cote d'Ivoire and Mali: an analysis of demographic and health surveys (Alfred Douba et al)</i>	
15:30 break	
16:00 <i>Factors associated to use of intermittent preventive treatment (IPT) among pregnant women in Benin in 2011-2012 (Rémy HOUNGUEVOU et al)</i>	
16:20 <i>Factors affecting uptake of intermittent preventive treatment of Malaria among pregnant women in Cameroon (Georges Nguefack-Tsague et al)</i>	
16:40 <i>A Schematic View of the Application of Big Data Analytics in Healthcare Crime Investigation (Simon Terungwa Yange, Hettie Abimbola Soriyan)</i>	
17:00 <i>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)</i>	
17:30 HELINA General Assembly	BHIA-RHIA joint meeting

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: Ghislain Kouematchoua)		
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		
Capacity building and health informatics education (chair: Helen Wright)	Sustainable health information systems for Africa (chair: Farah Beniacoub)	
14:00 <i>Tools for effective Capacity Building for Health and other Priority Sectors in Rwanda (Ellen Schryvers)</i>	<i>Computerization of Public Hospitals in Burundi: Processes and Results (Asmini Hassan et al)</i>	
14:20 <i>Factors influencing College of Health Sciences students' perceptions of EMR Use (Frances Baaba da-Costa Vroom et al)</i>	<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>Assessment of health informatics competencies in undergraduate training of healthcare professionals in Rwanda (Nishimwe Aurore et al)</i>	<i>Measuring comprehensiveness of health data registration in Burundian public hospitals (Etienne Mugisho et al)</i>	
15:00	<i>Informatisation du laboratoire de l'Hôpital Prince Régent Charles (Fidèle Ndayihimbaze)</i>	
15:30 Break		
Sustainable health information systems for Africa (part 2) (chair: Farah Beniacoub)		
16:00 <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>		
16:20 <i>Etude de l'impact financier de l'informatisation sur l'hôpital Prince Régent Charles (Fidèle Ndayihimbaze)</i>		
16:40 <i>Faisabilité et perspectives d'introduction d'une GMAO au Ministère de la Santé du Bénin (Marc Myszkowski et al)</i>		
17:00 WG Data Mining and Big Data analytics	WG Interoperability	WG Health Informatics Education
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		