

CURRICULUM VITAE

NAME: Dr. Samson K. Ndege,
M.B.Ch.B., MPH
NATIONALITY: Kenyan
PROFESSION: Public Health Specialist and Epidemiologist

PERSONAL CONTACT INFORMATION

Dr. Samson K. Ndege
Dept. of Epidemiology and Nutrition
School of Public Health
Moi University
P.O. Box 4606
Eldoret - Kenya
Cell: 254-722-842927
Email: ndegekip@yahoo.com

KEY QUALIFICATIONS

Currently a senior lecturer in the School of Public Health, Moi University Dr. Samson K. Ndege is a medical practitioner, registered by the Medical Practitioners and Dentist Board (MP&DB), with over twenty (20) years experience in the field of clinical medicine, community health and training of health professionals. He is a recognized Public Health Specialist by the MP&DB. He has a wealth of experience in the management and implementation of HIV and AIDS services at both health facility and community level. He currently provides technical support and manages the Prevention and Home Based Counseling and Testing (HCT) program that is run by AMPATH, a collaborative HIV/AIDS Treatment and Prevention program between Moi University School of Medicine, Moi Teaching and Referral Hospital and Indiana University in the USA. Dr. Ndege worked with Pathfinder International where he was a Service Delivery Coordinator with the Prevention of Mother to Child Transmission of HIV/AIDS (PMTCT) project since November 2002 to December 2005. Previously, he worked for the Centre for African Family Studies (CAFS) as the HIV/AIDS Program Officer. During his tenure at CAFS, he coordinated a Training Needs Assessment on HIV/AIDS in Eastern and Southern Africa and also facilitated reproductive health/HIV/AIDS training. He also assisted CAFS to develop a training curriculum for HIV/AIDS Prevention Interventions for managers and HIV/AIDS program officers.

Dr. Ndege has been teaching at the then Faculty of Health Sciences and now School of Public Health, Moi University for the last fifteen (15) years. During this period, he headed the Department of Epidemiology and Preventive Medicine for three (3) years. As departmental head, he oversaw the training of Medical Doctors, Nurses, Environmental Health Scientists and Public Health specialists. In addition, he coordinated the Community Based Education and Services program (COBES) of the Innovative Medical Training curriculum taught by Moi University. He worked for more than two (2) years in West Pokot District as the District Medical Officer of Health (DMOH) and was in-charge of health care services in the district. His management qualities while in West Pokot was exemplified by the Kapenguria District Hospital being

awarded a certificate of Merit management for being the cleanest district hospital in the country in 1992.

Membership to Professional and Corporate Organizations:

Kenya Medical Association (KMA): Has been the Honorary National Secretary of the association and a former Chairman of KMA-Eldoret Division. His superb organizational abilities have been reflected in the annual scientific conferences of KMA, which he has been co-facilitating since 2002 to date.

Kenya Medical Supplies Agency (KEMSA). Has been a member of Board of Directors, and Chairman of the Audit Committee of the Board.

Medical Practitioners and Dentists Board (MP&DB). A member of the Board and Chairman of the Public Relation and Liaison Committee. As the chair of the committee coordinated and participated in the development of the Boards Strategic Plan.

CURRENT POSITION: Senior Lecturer and Head, Department of Epidemiology and Nutrition, School of Public Health, Moi University and Deputy Chief of Party in charge of Prevention with the AMPATH Program. Initiated and currently manages the successful Home based HIV Counseling and Testing (HCT) program.

He coordinates teaching of both undergraduate and postgraduate programs in Epidemiology and Research Methods.

RELEVANT EDUCATIONAL BACKGROUND

Master of Public Health (International Health), School of Hygiene and Public Health, Johns Hopkins University, Baltimore, Maryland, USA, 1997.

Postgraduate Diploma (Epidemiology and Biostatistics), Institute of Tropical Medicine, Antwerp, Belgium, 1996.

Bachelor of Medicine and Bachelor of Surgery (M.B.Ch. B.), Faculty of Medicine, University of Nairobi, Kenya, 1990.

Additional Coursework

- A Comprehensive Care of the HIV Infected Patient with Special Emphasis on Antiretroviral Therapy, NASCOP and AMPATH Training Centre, Eldoret, Kenya – 19th – 23rd June 2006
- Attended five-day training on Corporate Governance for Directors of State Corporations – November 2005.
- Attended a training in Ndola, Zambia on “Professional Development to Integrate PMTCT of HIV and Infant & Young Child Feeding” – November 2004.
- Training in the Epidemiology of Cardiovascular Diseases, Organized by the International Federation of Cardiology, 2001.

- Infectious Disease Management Course (Emphasis on HIV/AIDS and Malaria), MOH, Kenya 1999.
- Seminars on HIV/AIDS, Baby Friendly Hospital Initiative on Breast Feeding practices, Facility Improvement Fund (cost sharing) in Government Health Services, Kenya 1991 – 1996

RELEVANT WORK EXPERIENCE

Senior Lecturer and Head of Department, Epidemiology and Nutrition, School of Public Health, Moi University February 2012 to date. Teaches the undergraduate and postgraduate students from the College of Health Sciences. Oversees both the academic and administrative activities in the department of Epidemiology and Nutrition.

Chairman, School Graduate and Studies Committee (SGSC), School of Public Health, Moi University September 2013 to date. Coordinates all the academic postgraduate programs in the School of Public Health.

Lecturer, Department of Epidemiology and Nutrition, School of Public, Moi University January 2006 to January 2012. Teaches both undergraduate and postgraduate students in the School of Public Health and the School of Medicine. Include Medical and Nursing students in the School of Medicine and Environmental Health students in the School of Public Health at the undergraduate level. At postgraduate level, teaches Epidemiology, Biostatistics and Research Methods courses to students undergoing their training in Master of Public Health, Master of Science in Immunology and Master of Medicine in Child Health and Internal Medicine. Supervise proposal development and thesis defense by the masters' students.

Deputy Chief of Party, AMPATH Prevention, March 2006 to Date. Developed community HIV/AIDS strategies for AMPATH program as well as provides technical support to its community based HIV/AIDS activities. Currently manages and coordinates the Home-based Counseling and Testing (HCT) project in currently targeting all the individuals in all the AMPATH catchment area. Member of National Technical Working Group (TWG) on Prevention with Positives (PwP).

Service Delivery Coordinator, Prevention of Mother to Child Transmission of HIV/AIDS (PMTCT); Pathfinder International, Nairobi, November 2002 – December 2005. Coordinated and supervised training of health care workers and clinical services on PMTCT at all three program sites (Uasin Gishu and Meru/Embu District and Nairobi Province). Actively participated in the development of the National PMTCT Curriculum for the training of health care workers in Kenya. Led a team of technical staff that was charged with the establishment of model PMTCT Plus sites in Nairobi, North Rift and Meru regions..

Program Officer, Center for African Family Studies (CAFS), Feb. 2002 – Oct. 2002. Coordinated a research project on HIV/AIDS Training Needs Assessment in Eastern and Southern Africa region. Took part in Training in HIV/AIDS and Reproductive Health Courses within the organization. Also coordinated the development of a curriculum for HIV/AIDS prevention course.

Lecturer, Moi University, Faculty of Health Sciences, Department of Epidemiology and Preventive Medicine, 1995 – 2001. Head of the department of Epidemiology and Preventive Medicine. In-charge of field programs for Community Based Education and Service (COBES) for the third year medical, nursing and environmental health students. Supervised proposal development and project implementation by third and fourth year medical, nursing and environmental health students. Coordinated postgraduate research methodology course and supervised research by the graduate students. Member of the Institutional Research and Ethics Committee of the Faculty of Health Sciences, Moi University and the Moi Teaching and Referral Hospital. Chairman of the committee that developed the budget and business plan for the new Moi National Teaching and Referral Hospital. Member of the committee that recommended the professional and academic advancement of Clinical Officers in Kenya.

Medical Officer, Refugee Camp, North Eastern Kenya (Dadaab), April – August 1994. Provided medical treatment and coordinated the activities of other medical staff working in the camp.

Medical Officer of Health, West Pokot District, Kenya, November 1991 – October 1993. Responsible for district health care services (preventive and curative). Provided medical care to patients. Started the Community Pharmacy Program under the Primary Health Care strategy within the district.

Medical Officer 1 at Kabarnet District Hospital, Baringo District, Rift Valley Province, Kenya, October – November 1991. Provided medical care to patients at the hospital.

Medical Officer Intern at Eldoret District Hospital, Uasin Gishu District, Rift Valley Province, Kenya. August 1990 – August 1991. Provided medical care to patients.

PUBLICATIONS AND PRESENTATIONS:

Peer-Reviewed Publications

- 1) Vreeman RC, Nyandiko WM, Braitstein P, Were MC, Ayaya SO, **Ndege SK**, Wiehe SE. Acceptance of HIV Testing for Children Ages 18 Months to 13 Years Identified Through Voluntary, Home-Based HIV Counseling and Testing in Western Kenya. *J Acquir Immune Defic Syndr* . 2010 Oct; 55(2): e3-10.
- 2) Kimaiyo S, Were MC, Shen C, **Ndege S**, Braitstein P, Sidle J, Mamlin J. S. Home-based HIV Counseling and Testing in Western Kenya. *East Afr Med J*. 87 (3):100-108, 2010.
- 3) Were MC, Kariuki J, Chepng'eno V, Wandabwa M, **Ndege S**, Braitstein P, Wachira J, Kimaiyo S, Mamlin B. Leapfrogging paper-based records using handheld technology: experience from Western Kenya. *Stud Health Technol Inform*. 160 (Pt 1):525-9, 2010.
- 4) O'Meara WP, Smith N, Ekal E, Cole D, **Ndege S**. Spatial distribution of bednet coverage under routine distribution through the public health sector in a rural district in Kenya. *PLoS One*. 2011; 6(10):e25949. Epub 2011 Oct 12.

- 5) Wachira J, Kimaiyo S, **Ndege S**, Mamlin J, Braitstein P. What Is the Impact of Home-Based HIV Counseling and Testing on the Clinical Status of Newly Enrolled Adults in a Large HIV Care Program in Western Kenya?
Clin Infect Dis. 2012 Jan; 54(2):275-81. Epub 2011 Dec 8.
- 6) Mangeni J. N, Ballidawa J B, **Ndege S**. Factors associated with willingness to accept a routine offer of HIV testing in a large referral hospital in Western Kenya
East African Journal of Public Health 2012 March Vol. 9, No 1 44-9

Presentations

Ellen Israel, John Odoni, Samson Ndege; PMTCT: Lessons Learned from an Integrated, Comprehensive Model in Kenya: A presentation during the 13th International Conference on AIDS and STIs in Africa (ICASA), Nairobi, September 21st – 26th 2003

Samson K. Ndege, Ellen Israel, Tayla Colton; Bringing PMTCT+ Services from the Facility to the Community: Best Practices from Kenya: A presentation during the 14th International Conference on AIDS and STIs in Africa (ICASA); Abuja, Nigeria, December 4th – 9th 2005.

S. Ndege, R. Kioko, J. Wachira, S. Kimwattan, J. Kibet, J. Rugut, H. Campbell, S. Kimaiyo Increasing Access to HIV Counseling and Testing in Western Kenya: Towards Effective Strategies: A presentation during the XII International AIDS Conference in Mexico.

Conducted a study to evaluate the effect of Community Based Directly Observed Therapy (CB-DOTS) strategy in tuberculosis prevention and control, a project of the Ministry of Health, Kenya.

Ndege S, Kioko R, Rono R, Bii D: Reaching Couples at Home for HCT, the AMPATH Experience; a presentation during a National HTC Symposium, Panari Hotel, Nairobi, 5th – 6th June 2013

Attended a National HIV Prevention Summit with the theme: “HIV Prevention, everyone’s Business, Safari Park Hotel, Nairobi, 16th and 17th September 2013

S. Ndege, S. Washington, A. Kaaria, W. Prudhomme-O’Meara, E. Were, M. Nyambur, A. Keter, J. Wachira, P. Braitstein: Antenatal care attendance and HIV prevalence among pregnant women in a home-based HIV testing program in western Kenya, a presentation during a Treatment as Prevention Summit (TasP) 22nd to 24th 2013, London.

CHAPTERS IN A BOOK

Samson K. Ndege; Barriers to Health Care in Kenya: The Economic Burden of Health in Kenya edited by James Shikwati; December 2003; Published by IREN Kenya.

Samson K. Ndege, Ms Rose Kioko; Developments and Challenges in Continuing Professional Development (CPD) the Southern perspective: International Hospital Federation Reference Book, 2005/2006.

COMPLETED STUDENT MASTERS THESIS

- Utilization of Post Exposure Prophylaxis Among Health Care Personnel with the Potential Exposure to Human Immunodeficiency Virus in Nandi North District, Kenya; **by Carren Cherop, November 2008**
- The role of available and accessible antiretroviral therapy on sexual behavior among MTRH AMPATH HIV patients; **by Erica M. Kigotho, July 2009.**
- HIV Risk perception and sexual behavior among STI patients attending Uasin Gishu District Hospital, Eldoret; **by Ernest Mutua, July 2009**
- Challenges and Coping strategies among persons in a HIV discordant couple relationship presenting for care at AMPATH centre, Eldoret, Kenya; **by Moses Mwangi Gitonga, September 2009**
- Perception and utilization of Diagnostic Testing and Counseling services among patients attending Moi Teaching and Referral Hospital Outpatient Department, Eldoret, Kenya; **by Judith Nekesa Mangeni, September 2009.**
- Sexual practices and the knowledge about HIV/AIDS among outpatients at Tenwek Hospital in Bomet District; **by James Akiruga Amisi, October 2009.**
- Factors contributing to pregnancy among HIV positive women in Serowe-Botswana; **by Bobtle Gloria Motshidisi, September 2009.**
- Attitude and knowledge of the adverse health effects of environmental tobacco smoke among bar workers in Eldoret town, Kenya; **by Emily J. Kiptui, November 2009.**
- Challenges in the prevention of Mother to Child Transmission of HIV amongst working mothers attending Moi Teaching and Referral Hospital; **by Karani Maguta, November 2009.**
- Knowledge and attitude on HIV/AIDS and sexual practices by primary school students in Eldoret Municipality, Uasin Gishu District, Kenya; **by Nagi Sachiyo, April 2010.**
- Response by AMPATH HIV/AIDS healthcare providers in emergency situations in western Kenya: A case of 2007-2008 post election violence; **by James Kariuki, Nov 2011**
- Nutritional status of women aged between 45-55 years living in Milima Sub-location Bungoma North District, Kenya; **by Juliet Wafula, June 2012**

- The prevalence of Anaemia and its associated factors in HIV-infected adults in western Kenya; **by Jane Njeri Gitau; September 2012**
- Medication adherence in HIV positive pregnant women attending AMPATH clinic in Western Kenya **by Phillis Wamboi Mwaura, August 2013**
- The determinants of adherence among Tuberculosis patients on directly observed short-course therapy attending chest clinic at Kitale District Hospital, **by Joram Chelashaw, November 2013**
- Identification and Anti-microbial susceptibility of Methicillin resistant *staphylococcus aureus* (MRSA) at Moi Teaching and Referral Hospital, Eldoret, Kenya **by Akoru Christine Nakurichana, November 2013**
- Motorcycle rider training and licensing in relation to motorcycle accidents in Bungoma County **by Silas Ayunga, December 2013**

RESEARCH SUPPORT

Ndege (PI) 2007-2017 1.2 Calendar
 Global Business Coalition (GBC); Abbott Fund
 Home-based Counseling and Testing (HCT) Project in USAID-AMPATH Partnership
 Catchment Areas

The project identifies all HIV infected individuals within the AMPATH catchment area, facilitates timely treatment and prevention and determines the prevalence and incidence of HIV in the population

This project evaluates economic outcomes related to home-based counseling and testing (HCT) as well as factors related to the uptake of HCT.
 Role: Principal Investigator

HHSN268200900031C Kimaiyo (PI) 2009-2012 0.6 Calendar
 NIH
 ASANTE Cardiovascular Pulmonary Disease Center of Excellence

This project establishes a Center of Excellence for Cardiovascular and Pulmonary Disease at Moi University School of Medicine in Kenya.
 Role: Co-investigator (Epidemiologist)

Completed
TF094626 Ndege (PI) 2009-2012 1.2 Calendar
 World Bank
 KCPII: Effects of Home Based HIV Counseling and Testing: An Impact Evaluation of a Program in Kenya.