

16/01/24

DRAFT AGENDA FOR ANNUAL REVIEW MEETING 2025 UNIVERSITY OF NAIROBI STD/HIV/SRH COLLABORATIVE RESEARCH GROUP - SERENA HOTEL, NAIROBI

Monday, January 27, 2025

7:00 – 8:30 Registration

8:30 - 9:00 **Opening Ceremonies**
Chair: Marianne Mureithi

- Greetings from UNITID and the Dept. of Medical Microbiology – Julius Oyugi, Marianne Mureithi
- Greetings from the Faculty of Health Sciences, Univ. Nairobi – Prof. George Osanjo, Dean
- Greetings from Univ. Nairobi and introduction of Vice-Chancellor – Prof. Francis Mulaa, DVC Research, Innovation and Enterprise
- Official opening – Prof. Margaret Jesang Hutchinson, Vice-Chancellor Univ. Nairobi
- Greetings from the Univ. Manitoba – Michael Benarroch – President, Univ. Manitoba
- Greetings from Univ. Washington – Dr. Heidi van Rooyen, Chair, Dept. of Global Health

Session I: The Year's Highlights

Co-Chairs: Marianne Mureithi, Julius Oyugi

- 9:00 – 9:20 HIV in Kenya 2024 – Ruth Laibon Masha, CEO, National Syndemic Diseases Control Council (NSDCC formerly NACC)
- 9:20 – 9:40 Long-acting antiretrovirals for PrEP and treatment – prospects for dissemination – Kenneth Ngunjiri - School of Public Health JKUAT; President-Elect International AIDS Society (IAS)
- 9:40 – 10:30 Current Research Activities at the University of Nairobi
- KAVI-ICR: End Point Analysis for Vaccine Clinical Trials in Kenya – Daniel Muema
 - UNITID: Ongoing research and clinical trials – Julius Oyugi
 - CEMA: Strengthening Research and Innovation in HIV/STI and Reproductive Health: CEMA's Approach - innovative strategies, training and partnerships – tba
- 10:30 – 11:00 TEA/ COFFEE**

Session II: HIV and non-communicable diseases (NCD)

Co-Chairs: Carey Farquhar, Missie Oindo

- 11:00-11:15 The association of mild kidney disease with coronary disease is stronger for people living with HIV - Shrada Doshi – IARTP
- 11:15-11:30 Prevalence of neurocognitive disorders in women aging with HIV – Caroline Mwangi – Univ. Washington
- 11:30-11:45 Early structural heart disease, HIV, and tuberculosis in East Africa: Baseline characteristics in the ASANTE Study – Boni Ale – UNITID, Univ. Nairobi
- 11:45-12:30 Kisumu Cancer Studies – KEMRI RCTP Kisumu, Washington Univ. St. Louis
- Introduction – Thomas Odeny

- Characteristics and mortality risk among oesophageal cancer patients with varied HIV status seeking oncology care in western Kenya: a 10-year analysis –Dorothy Mangale
- Survival disparities between patients with breast cancer with and without HIV at Jaramogi Oginga Odinga Teaching and Referral Hospital (JOOTRH) – Harriet Fridah Adhiambo.
- Mortality among patients with virus-associated cancers at Jaramogi Oginga Odinga Teaching and Referral Hospital (JOOTRH) – Dorothy Mangale.
- Survival disparities in cervical cancer patients with and without HIV at Jaramogi Oginga Odinga Teaching and Referral Hospital (JOOTRH): A comparative analysis – Harriet Fridah Adhiambo

12:30-12:45 Frailty in women living with HIV at Kenyatta National Hospital – Wendy Dlamini - Univ. Washington

12:45 – 1:00 Dietary knowledge and practices in adults living with HIV on care and treatment at Lowarengak Health Centre, Turkana County - Leonard Ekuam – MoH

1:00 – 2:30 Poster Session

1:00 – 2:00 Lunch

Session III: Pre-Exposure Prophylaxis (PrEP)

Co-Chairs: Peter Arimi, Julie Lajoie

2:00-2:15 Adapting the where for PEP & PrEP – expanding service reach through private pharmacies in Kenya – Lawrence Juma - KEMRI

2:15-2:30 Uptake of HIV PrEP at private pharmacies in Kenya: Early findings from a cluster randomized controlled trial – Tabitha Kareithi - PHRD

2:30-2:45 Examining PrEP case management in reducing PrEP discontinuation and seroconversion: A pre-post intervention study – Bridget Muriithi – PHDA, Univ. Manitoba

2:45-3:00 Sex workers champions role in addressing PrEP continuation in Kilifi County – a case study – Simon Mwangi – ICRH

3:00-3:15 Improving PrEP uptake among adolescent girls and young women at risk of acquiring HIV in North Kadem Ward, Nyatike Sub-County, Migori County: A quality improvement approach - Eugene Ariya – MoH

3:15-3:30 Characteristics of and high acceptance of PrEP among adolescent girls and young women seeking contraception at retail pharmacies in Kenya – Vincent Momanyi - KEMRI/RCTP

3:30-3:45 Motivations of pregnant women initiating PrEP within antenatal care enrolled in a randomized trial to improve adherence: the mWACH-PrEP study – Eunita Akim, KNH, Univ. Washington

3:45 - 4:00 **TEA/COFFEE**

4:00-4:15 Engagement with an interactive adherence text messaging platform among women initiating PrEP during pregnancy in Kenya: The Mobile WACH-PrEP Study - Salphine Watoyi – KNH, Univ. Washington

- 4:15-4:30 Community influence on decision making by pregnant and lactating women on use of long-acting HIV prevention products: A qualitative study – Maryeve Gikwa, KEMRI, PHRD, Univ. Washington
- 4:30-4:45 Acceptability of semi-annual HIV PrEP dispensing with interim HIV self-testing for streamlined PrEP delivery in Kenya – Nicholas Thuo - PHRD, Univ. Washington
- 4:45-5:00 “They think you are a whore!”: Knowledge, motivations, and barriers to use of HIV PrEP among young gay and bisexual men in Nairobi - Carlos Cheruiyot - Univ. Nairobi
- 5:00-5:15 An assessment of HIV drug resistance among seroconversions in users of PrEP in Kenya: preliminary findings – Everline Bosek - Univ. Washington
- 5:15-5:30 Designing a community of practice for health care workers to adopt integrated PrEP delivery in maternal and child health clinics – Kellie List – Univ. Washington

6:00 – 9:00 Reception – Serena Hotel, all participants invited

Tuesday, January 28, 2025

Session IV: Human Papilloma Virus (HPV) Symposium

Co-Chairs: Marianne Mureithi, Nelly Mugo

- 8:30 – 8:40 Introduction – Marianne Mureithi – Univ. Nairobi
- 8:40 – 9:00 Achieving 90-70-90 – the current state of HPV primary and secondary prevention – Nelly Mugo – KEMRI, Univ. Washington
- 9:00 - 9:15 Comparison of HPV types in women with cervical histology results in Siaya County – Cirilus Osongo – Univ. Washington, Univ. North Carolina, KEMRI-RCTP, Aga Khan Univ., Maseno Univ.
- 9:15 - 9:30 High-risk HPV incidence and persistence among Kenyan adolescents assigned female sex at birth – Alison Roxby - Univ. Washington
- 9:30 - 9:45 Digital PCR measurement and trajectory analysis of high-risk HPV viral loads in longitudinal cervicovaginal lavage samples – Clare Levy - Univ. Washington
- 9:45 -10:00 Vaginal microbiome profiles associated with high-risk HPV in women living with HIV in Meru, Kenya – Celestine Kemunto - Stellenbosch Univ.
- 10:00 -10:15 Vaginal microbiome associations with HPV status in female sex workers from Nairobi, Kenya: a cross-sectional analysis – Lyle McKinnon – Univ. Manitoba, PHDA, Uganda Virus Research Institute, CAPRISA, Univ. Nairobi
- 10:15- 10:30 The role of STI and bacterial vaginosis co-infections on the median time of HPV clearance in young women in Thika - Innes Wambui - KEMRI-CCR, PHRD, Univ. Washington
- 10:30 - 11:00 TEA/COFFEE**
- 11:00 – 11:15 Healthcare providers’ perspectives on barriers and facilitators of HPV vaccination in Kenya – Cynthia Cheptoo - KEMRI, PHRD, Univ. Washington
- 11:15 – 11:30 Role of human leucocyte antigen typing in HPV therapeutic vaccine development for cervical cancer prevention – Loise Joseph – Univ. Nairobi

- 11:30 – 11:45 Distribution of vaccine-preventable HR-HPV genotypes and association with cervical cytology patterns among women living with HIV at Kenya’s referral hospital - James Kangethe - KNH, Univ. Nairobi
- 11:45 – 12:00 Discussion

Session V: Capacity Building, Systems, Human Resources

Chair: Stephen Moses

- 12:00-12:15 Promoting sustainability and integration in health programs: A model implemented in faith-based facilities at Coptic, Nairobi 2022 to 2024. – Charles Kibaara - Coptic Hope Centre
- 12:15-12:30 Protein expression laboratory (PEL) at the KAVI-Institute of Clinical Research (KAVI-ICR) – Zipporah Richard - KAVI-ICR
- 12:30-12:40 Designing intervention to strengthen resilience of HIV healthcare providers for pregnant/postpartum women in Southwestern Kenya during service disruption: The REACH Study (REsilience Amid Challenges in Healthcare) – Moses Okombo, KEMRI / Univ. Alabama, Univ. Michigan, Univ. N. Carolina,
- 12:40-12:50 Mental health impacts on personal life, relationships, and work-life balance of health workers amid disruptions: Qualitative findings from the REACH Study – Moses Okombo – KEMRI, Univ. Alabama, Univ. Michigan, Univ. N. Carolina
- 12:50-1:00 Review of Behavioural Interventions to Build Resilience and Improve Coping Skills of Health Workers in Africa – Evelyne Owengah – KEMRI, Univ. Alabama, Univ. Michigan, Univ. N. Carolina
- 1:00 – 2:30 Poster Session**
- 1:00 – 2:00 Lunch**

PARALLEL SESSIONS

Session VI: Zoonoses and One Health

Co-Chairs: Tarja Sironen, Moses Masika

- 2:00-2:15 Lessons from Japanese Encephalitis Virus serosurvey in hunted wild animals from Yamaguchi Prefecture, Japan – Peter Kimeli – Univ. Nairobi
- 2:15-2:30 Implications of physiological stress on infection dynamics in Kenyan bats – Isabella DeAngelis – Univ. Arkansas
- 2:30-2:45 The influence of housing structures on rodent populations and zoonotic disease risk in Taita Hills, Kenya – Alois Mweu – Univ. Arkansas
- 2:45-3:00 Mosquitos and mosquito-borne diseases in south-eastern Kenya – Viktor Olander, Univ. Helsinki
- 3:00-3:15 Coronavirus surveillance in Taita Hills, Kenya – Nina Suomalainen – Univ. Helsinki
- 3:15-3:30 Rodent-borne diseases, Kibera – Griphin Ochola – Univ. Helsinki

- 3:30-3:45 Prevalence and genetic characterization of bat alphacoronaviruses in co-roosting bat species, southeastern Kenya – Joseph Ogola – Univ. Nairobi
- 3:45 – 4:00 TEA/COFFEE**
- 4:00 – 4:15 Zoonotic viruses and pandemic potential - Åke Lundkvist, Uppsala Univ.
- 4:15 - 4:30 Arbovirus evolution, from the lab to phylogenomic analyses - Jiaxin Ling, Uppsala Univ.
- 4:30 - 4:45 Disease risks with live animal markets - Johanna Lindahl, Swedish Veterinary Inst.
- 4:45 - 5:00 Highly Pathogenic Avian Influenza (HPAI) H5N1 virus in Finland in 2021-2023 – Infectivity kinetics in human immune cells and their genetic diversity - Eda Altan, Univ. Helsinki
- 5:00 - 5:30 Discussion

Session VII: Mental Health in Key Populations in East Africa: Interventions, Ethics and Policies needing to be addressed

Co-Chairs: Parinita Bhattacharjee, Manasi Kumar

- 2:00-2:15 Introduction: evidence regarding the need to address mental health among key and vulnerable populations - Manasi Kumar, New York Univ. School of Medicine
- 2:15-2:30 Developing policy guidance to integrate mental health into key and vulnerable population programming in Kenya - Jafred Mwangi, NSDCC, Kenya
- 2:30-2:45 Addressing mental health concerns among men who have sex with men in Nairobi - Shillah Mwaniga, HIV coordinator, Nairobi County
- 2:45-3:00 Introducing novel interventions like IPT among adolescent mothers living with HIV - Obadia Yator - National Defence Univ., Kenya
- 3:00-3:15 Integrating mental health in programmes with female sex workers in Tanzania - Bonus Cesar - AfriCAI, Tanzania
- 3:15-3:30 Community participation and engagement to strengthen mental health intervention delivery among young living with HIV - Cyrus Mugo, KNH
- 3:30-3:45 Discussion
- 3:45 – 4:00 TEA/COFFEE**

Session VIII: PMTCT and HIV in Children

Co-Chairs: Grace John-Stewart, Ruth Nduati

- 4:00-4:15 Correlates, barriers and facilitators to uptake and utilization of elimination of vertical HIV transmission interventions among women attending 6-week postpartum clinic visits at Lodwar County Referral Hospital – Kristina Lokuruka – KNH
- 4:15-4:30 Most perinatal deaths are attributable to delays in facility services, not care-seeking, in Kenya - Winfred Jeremiah Mwendu – Univ. Washington

- 4:30-4:45 Perceptions of the impact of underutilization and disruption of health services on pregnant and postpartum women living with HIV and their infants during the COVID-19 pandemic in Southwestern Kenya – Evelyne Owengah – KEMRI, Univ. Alabama, Univ. Michigan, Univ. N. Carolina
- 4:45-5:00 HIV exposure does not affect cytomegalovirus acquisition risk in a setting of optimized maternal ART – Emily Begnel - Univ. Washington, Univ. Nairobi
- 5:00-5:15 Antiretroviral treatment interruptions in children transiently raise HIV DNA levels but do not strongly influence long term reservoir size and kinetics – Dara Lehman - Fred Hutchinson Cancer Research Center, Univ. Washington
- 5:15-5:30 EF TOUCH tablet-based assessments to measure executive function in 4-year-old children from the Linda Kizazi Cohort – Judith Adhiambo – Univ. Washington, Univ. Nairobi
- 5:30-5:45 Hearing assessments in HIV-exposed and unexposed children from the Linda Kizazi Cohort – Eliza Mabele - Univ. Washington, Univ. Nairobi

POSTERS - MONDAY – WEDNESDAY 11am

Directly observed weekly doxycycline PEP for STI prevention among cisgender women in Kisumu – John Tsetso - KEMRI-RCTP

Discrete choice experiment on the preferences for long-acting pre-exposure prophylaxis (PrEP) among pregnant women without HIV in Kisumu and Siaya, Kenya - Pascal Omondi – KNH, Univ. Washington

Pharmacy-based delivery of long-acting injectable PrEP in Kenya: Provider, client, and key stakeholder perspectives on potential challenges and opportunities – Catherine Kiptinness - PHRD, Univ Washington

HIV treatment outcomes following seroconversion on oral PrEP in Western Kenya – James Ayieko - KEMRI-RCTP

Awareness on and willingness to use PrEP among young female sex workers in Kisumu, Kenya - Dan Omollo - IRDO, Columbia Univ., UCSF, Maseno Univ

Scaling up integrated PrEP delivery in Kenyan maternal and child health clinics for pregnant and postpartum women: PrEPARE Scale Up study protocol- Ben Odhiambo – KNH Univ. Washington

Hepatitis C screening, testing and treatment for people who inject drugs in Kenya: A time and motion survey – Judy Machuka – KNH, Univ. Washington

U=U (Undetectable=Untransmissible) messaging effect on viral suppression, stigma reduction, and community engagement among HIV-positive female sex workers in Mombasa, Kenya – David Muchiri - ICRH/LVCT

Baseline characteristics of MSM enrolled in the Mbili Pamoja Study – Frederick Otieno - Nyanza Reproductive Health Society

Addressing HIV and SRH needs among young female sex workers and transgender youth in Kilifi County – Charlotte Mwanzi – ICRH

Role of community-based interventions in addressing HIV among women in key populations SWOP clinics in Nairobi – Idah Mirera - PHDA, Univ. Manitoba

Kangaroo Mother Care training in Kenyan facilities during mobile WACH NEO Study was associated with increased skin-to-skin care at home – Janet Adiambo Okota – Univ. Washington

Preliminary results of KABC neurodevelopmental assessments among children aged 4 years old in the Linda Kizazi Study - Hemstone Mugala – Univ. Washington, Univ. Nairobi

The CIPHR Project (Community Insights in Phylogenetic HIV Research); a key population-led knowledge exchange program on HIV molecular science – Martha Nyakambi – PHDA, Univ. Manitoba

Outcomes of mobilization and recruitment strategies in the Inducing Immune Quiescence study – Anthony Kombo - PHDA, Univ. Manitoba Univ. Nairobi

Childhood immunisation uptake in children of female sex workers in Nairobi: Preliminary results – Ethel Wanjiku – PHDA, Univ. Manitoba, Univ. Nairobi

Using Computer Administered Personal Interview (CAPI) versus Audio Computer Assisted Self Interview (ACASI) to compare behavioural and other outcomes in an MSM multisite cohort study in Kisumu and Nairobi – Joseph Nzioka – PHDA, Univ. Manitoba, Univ. Illinois Chicago, Univ. Nairobi

Development and evaluation of an African Green Monkey-specific Simian-Human Immunodeficiency Virus - Ryan Moriarty – Northwestern Univ.

Wednesday January 29, 2025

Session IX: Immunology and Basic Science

Co-Chairs: Paul McLaren, Omu Anzala

8:30-8:45 T-cell activation and exhaustion in the HIV-positive female genital tract – Lucy Adala – Univ. Washington

8:45-8:55 Leukocytes movement and migration and their role in resistance to HIV infection - the influence of age? – Ma Luo - Univ. Manitoba, Univ. Nairobi

8:55-9:05 Glycosaminoglycans, applications in prevention of severe inflammation induced by viral infection – Ma Luo – Univ. Manitoba, Univ. Nairobi

9:05-9:15 DMPA use affects T cell exhaustion in FSW from Nairobi, Kenya – Natasha Hollett – Univ. Manitoba, PHDA, Karolinska Inst, Univ. Nairobi

9:15-9:30 Well-seeded reservoirs in gut are associated with tertiary lymphoid organs and stress response activation – Thomas Hope – Northwestern Univ., Univ. Louisiana

9:30-9:45 Dysregulation of pulmonary mucosal immunity during chronic HIV infection under suppressive antiretroviral therapy – Cecilia Costiniuk – Univ. Western Ontario

9:45-10:00 Rapid, extraction-free, and portable molecular detection of HIV and HCV directly from whole blood – Paul McLaren – Univ. Manitoba, Univ. Nairobi

10:00-10:15 Nef inhibitors as adjuvants towards a cure for HIV/AIDS – Corby Fink - Univ. Manitoba, Univ. Nairobi

10:15-10:30 The ability of topical antimicrobials to reduce penile HIV susceptibility and inflammation is disrupted by sexual activity – Rupert Kaul - Univ. Toronto, Univ. Nairobi

10:30 - 11:00 TEA/COFFEE

- 11:00-11:10 Elevation of cytotoxic function among CD56brightCD16dim cytokine producing natural killer cells in women on Depot Medroxyprogesterone Acetate – Toby Le - Univ. Manitoba, Univ. Nairobi
- 11:10-11:20 Inducing immune quiescence using oral Acetylsalicylic Acid among female sex workers – Kenneth Omolo – Univ. Manitoba, Univ. Nairobi
- 11:20-11:30 Unexpected Anatomical Cycles of Antibody Distribution – Ana Carias – Northwestern Univ., Univ. Louisiana
- 11:30-11:40 Does it take another non-HIV antigen to elicit optimal HIV broadly neutralizing antibodies? - Delphine Depierreux - Fred Hutchinson Cancer Research Center, Univ. Washington
- 11:40-11:50 Defining the factors influencing SARS-CoV-2 antibody ADCC function and the utility of dried blood spots in human cohort studies - Delphine Depierreux - Fred Hutchinson Cancer Research Center, Univ. Washington

Session X: The Microbiome

Chair: Serah Gitome, Elizabeth Bukusi

- 11:50 – 12:05 Water source, latrine type, and rainfall are associated with detection of non-optimal and enteric bacteria in the vaginal microbiome: A prospective observational cohort study nested within a cluster randomized controlled trial - Supriya Mehta – Univ. Illinois Chicago
- 12:05–12:15 *Prevotella Bivia* and inflammatory responses across female reproductive tract compartments – Matrona Akiso – Univ. Nairobi
- 12:15-12:30 Quantitative profiling of the vaginal microbiota improves resolution of the microbiota-immune axis – Rupert Kaul - Univ. Toronto, Univ. Nairobi
- 12:30-12:45 Soil origins and environmental correlates of gut microbiota for children in rural households – Mariah Coley, County Govt.
- 12:45-1:00 Leveraging organ chip models to advance female reproductive health equity - Zohreh Izadifar – Harvard Univ., CAPRISA, Univ. Manitoba
- 1:00 – 2:30 Poster Session**
- 1:00 – 2:00 Lunch**

Session XI: Sexually Transmitted Infections

Chair: Keith Fowke, John Kinuthia

- 2:00-2:15 Baseline characteristics associated with bacterial vaginosis and STI among economically vulnerable women who engage in sex for livelihood. – Garazi Zulaika – Ngima for Sure, Siaya
- 2:15-2:30 High STI incidence among women who initiated PrEP during pregnancy in Western Kenya – Felix Abuna – KNH, Univ. Washington
- 2:30-2:45 Increased reproductive tract infections among secondary school girls during the COVID-19 pandemic: associations with pandemic-related stress, mental health, and domestic safety – Frederick Otieno - Nyanza Reproductive Health Society

- 2:45-3:00 Menstrual phase-dependent T Cell phenotypic changes in the female genital tract and circulation: implications for vulnerability to sexually transmitted infection - Irene Cruz Talavera - Univ. Washington
- 3:00-3:15 Expanding the immunological hypothesis for increased HIV susceptibility associated with bacterial vaginosis – Finn MacLean - Fred Hutchinson Cancer Research Center, Univ. Washington
- 3:15-3:30 Verification of point-of-care diagnostic for *Chlamydia trachomatis* and *Neisseria gonorrhoea* in Thika PHRD Laboratory using proficiency samples – Stanley Murithi – KEMRI-CCR, PHRD, Univ. Washington
- 3:30-3:45 A phase IV study of a 3-day vs. 7-day regimen of doxycycline for the treatment of chlamydial infection – Mwanajuma Ngama – Univ. Washington
- 3:45-4:00 Trends of laboratory-confirmed sexually transmitted infections among female sex workers in SWOP Clinics. – Faith Kurgat - PHDA, Univ. Manitoba
- 4:00 – 4:15 TEA/COFFEE**

PARALLEL SESSIONS

Session XII: Technology, Telemedicine and Digital Health

Co-Chairs: Antony Kariri, Paul Macharia

- 4:15-4:30 Leveraging on information system machine learning to improve HIV case identification: case study of Arombe Dispensary, Migori Siaya - Loriet Otieno – MoH
- 4:30-4:45 Implementation strategies to improve the fidelity of a text messaging intervention for neonatal health among community health promoters – Priyanka Shrestha – Univ. Washington
- 4:45-5:00 Stakeholders’ recommendations for features to incorporate in an artificial intelligence-based HIV risk assessment tool – Marion Hewa - KEMRI-RCTP, Harvard Univ.
- 5:00-5:15 “Maybe I will know how to control myself”: Potential influences of an artificial intelligence-based tool to assess HIV prevention needs among young women in Kisumu, Kenya – Ochwal Oyugi - CMR/KEMRI
- 5:15-5:30 Landscape analysis of digital health technologies among key populations in Nairobi and Machakos Counties – Antony Kariri – PHDA, Univ. Manitoba
- 5:30 – 5:40 A user-centered approach to customizing, validating and evaluating a large language model for empowering healthcare providers with up-to-date information on adolescent health – Paul Macharia – KNH
- 5:40-5:50 A user-centered approach to designing a social media app fostering interaction, and awareness on HIV, intimate partner violence, substance use, mental, sexual and nutritional health among adolescents and young people in a resource-limited setting - Paul Macharia – KNH

Session XIII: Community-led Quantitative Research – the HEKA Intervention

Chair: Sharmistha Mishra, Jeffrey Walimbwa

- 4:15-4:25 The story of HEKA overview – Jeffrey Walimbwa, Sharmistha Mishra – ISHTAR, Univ. Toronto
- 4:25-4:35 Scoping review of community participation in mathematical models of epidemics – Nancy Tahmo – Univ. Toronto
- 4:35-4:55 HEKA database presentation – Anthony Noah, Ken Ouma, Jedidiah – AMKENI Malindi, MAYGO, HOYMAS
- 4:55-5:20 HEKA Case study – PrEP, HIV Cascade, STI, mPox community survey - Anthony Noah, Ken Ouma, Jedidiah, Fortune Ligale – AMKENI Malindi, MAYGO, HOYMAS, HAPA Kenya
- 5:20-5:40 Panel discussion
- 5:40-5:45 Closing remarks and next steps - Jeffrey Walimbwa - Ishtar

Thursday January 30, 2025

Session XIV: Treatment and Care

Co-Chairs: Rupert Kaul, Kenneth Ngunjiri

- 8:30-8:45 Gut Instincts: unravelling the metabolic and immune chaos in individuals living with HIV. – Joseph Gichuru - KEMRI-CCR, PHRD, Univ Washington
- 8:45-9:00 Understanding barriers and facilitators to doxycycline post-exposure prophylaxis adherence among young women in Western Kenya: A qualitative study – Benn Kwach - CMR/KEMRI
- 9:00-9:15 Adaptation and learning from a quality improvement evaluation project on adolescent transition documentation at Homa Bay County Teaching and Referral Hospital- Edward Corneleous Odhiambo Okal – MoH
- 9:15-9:30 A qualitative assessment of adolescents’ and young adults’ perceptions and satisfaction with adaptive re-engagement interventions for enhancing HIV care retention – Eliud Akama – KEMRI
- 9:30-9:45 Adolescent and young adults’ experiences with an in-person peer navigation intervention for HIV care engagement in western Kenya. – Gladys Ontuga – KEMRI
- 9:45-10:00 Enhancing HIV Knowledge on viral load suppression among community health promoters – Zilper Imbuye - McGill Univ., KNH, Siaya County Dept. of Health
- 10:00-10:15 Missed initial clinic visits among women living with HIV in the transition from maternal and child health clinics to general HIV care clinics in western Kenya – Marilyn Nyabuti – KNH, Univ. Washington, Univ. Nairobi
- 10:15-10:30 Dolutegravir (DTG) resistance among previously ARV-experienced viraemic patients in Kenya receiving DTG-based ART – Leonard Kingwara, Forward Ever Group Ltd.
- 10:30 - 11:00 TEA/COFFEE**

Session XV: Key Populations

Co-Chairs: Lyle McKinnon, Joshua Kimani

- 11:00-11:15 Experiences of police and client violence among incarcerated young female sex workers in Kisumu City: public health implications - Dan Omollo – Maseno Univ., Columbia Univ., UCSF
- 11:15-11:30 Prevalence and intersection of depressive symptoms and alcohol and drug dependence among female sex workers enrolled in trial of menstrual cups to improve reproductive tract health – Edyth Osire - Nyanza Reproductive Health Society
- 11:30-11:45 Using participatory training and intergroup dialogue to improve provision of healthcare for sexual and gender minority communities in a polarized context in Nairobi – Samuel Mwaniki - Univ. Nairobi
- 11:45-12:00 Enrolment and continuation on PREP using peer-led versus clinician-initiated model at SWOP Majengo Clinic – Onesmus Munywoki - PHDA, Univ. Manitoba
- 12:00-12:15 Resilient health systems for key populations during public health emergencies: A longitudinal analysis of HIV service use by female sex workers at the SWOP clinics in Nairobi during COVID-19 – Amaanat Gill - Univ. Manitoba
- 12:15-12:30 “We must help them despite who they are...”: Healthcare providers’ attitudes and perspectives on care for young gay, bisexual and other men who have sex with men in Nairobi – Samuel Mwaniki – Univ. Nairobi
- 12:30-12:45 “What if I get sick, where shall I go?”: a qualitative investigation of healthcare engagement among young gay and bisexual men in Nairobi – Samuel Mwaniki – Univ. Nairobi
- 12:45-1:00 Enhancing STI, HIV, and anal health outcomes through community-led research and advocacy for gay, bisexual, and other men who have sex with men (GBMSM) in Kenya – Samuel Anyula Gorigo. - Hoymas Kenya
- 1:00 – 2:30 Poster Session**
- 1:00 – 2:00 Lunch**

Session XVI: Epidemiology

Co-Chairs: Thomas Hope, Rose Bosire

- 2:00-2:15 Sexual power, HIV risk factors and perception in relationships between young men and older women in Kisumu County – Dursila Odoyo – IRDO
- 2:15-2:30 Risk perception of young men in age-disparate and intergenerational sexual relationships in Kisumu County – Romeo Odira – IRDO
- 2:30-2:45 Applying lessons learned in Nigeria about network data capture and phylogenetics for HIV-1 research in Kenya – Gregory Philips - Northwestern Univ.
- 2:45 – 3:00 Risky sexual behaviours among widowed women in Siaya Kenya – Jackie Odhiambo – Maseno Univ., UCSF, KEMRI
- 3:00-3:15 Widowhood stigma as a fundamental cause of poor sexual and reproductive health outcomes in Africa: a conceptual framework – Jackie Odhiambo – Maseno Univ., UCSF, KEMRI

- 3:15-3:30 Investigating the relationship between different kinds of stigma and the empirical validity of a “universal precautions” framework for stigma reduction: results from the Mombasa Healthcare Worker Study - Denton Callander – Univ. New South Wales, Medecins Sans Frontieres
- 3:30-3:45 Measuring the external environment in clinical trials: Implementation of a context tracking tool – Moraa Arasa – IRDO
- 3:45 – 4:00 “Kujiamini Kiafya”: Community involvement in laboratory research activities in a clinical study - Alice Murigu - PHDA, Univ. Manitoba
- 4:00 – 4:15 TEA/COFFEE**

Session XVII: Testing

Co-Chairs: McKenna Eastment, Bhavna Chohan

- 4:15 - 4:30 A near point-of-care (POC) HIV drug resistance testing: Oligonucleotide Ligation Assay (OLA)-Simple field implementation, usability, and performance assessment in Kenya – Prestone Owiti - Univ. Nairobi
- 4:30 - 4:45 Factors associated with HIV testing among street-connected and homeless youth in Kenya and Canada enrolled in a peer navigator program – Reuben Kiptui – AMPATH
- 4:45 - 5:00 Efficacy of home visits for pregnant couples to promote couple HIV testing and family health – Janet Turan – KEMRI, Univ. Alabama, Univ. Michigan, Univ. N. Carolina
- 5:00 – 5:15 Moderators of a home-based couple intervention on couple HIV testing and counselling uptake in Kenya – Zachary Kwena – KEMRI, Univ. Alabama, Univ. Michigan, Univ. N. Carolina
- 5:15 – 5:30 Understanding the benefits of HIV risk self-screening among pharmacy clients in Kenya – Lawrence Juma - KEMRI-RCTP
- 5:30 – 5:45 A point-of-care urine tenofovir assay is highly acceptable and has strong predictive utility for virologic suppression among adolescents/young adults with HIV in Kenya – Jane Gacheru - KEMRI-CCR, PHRD, Univ. Washington
- 5:45 – 6:00 Verification of saliva as an alternative sample type to nasopharyngeal swabs for SARS-CoV-2 molecular diagnosis on Cepheid GeneXpert Dx Platform. – Victor Sewe - KEMRI-Kisumu

Friday January 31, 2025

Session XVIII: Reproductive Health

Co-Chairs: Marleen Temmerman, Marissa Becker

- 8:30-8:45 Because sex hormones matter – Julie Lajoie – PHDA, Univ. Manitoba, Univ. Nairobi
- 8:45-9:00 Case-cohort study of the associations between the periconceptual vaginal microbiota and gestational age at delivery in Kenyan women – Jackson Nyandoro – Univ. Washington

- 9:00-9:15 Study of an audit and feedback intervention to reduce fresh stillbirth at a level five hospital in Mombasa (The FSB Study) – McKenna Eastment, Susan Kipyego – Univ. Washington, Univ. Nairobi
- 9:15-9:30 FP HIV SCALE update and categorization of year 1 micro-interventions – Martha Oguna, Habiba Safari - Univ. Washington, Univ. Nairobi
- 9:30-9:45 Integrating long-acting PrEP into antenatal care settings for pregnant and postpartum Kenyan women: An implementation science approach to identifying determinants and strategies for service delivery – Mary Marwa – KNH, Univ. Washington
- 9:45-10:00 Perinatal depression, maternal engagement, and child social-emotional development in Kenya - Bilhah Aomo – KNH, Univ. Washington
- 10:00-10:15 Assessment of outcomes in women living with HIV(WLWH) undergoing screen-and-treat for precancerous cervical lesions in Likoni Sub County, Mombasa: A mixed method study – Monica Ogetange - Mombasa County
- 10:15-10:30 Cost of implementing the Systems Analysis and Improvement Approach to increase cervical cancer screening in family planning clinics in Mombasa County, Kenya: a micro-costing study – George Wanje – Univ. Washington
- 10:30 - 11:00 TEA/COFFEE**
- 11:00-11:15 Unlocking access: The barriers and facilitators of offering cervical cancer services among women of screening age in Kenya- Qualitative study. – Loise Joseph – Univ. Nairobi
- 11:15-11:30 A mixed-methods assessment of individual and clinic-level factors associated with uptake of cervical cancer screening services (CCS) in family planning (FP) clinics in Mombasa County, Kenya – Brenda Oyaro – Univ. Washington
- 11:30-11:45 Feasibility of self-administered intravaginal artesunate pessaries for cervical precancer treatment among women in Kenya: Preliminary results from a Phase I trial – Chemtai Mungo – Univ. N. Carolina, Maseno Univ.
- 11:45-12:00 Characterization of the vaginal microbiome and its impact on treatment response following a self-administered topical therapy for cervical precancer among Kenyan women – Chemtai Mungo - Univ. N. Carolina, Maseno Univ.
- 12:00-12:15 The impact of vaginal washing on cervical inflammation: rationale and study design of a randomized controlled trial of vaginal washing cessation – Salwa Omar – Univ. Washington
- 12:15-12:30 User experiences with a mobile health family planning decision aid for women of reproductive age living with HIV in Kenya – June Moraa – KNH, Univ. Washington
- 12:30-12:45 “We first have to agree”: A Qualitative Analysis of Power Dynamics in Childbearing among HIV Sero-Different Couples along Lake Victoria, Kisumu - Sarah Gutin – UCSF
- 12:45-1:00 Assessing the approach to perinatal mental health screening and treatment in maternal-child health clinics in Western Kenya. – Asterico Adera, KNH / KEMRI / Univ. Washington
- 1:00 – 2:30 Poster Session**
- 1:00 – 2:00 Lunch**

Session XIX: Adolescents and Young People

Co-Chairs: Craig Cohen, Frederick Otieno

- 2:00-2:15 Examining the genital immune cell milieu in a cohort of adolescent girls and young women in Uganda: preliminary findings - Aloysious Ssemaganda - Uganda Virus Research Institute, Univ Manitoba
- 2:15-2:30 Evaluation of depressive symptoms, HIV vulnerability, and oral PrEP uptake and adherence among adolescent girls and young women in Western Kenya: a cross-sectional study – Dismas Ouma – ICRH
- 2:30-2:45 Exploring Pay-it-Forward Initiatives for HIV care and retention among adolescent and young adults living with HIV (AYAH) in Kenya. – Harriet Adhiambo - KEMRI Kisumu
- 2:45-3:00 “I honor all my clinic visits because the money is motivating.” An examination of youth experiences with conditional cash transfers in the Adapt for Adolescents (A4A) trial in western Kenya. – Dorothy Mangale, Uganda Virus Research Inst
- 3:00-3:15 Characterizing psychosocial well-being, depression, and anxiety symptoms among adolescents living with HIV in Western Kenya. – Irene Orenyo – KEMRI
- 3:15-3:30 Prevalence and correlates of depression and anxiety among adolescents and young adults living with HIV in Western Kenya: social support, violence, drug use, and stigma as key determinants – Sarah Hicks – Univ. Washington
- 3:30-3:45 TEA/COFFEE**
- 3:45-4:00 Contraceptive method mix and PrEP choice among young women seeking contraception at retail pharmacies in Kenya. – Cyprian Otachi – KEMRI-RCTP
- 4:00-4:15 “I must be asked because it is mine”: Determinants of decision-making power among adolescent girls and young women in Kisumu County – Gerald Owuor – IRDO, UCSF
- 4:15-4:30 Emergency contraception use among adolescent girls and young women seeking sexual and reproductive health services at retail pharmacies in Kenya – Pinkley Opiyo – KEMRI
- 4:30-4:45 Enhancing HIV disclosure rates among adolescents through Continuous Quality Improvement (CQI) Approach at Kisumu County Referral Hospital, Kenya – Dorothy Oketch – MoH
- 4:45 – 5:00 **CLOSING CEREMONY**

POSTERS – WEDNESDAY MIDDAY - FRIDAY

Enabling adherence to treatment (EAT): A pilot study of a combination intervention including modified directly observed therapy to improve HIV treatment outcomes among street-connected individuals in western Kenya – Monica Nyamburah - AMPATH

The impact of randomization on participants’ experiences in the Inducing Immune Quiescence study. – Tabitha Kimotho – PHDA, Univ. Manitoba

Conducting clinical research: Lessons for scientists from community engagement experiences in the inducing immune quiescence study – Anne Mahero - PHDA, Univ. Manitoba

The Cross Subtype Intact Proviral DNA Assay detects 97% of proviruses from diverse HIV clades – Dara Lehman - Fred Hutchinson Cancer Research Center, Univ. Washington

Shamba Maisha updates: two planned randomized controlled trials of a climate-smart livelihood agricultural intervention on the 1) reproductive and sexual health of adolescent girls and 2) maternal and newborn health and nutrition – Elly Obwato - KEMRI-RTCP

Optimising clinical trial laboratory – a hybrid approach using DAIDS GCLP and ISO 15189 standards to reduce errors – Joseph Gichuru – KEMRI-CCR, PHRD, Univ. Washington

Pwani Research Centre Clinical Trials update: COVID-19 vaccine, TB vaccine, and Chlamydia treatment – Festus Rao, Mwanajuma Ngama, Univ. Washington

Prioritizing barriers and implementation strategies to integrated perinatal mental healthcare in maternal-child-health clinics in western Kenya: a survey among healthcare workers – Nancy Ngumbau, KNH

Relationship dynamics among HIV-affected fisherfolk couples who desire childbearing in western Kenya – Sarah Gutin, UCSF

Examining the associations between HIV related Stigma and mental health among Pregnant and Postpartum Women Living with HIV (PPWLHIV) in Kisumu, Kenya - Mercelline Ogolla-Onyando, KEMRI-RCTP

Magnitude of anaemia among moderately malnourished HIV seropositive adults on care at Chulaimbo County Hospital and Nyahera Sub-County Hospital, Kisumu County – Lucia Mutwika, Maseno Univ.

The association between viral load and stress in pregnant and postpartum women living with HIV: A cross-sectional study – Eric Ndenga, Maseno Univ.

Utilization of electronic health records (EHRs) towards determining association between social determinants (SDoH) and health treatment among PLHIV on ART: Cross-sectional study of Siaya County, Western Kenya. – Dan Muchi – Univ. North Carolina

Knowledge and preferences for safer conception methods among sero-different fisherfolk couples in Kisumu, Kenya: A qualitative analysis - Sarah Gutin, UCSF

A comparative analysis of sexual risk context of young men in intergenerational sexual relationships in Kisumu, Western Kenya – Ivy Obare, IRDO

Empowerment among adolescent girls and young women seeking contraception at retail pharmacies in Kenya – Helen Aketch, KEMRI-RCTP

Challenges in recruitment and retention of adolescents living with HIV in the East Africa Point of Care (EAPoC) Viral Load Study in Kisumu County – Francis Angira, KEMRI

Determinants of Successful ART Outcomes in Children and Adolescents in Kenya, 2021-2023 - Wenwen Jiang – Univ. Washington