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Summary

I am a medical doctor and research scientist with over 10 years experience in clinical practice and research in the field of sexual reproductive adolescent and child health (SRACH). I have worked with the Kenya Ministry of Health and with the Kenya Medical Research Institute (KEMRI). I coordinate the implementation, research and monitoring and evaluation activities of several programs and clinical trials to provide evidence that can be translated into policy in Kenya. I have also led community-based interventions, training over 2720 community health workers to diagnose and treat malaria, diarrhoea and pneumonia (including severe pneumonia) in sick children under 5 years. I have won several awards including the outstanding heart of service (2005) and the Family AIDS Care and Education Services meritorious award (2009). In 2014, I received the Lenana Silver Merit award from KEMRI. This award is given to emerging scientists who are embarking on their career path but show promise in their work and achievements. In 2016, I was nominated and awarded one of the top 120 under 40 global leaders in Family planning. Within KEMRI I am the immediate past secretary of the Sexual Reproductive Adolescent and Child Health Program. I am also KEMRI's representative to the Kenya national RH and HIV integration committee, National Family planning Technical Working Group (TWG) and the national integrated community case management (iCCM) TWG and was a key contributor the national policy on the Minimum package for integration of Reproductive health and HIV services. I work closely with the local Maseno University in Kenya to train up and coming masters in public health students in design and conduct of public health projects. I have also worked closely to provide mentorship to up to 10 medical students from the University of California San Francisco (UCSF) in their global health projects while in Kenya. I am a designated mentor for the UCSF GloCal Health Fellowship, which is a career development fellowship sponsored by the National Institutes of Health (NIH) Fogarty International Center (FIC). My PHD project focuses on priority setting processes for adolescent sexual and reproductive health. I have a strong research and publication record with over 40 papers in peer-reviewed journals. In my free time, I support the Nafisika trust, which works to reduce recidivism in Kenyan prisons and the Amazing Girls Mentorship Network.

Areas of expertise and competence

- Public Health/ Epidemiology
- HIV/AIDs & Sexual Reproductive Health
- Theories in Health Policy
- Clinical Research Design, Conduct, Analysis & Dissemination
- Grants Writing and Management
- Stakeholder & Partnership Relations
- Resource Mobilization
- Community case management
- Monitoring and Evaluation
- Capacity Building
- Negotiation & Influencing Skills
- Proposal and Report Writing
- Program Management
- Responsible conduct for Research

Education

Qualification	Provider	Year
Global Health Sciences PHD (C)	University of California San Francisco, CA,	2019
Fellowship in Global Health	University of California San Francisco, CA, NIH Fogarty	2013
Master of Science in Clinical Research	University of Liverpool	2012
Certificate in Research Methods	University of California San Francisco, CA	2009



Bachelor of Medicine & Surgery (M.B.Ch.B)	University of Nairobi - School of Medicine	2005
Kenya Certificate of Secondary Education	Alliance Girls High School	1998

Experience

2006	Clinician, Tenwek Hospital, Bomet, Kenya
2007-2008	Assistant Study Coordinator/Medical Officer, KEMRI-UCSF Vivagel Study, Kisumu, Kenya
2007-2008	Medical Officer, Kapsowar Mission Hospital, Rift Valley, Kenya
2007-2008	Clinical Instructor, Kapsowar Mission Hospital, Samaritans Purse, Rift Valley Kenya
2008-2011	Study Coordinator, Maternity in Migori and AIDS Stigma study, Migori, Kenya
2008-2012	Study Coordinator, Study of HIV/AIDS in ANC Integration Programme, Migori, Kenya
2008-2013	Clinical and Study Manager, Family Planning/HIV integration study, Nyanza, Kenya
2009-present	Nyanza Research Coordinator, KEMRI-UCSF, Nyanza, Kenya
2011- 2012	National Survey Coordinator Baseline Family Planning Service Delivery Point Survey (Tupange/MLE) study
2012- Present`	KEMRI research scientist - (Public Health/ Epidemiology for infectious disease and reproductive health)
2013-Present	MPH Student research supervisor, Maseno University
2015	National Survey Coordinator Endline Family Planning Service Delivery Point Survey(Tupange/MLE) study
2017	World Health Organization Temporary advisor on DMPA (intramuscular and subcutaneous) and NET-EN and HIV acquisition
2017-2018	UNICEF consultant on integrated community case management for community case management of pneumonia, pathway to policy
2018-Present	Country director- Single-dose HPV catch-up vaccination efficacy: A blinded, randomized study of single-dose HPV vaccination among adolescent girls and young women in Kenya (KEN SHE study)

Research Experience

- **Principal investigator for the following studies:**
 - A blinded, randomized study of single-dose HPV vaccination among adolescent girls and young women in Kisumu, Kenya (KEN SHE study)
 - The Evidence for Contraceptive options and HIV Outcomes (ECHO) trial: A Multi Center, Open-Label, Randomized Clinical Trial Comparing HIV Incidence and Contraceptive Benefits in Women using Depot Medroxyprogesterone Acetate (DMPA), Levonorgestrel (LNG) Implant, and Copper Intrauterine Devices (IUDs)
 - Effects of hormonal contraceptives on genital immunity and HIV susceptibility (Biological Mechanisms study)
 - Mobile Phone Enhanced integrated community case management of pneumonia, malaria and diarrhoea in children under 5 years in Homa bay County, Kenya.
 - The first investigator in Kenya to demonstrate that CHW can correctly diagnose and treat pneumonia using antibiotics in the community at a wide scale
 - Developed a mobile phone based surveillance system known as Utoto salama which to date has received over 13000 texts to report pneumonia. The system is able to test for treatment accuracy,



concordance with nurses, track commodity supplies and track performance of community health workers for the entire Homabay county

- Trained over 2600 CHWs to diagnose and treat malaria, pneumonia and diarrhoea and provide vitamin A supplementation in the community. Over 30,000 children treated in 7 months and nearly 90000 children provided with dose specific age appropriate vitamin A
- Pidh Moromo: Health Consequences of Food & Nutrition Insecurity for HIV+ Women & Their Infants, Nyanza, Kenya
- Kenya Urban Reproductive Health Initiative Service Delivery Point Survey (Endline)
- Process Evaluation and Toolkit Development in Support of Family Planning Integration into HIV Care & Treatment in Kenya
- A prospective pharmacokinetic evaluation to determine if contraceptive implant hormone concentrations are lower among HIV-positive women using certain types of antiretroviral therapy in western Kenya
- M-access: Maximizing access and utilization of maternal and newborn health services using mobile technology in Homabay County
- Understanding the impact of an income generating agricultural intervention on sexual behavior and psychological well being of adolescent girls and young women living in a high HIV urban setting in Western Kenya
- **Co- investigator for the following studies:**
 - Maximizing adherence and retention for women and infants in the context of Option B plus
- **Nyanza Research Coordinator**

Provide oversight and technical support of several multi-site research studies based in Migori, Nyatike, Rongo, Suba, Mbita and Kisumu East districts:

 - Study of HIV/AIDS and Antenatal care Integration program in Migori and Rongo Districts (Study Coordinator 2009-2012)
 - Maternity in Migori and AIDS Stigma Study, Migori, Kenya (Assistant Study Coordinator/ Study Coordinator 2008-2011)
 - Baseline Family Planning Service Delivery Point Survey Tupange/MLE study (National Survey Coordinator 2011- 2012)
 - Family Planning and HIV integration Study in Migori, Rongo, Kisumu East and Suba districts (Clinical & Research Coordinator 2008 - 2013)
 - Formative Research for the Adaptation of an Intervention for HIV/AIDS Service Providers on Gender- Based Violence in Rural Western Kenya (Research Coordinator)
 - Fertility Desires and Family Planning among HIV-infected Couples in Nyanza Province, Kenya (Research Coordinator)
 - Evaluating the impact of family planning health talks by community clinic health assistants on contraceptive knowledge and attitudes among HIV-infected patients in Nyanza Province, Kenya (Research Coordinator)
- **National Urban Reproductive Health Survey Coordinator (baseline and endline)**

Kenya Urban Reproductive Health Initiative (KURHI) baseline (2011/2012) and endline (2015) service delivery point survey based in three cities of Nairobi, Mombasa and Kisumu and the major towns of Machakos and Kakamega.
- **Small Grant & Research Manager**

Assist the district Ministry of Health Reproductive Health Coordinators to improve the health of their populations by establishing sustainable initiatives to improve access to Family Planning in their districts.

 - Receipt and review of proposals from applicants, give feedback, disburse money,



- Monitoring and evaluation of use of funds and implementation of the initiatives in 5 districts
- Submit reports to funders

● **Implementation science monitoring learning and evaluation specialist**

Provide technical support to the Family AIDS Care and Education Services in the field of sexual, reproductive adolescent and child health implementation science work (translation of research into practice)

- I have spearheaded strategies to increase male involvement in antenatal care and over 2 years – male involvement has risen from 7.4 to 54.2%
- I have trained and supported lay health care workers to collect dry blood samples for PCR for early infant diagnosis thus increasing early infant diagnosis from 54.3% to 74.9%
- I have supported the FACES PMTCT program to lower its MTCT from 35% to 4%
- I have been directly involved with the FACES FP program to increase FP among HIV infected women from 42% to 60%

Teaching Experience

I have experience teaching at the, clinical (bedside), masters, and PhD level as a teaching assistant, guest lecturer and more recently as a training coordinator for the University of California San Francisco

Clinical Instructor

Kapsowar Mission Hospital, Samaritans Purse 2007-2008

Worked to train medical doctors to return to post-war Sudan and equipped them with skills in surgery and obstetrics

Masters in Public Health(MPH) Student research supervisor

Maseno University

2013-2017

In order to address a gap in skill set that I saw in new graduate employees, I successfully negotiated to train Maseno University MPH students in epidemiology, project design, research conduct, analysis and writing. I developed a call for grants in which students could pitch their research idea within my existing projects and I would train them up, paired with their faculty supervisors.

Name	Program or school	Role	Current Position	Project
Linet Angwa	Maseno University School of Public Health and Community Development	Faculty Supervisor/Primary Mentor	Clinical Instructor/Assistant Lecturer – Kabarak University	Determining the most appropriate formulation of oral antibiotics in under 5s in North Rachuonyo sub county (graduated 2018)
Joel Machuki	Maseno University School of Public Health and Community Development	Faculty Supervisor/Primary Mentor	Sub County Coordinator Integrated Community Case Management Study - KEMRI	A comparative study or patient level cost of treating child pneumonia at home versus in the health facility in Suba Sub County (graduating 2019)
Christine Awuor	Maseno University School of Public Health and Community	Faculty Supervisor /Primary Mentor	Nurse - Aga Khan Hospital	Assessment of CHW performance and motivation: A mixed methods approach in Homabay county (graduating 2019)



	Development			
Lilian Apondi	Maseno University School of Public Health and Community Development	Faculty Supervisor/Primary Mentor	Secondary School Teacher – Nyabururu Girls High School	The impact of multiple prescription medicines for malaria, diarrhea and pneumonia on adherence in children in Ndhiwa district (Awaiting graduation in 2019; best poster presentation 2017)
Brian Shaw	University of California San Francisco School of Medicine	Research Supervisor	Medical Student	Access, Acceptability and Utilization of ICCM services for case management of pneumonia and diarrhea in Homabay County (Paper published)
Cyrilus Ogolla	Maseno University	Supervisor	FACES assistant coordinator Suba	Self Reported STI Symptoms Compared to Clinician’s Syndromic Management Among HIV Infected Women Receiving Care In Kisumu, Kenya – on account of this work – the mentee was awarded a 2 week scholarship by emerging voices for global health (7 to 11 December 2013- South Africa)
Eliud Akama	Great Lakes University	Mentor/Supervisor	FACES PMTCT technical Advisor	Impact of a male centred rapid results initiative approach on PMTCT services Best oral presentation, Paper accepted for publication, 2018

UCSF Responsible conduct for Research training coordinator 2017-2018

The UCSF Responsible Conduct of Research Program for Postdoctoral Scholars (RCR-PS) is a thought-provoking, six-session course designed to satisfy NIH and NSF requirements for training in the responsible conduct of research. The RCR-PS program utilizes a combination of faculty presentations and in-person case study discussion during each 1.5-hour session to address contemporary debates at the interface between biomedical science and society. I revised and updated curriculum developed the online platform to host the training program (including registration), identified faculty, moderated class and online discussions as well marked, scored and provided feedback to think piece essays for the scholars. Classes were held in both the Parnassus campus (41 students) and Mission bay Campus (82 students). Topics included:

- Scientific entrepreneurship and the university-industry interface and Conflicts of interest
- Collaborative science: data management, sharing, and ownership
- Responsible authorship, publication, and peer review
- Animal welfare in research
- Science in the genomic era: biomedical research and human subjects

UCSF Grant writing training for graduate and postdoctoral scholars (Teaching assistant) 2018

The UCSF Grant writing series includes 2-3 hour eight workshops targeting graduate students and postdoctoral scholars. The course utilizes a combination of faculty presentations, panel discussions and in-person case study discussion. Classes are held in Mission Bay campus with 40-90 students in each



session. I created curriculum, training topics, prepared the teaching materials, presentations, resource materials, advertised for the course, enrolled students, identified faculty to teach including external faculty outside of UCSF, moderated the panel discussions

- Words of Wisdom from an NIH research training officer
- Navigating the NIH grant application process and the RO1 award
- Writing a clear and compelling specific aims section
- Preparing a K99/R00 Award application
- Getting an NIH pre-doc fellowship (F30/F31) for PHD and Dual Professional degree/PHD students
- Funding for international scholars
- Preparing an NIH Mentored K Award Application
- Getting a Postdoctoral research fellowship – NIH F32 and beyond

Funded Research

Grant No.	1/11/18 -01/10/23
Funder: Bill and Melinda Gates Foundation:	\$3,000,000
<i>Single-dose HPV catch-up vaccination efficacy: A blinded, randomized study of single-dose HPV vaccination among adolescent girls and young women in Kenya (KEN SHE study)</i>	
The primary objective is to compare immediate, single-dose HPV 16/18 and HPV 16/18/31/33/45/52/58/6/11 vaccination (and delayed meningococcal immunization) with delayed HPV vaccination (and immediate meningococcal immunization) among young women age 15-20 years. We will also conduct costing, budget impact, and cost-effectiveness analyses to provide evidence for decision makers	
Role: Co-principal investigator & country director	
1R21HD080477-01 (Weiser, Onono)	1/9/18- 1/8/21
NIH/NICHD/Univ of California San Francisco	\$250,000
<i>Shamba Maisha: Assessing the preliminary effects of a multisectoral agricultural intervention on the sexual and reproductive health of HIV-affected adolescent girls</i>	
The goal of this study is to test the effectiveness of two innovative interventions (Community-based mentor mothers and cell phone text messaging) in improving adherence to medications and HIV care visits among pregnant and postpartum women living with HIV, in the context of Option B+ rollout in Kenya.	
Role: site-principal investigator	
1R21 (Deese, Onono)	8/27/18 - 7/30/20
NIH/FHI360	
<i>Changes in sexual behavior following initiation of effective contraceptives: randomized comparisons using biological and behavioral assessments and implications for post randomized adjustments.</i>	
The proposed study will evaluate the reliability of self-reported sexual behavioral data collected during the ECHO trial, which will be used to inform planned secondary causal analyses of trial.	
Role: site-principal investigator	
CONTRACT #: FY15.712.001	
1R01HD080477-01 (Turan, Abuogi)	05/12/2014-4/30/2019
NIH/NICHD/Univ of Colorado Denver	\$1,832,295



Maximizing Adherence and Retention for Women and Infants in the Context of Option B+ (SCC No. 2803)

The goal of this study is to test the effectiveness of two innovative interventions (Community-based mentor mothers and cell phone text messaging) in improving adherence to medications and HIV care visits among pregnant and postpartum women living with HIV, in the context of Option B+ rollout in Kenya.

Role: co-Investigator

CONTRACT #: 1K01 MH098902-01

K01 MH098902 (Young, Onono)

01/09/2013 -01/08/2017

National Institute of Mental Health

\$150,000

PITH MOROMO: Health Consequences of Food & Nutrition Insecurity for HIV+ Women & Their Infants, Nyanza, Kenya (SCC No. 2601)

The aim of this study is to investigate the role of food insecurity in adverse maternal and infant health outcomes among HIV-infected and uninfected pregnant and lactating women in Nyanza Kenya.

Role: Site Principal Investigator

CONTRACT#: KEMRI/SBA/102110/019/2016

OPP102110

03/03/2014 -03/03/2019

Bill & Melinda Gates:

\$2,677,940

A Multi Center, Open-Label, Randomized Clinical Trial Comparing HIV Incidence and Contraceptive Benefits in Women using Depot Medroxyprogesterone Acetate (DMPA), Levonorgestrel (LNG) Implant, and Copper Intrauterine Devices (IUDs) (SCC No. 3109)

The Evidence for Contraceptive options and HIV Outcomes (ECHO) Trial

Role: Site Co-principal Investigator

1R21MH108444-01A1 (Young, Onono)

01/10/2016- 30/09/2018

National Institute of Health (NIH)

\$366,792

Health consequences of water insecurity for HIV-infected mothers & their infants (SERU/CMR/P0015/3077)

Role: Site Principal Investigator

R01 HD089831 (Heffron)

07/01/2016 -06/30/2021

NIH/NICHD

\$67,719

Effects of hormonal contraceptives on genital immunity and HIV susceptibility

The results from this study will inform contraceptive recommendations for women with HIV risk, including international recommendations by the World Health Organization, the normative body that convenes annual reviews of the emerging data on contraceptives and HIV risk.

Role: Site Principal Investigator

UCSF Research Awards Program

10/2017-12/2018

International Mentored Scientist Award

\$30,000

Role on Project: Principal Investigator

Understanding the impact of an income generating agricultural intervention on sexual behavior and psychological well being of adolescent girls and young women living in a high HIV urban setting in Western Kenya



Grant No. 8736SC 1/9/14 -03/31/16
Funder: Bill and Melinda Gates Foundation: \$176,825
Role: Co-principal investigator
Process Evaluation and Toolkit Development in Support of Family Planning Integration into HIV Care & Treatment in Kenya (SCC No. 1254)
The overall goal of the project is to produce a document based on a process evaluation of the successful scale-up of family planning and HIV service integration conducted through the cluster randomized controlled trial (CRT), and subsequently by FACES and to develop a toolkit for use by clinic in-charges to successfully integrate services.

PCA Ref: KCO/KEMRI/HEALTH/2013UNICEF 01/07/13- 01/04/15
Funder: UNICEF&WHO: \$2,517,039
Role: Principal Investigator
Mobile Phone Enhanced integrated community case management of pneumonia, malaria and diarrhoea in children under 5 years in Homa Bay County, Kenya. (SCC No. 2424)
The study will determine whether trained, supervised and well supplied community health workers in Homa Bay County can correctly perform integrated community case management of pneumonia, malaria and diarrhoea (iCCM) and increase the proportion of children under five years receiving appropriate treatment for pneumonia, malaria and diarrhoea by 20% compared to the current standard of care. We will also test whether mobile phone enhanced iCCM (M-iCCM) to support CHWs can result in 20% increase in accounting of commodities compared to standard iCCM.

Measurement Learning and Evaluation 05/1/14 – 31/1/15
Funder: Bill and Melinda Gates Foundation: \$323,912
Role: Co- principal investigator
Kenya Urban Reproductive Health Initiative Service Delivery Point Survey (End line)
To evaluate the impact of integration of Family Planning into maternal child and newborn health services in urban poor cities in Kenya.

Funder: Women’s Health & Empowerment Center of Expertise 5/2012 – 5/2014
Role: Site Principal investigator \$10,000
Empowering Women in Kenya through Male Involvement in Family Planning: Suggested Strategies and Potential Consequences (SCC No. 2338)
This is an exploratory study of the feasibility of interventions and strategies to engage men in FP, thereby meeting the unmet need for FP and helping couples avoid unwanted births. The ultimate goal of the project is to identify a gender transformative intervention model that is acceptable and suggested by male community members that can be piloted in a future intervention.

Grant #: 1R25TW009343-01 (PI: Cohen & Strathdee) 07/01/11-06/30/13
Funder: NIH/Fogarty International Center \$45000
Funder: Enterprise Grant Award: Government of Canada CAD15000
Role: Principal Investigator/ Global health fellow
The role of HIV/AIDS stigma in PMTCT failure



The aim of is to provide evidence on the role that stigma at the health facility and/or household level plays in PMTCT failure in the context of an apparently functioning and accessible health services in terms of PMTCT coverage, and how this can lead to local solutions in reducing MTCT

UCSF Research Awards Program

8/2009 – 8/2011

Fogarty International Scientist Training Program in HIV/AIDS (Turan, PI)

Role on Project: Trainee and Co-Investigator

Enhancement of clinical research and data analysis skills for the analysis of the effects of women's HIV/AIDS knowledge, attitudes and testing status on their infant feeding intentions and practices

UCSF Research Awards Program

9/2009 - 8/2011

Pilot Award Program in HIV/AIDS (Turan, PI)

Role: Co-Investigator

Formative Research for the Adaptation of an Intervention for HIV/AIDS Service Providers on Gender- Based Violence in Rural Western Kenya

Publications

- 1: Odeny TA, **Onono M**, Owuor K, Helova A, Wanga I, Bukusi EA, Turan JM, Abuogi LL. Maximizing adherence and retention for women living with HIV and their infants in Kenya (MOTIVATE! study): study protocol for a randomized controlled trial. *Trials*. 2018 Jan 29; 19(1):77. doi: 10.1186/s13063-018-2464-3. PubMed PMID: 29378622; PubMed Central PMCID: PMC5789594.
- 2: Dumas SE, Maranga A, Mbullo P, Collins S, Wekesa P, **Onono M**, Young SL. "Men Are in Front at Eating Time, but Not When It Comes to Rearing the Chicken": Unpacking the Gendered Benefits and Costs of Livestock Ownership in Kenya. *Food Nutr Bull*. 2017 Jan 1:379572117737428. doi: 10.1177/0379572117737428. [Epub ahead of print] PubMed PMID: 29226708.
- 3: Spangler SA, Abuogi LL, Akama E, Bukusi EA, Helova A, Musoke P, Nalwa WZ, Odeny TA, **Onono M**, Wanga I, Turan JM. From 'half-dead' to being 'free': resistance to HIV stigma, self-disclosure and support for PMTCT/HIV care among couples living with HIV in Kenya. *Cult Health Sex*. 2017 Aug 16:1-15. doi: 10.1080/13691058.2017.1359338. [Epub ahead of print] PubMed PMID: 28812457.
- 4: Cohen CR, Grossman D, **Onono M**, Blat C, Newmann SJ, Burger RL, Shade SB, Bett N, Bukusi EA. Integration of family planning services into HIV care clinics: Results one year after a cluster randomized controlled trial in Kenya. *PLoS One*. 2017 Mar 22;12(3):e0172992. doi: 10.1371/journal.pone.0172992. eCollection 2017. PubMed PMID: 28328966; PubMed Central PMCID: PMC5362197.
- 5: Helova A, Akama E, Bukusi EA, Musoke P, Nalwa WZ, Odeny TA, **Onono M**, Spangler SA, Turan JM, Wanga I, Abuogi LL. Health facility challenges to the provision of Option B+ in western Kenya: a qualitative study. *Health Policy Plan*. 2017 Mar 1;32(2):283-291. doi: 10.1093/heapol/czw122. PubMed PMID: 28207061.



- 6: Krumdieck NR, Collins SM, Wekesa P, Mbullo P, Boateng GO, **Onono M**, Young SL. Household water insecurity is associated with a range of negative consequences among pregnant Kenyan women of mixed HIV status. *J Water Health*. 2016 Dec;14(6):1028-1031. PubMed PMID: 27959881; PubMed Central PMCID: PMC5210218.
- 7: Shaw BI, Asadhi E, Owuor K, Okoth P, Abdi M, Cohen CR, **Onono M**. Perceived Quality of Care of Community Health Worker and Facility-Based Health Worker Management of Pneumonia in Children Under 5 Years in Western Kenya: A Cross-Sectional Multidimensional Study. *Am J Trop Med Hyg*. 2016 May 4;94(5):1170-6. doi: 10.4269/ajtmh.15-0784. Epub 2016 Mar 14. PubMed PMID: 26976883; PubMed Central PMCID: PMC4856619.
- 8: Newmann SJ, Rocca CH, Zakaras JM, **Onono M**, Bukusi EA, Grossman D, Cohen CR. Does Integrating Family Planning into HIV Services Improve Gender Equitable Attitudes? Results from a Cluster Randomized Trial in Nyanza, Kenya. *AIDS Behav*. 2016 Sep;20(9):1883-92. doi: 10.1007/s10461-015-1279-4. PubMed PMID: 26837632.
- 9: Patel RC, **Onono M**, Gandhi M, Blat C, Hagey J, Shade SB, Vittinghoff E, Bukusi EA, Newmann SJ, Cohen CR. Pregnancy rates in HIV-positive women using contraceptives and efavirenz-based or nevirapine-based antiretroviral therapy in Kenya: a retrospective cohort study. *Lancet HIV*. 2015 Nov;2(11):e474-82. doi: 10.1016/S2352-3018(15)00184-8. Epub 2015 Oct 22. Review. PubMed PMID: 26520927; PubMed Central PMCID: PMC4632202.
- 10: Harrington EK, Dworkin S, Withers M, **Onono M**, Kwena Z, Newmann SJ. Gendered power dynamics and women's negotiation of family planning in a high HIV prevalence setting: a qualitative study of couples in western Kenya. *Cult Health Sex*. 2016;18(4):453-69. doi: 10.1080/13691058.2015.1091507. Epub 2015 Oct 26. PubMed PMID: 26503879; PubMed Central PMCID: PMC5726384.
- 11: **Onono M**, Kwena Z, Turan J, Bukusi EA, Cohen CR, Gray GE. "You Know You Are Sick, Why Do You Carry A Pregnancy Again?" Applying the Socio-Ecological Model to Understand Barriers to PMTCT Service Utilization in Western Kenya. *J AIDS Clin Res*. 2015 Jun;6(6). pii: 467. Epub 2015 Jun 5. PubMed PMID: 26457229; PubMed Central PMCID: PMC4596237.
- 12: Newmann SJ, Zakaras JM, Tao AR, **Onono M**, Bukusi EA, Cohen CR, Steinfeld R, Grossman D. Integrating family planning into HIV care in western Kenya: HIV care providers' perspectives and experiences one year following integration. *AIDS Care*. 2016;28(2):209-13. doi: 10.1080/09540121.2015.1080791. Epub 2015 Sep 25. PubMed PMID: 26406803; PubMed Central PMCID: PMC4894498.
- 13: Withers M, Dworkin SL, **Onono M**, Oyier B, Cohen CR, Bukusi EA, Newmann SJ. Men's Perspectives on Their Role in Family Planning in Nyanza Province, Kenya. *Stud Fam Plann*. 2015 Jun;46(2):201-15. doi: 10.1111/j.1728-4465.2015.00024.x. PubMed PMID: 26059990.
- 14: Withers M, Dworkin SL, Zakaras JM, **Onono M**, Oyier B, Cohen CR, Bukusi EA, Grossman D, Newmann SJ. 'Women now wear trousers': men's perceptions of family planning in the context of changing gender relations in western Kenya. *Cult Health Sex*. 2015;17(9):1132-46. doi: 10.1080/13691058.2015.1043144. Epub 2015 Jun 2. PubMed PMID: 26032620.
- 15: Turan JM, **Onono M**, Steinfeld RL, Shade SB, Owuor K, Washington S, Bukusi EA, Ackers ML, Kioko J, Interis EC, Cohen CR. Implementation and Operational Research: Effects of Antenatal Care and HIV Treatment Integration on Elements of the PMTCT Cascade: Results From the SHAIIP Cluster-Randomized Controlled Trial in Kenya. *J Acquir Immune Defic Syndr*. 2015 Aug 15;69(5):e172-81. doi: 10.1097/QAI.0000000000000678. PubMed PMID: 25967269; PubMed Central PMCID: PMC4501892.



16: Washington S, Owuor K, Turan JM, Steinfeld RL, **Onono M**, Shade SB, Bukusi EA, Ackers ML, Cohen CR. Implementation and Operational Research: Effect of Integration of HIV Care and Treatment Into Antenatal Care Clinics on Mother-to-Child HIV Transmission and Maternal Outcomes in Nyanza, Kenya: Results From the SHAIIP Cluster Randomized Controlled Trial. *J Acquir Immune Defic Syndr*. 2015 Aug 15;69(5):e164-71. doi: 10.1097/QAI.0000000000000656. PubMed PMID: 25886930; PubMed Central PMCID: PMC4837126.

17: **Onono M**, Owuor K, Turan J, Bukusi EA, Gray GE, Cohen CR. The role of maternal, health system, and psychosocial factors in prevention of mother-to-child transmission failure in the era of programmatic scale up in western Kenya: a case control study. *AIDS Patient Care STDS*. 2015 Apr;29(4):204-11. doi: 10.1089/apc.2014.0181. Epub 2015 Mar 4. PubMed PMID: 25738870; PubMed Central PMCID: PMC4378858.

18: **Onono M**, Guzé MA, Grossman D, Steinfeld R, Bukusi EA, Shade S, Cohen CR, Newmann SJ. Integrating family planning and HIV services in western Kenya: the impact on HIV-infected patients' knowledge of family planning and male attitudes toward family planning. *AIDS Care*. 2015;27(6):743-52. doi: 10.1080/09540121.2014.999744. Epub 2015 Jan 29. PubMed PMID: 25634244; PubMed Central PMCID: PMC4366270.

19: Turan B, Stringer KL, **Onono M**, Bukusi EA, Weiser SD, Cohen CR, Turan JM. Linkage to HIV care, postpartum depression, and HIV-related stigma in newly diagnosed pregnant women living with HIV in Kenya: a longitudinal observational study. *BMC Pregnancy Childbirth*. 2014 Dec 3;14:400. doi: 10.1186/s12884-014-0400-4. PubMed PMID: 25467187; PubMed Central PMCID: PMC4261547.

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43. Elizabeth Widen, Irene Tsai, Shalean Collins, Pauline Wekesa, Joy China, Natalie Krumdieck, Joshua Miller, Sheri Weiser, **Maricianah Onono**, Sera Young. HIV infection and increased food insecurity are associated with adverse body composition changes among pregnant and lactating Kenyan women *European Journal of Clinical Nutrition* (Accepted 31 July 2018)
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46. **Maricianah Onono**, Mohammed Abdi, Isaya Opondo, Jane Okung’u, Elijah Asadhi, Rachel Nyamai, Lydia Karimurio, Peter Okoth, Shamim Ahmad Qazi Using the RE-AIM framework to evaluate the Implementation of integrated community case management in Kenya Acta Paediatrica; 2018

White papers/National documents

2011 Kenya Urban Reproductive Health Service Delivery Report: Report of the 2011 Baseline Service Delivery Point Survey for Tupange, The Kenya Urban Reproductive Health Initiative Launched on April 4, 2012 Nairobi, Kenya. http://www.urbanreproductivehealth.org/sites/mle/files/Pages%20from%20Tupange%20SDP%20Survey_Report_Portion.pdf

2012 Republic of Kenya: Minimum Package for service provision of RH-HIV integration in Kenya. <http://iframe.k4health.org/sites/default/files/Minimum%20Package%20for%20RH%20HIV%20Integrated%20Services.pdf>

2014 Ministry of Health: A national framework and plan of action for implementation of integrated community case management (iCCM) in Kenya http://pdf.usaid.gov/pdf_docs/PA00JTDF.pdf

2014 Ministry of Health: Integrated Community Case Management (iCCM), 2013-2018 Monitoring and Evaluation Plan http://pdf.usaid.gov/pdf_docs/PA00JTDD.pdf

2016 Ministry of Health: Integrating RH and HIV care and treatment services: A toolkit for service providers <http://www.nascop.or.ke/index.php/rh-hiv-library/>

Committees and Memberships

Member of the Kenya National Family Planning Technical Working Group (TWG)	2012 to date
Member of the Kenya National integrated Community Case Management TWG	2012 to date
Chair Scientific Committee Integration for Impact Conference 2012	2012
Member of the KEMRI Sexual Reproductive Adolescent and Child Health Program Committee	2012 to date
Member of the Nyanza Provincial Reproductive Health Taskforce	2010
Member of the Family AIDS Care and Education Services PMTCT Taskforce	2011
World Health Organization Consultant to strengthen capacity for the identification of priorities for Implementation research to scale up new-born & child health interventions to reduce child mortality in Kenya	2011
Member of the Kenya National Committee on Integration of Reproductive Health & HIV	2011 to date
Development of the minimum package for RH and HIV integration document	2011



Development of the implementation strategy for the integrated Community Case Management and the monitoring and evaluation framework	2012
Member of the expert panel on guidelines for the management of children with severe pneumonia	2014
World Health Organization Temporary advisor on DMPA (intramuscular and subcutaneous) and NET-EN and HIV acquisition	2017

Honors and Awards

- **Fletcher Jones Graduate Fellowship (2018-19):** This competitive fellowship rewards excellence in research and selection is based on research accomplishments. Prior academic achievements and potential for future contributions to the health science field also are considered
- **Rosenberg-Hill Graduate Research Fellowship (2017-18):** offered to support outstanding PhD students in the social and population sciences who are entering years 3-5 of their program research in the health sciences
- **Top 120 under 40 Global leader in Family Planning (2016)**
- **KEMRI silver (the Lenana) scientific excellence achievement award (2014):** This is a merit award is given to emerging scientists who are embarking on their career path but show promise in their work and achievements
- **NIH Fogarty Global Health Fellowship (2012):** Awarded the Global Health Fellowship at the University of California Global Health Institute
- **Grant Writing Scholarship (2011):** Awarded scholarship to participate at the Enterprise OCTAVE Capacity Building Series: Grant writing Course for African Young and Early Career Investigators 04-10 December, 2011, Cape Town, South Africa
- **Meritorious Honor Award (2010),** Family AIDS Care and Education Services Kenya: Awarded in honour of extraordinary devotion to work and exemplary performance in the FACES program
- **Fogarty International Training Award in HIV/AIDS (2009):** This was used in enhancement of clinical research and data analysis skills for the analysis of the effects of women's HIV/AIDS knowledge, attitudes and testing status on their infant feeding intentions and practices
- **Christian Medical Fellowship (2005):** Awarded the outstanding heart of service by the Christian Medical Fellowship of Kenya-students chapter for my work in provision of health care to street children and orphans.

International collaborations and networks

I have experience and proven ability to pursue partnerships, collaborations and links with professional institutions and related bodies in advancing the Institute's interest.

- **Collaborations:** My research portfolio has both local & regional collaborators
 - The major local collaborators include Ministry of Health and Kenyan Universities like Maseno University,
 - The international collaborators include World Health Organization (WHO), United Nations Children's Fund (UNICEF), National Institutes of Health (NIH), Bill and Melinda Gates Foundation (BMGF), FHI360, and foreign based universities which include University of California San Francisco (UCSF), University of Colorado Denver (UCD), Cornell university, University of Washington, Northwestern University and University of Alabama
- **Partnerships:** As the lead for the national RH-HIV integration toolkit, in the spirit of national interest, I was able to
 - Activate the existing (but dormant) RH-HIV Technical working group (TWG): The TWG provided guidance for all RH-HIV Integration activities
 - Mobilize over 25 different RH-HIV stakeholders to participate and sustain membership in the exercise over a period of one year



- During the launch of the toolkit, I was able to reach out and ensure that all 47 counties were represented during the launch. Although initially funded for 3 counties – I was able to work closely with National AIDS and STI Control Program (NASCOP) to leverage resources to support travel for the representation of the 47 counties.
- Devolved government: In addition, within the devolved government, I have maintained cordial working relationships with the county governments of Kisumu, Migori, Siaya and Homabay Counties

Community Service

- Nafisika trust: Nafisika trust is a prison entrepreneurship initiative, which works to reduce recidivism in Kenyan prisons. By transforming Kenya’s prisons with a focus on shifting society’s perception of prisoners away from common negative prejudice and stereotypes.
- Christ is the Answer Ministries (CITAM), Kisumu Pacesetters: I mentor teens who are out of high school and just beginning to enter college/universities. I help organize programs and facilitate discussions and visit high schools
- International Christian Medical practitioners and Dentists Association—Kisumu chapter –spiritual and career mentorship of young doctors entering internship.
- Amazing Girls Mentorship Network: I mentor teens who are out of high school and just beginning to enter college/universities.

Innovations

Developed a mobile phone based surveillance system known as Utoto salama which to date has received over 13000 texts to report pneumonia. The system is able to test for treatment accuracy, concordance with nurses, track commodity supplies and track performance of community health workers for the entire Homabay county