

RV329 (AFRICOS)
Abstracts, Publications, and Presentations
Published, In Press, or Submitted
As of 15 January 2026

Publications:

2018 –

1. Milanini B, Bahemana E, Adamu Y, Kiweewa FK, Langat R, Owuoth J, Paul R, Allen E, Polyak CS, Ake JA, Valcour V on behalf of the AFRICOS Study Group. Limitations of the International HIV Dementia Scale in the Current Era. *AIDS*. November 13 **2018**;32(17):2477-2483. doi: 10.1097/qad.0000000000001968. PMID: 30134293.

2019 –

2. Letizia AL, Eller MA, Polyak CS, Eller LA, Creegan M, Dawson P, Bryant C, Kim D, Crowell TA, Lombardi K, Rono E, Robb ML, Michael NL, Maswai J, and Ake JA on behalf of the AFRICOS Study Group. Biomarkers of Inflammation Correlate with Clinical Scoring Indices in HIV-Infected Kenyans. *Journal of Infectious Diseases*. January 7 **2019**;219(2):284-294. doi: 10.1093/infdis/jiy509. PMID: 30165548.
3. Esber A, Polyak CS, Kiweewa F, Maswai J, Owuoth J, Maganga L, Adamu Y, Hickey PW, Ake JA, Crowell TA on behalf of the AFRICOS Study Group. Persistent Low-level Viremia Predicts Subsequent Virologic Failure: Is It Time to Change the Third 90? *Clinical Infectious Diseases*. **2019**; 69:805-12. doi: 10.1093/cid/ciy989. PMID: 30462188.
4. Kiweewa F, Esber A, Musingye E, Reed DM, Crowell TA, Cham F, Semwogerere M, Namagembe R, Nambuya A, Kafecero C, Tindikahwa A, Eller LA, Millard M, Gelderblom HC, Keshinro B, Adamu Y, Maswai J, Owuoth J, Sing'oei, VC, Maganga L, Bahemana E, Khamadi S, Robb ML, Ake JA, Polyak CS, Kibuuka H on behalf of the AFRICOS Study Group. HIV virologic failure and its predictors among HIV-infected adults on antiretroviral therapy in the African Cohort Study. *PLoS One*. **2019**; 14:e0211344. doi: 10.1371/journal.pone.0211344. PMID: 30721233.
5. Ake JA, Polyak C, Crowell TA, Kiweewa F, Semwogerere M, Maganga L, Bahemana E, Maswai J, Langat R, Owuoth J, Otieno S, Keshinro B, Esber A, Liu M, Eller LA, Ganesan K, Parikh AP, Hamm TE, Robb ML, Hickey PW, Valcour VG, Michael NL on behalf of the AFRICOS Study Group. Noninfectious Comorbidity Among HIV Clinic Clients in the African Cohort Study (AFRICOS). *Clinical Infectious Diseases*. **2019**; 69(4):639-47. doi: 10.1093/cid/ciy981. PMID: 30476001.
6. Meffert SM, Neylan TC, McCulloch CE, Maganga L, Adamu Y, Kiweewa F, Maswai J, Owuoth J, Polyak CS, Ake JA, Valcour VG on behalf of the AFRICOS Study Group. East African HIV care: depression and HIV outcomes. *Global Mental Health (Camb)*. **2019** May 31;6:e9. doi: 10.1017/gmh.2019.6. PMID: 31258923.

2020 –

7. Muñoz-Nevárez LA, Imp BM, Eller MA, Kiweewa F, Maswai J, Polyak C, Olwenyi OA, Allen IE, Rono E, Milanini B, Kibuuka H, Ake JA, Eller LA, Valcour VG on behalf of the AFRICOS Study Group. Monocyte activation, HIV, and cognitive performance in East Africa. *Journal of Neurovirology*. **2020** Feb;26(1):52-9. doi: 10.1007/s13365-019-00794-3. . PMID: 31468471.
8. Milanini B, Allen I, Paul R, Bahemana E, Kiweewa F, Nambuya A, Maswai J, Langat R, Owuoth J, Martin S, Possin K, Esber A, Polyak C, Ake JA, Valcour V on behalf of the AFRICOS Study Group. Frequency and Predictors of HIV-Related Cognitive Impairment in East Africa: The African Cohort Study (AFRICOS). *Journal of Acquired Immune Deficiency Syndrome*. **2020** Feb 1;83(2):157-64. doi: 10.1097/qai.0000000000002242. PMID: 31904698.

9. Esber AL, Coakley P, Ake JA, Bahemana E, Adamu Y, Kiweewa F, Maswai J, Owuoth J, Robb ML, Polyak CS, Crowell TA on behalf of the AFRICOS Study Group. Decreasing time to antiretroviral therapy after HIV diagnosis in sub-Saharan Africa. *Journal of the International AIDS Society*. **2020**, 23:e25446. doi: <https://doi.org/10.1002/jia2.25446>. PMID: 32064776.
10. Analogbei T, Dear N, Reed D, Esber A, Akintunde A, Bahemana E, Adamu Y, Iroezindu M, Maganga L, Kiweewa F, Maswai J, Owuoth J, Ake JA, Polyak CS, Crowell TA on behalf of the AFRICOS Study Group. Predictors and Barriers to Condom Use in the African Cohort Study. *AIDS Patient Care STDS*. **2020** May;34(5):228-36. doi: 10.1089/apc.2019.0302. PMID: 32396478.
11. Crowell TA, Danboise B, Parikh A, Esber A, Dear N, Coakley P, Kasembeli A, Maswai J, Khamadi S, Bahemana E, Iroezindu M, Kiweewa F, Owuoth J, Freeman J, Jagodzinski LL, Malia JA, Eller LA, Tovanabutra S, Peel SA, Ake JA, Polyak CS on behalf of the AFRICOS Study Group. Pre-Treatment and Acquired Antiretroviral Drug Resistance among Persons Living with HIV in Four African Countries. *Clinical Infectious Diseases*. **2020** Aug 12;ciaa1161. doi: 10.1093/cid/ciaa1161. PMID: 32785695.
12. Bahemana E, Esber A, Dear N, Ganesan K, Parikh A, Reed D, Maganga L, Samoel K, Mizinduko M, Lwilla A, Mkondoo D, Mwaisanga G, Somi N, Owuoth J, Maswai J, Kiweewa F, Iroezindu M, Ake J, Crowell TA, Valcour V, Polyak CS on behalf of the AFRICOS Study Group. Impact of Age on CD4 Recovery and Viral Suppression Over Time among Adults Living with HIV who Initiated Antiretroviral Therapy in the African Cohort Study. *AIDS Research & Therapy*. **2020** Nov 12;17(1):66. Doi: 10.1186/s12981-020-00323-x. PMID: 33183355.
13. Harvey M, Dear N, Esber A, Iroezindu M, Bahemana E, Kibuuka H, Maswai J, Owuoth J, Crowell TA, Polyak CS, Agan BK, Ake JA, Justin GA on behalf of the AFRICOS Study Group. Ophthalmic Disease Prevalence and Incidence among People Living with HIV in AFRICOS. *Ophthalmology*. **2020**. doi: <https://doi.org/10.1016/j.ophtha.2020.12.008>. PMID: 33316345.

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14. Jones MU, Esber A, Dear N, Bahemana E, Kibuuka H, Iroezindu M, Maswai J, Owuoth J, Polyak CS, Ake JA, Crowell TA, Hickey PW on behalf of the AFRICOS Study Group. The Pregnancy Factor: The Prevalence of Depression Among Women Living with HIV Enrolled in the African Cohort Study (AFRICOS) By Pregnancy Status. *Archives of Women's Mental Health*. **2021**. doi: 10.1007/s00737-021-01117-4. PMID: 33683462.
15. Semwogerere M, Dear N, Tunnage J, Reed DM, Kibuuka H, Kiweewa F, Iroezindu M, Bahemana E, Maswai J, Owuoth J, Crowell TA, Ake JA, Polyak CS, Esber A on behalf of the AFRICOS Study Group. Factors Associated with Presumptive Sexually Transmitted Infections Among Care-Seeking Adults in the African Cohort Study. *BMC Public Health*. **2021**. (2021) 21:738. doi: 10.1186/s12889-021-10762-4. PMID: 33863295.
16. Dear N, Duff E, Esber A, Parikh A, Iroezindu M, Bahemana E, Kibuuka H, Maswai J, Owuoth J, Crowell TA, Ake JA, Polyak CS on behalf of the AFRICOS Study Group. Transient reductions in HIV clinic attendance and food security during the COVID-19 pandemic for people living with HIV in four African countries. *CID*. **2021**. doi: 10.1093/cid/ciab379. PMID: 33906235.
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18. Mbah P, Iroezindu M, Esber A, Dear N, Reed D, Adamu Y, Tihamiyu AB, Mohammed SS, Kibuuka H, Maswai J, Owuoth J, Bahemana E, Ake JA, Polyak CS on behalf of the AFRICOS Study Group. Assessing the Impact of HIV Support Groups on Antiretroviral Therapy Adherence and Viral Suppression in the African Cohort Study. *BMC ID*. **2021**. (2021) 21:694. doi: 10.1186/s12879-021-06390-3. PMID: 34281502.
19. Reed DM, Esber AL, Crowell TA, Ganesan K, Kibuuka H, Maswai J, Owuoth J, Bahemana E, Iroezindu M, Ake JA, Polyak CS on behalf of the AFRICOS Study Group. Persons Living with HIV in Sero-discordant Partnerships Experience Improved HIV Care Outcomes Compared with Persons Living with HIV in Sero-concordant Partnerships in Four African Countries. *AIDS Research and Therapy*. Jul 22 **2021**. 18(1):43. doi 10.1186/s12981-021-00363-x. PMID: 34294086.
20. Crowell TA, Daud II, Maswai J, Owuoth J, Sing'oei V, Imbach M, Dear N, Sawe F, Eller LA, Polyak CS, Ake JA on behalf of the AFRICOS Study Group. SARS-CoV-2 Antibody Prevalence in People with and without HIV in Rural Western Kenya. *AIDS*. **2021**. doi: 10.1097/QAD.0000000000003054. PMID: 34482354.
21. Ongenakie CC, Nnakwe RU, Dear N, Esber A, Bahemana E, Kibuuka H, Maswai J, Owuoth J, Crowell TA, Polyak CS, Ake JA, Iroezindu M on behalf of the AFRICOS Study Group. Prevalence and Predictors of Food Insecurity in the African Cohort Study. *Public Health Nutrition*. **2021**. doi: 10.1017/S136898002100361X. PMID: 34420547.
22. Gilbert L, Dear N, Esber A, Iroezindu M, Bahemana E, Kibuuka H, Owuoth J, Maswai J, Crowell TA, Polyak CS, Ake JA on behalf of the AFRICOS Study Group. Prevalence and Risk Factors associated with HIV and Syphilis Co-infection in the African Cohort Study. *BMC ID*. (**2021**) 21:1123. doi: 10.1186/s12879-021-06668-6. PMID: 34717564.
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26. Dear N, Esber A, Iroezindu M, Bahemana E, Kibuuka H, Maswai J, Owuoth J, Polyak CS, Ake JA, Crowell TA on behalf of the AFRICOS Study Group. Routine HIV Clinic Visit Adherence in the African Cohort Study. *AIDS Research and Therapy*. (**2022**) 19:1. doi: 10.1186/s12981-021-00425-0. PMID: 34996470.
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- clinical similarities and differences between two large HIV cohorts in United States and Africa. *PLOS ONE*. **2022**. doi: 10.1371/journal.pone.0262204. PMID: 35377881.
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 30. Esber A, Chang D, Iroezindu M, Bahemana E, Kibuuka H, Owuoth J, Singoei V, Maswai J, Dear N, Crowell TA, Polyak CS, Ake JA on behalf of the AFRICOS Study Group. Weight Gain During the Dolutegravir Transition in the African Cohort Study. *Journal of the International AIDS Society*. **2022**. doi: 10.1002/jia2.25899. PMID: 35419973.
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43. Esber AL, Dear N, King D, Francisco L, Sing'oei V, Owuoth J, Maswai J, Iroezindu M, Bahemana E, Kibuuka H, Shah N, Polyak CS, Ake JA, Crowell TA on behalf of the AFRICOS Study Group. Achieving the 3rd 95 in sub-Saharan Africa: Application of Machine Learning Approaches to Predict Viral Failure. *AIDS*. **2023**. doi: 10.1097/QAD0000000000003646. PMID: 37418549.
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- adolescents and young adults living with HIV in four African Countries. *JIAS*. **2024**. Submitted. (revise and resubmit)
46. Wilson S, Milicic A, Langat R, Rehema W, David G, Harrison NE, Kibuuka H, Streeck H, Esber A, Javandel S, Allen IE, Ndhlovu L, Ake JA, Valcour V on behalf of the AFRICOS Study Group. Plasma Inflammatory Biomarkers link to Worse Cognition Among African Living with HIV. *JAIDS*. **2024**. Accepted
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2025 –

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4. Valcour V, Kiweewa F, Namagembe R, Langat R, Khamadi S, Hansson K, Polyak CS, Ake JA on behalf of the AFRICOS Study Group. Predictors of Cognitive Performance Among HIV-Infected Patients in East Africa. Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, Washington, USA. February 2015.
5. Letizia A, Eller M, Eller LA, Polyak CS, Zhang C, Liu M, Creegan M, Rono J, Maswai J, Ake JA on behalf of the AFRICOS Study Group. Comparison of Inflammatory Biomarkers and Immune Activation with Comorbid Conditions in a Kenyan Population Based upon HIV Status and Treatment. Infectious Disease Society of America. San Diego, California, USA. October 2015.
6. Cowden J, Kamau E, Kiweewa F, Kibuuka H, Omondi M, Opot B, Zhang C, Liu M, Ganesan K, Eller L, Polyak CS, Ake JA on behalf of the AFRICOS Study Group. Malaria infection (symptomatic and asymptomatic) among HIV clinic clients in the African Cohort Study (AFRICOS). American Society of Tropical Medicine & Hygiene (ASTMH). Philadelphia, Pennsylvania, USA. October 2015.

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8. Polyak C, Ganesan K, Liu M, Crowell TA, Parikh A, Bahemana E, Keshinro B, Kiweewa F, Maswai J, Owuoth J, Ake J on behalf of the AFRICOS Study Group. Treatment Initiation at Higher CD4s: Challenges to HIV Care in Four African Countries. International AIDS Society (IAS). Durban, South Africa. July 2016.

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17. Ganesan K, Polyak CS, Esber A, Bahemana E, Adamu Y, Kiweewa F, Maswai J, Owuoth J, Ake JA, Haraus E on behalf of the AFRICOS Study Group. Rates of Tuberculosis Diagnosis Among an HIV-Positive Cohort in 4 African Countries. American Society of Tropical Medicine & Hygiene (ASTMH). Baltimore, MD. November 2017.
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- persistence and incidence among women living with HIV in the African Cohort Study. IAS. **2024**. Accepted, Poster.
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92. Aitcheson N, Tejan M, Pals S, Burns N, Parikh A, Kibuuka H, Maswai J, Singoei V, Bahemana E, Tiamiyu A, Parker Z, Cavanaugh S, Shah N, Ake JA on behalf of the AFRICOS Study Group. The association of adherence counseling and virologic re-suppression in people living with HIV enrolled in the AFRICOS cohort on Tenofovir-Lamivudine-Dolutegravir: A retrospective cohort study. IAS 2025 conference. Accepted. ePoster
93. Njegite J, Burns N, Frndak S, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Bahemana E, Gervas R, Tiamiyu A, Parker Z, Crowell TA, Ake JA, Shah N, on behalf of the African Cohort Study. (AFRICOS) group. Comparative Analysis of Estimated Glomerular Filtration Rate in People Living with HIV on ART in AFRICOS Study. (Abstract). IAS 2025 conference. Accepted. ePoster
94. Burns N, Frndak S, Misicka E, Parikh AP, Hern J, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Bahemana E, Anyebe V, Parker Z, Crowell T, Shah N, Ake JA on behalf of the African Cohort Study (AFRICOS) group. Risk factors for treatment interruption among PLWH on ART in four African countries include HIV-associated discrimination, never disclosing HIV status to a partner, and history of viral load rebound (Abstract). IAS 2025 conference. Accepted. ePoster
95. Parikh AP, Ochieng C, Almas S, Habib P, Towett J, Daud I, Maswai J, Owuoth J, Singoei V, Bahemana E, Gervas R, Kibuuka H, Tiamiyu A, Parker Z, Hern J, Imbach M, Eller L, Shah N, Cavanaugh S, Frndak S, Crowell TA, Ake JA; AFRICOS Study Group. HIV drug resistance among people living with HIV on dolutegravir-based antiretroviral therapy in four African countries. Presented at: International Workshop on HIV Drug Resistance and Treatment Strategies; 2025; Virtual. Oral Presentation.
96. Sweet LM, Frndak S, Dear N, Vyas KJ, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Gervas R, Tiamiyu A, Parker Z, Crowell TA, Ake JA, Shah N, Yabes JM. Impact of acute malaria on viral load among people with HIV: a multi-site prospective cohort study in sub-Saharan Africa. Presented at: IDWeek; 2025; San Diego, CA. Poster.
97. Michael HU, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Gervas R, Tiamiyu A, Parker Z, Crowell TA, Valcour V, Ake JA, Oosthuizen F; AFRICOS Study Group. Neurocognitive effects of transitioning to dolutegravir-based regimen in people living with HIV in sub-Saharan Africa. Presented at: IDWeek; 2025; San Diego, CA. Poster.
98. Zziwa G, Humbert M, Wasswa RE, Semwogerere M, Kibuuka H, Parikh AP, Shah N, Ake J, Naluyima P, Sandberg JK. Analysis of pre-pandemic T-cell immunity to SARS-CoV-2 in Uganda. Presented at: Scandinavian Society for Immunology Annual Meeting; 2025; Stockholm, Sweden. Poster.
99. Tejan M, Pals S, Da Silva J, Burns N, Parikh AP, Cavanaugh S, Shah N, Ake J, Singoei V, Maswai J, Gervas R, Tiamiyu A, Parker Z, Kibuuka H, Aitcheson N. No association found between domains of adherence counseling and viral suppression in the AFRICOS cohort: an analysis of adult client survey data from 2013–2024. Presented at: International Conference on AIDS and STIs in Africa (ICASA); December 3–8, 2025; Luanda, Angola. Poster number: FRPEB011.

2026

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Study Groups. HIV viral load and CD4 trajectories during the COVID-19 pandemic in Thailand and Sub-Saharan Africa. IAS 2026. Submitted.

Abstracts Accepted for Publication Only:

1. Esber A, Dear N, Iroezindu M, Bahemana E, Kibuuka H, Owuoth J, Maswai J, Ake JA, Polyak CS, Crowell TA on behalf of the AFRICOS Study Group. Partner Type, Serodiscordance Status, and Dual Contraceptive Method Use in the African Cohort Study. HIV Research for Prevention (HIVR4P) Conference. Cape Town, South Africa. January 2021. Accepted.
 2. Langat R, Daud I, Cebula B, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Parker Z, Anyebe V, Dear NF, Frndak S, Parikh A, Duff ER, Imbach M, Omar B, Hern J, Crowell TA, Romo M, Shah N, Ake JA, on behalf of the AFRICOS study group. SARS-CoV-2 Infection and Associations with Sociodemographic and Clinical Characteristics Among People with and without HIV in Three African Countries. INTEREST. **2024**. Accepted.
 3. Frndak S, Burns N, Hamby T, Willoughby W, Parikh AP, Hern J, Kibuuka H, Owuoth J, Sing'oei V, Maswai J, Bahemana E, Anyebe V, Parker Z, Crowell TA, Shah N, Ake JA on behalf of the African Cohort Study (AFRICOS) group. Transitions of economic hardship during the COVID-19 pandemic among people Living with and without HIV: relationships to depression and viral suppression. (Abstract) IAS 2025 conference (pending submission)
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