

TUESDAY, 29 May

08:00 AM Registration desk open, walk in coffee & tea

09:00 AM **Welcome from the Conference Co-chairs**
Sabin Nsanzimana, MD, MSc, PhD(c)
Rwanda Biomedical Center, Rwanda
Catherine Hankins, MD, PhD, FRCP, CM
Amsterdam Institute for Global Health and Development, The Netherlands / Canada
Elly Katabira, MD, FRCP
Makerere University College of Health Sciences, Uganda

Official Opening Session

Chairs: Elly Katabira, Uganda & Sabin Nsanzimana, Rwanda

9:10 AM **Welcome to Kigali**
Mayor of the City of Kigali
Rwanda

9:25 AM **Welcome to Rwanda**
Honourable Minister of Health - Diane Gashumba, MD, MMed
Rwanda

9:40 AM **Current status of HIV in Rwanda**
Jeanine Condo, MD, PhD
Rwanda Biomedical Center, Rwanda

9:55 AM **Community perspective on progress in Rwanda**
Geraldine Umutesi, BSc
Imbutu Foundation, Rwanda

10:10 AM **The Road to 90-90-90: Progress in HIV prevention and treatment scale-up in sub-Saharan Africa**
Karusa Kiragu, PhD
UNAIDS Country Director, Uganda

10:30 AM Refreshment break and poster viewing

Session I Susceptibility to HIV and novel HIV prevention technologies
Chairs: Elizabeth Bukusi, Kenya & François Venter, South Africa

11:00 AM **HIV risk in young women: vaginal microbiome, inflammatory cytokines, and structural and behavioural determinants**
Heather Jaspan, MD, PhD
Seattle Children's Research Institute / University of Cape Town, USA / South Africa

11:25 AM **Oral pre-exposure prophylaxis**
Nelly Mugo, MD, MBCh, MMed, MPH
Kenya Medical Research Institute, Kenya

11:50 AM **Novel HIV prevention methods for women**
Nyaradzo Mgodzi, MBChB, MMed
University of Zimbabwe, Zimbabwe

12:15 PM **Audience Q&A, and general discussion**





TUESDAY, 29 May

12:30 PM Lunch and early-career investigator meet-the-expert lunch tables

Oral Abstract presentations I:

Chairs: Anna Laura Ross, Switzerland & Sam Phiri, Malawi

1:30 PM	Facility-based HIV self-testing for outpatients dramatically increases HIV testing in Malawi: a cluster randomized trial	Frackson Nuka Shaba, Malawi	#1
1:45 PM	Equity not equality of services: Case of HIV Differentiated Service Delivery Model (DSDM) in Rwanda	Muhayimpundu Ribakare, Rwanda	#2
2:00 PM	PrEP uptake among pregnant and postpartum women: results from a large implementation program within routine maternal child health (MCH) clinics in Kenya	John Kinuthia, Kenya	#3
2:15 PM	Leave no stone unturned: multiple structural response for KP programming in Swaziland	Bhekizitha Sithole, Swaziland	#4

Session II Implications for HIV prevention and treatment of projected demographic shifts in Africa

Chair: Catherine Hankins, The Netherlands / Canada

2:30 PM **At the precipice: demographics and the risk of losing control of the HIV epidemic**
Mark Dybul, MD

Georgetown University / Joep Lange Institute, USA

2:55 PM **Audience Q&A**

3:00 PM Conference Photo

3:15 PM Refreshment break and poster viewing

Symposium I IAS: Comprehensive service delivery for key populations

Chair: James Hakim, Zimbabwe

3:45 PM **Opening and introduction**
James Hakim, MBChB, MMed, FRCP, FCP, DSc(HC)
Zimbabwe

3:47 PM **HIV and HCV in key populations: Epidemiology and normative guidance**
Nathan Ford, MPH, PhD, FRCPE
Switzerland

3:52 PM **Providing clinical services to key populations: Case examples**

Providing PrEP and PEP to men who have sex with men in South Africa
Linda-Gail Bekker, MBChB, DTMH, DCH, FCP (SA), PhD
South Africa

Addressing the needs of people who inject drugs (including harm reduction as well as HIV and HCV care) in Tanzania
Mwajuma Mussa Mwiumbo
Tanzania

Providing sexual and reproductive health services to female sex workers in Rwanda
Sabin Nsanzimana, MD, MSc, PhD(c)
Rwanda





Providing voluntary counselling and testing services to transgender people in Kenya

Wanjiru Mukoma, PhD

Kenya

4:32 PM **Open floor discussion**
James Hakim, MBChB, MMed, FRCP, FCP, DSc(HC)
Zimbabwe

4:42 PM **Summary and closing**
James Hakim, MBChB, MMed, FRCP, FCP, DSc(HC)
Zimbabwe

Opening Day Formal Debat **Resolved: It is the responsibility of research funding organizations and researchers to ensure access, uptake, and adherence to free, onsite oral HIV pre-exposure prophylaxis as the standard of care for all participants at risk for HIV infection in all HIV prevention clinical trials.**
Chair: Peter Kilmarx, USA

4:45 PM **Opening Words**
Peter Kilmarx, MD, FACP, FIDSA
Fogarty International Center NIH, USA

4:50 PM **First Speaker for the proposition**
Helen Rees, MD, MA, MRCGP
Wits Reproductive Health and HIV Institute, South Africa

4:57 PM **First Speaker against the proposition**
Linda-Gail Bekker, MBChB, DTMH, DCH, FCP (SA), PhD
South African Medical Research Council, South Africa

5:04 PM **Debate from the floor**

5:30 PM **Second Speaker for the proposition**
Imelda Mahaka, BSc, MA(c)
Pangaea Global Aids Foundation, Zimbabwe

5:34 PM **Second Speaker against the proposition**
Jacqueline Wambui Mwangi
AfroCAB, Kenya

5:38 PM **Rebuttal (each first speaker 2 minutes)**

5:42 PM **Voting**

5:45 PM Opening reception





WEDNESDAY, 30 May

7.00 AM Parallel early morning sessions: grantspersonship, mentoring, and themed poster discussions

Session III Update on HIV vaccines and the promise of a cure Chairs: Pierre-Marie Girard, France & Guido Ferrari, USA

8:00 AM **HIV vaccine pipeline and progress**
Linda-Gail Bekker, MBChB, DTMH, DCH, FCP (SA), PhD
South African Medical Research Council, South Africa

8:25 AM **Audience Q&A**

8:30 AM **HIV cure: current status and implications for the future**
Carolyn Williamson, PhD
University of Cape Town / National Health Laboratory Service, South Africa

8:55 AM **Audience Q&A**

Mini-Oral Abstract presentations I: Chairs: Helen Rees, South Africa & Chewe Luo, USA

9:00 AM	Delivering a high-quality comprehensive package of HIV prevention, care, and treatment for key populations is possible: Experience from two years of the FHI 360 LINKAGES Malawi project	Gift Kamanga, Malawi	#9
9:06 AM	Clients of Female Sex Workers: Recruitment and HIV prevalence in Rwanda	Alaxandra Hoagland, Rwanda	#10
9:12 AM	Post-Exposure Prophylaxis and Ongoing HIV Risk in Rwanda: Potential for PEP-to-PrEP Transition Programs	Lisa A. Mills, Uganda	#11
9:18 AM	Who wants PrEP? Baseline characteristics of clients initiating PrEP when offered to the general population in Swaziland	Anita Hetteema, Swaziland	#12
9:24 AM	Rwanda's Reduction of HIV Vulnerability Among Women through Integrating Female Empowerment Strategy into National, Cross-Sector Law and Policy	Elise Mutunge, Rwanda	#13
9:30 AM	Partner-delivered HIV self-testing increases the perceived acceptability of index partner testing among HIV-positive clients in Malawi	Ogechukwu Agatha Offorjebe, Malawi	#14
9:36 AM	Increasing Male Partners Involvement in PMTCT Services in Zanzibar, United Republic of Tanzania	Frida Godfrey, Tanzania	#15
9:42 AM	HIV treatment outcomes among female sex workers and men who have sex with men in Cameroon Potential for PEP-to-PrEP Transition Programs	Anna Bowring, Cameroon	#16
9:48 AM	The Sex Worker Virtual Currency: Incentivizing Peer Educators to Expand Peer Mobilization among Female Sex Workers in Kisumu County, Kenya	Wycliff Odera, Kenya	#17
9:54 AM	Characterizing the Influence of Structural Determinants of Risk on Consistent Condom Use among female sex workers in Senegal	Jean Olivier Twahirwa Rwema, Rwanda	#18





WEDNESDAY, 30 May

10.00 AM	Refreshment break and poster viewing
Symposium II	Gilead: The Next Era of HIV & Comorbidities: Ageing and Going Beyond HIV Disease Management <i>Chair: Andrew Kambugu, Uganda</i>
10:30 AM	Symposium Introduction: Objective and Goals Andrew Kambugu, MBChB, MMed, FRCP Uganda
10:35 AM	Epidemiology: Overview of HIV and Ageing: Focus on the female patient: Renal and Bone effect Mas Chaponda, MBBS, PhD, FRCP & DipHIV United Kingdom
10:50 AM	Interactive Session: Case Study Andrew Kambugu, MBChB, MMed, FRCP Uganda
11:10 AM	Focus on other comorbidities and Drug-Drug Interactions with HAART Mas Chaponda, MBBS, PhD, FRCP & DipHIV United Kingdom
11:20 AM	Interactive Session: Case Study Mas Chaponda, MBBS, PhD, FRCP & DipHIV United Kingdom
11:35 AM	Overview of HIV and ageing in Africa: Uganda experience Andrew Kambugu, MBChB, MMed, FRCP Uganda
11:45 AM	Multi drug effects, traditional factors and herbal inclusion: Interactive Case Study: Ageing African patient – Comorbidities and HAART Andrew Kambugu, MBChB, MMed, FRCP Uganda
11:50 AM	Q&A and Discussions
11:58 AM	Summary and Close
12.00 PM	Lunch and early-career investigator meet-the-expert lunch tables
Symposium III	Johnson & Johnson: Optimizing Treatment Outcomes for Youths Living with HIV in Sub-Saharan Africa <i>Chair: Victor Musiime, Uganda</i>
1:30 PM	Welcome and Introduction Victor Musiime, MBChB, MMed, PhD Uganda
1:35 PM	Clinical perspectives – experiences and challenges in care for youths living with HIV Muhayimpundu Ribakare, MD, MSc Rwanda





WEDNESDAY, 30 May

- 1:50 PM **Fresh perspectives – the youth experience of living with HIV**
Maitia Matee
 Lesotho
- 2:05 PM **Nothing for us, without us! Providing holistic youth-responsive HIV care in resource-limited settings**
Elona Toska, MD
 South Africa
- 2:20 PM **Bridging perspectives – how youth insights can be used to optimize treatment outcomes**
All speakers and youth advocates
- 2:45 PM **Questions from the audience**
- 2:55 PM **Summary and close**
Victor Musiime, MBChB, MMed, PhD
 Uganda

3:00 PM Refreshment break and poster viewing

Session III **Factors influencing progress towards 90-90-90 across Africa** *Chairs: Linda-Gail Bekker, South Africa & Serge Eholié, Cote d'Ivoire*

- 3:30 PM **HIV Testing (including early infant diagnosis)**
Susan Allen, MD, MPH
 Emory University / Rwanda Zambia HIV Research Group, USA
- 3:55 PM **Antiretroviral treatment initiation and retention**
Nathan Ford, MPH, PhD, FRCPE
 World Health Organization, Switzerland
- 4:20 PM **Improving access to and utilization of viral load testing for better patient management**
Pascale Ondo, MD, MSc, PhD
 African Society for Laboratory Medicine, The Netherlands
- 4:45 PM **Panel discussion, audience Q&A, and general discussion**

Mini-Oral Abstract presentations II

Chairs: Stephen Watiti, Uganda & Sabine Hermans, The Netherlands

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|---------|--|---------------------------------|-----|
| 5:00 PM | Trends in HIV prevalence among adolescents and adults accessing HIV testing services in four regions in Kenya between 2012 and 2017 | Julie Ambia, Kenya | #19 |
| 5:06 PM | Adolescent HIV services: Implementing universal antiretroviral treatment for 10-19 year olds living with HIV in eight African countries | Thabiso Lekhotsa, Lesotho | #20 |
| 5:12 PM | Reaching 90-90-90 targets amongst adolescents and young people in South Africa: A model of integrated adolescent care | Catherine Martin, South Africa | #21 |
| 5:18 PM | Differentiated Service Delivery to HIV infected children and young adults in rural Zimbabwe - a role for near point-of-care diagnostic testing | Vinie Kwoyang Kouamou, Zimbabwe | #22 |
| 5:24 PM | Progress Towards the 90-90-90 Targets among HIV-infected Pregnant Mothers: Experience from Uganda | Simon Muhumuza, Uganda | #23 |



THURSDAY 31 May

7:00 AM Parallel early morning sessions: grantspersonship, mentoring, and themed poster discussions

Session V Co-infections

Chairs: Kumar Kumarasamy, India & Frank Cobelens, The Netherlands

8:00 AM **Tuberculosis epidemiology and prospects for control**

Jeremiah Chakaya Muhwa, MD

Kenya Medical Research Institute, Kenya

8:25 AM **Contrasting cultures of TB and HIV**

Nesri Padayatchi, MBChB, DCH, DTM&H, DPH, DHSM, MS, PhD

Centre for the AIDS Programme of Research in South Africa, South Africa

8:50 AM **Hepatitis elimination in SSA: what will it take?**

Ganiyat Oyeleke, MD

Lagos University Teaching Hospital, Nigeria

9:15 AM **Panel discussion, audience Q&A, and general discussion**

Symposium IV **AbbVie: The Role of Clinical Mentorship in improving Standards of HIV Care in Resource-Limited Settings**

Chair: Albert Mwango, Zambia

9:30 AM **Opening remarks & Introduction of Speakers**

Albert Mwango, BScHB, MBChB, MPH

Zambia

9:35 AM **Perspective from Zambia**

Lloyd Mulenga, BScHb, MBChB, MMed, MScID, PhD

Zambia

9:50 AM **Perspective from Kenya**

Maureen Kimani, BScHB, MBChB, MSc

Kenya

10:05 AM **Perspective from Nigeria**

Joseph Enegeta, MBBS, PGDGID, FRSPH, AAHIVS, PMDPro2

Nigeria

10:20 AM **Discussion & Closing**

Albert Mwango, BScHB, MBChB, MPH

Zambia

10:30 AM Refreshment break and poster viewing

Symposium V **GSK/ViiV: Holistic HIV Management: Putting patients first when selecting an ideal treatment**

Chair: Sibongile Kubheka, South Africa

11:00 AM **Welcome and Introduction:**

Sibongile Kubheka, MD, MPharmMed

South Africa





THURSDAY 31 May

- 11:05 AM **HIV Treatment Expectations: Efficacy, Tolerability, Resistance, Safety, Convenience**
Sibongile Kubheka, MD, MPharmMed
South Africa
- 11:20 AM **HIV/TB Coinfection and DTG in Second Line Treatment: INSPIRING and DAWNING Studies**
Corklin Steinhart, MD, PhD
USA
- 11:50 AM **Prevalence of HLA B5701 in a Kenyan population with HIV infection**
Reena Shah, MBBS, MRCP, MScID, FRCPE
Kenya
- 12:10 PM **Q&A**
- 12:30 PM Lunch and early-career investigator meet-the-expert lunch tables

Mini-Oral Abstract presentations III

Chairs: Andrew Kambugu, Uganda & Godelieve de Bree, The Netherlands

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|---------|--|-----------------------------------|-----|
| 1:30 PM | Incidence and progression of echocardiographic abnormalities in HIV-infected older children and adolescents taking antiretroviral therapy: A prospective | Edith Majonga,
United Kingdom | #24 |
| 1:36 PM | Gender-related roles and behaviours impact on adherence to antiretroviral among HIV+ youth | Charles Ingabire,
Rwanda | #25 |
| 1:42 PM | Long term outcome of first-line antiretroviral treatment among HIV infected children in Uganda | Minke Huibers,
The Netherlands | #26 |
| 1:48 PM | Pregnancy outcomes in women on contraceptives and established antiretroviral therapy in Malawi | Wongani Nyangulu,
Malawi | #27 |
| 1:54 PM | Prevalence and correlates of depression among HIV positive patients on Highly Active Antiretroviral Therapy at a Kenyan referral hospital | George Mugendi,
Kenya | #28 |

Session VI Mentoring the next generation of African scientists

Chairs: Jeanne Kagwiza, Rwanda & Roger Glass, USA

- 2:00 PM **Welcome from the co-chairs**
- 2:05 PM **Frederick Kateera, MD, PhD**
Partners In Health, Rwanda
- 2:13 PM **Elizabeth Bukusi, MBChB, MMed, MPH, PhD, PGD, MBE**
Kenya Medical Research Institute, Kenya
- 2:21 PM **Jean N. Utumatwishima, MD, MPH**
Ruhengeri Referral Hospital, Rwanda





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2:26 PM **Annette Uwineza, MD, PhD**
University of Rwanda, Rwanda

2:31 PM **Discussion**

3:00 PM Refreshment break and poster viewing

Oral Abstract presentations II

Chairs: Linda-Gail Bekker, South Africa & James Hakim, Zimbabwe

3:30 PM	Pilot implementation of point of care early infant hiv diagnosis in Kenya	Collins Odhiambo, Kenya	#5
3:45 PM	A cross-country unit cost analysis of community-based HIV self-test kit distribution in Malawi, Zambia and Zimbabwe	Collin Mangenah, Zimbabwe	#6
4:00 PM	Secondary distribution of HIV self-tests as a way to promote HIV testing among male partners of young women: subgroup analysis from a randomized trial	Kawango Agot, Kenya	#7
4:15 PM	School health nursing programme for adolescents	Nadia Ahmed, South Africa	#8

Session VII Ending AIDS in Rwanda – political and financial considerations

Chair: Peter Kilmarx, USA

4:30 PM **Welcome from the chair**

4:35 PM **Patrick Ndimubanzi, Honourable Minister of Public Health and Primary Health Care**
Rwanda

4:50 PM **Jean-Marie Vianney Gatabazi, Governor Northern Province of Rwanda**
Rwanda

4:55 PM **Sage Semafara**
Rwanda

5:00 PM **Panel discussion led by chair**

5:10 PM **Audience Q&A**





FRIDAY 1 JUNE

7.00 AM Parallel early morning sessions: grantspersonship, mentoring, and themed poster discussions

Session VIII **Implementation science and Integrated strategies: What success looks like**
Chairs: Elly Katabira, Uganda & Timothy Mastro, USA

8:00 AM **Implementation science methods and approaches to introduction of novel tools and programmes**
Nicolette Naidoo, MPH, PhD(c)
Wits Reproductive Health and HIV Institute, South Africa

8:25 AM **Mathematical modelling and prioritisation strategies for cost-effective voluntary medical male circumcision in Africa**
Emmanuel Njeuhmeli, MD, MPH, MBA
USAID, Swaziland

8:50 AM **Q&A, and general discussion**

Symposium VI **Roche: Technology Interventions will end the HIV Epidemic in Africa**
Experienced key opinion leaders in the implementation of health technologies in Africa
9:00 AM

10.00 AM Refreshment break and poster viewing

Symposium VII **Joep Lange Institute: Digital mobile opportunities for personalized healthcare in Africa**
Chair: Tobias Rinke de Wit, The Netherlands

10:30 AM **Cell phone use and digital opportunities for personalized healthcare in Africa**
Tobias Rinke de Wit, PhD
The Netherlands

10:35 AM **Smartphone enhanced mobile application for cervical cancer screening**
Zac Mtema, PhD
Tanzania

10:47 AM **Q&A**

10:50 AM **Digital bi-directional patient support systems to support ART adherence and MNCH**
Binyam Tilahun, PhD
Ethiopia

11:02 AM **Q&A**

11:05 AM **Connecting mobile diagnostics of febrile diseases to digital payment systems in Kenya**
Doriane Nzorubara, MSc
Kenya

11:17 AM **Q&A**

11:20 AM **Plenary discussion**





FRIDAY 1 JUNE

Mini-Oral Abstract presentations IV:

Chair: Sabin Nsanzimana, Rwanda & Catherine Hankins, The Netherlands / Canada

11:30 AM	Pre-Exposure Prophylaxis in Zambia: Policy Engagement and Initial Implementation	Linah Mwango, Zambia	#29
11:36 AM	Leveraging on existing National HIV Commodity Supply Chain System to Scale up Oral Pre-Exposure Prophylaxis (PrEP) in Kenya	Micah Anyona, Kenya	#30
11:42 AM	Acceptability of Infant Circumcision Among Top Ten Traditionally Circumcising Communities in Kenya: Variations in Views by Age and Sex of Respondents	Marylyn Ochillo, Kenya	#31
11:48 AM	Phylogenetics of HIV in East Africa: characterizing genetically related sequences with drug resistance mutations in the Cross-Border Integrated Health Study, 2016	Arti Virkud, USA	#32
11:54 AM	Viral Load Suppression trends in Kenya from January to December 2017	Fredrick Ogumbo, Kenya	#33
12:00 PM	Routine Viral Load measurement in children living in hard to reach areas in 3 rural districts in Zimbabwe; review of feasibility and outcomes	Cordelia Kunzekwenyika, Zimbabwe	#34
12:06 PM	Impact of weekly SMS reminder on quality of Life and adherence among HIV/AIDS patients on ART in Rural Botswana, Prospective Cohort Study	Lamboly Kumboneki, Botswana	#35
12:12 PM	Exploring high-yield approach to HIV testing in Kenya: contact notification services Circumcising Communities in Kenya: Variations in Views by Age and Sex of Respondents	George Kituku Kitheka, Kenya	#36
12:18 PM	Implementation of HIV Rapid Testing Quality Improvement Initiative (RTQII) in 14 Scale Up LGAs in Nigeria	Timothy Nathaniel Yakubu, Nigeria	#37
12:24 PM	Cost-effectiveness of ACTA trial induction treatments for cryptococcal meningitis versus 2 weeks of amphotericin plus FLU or 5FC 2017	Lawrence Mwenge, Zambia	#38





FRIDAY 1 JUNE

12:30 PM **Presentation of the Joep Lange award to the highest scoring abstract by an early-career African scientist**

12:40 PM **Reflections by the Chairs of the 12th INTEREST Conference**
Sabin Nsanzimana, MD, MSc, PhD(c)
Rwanda Biomedical Center, Rwanda
Catherine Hankins, MD, PhD, FRCP, CM
Amsterdam Institute for Global Health and Development, The Netherlands/ Canada
Elly Katabira, MD, FRCP
Makerere University College of Health Sciences, Uganda

12:50 PM Closure of the Conference

1.00 PM Lunch

