

Name: OTIENO, George Ochieng

Position: Lecturer and chair

Department: Department of Health Management and Informatics

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Membership in Professional Societies

- *The Association of Kenya Medical Laboratory Scientific Officers (AKMLSO)*
- *Registered by the Kenya Medical Technologists and Technicians Board*
- *Association for Computing Machinery (ACM)*

Education

Dates Attended	Name and Location of Institution	Degree and Year	Major
April, 2005- March, 2008	International University of Health and Welfare, Japan	Ph.D. 2008	Health Service Management (Health Informatics)
April, 2003- March, 2005	International University of Health and Welfare, Japan	MSc. 2005	Health Service Management (Health Informatics)
September, 2000-August, 2001	Kenya Medical Training College, Nairobi, Kenya	Higher Diploma, 2001	Medical Education
September, 1995-August, 1996	Kenya Medical Training College, Nairobi, Kenya	Higher National Diploma, 1996	Medical Laboratory Sciences (Histology/Cytology)
July, 1988-June, 1991	Kenya Medical Training College, Nairobi, Kenya	Diploma, 1991	Medical Laboratory Sciences

Research focus

- Evaluation of Health Services
- Patient Safety initiatives in hospitals in developing countries
- Use of ICT to improve healthcare delivery
- Modelling health care data use and decision making
- Monitoring and evaluation of healthcare interventions

Recent Projects and consultancies

Marie Stopes International (Sept. 2011 to July 2012) Lead consultant in the Clinical trial of effectiveness of Vocal Local versus pharmacological pain management in tubal ligation procedures

AMREF Kenya (July –August 2011) lead consultant – Finalization of the outreach curriculum for clinical and laboratory diagnosis of Malaria –the **outreach program**

CNHR (2010 –ongoing) Co- principle investigator – Health Systems Strengthening through community health strategy

SNV Netherlands (October 2012 –to –June 2013), Principals Investigator –Rural Kenya Market Research on Sustainable Sanitation Products and Solutions for Low Income Households

ABT Associates (January 2013 –to –June 2013) Review of Health Information System Policy and Strategic Plan for the Ministry of Health, Kenya

UNICEF KCO (October, 2013 –to- March 2014) Lead consultant (PI); Institutionalization of Evidence-Based Planning through bottleneck analysis for the eMTCT in six Counties

UNICEF KCO (February 2014 –to- June 2015) Co-Consultant (Co-PI); Qualitative study on barriers and supportive factors in the uptake of MNCH services in Homa Bay and Turkana counties, Kenya

World Vision, Kenya (March 2014 to June, 2014) Lead Consultant; Mobilizing for improved Maternal and Neonatal Health through Birth Spacing and Advocacy (MOMENT) Project Baseline Survey

Fred Hollows Foundation (November to December, 2014), Consultant; Eye Health Teaching and Learning Project –Curriculum Review and Development

Independent Medico-Legal Unit (IMLU) (March to May, 2015), Consultant; Development of a forensic medical manual

REFEREED CONFERENCE PRESENTATIONS

1. **Otieno G.O.**, Toyama H., Asonuma M., Koide D., Naitou K. 2007, A composite index for evaluating electronic medical records systems: work in progress. In the proceedings of the MedInfo 2007 conference, Brisbane, Australia, P200.
2. **Otieno G.O.**, Toyama H., Asonuma M., Koide D., Naitou K. 2006, A composite index for evaluating electronic medical records systems: work in progress. In the proceedings of the 26th Joint conference on medical informatics, Japan. *Japan Journal of Medical Informatics*, **26** (Suppl.), 266-267.
3. **Otieno G.O.**, 2001, MCQs in Ordinary Diploma Final Examinations for Medical Laboratory Sciences students at KMTC; How good are they? at the Conference of the Association of Kenya Medical Laboratory Scientific Officers held in Kakamega-Bishop Nicholus Stam.
4. **Otieno G.O.**, 2001, *Reliability and validity of final Diploma examinations in Medical Laboratory Sciences-KMTC* at the Conference of the Association of Kenya Medical Laboratory Scientific Officers held in Kakamega-Bishop Nicholus Stam.

5. **Otieno G.O** and Kangero V. M. 2000, *Review of Ordinary Diploma Curriculum in the Faculty of Medical Laboratory Sciences, KMTC* at the conference of Association of Kenya Medical Laboratory Scientific Officers held in Nyeri -Green Hills Hotel.
6. **Otieno G.O** and Kariuki P.K. 2008, Are we ready for the Laboratory Information Management Systems (LIMS)? at the conference of Association of Kenya Medical Laboratory Scientific Officers held in Kisii –Gusii Institute of Technology.

PUBLICATIONS

Refereed Journal Articles

1. Mutuma Agnes Muthoni, **Otieno George Ochieng**, Kei Robert Mburugu, Ndege Samson, Ndwiga Taratisio, Gacheri Rose. Socio- Demographic Characteristics Influencing Uptake of Screening for Cervical Cancer in Women Aged 18-49 Years in Imenti North Sub-county, Meru County, Kenya. *Science Journal of Public Health*. Vol. 4, No. 2, 2016, pp. 94-99. doi: 10.11648/j.sjph.20160402.13
2. Mulingwa W. Margaret, Cheboi K. Solomon, Oyore P. John, **Otieno G. Ochien'g**, (2016), Performance of community health workers in Njiru District, Nairobi County, Kenya, *International Journal of Medical and Health Research*, Volume 2; Issue 2; Page No. 04-20
3. Adeline E. Munuo, Beatrice W. Mugendi, Onesmo A. Kisanga, **George O. Otieno** (2016), Nutrition knowledge, attitudes and practices among healthcare workers in management of chronic kidney diseases in selected hospitals in Dar es Salaam, Tanzania; a cross-sectional study, *BMC Nutrition* 2:6, DOI 10.1186/s40795-016-0045-y
4. Wairiuko W. Judy, Cheboi K. Solomon, Ochieng George, Oyore John P, 2015, Understanding the Context of Healthcare Access among the Elderly in Informal Settlement Kibera, Nairobi, Kenya, *International Journal of Health Sciences & Research*, Vol.5; Issue: 11
5. Wamae P.M, Githeko A.K., **Otieno G.O.**, Kabiru E.W., Duombia S.O., 2015, Early biting of the *Anopheles gambiae* s.s. and its challenges to vector control using insecticide treated nets in western Kenya highlands, *Acta Tropica* 150: 136–142
6. Norbert Wekesa, Gabriel Kishoyian, **George Otieno**, 2015, Prevalence of *Trichomonas* Infection among clients attending Meru County level five hospital, Kenya, *International Journal of Microbiology and Bioinformatics- Vol.5, Issue, 5, pp. 6-9, May*
7. Sarah C Keogh, Kenzo Fry, Edwin Mbugua, Mark Ayallo, Heidi Quinn, **George Otieno** and Thoai D Ngo. 2014, Vocal local versus pharmacological treatments for pain management in tubal ligation procedures in rural Kenya: a non-inferiority trial, *BMC Women's Health*, **14**:21
8. **Otieno G O**, Hinako T, Motohiro A, Daisuke K, Keiko N. 2008, Measuring Effectiveness of Electronic Medical Records systems: towards building a Composite Index for benchmarking hospitals. *International Journal of Medical Informatics*, **77**(10): 657-669.
9. **Otieno G O**, Hinako T, Kanai P, Motohiro A, Keiko N. 2007, Nurses' views on the use, quality and user satisfaction with electronic medical records: questionnaire development. *Journal of Advanced Nursing*; **60**(2): 209-219.

10. **Otieno G O**, Hinako T, Daisuke K, Motohiro A, Keiko N. 2007, Sophistication of information technology in healthcare: A comparison among a sample of hospitals in Japan. *Electronic journal of health informatics*; **2**(2): e12.
11. **Otieno G O**, Hinako T, Daisuke K, Motohiro A, Keiko N. 2006, EMR Effectiveness: Development and statistical validation of a survey instrument to measure use of, quality of and user satisfaction with EMR from the viewpoint of Physicians. *Japan Journal of Medical Informatics*; **26**(5): 323-332.
12. **Otieno G O**, Hosoi R. 2005, Factors influencing diffusion of electronic medical records: a case study in three healthcare institutions in Japan. *Health Information Management Journal*; **34**(4): 120-129.

NON-REFEREED, TECHNICAL NOTE

13. **Otieno G O**, Hosoi R. 2006, Computerization in Healthcare: A survey of 2 healthcare institutions in Kenya and 3 healthcare institutions in Japan. *Japan Journal of Medical Informatics*; **25**(3): 181-189.

Supervision of postgraduate students

Musyoki Milcah Ndinda (2010): Factors determining access to healthcare services by the elderly in Makindu Division, Makueni District for the award of MSc. in Community Health and Development degree, Great Lakes University of Kisumu [Completed]
Mary Achieng Nyambok (2011): Determinants of condom use among male secondary school students in Nyando District, for the award of MSc. Community Health and Development degree, Great Lakes University of Kisumu [Completed].
Mark Mudenyio Owang (2010): Factors influencing the utilization of insecticide treated nets and prevalence of malaria among children under five years, case of Kiambu District, for the award of Doctor of public health (PhD), National Institute of Public Health -Japan [Ongoing]
Olive N. Manyeti (2010): Clients' satisfaction with HIV/AIDS services offered at the comprehensive care centre in Machakos District Hospital, for the award of MPH degree, Kenyatta University [Ongoing]
Florence Muthoni Njiruh (2011): Factors influencing implementation of School health policy Rural areas: A case study of Manyatta Zone –Embu County, for the award of MPH degree, Kenyatta University [Ongoing]
William Akobi (2011): Determinants of infant mortality in Kisumu North District, for the award of MPH (M and E option) degree, Kenyatta University [Ongoing]
Brendah Nakhumicha Obura , (2011): Assessing Kenya Public Health Sector's Human Resource Capacity to Achieve the Millennium Development Goal and Vision 2030, for the award of Master of Health Service Management degree, Kenyatta University [Ongoing]
Everlyne Nyamari (2011): Factors contributing to high prevalence of leprosy in Lunga Lunga Division and Tumbe Village of lepers in Msambweni District., for the award of MPH degree, Kenyatta University [Ongoing]
Mucheneh Olive Mirai , (2011): Determining the level of readiness for computerization among staff working in Kenyatta National Hospital (KNH), for the award of Master Science in Health Information Management degree, Kenyatta University [Ongoing]

Rebah Nanjala Wekesa (2012): Utilization of the Health Information Management Systems by the Community Health Workers in the AMREF Facility, Kibera Nairobi Kenya, A Case Study of Kitui North District, for the award of MPH (M and E Option) degree, Kenyatta University [Ongoing]
Eddah Kanini Karijo (2011): Assessment of Utilization of Routine Data for Decision Making in Health Management Information System in Health Facilities in Kenya: A Case Study of Kitui North District, for the award of MPH (M and E Option) degree, Kenyatta University [Ongoing]
Esther Mumbi Hiuhu (2011): Neonatal Omphalitis: prevalence and risk factors related to cord handling/cord care practices among neonatal admitted at Thika District Hospital Kenya, for the award of MPH degree, Kenyatta University [Ongoing]
Judy Wanjiru Wairiuko (2011): Accessibility to Health Care: A case of the Elderly in an Urban Informal Settlement, for the award of Master of Health Service Management degree, Kenyatta University [Ongoing]
<i>Rucha</i>
Consolate Awuor Okoth , (2011): An Evaluation of Traditional Birth Attendants Service on Maternal and Child Health: A case Student of Mbita, Kenya, for the award of MPH (M and E Option) degree, Kenyatta University [MPH- Completed]
Margaret Mulingwa (2011): Assessment of the Influence of Leadership Styles on the Effectiveness of the District Health management Teams (DHMTs) in Nairobi Province, Kenya, for the award of MPH degree, Kenyatta University [MPH- completed]
Mercy Muchina (2011): Health Service Delivery: Quality of Care Assessment of Private, Faith Based and Public Hospitals in Delivery of Services in Maternity Units, Nyeri County, for the award of Master of Science in Reproductive Health degree, Kenyatta University [Ongoing]
Stephen Babu Mwinga , (2011): Examining the Quality of Care of Children Admitted in a Kenyan District Hospital, for the award of Master of Health Service Management degree, Kenyatta University [Ongoing]
Josephine Njeri Ihuthia , (2011): Assessing Adequacy and Accessibility of Health Services Among Internal Displaced Persons, for the award of MPH degree, Kenyatta University [Ongoing]
Nzyoka Rose Kaluki (2011), An assessment of the capacity of health workers in Kenya in the use of electronic medical records systems, for the award of MPH degree, Kenyatta University [Ongoing]
Gladys Atieno Nyasuna (2011), Factors influencing uptake of Health insurance among sex workers. A case study of sex workers in Kasarani, Nairobi. for the award of Master of Health Service Management degree, Kenyatta University [Ongoing]
Fred Wangila Nyang'ori (2012), Level of job satisfaction and intention to leave among Kenyan nurses: A case study of Kenyatta National Hospital, for the award of Master of Health Service Management degree, Kenyatta University [Ongoing]
Imesidayo Omua Eboreime-Oikeh (2011): Determinants of Health Inequalities among Adults in Korogocho Informal Settlement, Nairobi, Kenya, for the award of PhD in Public Health, Kenyatta University [PhD-Completed]
Judy Wairimu Mugo (2015) Nutritional status and functionality of institutionalized and non-institutionalized elderly people in Nairobi county in Kenya, for the award of PhD [Completed]
Francis Oguya (2014): HIV prevalence and risk behaviour among people who inject drugs in Nairobi, Kenya for the award of PhD [PhD -Completed]

Rucha Kenneth Kibaara (2015): Information and Communication Technology Adoption in HIV and AIDS Comprehensive Care Centres in Nairobi County, Kenya, for the award of PhD [PhD-Completed]
Joyce Chepkirui Kirui (2013): Utilization of mobileHealth Technologies to Improve Treatment Compliance among Tuberculosis Patients in Kisumu, Siaya and Homa Bay Counties of Kenya, for the award of PhD [PhD - Awaiting defence of thesis]
Mary Goret Wangui Muiruri (2012) Effects of public health interventions on intestinal parasitic infections among school-going children in Murang'a County, Kenya, for the award of PhD [PhD - Awaiting defence of thesis]
Peter Munyao Kithuka (2012) Predictors of Community health workers retention in Makueni County, Kenya [PhD-Awaiting to defend thesis]
Jackline Mosinya Nyaberi (2014) Implementation of Free Maternal Health Services among Pregnant Women in Public Hospitals in Nyanza Region, Kenya [PhD- awaiting to defend thesis]
Jeremiah Mumo (2014)Data use among sub-county health management teams in Makueni County, Kenya [Msc, HIM –Data collection]
Milton Langat (2014) Health information seeking behaviors among health professional in Public Health Facilities in Garissa County, Kenya [Msc –HIM, Awaiting to defend thesis]
Ritchie Karooko (2014) Assessing community-based health information data quality and collection methodology from Naivasha community units, Nakuru County– Kenya [Msc –HM, Awaiting to defend thesis]
Agunga Chris Duncan (2015)Determinants of utilization of skilled delivery services among women of reproductive age in Suna-West, Migori County, Kenya [MPH, data collection]
Etee Peter Ekarani (2015) Predictors of utilization of skilled birth attendants among women of reproductive age in Turkana Central, Turkana County, Kenya [MPH data collection]
Rosemary Njoki Wairuingi (2013)Water, Sanitation and Hygiene related morbidity among school children in Mathare slums, Nairobi County [MPH -Completed]
Lilian Moraa Mbeki (2014) The effectiveness of community volunteers in improving sanitation practices in Busia County, Kenya [MSc –HM, Awaiting to defend thesis]