

Rachel Brathwaite, MSc, PhD

Campus Box 1196, One Brookings Drive, St. Louis, MO 63130

Education

- 2013-2017** London School of Hygiene and Tropical Medicine, London, United Kingdom
Ph.D. in Epidemiology and Population Health
- 2010-2011** The University of Nottingham, Nottingham, United Kingdom
Master of Science in Applied Epidemiology
- 2005-2008** The University of the West Indies, St. Augustine Campus, Trinidad W.I.
Bachelor of Science in Nutritional Sciences (Major), Psychology and Human Resource Management (Minors) (First Class Honors)

Research Affiliations & Experience

- July 2022-present** **Research Assistant Professor**
Washington University in St. Louis, Brown School,
International Center for Child Health and Development
- Nov 2021-June 2022** **Statistical Data Analyst III**
Washington University in St. Louis, Brown School
International Center for Child Health and Development
- Jan 2020-Oct 2021** **Postdoctoral Research Associate**
Washington University in St. Louis, Brown School,
International Center for Child Health and Development
- Oct 2018-Nov 2019** **Postdoctoral Research Associate**
'Identifying Depression Early in Adolescence' (IDEA) project.
Social, Genetic & Developmental Psychiatry Centre
Institute of Psychiatry, Psychology & Neuroscience
King's College London
- Mar 2017-Sep 2018** **Postdoctoral Research Assistant**
'Care and prevent: skin infections and kidney disease project.'
Department of Public Health, Environments and Society.
London School of Hygiene and Tropical Medicine
- May 2012-Jul 2012** **Lecturer for Introduction to Basic Epidemiology**
St. Augustine Open Campus
University of the West Indies, Trinidad, W.I.
- Oct 2011-Dec 2012** **Research Assistant**
Public Health and Primary Care Unit
University of the West Indies, Trinidad, W.I.

- Aug 2009-Jul 2010** **Project Assistant**
'Preventing Diabetes and Other Chronic Diseases through a schools-based Intervention in 4 countries' project.
 Caribbean Food and Nutrition Institute (CFNI/WHO/PAHO)
 St. Augustine, Trinidad W.I.
- Jan 2009- Jun 2009** **Research Assistant**
'Evaluation of School Meal Options in Trinidad and Tobago' project.
 Caribbean Food and Nutrition Institute (CFNI/WHO/PAHO)
 St. Augustine, Trinidad W.I.
- Aug 2008- Dec 2008** **Research Assistant**
 Caribbean Food and Nutrition Institute (CFNI/WHO/PAHO)
 St. Augustine, Trinidad W.I.

Grants

- Obuvumu: Improving Health Service Uptake for Survivors of Sexual Violence (Discrete Choice Experiment) (2022-2024) | R34MH128753 | Total Award: ~\$661,596 | **Role: Co-investigator** (MPIs: Fred M. Ssewamala, Lindsay Stark, Massy Mutumba).
- Assessing the Feasibility of Economic Approaches to Prevention of Substance Abuse among Adolescents (2022-2024) | R21AA030225 | Total Award: \$ 395,137 | **Role: Multiple Principle Investigator** along with Dr. Massy Mutumba (University of Michigan)
- Suubi+Adherence-4Youth: Optimizing the Suubi Intervention for Adherence to HIV Treatment for Youth Living with HIV in Uganda (2022-2027) | R01MH131507 | Total Award: \$3,628,990.00 | **Role: Co-investigator** (MPIs: Fred M. Ssewamala, John A. Saucedo)

Publications

Peer reviewed publications:

34. Ssewamala F.M., Saucedo J.A., **Brathwaite R.**, Neilands T.B., Nabunya P., Brown D., Sensoy Bahar O., Namuwonge F., Nakasujja N., Mugarura A., Mwebembezi A., Nartey P., Mukasa B., Gwadz M. Suubi+Adherence4Youth: a study protocol to optimize the Suubi Intervention for Adherence to HIV Treatment for Youth Living with HIV in Uganda. *BMC Public Health*. 2023 (*Accepted*).
33. **Brathwaite R.**, Sensoy Bahar O., Mutumba M., Byansi W., Namatovu P., Namuwonge F., Neilands T. B., McKay M. M., Hoagwood K., Ssewamala F. M. Short-term impact of “Amaka Amasanyufu” multiple family group intervention on mental health functioning of children with disruptive behavior disorders in Uganda. *J Am Acad Child Adolesc Psychiatry*. 2023 (*In Press*).
32. Tutlam N.T., Filiatreau L.M., Byansi W., **Brathwaite R.**, Nabunya P., Sensoy Bahar O., Namuwonge F., Ssewamala F.M. (2023). The Impact of Economic Empowerment Intervention on Psychological Difficulties and Prosocial Behavior among AIDS-Orphaned Children in

Southern Uganda. *Journal of Adolescent Health*, "South to South Collaboration to Strengthen Child and Adolescent Mental Health in Sub-Saharan Africa." 2023 (Accepted).

31. Filiatreau L.M., Tutlam, N.T., **Brathwaite R.**, Byansi W., Namuwonge F., Mwebembezi A., Sensoy-Bahar O., Nabunya P., Neilands T.B., Cavazos-Rehg P., McKay M.M., Ssewamala F.M. Effects of a combination economic empowerment and family strengthening intervention on psychosocial well-being among Ugandan adolescent girls and young women: analysis of a cluster randomized controlled trial from the Suubi4Her study. *J Adolesc Health supplement*, "South to South Collaboration to Strengthen Child and Adolescent Mental Health in Sub-Saharan Africa." 2022 (In Press).
30. Ssewamala F.M., **Brathwaite R.**, Neilands T.B. Economic empowerment, HIV risk behavior, and mental health among school-going adolescent girls in Uganda: Longitudinal cluster-randomized-controlled trial, 2017-2022. *Am J Public Health*. 2022 (In Press).
29. Ssewamala F.M., **Brathwaite R.**, Sensoy Bahar O., Namatovu P., Neilands T.B., Kiyangi J., Huang K-Y., McKay M.M. The post-intervention impact of Amaka Amasanyufu on behavioral and mental health functioning of children and adolescents in low-resource communities in Uganda: analysis of a cluster-randomized trial from the SMART Africa-Uganda study (2016-2022). *Journal of Adolescent Health supplement*, "South to South Collaboration to Strengthen Child and Adolescent Mental Health in Sub-Saharan Africa." 2022 (In Press).
28. Kizito S., Namuwonge F., **Brathwaite R.**, Neilands T.B., Nabunya P., Sensoy Bahar O., Damulira C., Mwebembezi A., Mellins C., McKay M. M., Ssewamala F. M. Monitoring adherence to antiretroviral therapy among adolescents in Southern Uganda: comparing Wisepill to Self-report in predicting viral suppression in a cluster-randomized trial. *J Int AIDS Soc*. 2022. <https://doi.org/10.1002/jia2.25990>
27. **Brathwaite R.**, Ssewamala FM, Mutumba M, Neilands TB, Byansi W, Namuwonge F, Damulira C, Nabunya P, Nakigozi G, Makumbi F, Mellins CA, McKay MM, Suubi+Adherence Field Team. The long-term (5-year) impact of a family economic empowerment intervention on adolescents living with HIV in Uganda: analysis of longitudinal data from a cluster randomized controlled trial from the Suubi+Adherence study (2012-2018). *AIDS Behavior*. 2022. <https://doi.org/10.1007/s10461-022-03637-1>
26. **Brathwaite R.**, Ssewamala F. M., Sensoy Bahar O., McKay M. M., Neilands T. B., Namatovu P., Kiyangi J., Zmachinski L., Nabayinda J., Huang K.-Y., Kivumbi A., Damulira C., Bhana A., Mwebembezi A., Petersen I., Hoagwood K. The longitudinal impact of an evidence-based multiple family group intervention (Amaka Amasanyufu) on Oppositional Defiant Disorder and Impaired functioning among children in Uganda: analysis of a cluster randomized trial from the SMART Africa-Uganda scale-up study (2016-2022). *J Child Psychol Psychiatry* 2022. <https://doi.org/10.1111/jcpp.13566>
25. Byansi W., Nabunya P., Muwanga J., Mwebembezi A., Damulira C., Mukasa B., Zmachinski L., Nattabi J., **Brathwaite R.**, Namuwonge F., Bahar OS., Neilands TB., Mellins C.A., & Ssewamala, FM. The relationship between life satisfaction, personal health, quality of life, and medication adherence among adolescents living with HIV in southwestern Uganda. *J Public Health (Berl.)* 2021. <https://doi.org/10.1007/s10389-021-01632-9>
24. **Brathwaite R.**, Ssewamala F.M., Neilands T.B., Nabunya P., Byansi W., Damulira C. Development and external validation of a risk calculator to predict internalising symptoms among

Ugandan youths affected by HIV. *Psychiatry Research*. 2021;302:114028.
<https://doi.org/10.1016/j.psychres.2021.114028>

23. **Brathwaite R.**, Ssewamala F. M., Neilands T.B., Okumu M., Mutumba, M., Damulira C., Nabunya P., Kizito S., Sensoy Bahar O., Mellins C.A., McKay M. M. Predicting the individualized risk of poor adherence to ART medication among adolescents living with HIV in Uganda: The Suubi+Adherence Study. *Journal of International AIDS Society*. 2021; 24(6):e25756.
<https://doi.org/10.1002/jia2.25756>
22. Byansi W.*, **Brathwaite R.***, Calvert M., Nabunya P., Sensoy Bahar O., Damulira C., Namuwonge F., McKay M., Mellins A C., Ssewamala F. M. Relationship Between Mental Health and HIV Transmission Knowledge and Prevention Attitudes Among Adolescents Living with HIV: Lessons from Suubi + Adherence Cluster Randomized Study in Southern Uganda. *AIDS and Behavior*. 2021 <https://doi.org/10.1007/s10461-021-03243-7>. *Joint first authors
21. Ssewamala F. M., Sensoy Bahar O., Nabunya P., Thames A. D., Neilands T. B., Damulira C., Mukasa B., **Brathwaite R.**, Mellins C., Santelli J., Brown D., Shenyang G. Namatovu P. Kiyangi J., Namuwonge F., McKay M. M. Suubi+Adherence-Round 2: A study protocol to examine the longitudinal HIV treatment adherence among youth living with HIV transitioning into young adulthood in Southern Uganda. *BMC Public Health*. 2021;21(1):179.
<https://doi.org/10.1186/s12889-021-10202-3>
20. Nabunya P., Byansi W., Damulira C., Sensoy Bahar O., Jennings Mayo-Wilson L., Tozan Y., Kiyangi J., Nabayinda J., **Brathwaite R.**, Witte S.S., Ssewamala F.M. Predictors of Depressive Symptoms and Post Traumatic Stress Disorder Among Women Engaged in Commercial Sex Work in Southern Uganda. *Psychiatry Research*. 2021;298:113817.
<https://doi.org/10.1016/j.psychres.2021.113817>
19. Shato T., Nabunya P., Byansi W., Nwaozuru U., Okumu M., Mutumba M., **Brathwaite R.**, Damulira C., Namuwonge F., Sensoy Bahar O., Neilands T. B., & Ssewamala F. M. Family Economic Empowerment, Family Social Support, and Sexual Risk-Taking Behaviors Among Adolescents Living With HIV in Uganda: The Suubi+Adherence Study. *Journal of Adolescent Health*. 2021. <https://doi.org/10.1016/j.jadohealth.2021.02.005>
18. Ssewamala F.M., Shu-Huah Wang J., **Brathwaite R.**, Sun S., Mayo-Wilson L. J., Neilands T. B., Brooks-Gunn J. Impact of a Family Economic Intervention (Bridges) on Health Functioning of Adolescents Orphaned by HIV/AIDS: A 5-Year (2012–2017) Cluster Randomized Controlled Trial in Uganda. *American Journal of Public Health*. 2021:e1-e10.
<https://doi.org/10.2105/AJPH.2020.306044>
17. McGowan C. R., Wright T., Nitsch D., Lewer, D., **Brathwaite R.**, Scott J., Hope D., Ciccarone J., Dunn J., Gillmore J., Story A., Harris, M. High prevalence of albuminuria amongst people who inject drugs: A cross-sectional study. *Scientific Reports*. 2020;10(1), 7059.
<https://doi.org/10.1038/s41598-020-63748-4>
16. **Brathwaite R.**, Rocha T.B-M., Kieling C., Kohrt B.A., Mondelli V., Adewuya A.O., Fisher H. L. Predicting the risk of future depression among school-attending adolescents in Nigeria using a model developed in Brazil. *Psychiatry Research*. 2020;294:113511.
<https://doi.org/10.1007/s00787-020-01505-8>

15. **Brathwaite R.**, Rocha T.B.-M., Kieling, C., Gautam, K., Koirala, S., Mondelli V., Kohrt B., Fisher H. L. (2020). Predicting the risk of depression among adolescents in Nepal using a model developed in Brazil: the IDEA Project. *European Child & Adolescent Psychiatry*. 2021 Feb;30(2):213-223. <https://doi.org/10.1007/s00787-020-01505-8>.
14. **Brathwaite R.**, Hutchinson E., McKee M., Palafox B., Balabanova D. The Long and Winding Road: A Systematic Literature Review Conceptualising Pathways for Hypertension Care and Control in Low-and Middle-Income Countries. *International Journal of Health Policy and Management*. 2020. <https://doi.org/10.34172/ijhpm.2020.105>
13. Nabunya P., Byansi W., Muwanga J., Damulira C., **Brathwaite R.**, Namuwonge, F., et al. Gender, HIV knowledge and prevention attitudes among adolescents living with HIV participating in an economic empowerment intervention in Uganda. *AIDS Care*. 2020:1-9. <https://doi.org/09540121.2020.1844860>.
12. Nabunya P., Damulira C., Byansi W., Muwanga J., Bahar O. S., Namuwonge F., Ighofose E., **Brathwaite R.**, Tumweisige W., Ssewamala F. M. Prevalence and Correlates of Depressive Symptoms Among High School Adolescent Girls in Southern Uganda. *BMC Public Health*. 2020;20(1):1792. <https://doi.org/10.1186/s12889-020-09937-2>.
11. Harris M., Scott J., Wright T., **Brathwaite R.**, Ciccarone D., & Hope V. (2019). Injecting related health harms and overuse of acidifiers among people who inject heroin and crack cocaine in London: A mixed methods study. *Harm Reduction Journal*. 2019;16(1):60. <https://doi.org/10.1186/s12954-019-0330-6>
10. Harris M., **Brathwaite R.**, McGowan C. R., Ciccarone D., Gilchrist G., McCusker M., O'Brien K., Dunn J., Scott J. & Hope V. (2018). 'Care and Prevent': rationale for investigating skin and soft tissue infections and AA amyloidosis among people who inject drugs in London. *Harm Reduction Journal*. 2018;15(1): 23. <https://doi.org/10.1186/s12954-018-0233-y>
9. Maharaj R. G., Babwah T., Motilal S. M., Nunes P., **Brathwaite R.**, Legall G., Reid S. D.. The National Alcohol Survey of Households in Trinidad and Tobago (NASHTT): willingness to support changes in policy, laws and regulations 2018;18(1):1201. <https://doi.org/10.1186/s12889-018-6111-4>
8. Harris M., **Brathwaite R.**, Scott J., Gilchrist G., Ciccarone D., Hope V. & McGowan C. R. (2017). Drawing attention to a neglected injecting-related harm: A systematic review of AA-amyloidosis among people who inject drugs. *Addiction*. 2017;113(10):1790-1801. <https://doi.org/10.1111/add.14257>
7. Addo J, Cook S, Galbete C, Agyemang C, Klipstein-Grobusch K, Nicolaou M., Danquah I., Schulze M.B., **Brathwaite R.**, Mockenhaupt F.P., Beune E., Meeks K., de-Graft Aikins A, [...], Liam Smeeth. Differences in alcohol consumption and drinking patterns in Ghanaians in Europe and Africa: The RODAM Study. *PLOS ONE*. 2018 13(11): e0206286. <https://doi.org/10.1371/journal.pone.0206286>

6. **Brathwaite R.**, Addo J., Smeeth L., & Lock K. A systematic review of tobacco smoking prevalence and description of tobacco control strategies in Sub-Saharan African countries; 2017 to 2014. *PLoS One*. 2015;10(7):e0132401. <https://doi.org/10.1371/journal.pone.0132401>
5. **Brathwaite R.**, Smeeth L., Addo J., Kunst A.E., Peters R.J.G., Snijder M.B., Derks E.M., & Agyemang C. Ethnic differences in current smoking and former smoking in the Netherlands and the contribution of socioeconomic factors: a cross-sectional analysis of the HELIUS Study. *BMJ Open*. 2017;7(7):e016041. <https://doi.org/10.1136/bmjopen-2017-016041>
4. **Brathwaite R.**, Addo J., Kunst A.E., Agyemang C., Owusu-Dabo E., de-Graft Aikins A., Beune E., Meeks K., Klipstein-Grobusch K., Bahendeka S., Mockenhaupt F.P., Amoah S., Galbete C., Schulze M.B., Danquah I., Smeeth L. Smoking prevalence differs by location of residence among Ghanaians in Africa and Europe: The RODAM Study. *PLoS ONE*. 2017;12(5):e0177291. <https://doi.org/10.1371/journal.pone.0177291>.
3. Maharaj R. G., Motilal M. S., Babwah T., Nunes P. **Brathwaite R.**, Legall G., Reid S. D., Canavan M. E., & Bradley E. H. National Alcohol Survey of households in Trinidad and Tobago (NASHTT): Alcohol use in households. *BMC Public Health*. 2017;17(1):347. <https://doi.org/10.1186/s12889-017-4266-z>
2. Reid S. D., Ramsarran J., **Brathwaite R.**, Lyman S., Baker A., Cornish C. D., Gang S., Mohammed Z., Sookdeo A.T., & Thapelo C.K. Energy drink usage among university students in a Caribbean country: Patterns of use and adverse effects. *Journal of Epidemiology and Global Health*. 2015;5(2):103-116. <https://doi.org/10.1016/j.jegh.2014.05.004>
1. Rawlins J., Bidyadhar S., & **Brathwaite R.** Measuring medical students' sense of preparedness for community visits to antenatal patients in the health centre setting in Trinidad. *Journal of Public Health*. 2013.21(4):349-356. <https://doi.org/10.1007/s10389-013-0560.0>

Scientific Presentations

- 2022 SSWR Annual Conference in Washington, DC | e-poster virtual Presentation | The Longitudinal Impact of an Evidence-Based Multiple Family Group Intervention (Amaka Amasanyufu), on Child Behavioral Outcomes in Uganda: The SMART Africa Uganda Study (2016-2021) | January 15, 2022
- Invited speaker | Center for AIDS Prevention Studies, University of California San Francisco Prevention Research Center | 'Applying machine learning techniques in Stata to predict health outcomes using HIV-related data' (December 14, 2021)
- The 5th Annual SMART AFRICA Conference on Child Behavioral Health in Sub-Saharan Africa | held virtually April 21st to 22nd 2021 | Oral Presentation (Panelist) : Scale-up study in Uganda: Key Implementation Components and Preliminary Findings
- The Road to Global Mental Health Conference | Oct 2019, London | Poster Presentation 'Predicting the risk of depression among adolescents in Nepal, using a prediction model developed in Brazil.'
- MQ Science Symposium | Feb 2019, London | Poster Presentation 'Predicting the risk of depression among adolescents in Nepal, using a prediction model developed in Brazil.'

- Research Degree Student's Poster Day | Poster Presentation 'Does location of residence affect smoking among Ghanaian migrants?' | London, February 2016
- Kyoto Global Conference for Rising Public Health Researchers" | Dec 2016 KGC, Japan) | Poster Presentation 'Ethnic differences in smoking and cessation in the Netherlands and the contribution of socio-economic factors: the HELIUS Study.'