

Curriculum Vitae

Ivan Segawa, BSc (Pharmacy), MSc (Clinical Epidemiology and Biostatistics)

Email: ivansegy@gmail.com | Phone: +256 (0) 775 633 955 | Kampala, Uganda

1. PERSONAL PROFILE

A highly motivated early-career pharmacist-researcher and epidemiologist with extensive experience in implementation science, infectious diseases research, and public health program delivery in sub-Saharan Africa. He has authored 28 peer-reviewed publications. He is a UW/Fred Hutch CFAR Mentored International Investigator Awardee, a Gilead Research Global Public Health Scholar, and a former NIH Fogarty Global Health Fellow. His research focuses on optimizing service delivery models through implementation science and advanced epidemiologic methods. He is committed to producing impactful, policy-relevant public health research and currently seeks opportunities for advanced training in global health and epidemiology.

2. EDUCATION

Master of Science in Clinical Epidemiology and Biostatistics (CGPA 4.71/5) 2019 - 2022

Makerere University, College of Health Sciences, PO Box 7072, Kampala, Uganda

- Thesis: "HIV risk and factors associated with use of novel prevention interventions among female students at Makerere University."

Bachelor of Pharmacy (CGPA 4.27/5)

2010 - 2015

Makerere University, College of Health Sciences, PO Box 7072, Kampala, Uganda

3. MEMBERSHIPS, APPOINTMENTS, AND HONORS

- Member, International AIDS Society (IAS) (2024 – Present)
- Member, University of Washington/ Fred Hutchison Cancer Center (UW/ Fred Hutch) Center for AIDS Research (CFAR) (2024 – Present)
- Site Coordinator/Facilitator, Fundamentals of Implementation Science Online Course, University of Washington (2023 – 2025)
- Member, CFAR Adolescent and Young Adult International Working Group, Johns Hopkins University (2023 – 2024)
- Member, PrEP Technical Working Group, Ministry of Health, Uganda (2022)
- Member, CFAR East and South Africa Early-Stage Investigator Group, University of Washington (2021 – 2023)
- Postdoc Fellow, North Pacific Global Health (NPGH) Research Fellows Training Program, Fogarty International Center (FIC) (2021 – 2022)
- Volunteer, Health Interventions Tracking for COVID-19 (HIT-COVID), Johns Hopkins Bloomberg School of Public Health (2020)
- Top 3 Finalist for Pharmacist of the Year, Heroes in Health Awards, Uganda (2020)

4. ACADEMIC AND WORK EXPERIENCE

Consultant, CATALYST PRO project

Mar 2026 – Present

Root to Rise, 205 Cobble Ridge Dr, Chapel Hill, North Carolina 27516, USA

- Support implementation science analyses and dissemination activities for the multi-country CATALYST study focused on HIV prevention product choice and differentiated PrEP delivery.
- Lead and contribute to Uganda-specific and cross-country analyses on PrEP use, CAB-LA uptake, contraceptive trajectories, and decision-making in the context of HIV prevention product choice.
- Develop scientific abstracts, peer-reviewed manuscripts, technical presentations, and evidence summaries for global conferences and policy-oriented dissemination activities.
- Contribute to stakeholder engagement and dissemination activities with national, community, and research stakeholders in Uganda and across collaborating countries.
- Support translation of implementation research findings into programmatic and policy-relevant recommendations to inform introduction and scale-up of novel HIV prevention methods.
- Collaborate with multidisciplinary and international research teams through regular technical working meetings, data review processes, and strategic planning discussions.

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Project Officer, Vaccines and Medical Counter Measures (MCM)

Aug 2025 – Present

Global Health Security Department, Infectious Diseases Institute, Kampala, Uganda (40 hours/week)

- Support Mpox and Ebola response in collaboration with the Ministry of Health and global partners.
- Lead pharmacovigilance system rollout for vaccine safety monitoring and analysis.
- Contribute to national guidelines, SOPs, and training materials for emergency preparedness.
- Coordinate regulatory submissions, technical working groups, and stakeholder engagements.
- Lead knowledge management by documenting lessons learned and translating evidence into policy briefs and technical reports.

MOSAIC/CATALYST Uganda Study Coordinator/Quality Improvement (QI) Advisor

FHI 360 Uganda, Kampala (40 hours/week)

Oct 2022 – Mar 2025

Maximizing Options to Advance Informed Choice for HIV Prevention (MOSAIC) was a seven-year (2021-2028) global project funded by PEPFAR through USAID (7200AA21CA00011, PD: Torjesen) to help adolescent girls and young women and other women prevent HIV by accelerating the introduction and scale-up of new and emerging biomedical prevention products (monthly dapivirine ring and two-monthly injectable cabotegravir). The CATALYST (Catalyzing Access to New Prevention Products to Stop HIV) study was MOSAIC's flagship product introduction study conducted in Kenya, Zimbabwe, Lesotho, Uganda, and South Africa to characterize the real-world implementation of PrEP choice. This mixed-methods implementation study included sub-studies on HIV testing algorithms for cabotegravir, prevention-effective use, costing, and community acceptance (qualitative) sub-studies. Other affiliated studies included the national HIV drug resistance and the MATRIX-007/ CARE PrEP study for pregnant people (7200AA22CA00002). My roles and achievements included:

- Coordinated a collaborative team of 30+ investigators and field staff across 7 public health facilities.
- Secured national and institutional IRB approvals and developed study tools in seven local languages.
- Trained 14 field and 97 facility staff on PrEP products and study protocols.
- Oversaw recruitment and follow-up of >1,000 participants, achieving high retention.
- Organized three QI learning sessions and disseminated findings to stakeholders.
- Co-authored 5 conference abstracts and 2 manuscripts, advancing evidence on PrEP delivery.

Clinical Research Pharmacist and Fellow

June 2017 – Oct 2022

Makerere University Lung Institute (MLI), PO Box 7749, Kampala, Uganda (40 hours/week)

MLI is a champion in innovative lung health research that integrates disease prevention, clinical care, and training in sub-Saharan Africa. It offers specialist clinical care for lung diseases, such as pneumonia, chronic obstructive pulmonary disease (COPD), and asthma through its clinic, implements clinical trials on infectious diseases, including tuberculosis (TB), COVID-19, and Ebola, and conducts air quality and lung health surveys. Notably, I was the pharmacist-of-record for the following studies: STREAM Stage 2 and TMC207-C211 Phase 2 (MDR-TB trials), PediCAP and EMPIRICAL (Pneumonia trials), Low-dose theophylline (COPD trial), and UBV-01N and TICO/INSIGHT 014/ACTIV-3 (COVID-19 trials).

- Co-led protocol development, ethics approvals, and study implementation.
- Designed study methods for an open-label COVID-19 trial and supported analysis.
- Co-authored 10 peer-reviewed manuscripts and contributed to grant proposals and scientific reports.
- Delivered presentations at journal clubs and training workshops.
- Served as custodian of investigational products, ensuring compliance with regulatory standards.
- Provided expert guidance to investigators on drug-related issues to optimize trial safety and quality.

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- Developed SOPs and study documents, and liaised with regulatory authorities, sponsors, and suppliers, maintaining oversight of pharmacy operations for all institute trials.

Volunteer Research Assistant

May – Jul 2020

Health Interventions Tracking for COVID-19 (HIT-COVID), Johns Hopkins Bloomberg School of Public Health

- Collected data on national COVID-19 public health interventions in the global HIT-COVID database.
- Tracked, coded, and verified policies on border closures, lockdowns, contact tracing, testing, and mask mandates, ensuring consistency with international reporting standards.
- Contributed to a multinational research collaboration and comparative analyses of policy responses.
- Strengthened skills in quality assurance, surveillance documentation, and global health policy mapping.

Consultant Pharmacist

January – May 2017

Luminco Consulting, Plot 579 Kira Road, Ntinda. PO Box 24264, Kampala.

- Designed and developed *PillFinder*, an Android mobile application to help patients locate pharmacies, verify registered medicines, and access information on insurance coverage.
- Collaborated with four of Uganda's largest pharmacy chains to onboard their inventories and contact information into the app's searchable database.
- Promoted digital health innovation by enhancing public access to accurate pharmacy and insurance data.

5. GRANTS, CONTRACTS, AND RESEARCH PROJECTS

InstaGirls: On-Demand HIV Self-Testing, PrEP, and PEP Delivery for Online Sex Workers in Uganda

Jan 2026 – Dec 2027

2025 Gilead Sciences Research Scholars Program in Global Public Health

Award Amount: \$100,000. Role: Sub Principal Investigator.

Trainee Support Grant (TSG) to present at the 13th IAS Conference on HIV Science in Kigali

May 2025

Abstract: High levels of autonomous decision-making among women receiving multi-method pre-exposure prophylaxis (PrEP) counseling through the CATALYST study in sub-Saharan Africa

UW/Fred Hutch CFAR. Award: P30 AI027757 (\$1,000 for HIV research career development)

Optimizing Community-pharmacy PrEP Delivery for Cisgender Female Sex Workers in Uganda

Jan 2025 – Dec 2026

University of Washington/Fred Hutchinson Cancer Research Center (UW/Fred Hutch) Center for AIDS Research (CFAR) Mentored International Investigator Award (MIIA)

Award Number: P30 AI027757 (\$40,000). Role: Sub Principal Investigator.

HIV Risk and Factors Associated with Use of Novel HIV Prevention Interventions

Aug 2021 – Aug 2022

Makerere University Research and Innovations Fund (MakRIF – Round 3)

Award Number: MAK/CH/02/21 (\$10,589). Role: Sub Principal Investigator

Nurse-led PrEP Delivery to Young Women Attending Family Planning Clinics in Uganda

July 2021 – June 2022

North Pacific Global Health Fellowship Program under the Fogarty International Program of the NIH

Award Number: D43TW009345 (\$10,000). Role: Sub Principal Investigator

Sensitivity Testing for the Most Prescribed Antibiotics in National Referral Hospitals in Uganda

Jan 2013 – Jan 2014

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MESAU MEPI/ Fogarty International. Award: 1R24TW008886 (\$ 3,000). Role: Sub-Principal Investigator

Community knowledge and attitudes towards indoor residual spraying for malaria control in Layibi division, Gulu
Jan 2013 – Jan 2014

MESAU MEPI/ Fogarty International. Award Number: 1R24TW008886 (\$ 3,000). Role: Co-Investigator

Adherence to Antiretroviral Standard Clinical Guidelines by Health Care Providers in five ART Centers in Uganda
Mar 2012 – Mar 2013

MESAU MEPI/ Fogarty International. Award Number: 1R24TW008886 (\$ 2,670). Role: Study Coordinator

6. CERTIFICATES, MEETINGS, AND SHORT COURSES

- Certificate of completion: Public Health Emergency Management Training. CDC Uganda. Feb 13, 2026
- Certificate of completion: Differentiated Service Delivery for HIV Treatment and Prevention. International AIDS Society. Completed: 30 Jun 2025.
- Qualitative Methods for Global Health Research (GH701.0), Fall 2024, Harvard University
- Certificate of appreciation: Site Facilitator for the Course on Fundamentals of Implementation Science offered through the University of Washington Department of Global Health, Dec 2023 and 2024
- Certificate of completion: Fundamentals of GIS and Spatial Analysis, 12-16 Aug 2024, IDI, Kampala.
- Certificate of completion: Policy Development and Advocacy, Dec 2022, University of Washington.
- Certificate of completion: Economic Evaluation in Global Health, Sep 2022, University of Washington.
- Certificate of participation: 1st Africa Patients Virtual Regional Meeting on 25 Aug, 2022
- Certificate of completion: Fundamentals of Global Health Research, June 2022, University of Washington.
- Certificate of completion: Fundamentals of Implementation Science, Dec 2021, University of Washington.
- Certificate of completion: Project Management in Global Health, Sep 2021, University of Washington.
- Certificate of completion: Research and Proposal Writing in the Sciences, 08 Sep – 02 Nov 2020, INSAP.
- Certificate of completion: Research Writing in the Sciences, 06 Jul – 17 Aug 2020, INSAP.
- Advanced level certificate: How to Recognize Plagiarism, Indiana University. Completed on 21 July 2020 (Unique test ID: 142716610511981178614376)

7. PUBLICATIONS AND RESEARCH OUTPUTS

ORCID iD: <https://orcid.org/0000-0002-4535-1694>.

Complete list of published work in My Bibliography (28 articles):

<https://www.ncbi.nlm.nih.gov/myncbi/ivan.segawa.1/bibliography/public/>

7.1 Selected Publications

- Akankwatsa D, Kesande M, **Segawa I**, Aniku G, Byonanebye D. A virtual One Health Community of practice in West Nile sub-region, Uganda: Implementation experience and participation trends. *One Health*. 2026 Jun 9;22:101471. doi: 10.1016/j.onehlt.2026.101471. PMID: 42318136; PMCID: PMC13273853.
- Nattimba JP, Bakeera-Kitaka S, **Segawa I**, *et al*. School absenteeism among children and adolescents aged 6-19 years with sickle cell disease in Uganda: A comparative cross-sectional study. *PLoS One*. 2026 May 29;21(5):e0350308. doi: 10.1371/journal.pone.0350308. PMID: 42213675; PMCID: PMC13221043.
- **Segawa I**, Wu L, Odoyo J, Mwangi M, *et al*. High adherence to oral daily PrEP in a real-world implementation project in Kenya: a brief communication. *AIDS Res Ther*. 2026 Mar 24;23(1):56. doi: 10.1186/s12981-026-00875-4. PMID: 41877166; PMCID: PMC13137526.
- **Segawa I**, Heffron R, Akello S, Nsubuga R, Bagaya M, Mujugira A. Nurse-Led Pre-Exposure Prophylaxis Delivery to Adolescent Girls and Young Women Accessing Family Planning Services: A Pilot Study in Uganda. *J Assoc Nurses AIDS Care*. 2026 Mar-Apr 01;37(2):203-213. doi: 10.1097/JNC.0000000000000623. Epub 2026 Jan 20. PMID: 41557259; PMCID: PMC12915555.

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- **Segawa I**, Bakeera-Kitaka S, Oriokot L, Ssebambulidde K, Muwonge TR, Ojiambo KO, Mujugira A. Correlates of HIV pre- and post-exposure prophylaxis uptake among female university students in Uganda. *Afr J AIDS Res*. 2025 Oct 1:1-8. doi: 10.2989/16085906.2025.2555200. PMID: 41031422.
- **Segawa I**, Bakeera-Kitaka S, Ssebambulidde K, Muwonge TR, Oriokot L, Ojiambo KO, Mujugira A. Factors associated with HIV self-testing among female university students in Uganda: a cross-sectional study. *AIDS Res Ther*. 2022 Dec 1;19(1):59. doi: 10.1186/s12981-022-00484-x. PMID: 36457098; PMCID: PMC9713199.

7.2 Submitted Manuscripts

- **Ivan Segawa**, Mark Conlon, Nicolette Naidoo, *et al.* Who switches and who stays when injectable PrEP becomes available? Results from CATALYST, an implementation study among women in sub-Saharan Africa. *JIAS* (Submission ID: eedde5ee-f463-431a-9870-958457e08c04, Manuscript ID: 1507133)
- **Ivan Segawa**, Haley Sisel, Catherine Kyampire, *et al.* "I feel like I am a winner:" High levels of autonomous decision-making among women receiving HIV pre-exposure prophylaxis (PrEP) choice counselling in sub-Saharan Africa. *AIDS and Behavior* (AIBE-D-26-00196)

7.3 Selected Conference Abstracts

- **I. Segawa**, *et al.*, "'I just made my own choice": Women's decision-making in the context of HIV PrEP choice in Eastern and Southern Africa". *AIDS 2026*, the 26th International AIDS Conference. Abstract 7236 (26-31 July 2026, Rio de Janeiro, Brazil)
- **I. Segawa**, *et al.*, High levels of autonomous decision-making among women receiving multi-method pre-exposure prophylaxis (PrEP) counseling through the CATALYST study in sub-Saharan Africa. *IAS 2025 Abstract 2078* (13th IAS Conference on HIV Science, 13-17 July 2025, Kigali, Rwanda)
- **I. Segawa**, *et al.* High levels of autonomous decision-making among women in sub-Saharan Africa receiving multi-method pre-exposure prophylaxis (PrEP) counseling through the CATALYST study. *INTEREST 2025 Abstract* (19th INTEREST Conference, 13-16 May 2025, Windhoek, Namibia)
- **I. Segawa**, *et al.* PrEP choice implementation in Africa: Early experiences of health facilities delivering informed choice of daily oral PrEP and the PrEP ring through the CATALYST study. e-Poster for the 5th HIVR4P Conference in Lira, Peru, Oct 6-10, 2024 (Abstract 1251).
- **Ivan Segawa**, *et al.* Launch of the Quality Improvement Collaborative for the CATALYST study. In-person oral and poster presentation at the 10th Annual National Healthcare Quality Improvement Conference in Entebbe, Uganda, Mar 12-24, 2024 (Abstract 317).

8. PEER REVIEW FOR JOURNALS

I periodically review articles submitted for peer review with the following journals:

- BMC Health Services Research (Springer Nature), Jan 2026
- Reproductive Health (Springer Nature), Dec 2025, Jan 2026, and Feb 2026
- Discover Public Health (Springer Nature), Oct 2025
- BMC Primary Care (Springer Nature), Apr 2025 and Mar 2026
- BMC Public Health (Springer Nature), Feb and Oct 2025
- BMC Infectious Diseases (Springer Nature), Feb 2025 and Dec 2024
- Scientific Reports (Springer Nature), Nov 2024
- BMJ Open (Cleveland Clinic), Nov 2023

9. STUDENT SUPPORT AND MENTORING

I actively support and mentor undergraduate and master's students in designing their research methods, analyzing and interpreting their data, and reviewing their study proposals and reports:

- Lynnth Turyagyenda, PhD (2026, Medicine, Makerere University). Dissertation: "Long-term Effects of Lipid-based Nutrient Supplements on Growth, Body Composition and Micronutrient Status among Previously Stunted Children in Eastern Uganda." Role: Analyst

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- Judith Agasha, MPH (2026, Public Health, Makerere University). Thesis: "Effectiveness & implementation barriers of point-of-care for early infant diagnosis of HIV at Mbarara HICIV." Role: Advisor/Analyst
- Peninah Juliane Nattimba, MMed (2025, Pediatrics and Child Health, Makerere University). Thesis: "School absenteeism among children and adolescents 6-19 years with sickle cell disease." Role: Advisor/Analyst
- Fiona Magololo Mutesi, MMed (2025, Medical Microbiology, Makerere University). Thesis: "Gut microbiome and recurrent UTIs among women living with HIV at TASO Mulago HIV Clinic." Role: Advisor/Analyst
- James W. Kuteesa, Florence Nampeera, and Janerose Namyalo, B.Pharm (2025, Pharmacy, Makerere University). Study: "Assessment of the level of awareness and attitudes towards long-acting injectable HIV prevention among adolescent girls and young women in Makerere University." Role: Supervisor
- Mary Phionah Namuyomba, MDS (2025, Dental Surgery, Moi University). Thesis: "Oral health status of hospitalized children and associated caries risk factors at Moi Hospital." Role: Advisor/Analyst

10. KEY COMPETENCIES

Technical skills: Epidemiologic methods (observational studies, randomized controlled trials, mixed-methods, and systematic reviews); data management (REDCap, ODK, and EpiData); statistical analysis (Stata, SPSS, and R); qualitative analysis (OpenCode, Dedoose, and NVivo); data visualization (Tableau and QGIS); health advocacy and knowledge translation; scientific writing; implementation science; and quality improvement.

Soft skills: Communication, critical thinking, attention to detail, problem-solving, team collaboration, adaptability, leadership, willingness to learn and deliver training, time management, and mentorship.

Certification:

I declare that the information provided in this CV is accurate and authorize the recipients thereof to undertake whatever reasonable and necessary inquiries in relation to the information in this curriculum vitae.

Date: 25 June 2026

Signed:

Ivan Segawa