

Curriculum Vitae

Virginia McKay (Ginger)

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Washington University in St. Louis

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St. Louis, MO 63130

Education

Doctor of Philosophy, Public Health

Oregon State University, Corvallis, OR

Concentration: Health Promotion and Health Behavior

Dissertation Chair: M. Margaret Dolcini, PhD

Dissertation Title: *Examining Evidence-based Intervention Sustainability and De-adoption in the Context of HIV Prevention*

Awarded March 2016

Master of Arts, Medical Anthropology

University of Memphis, Memphis, TN

Concentration: Applied Medical Anthropology

Awarded May 2010

Bachelor of Science, Anthropology and Psychology

College of Charleston, Charleston, SC

Concentration: Cultural Anthropology

Awarded May 2008

Academic Appointments

2023-present **Assistant Professor – Tenure Track.** George Warren Brown School of Social Work. Washington University in St. Louis. St. Louis, MO.

2017–2023 **Assistant Professor – Research Track.** George Warren Brown School of Social Work. Washington University in St. Louis. St. Louis, MO.

2016–2017 **NIMH T32 Postdoctoral Training Fellow.** Center for Mental Health Services Research. George Warren Brown School of Social Work. Washington University in St. Louis. St. Louis, MO.

Additional Roles

2022-present **Assistant Director of Research.** Center for Public Health Systems Science. Brown School. Washington University in St. Louis.

- 2021-present* **Lead.** Infectious Disease and Dissemination and Implementation Science (IDDI) Initiative. Center for Dissemination and Implementation. Institute of Public Health. Washington University in St. Louis.
- 2018* **Project Leadership.** Needs Assessment conducted by the Center for Public Health Systems Science in the Brown School of Social Work for the Precision Medicine Function of the Institute for Clinical and Translational Science at Washington University in St. Louis School of Medicine.
- 2016-present* **Consultant.** Dissemination and Implementation Research Core. Institute for Clinical and Translational Sciences. Washington University in St. Louis.
- 2016* **Research Associate I.** University of Tennessee College of Social Work Office of Research and Public Service. Conducted program evaluation activities in cooperation with state and university partners. Supervisor – Maryanne Cunningham, MS, MS, Interim Director.
- 2015* **Project Coordinator.** Coordinator for two research projects: Come Out, for Health! An examination of stress, obesity, and social influences among same-sex female couples in East Tennessee. Cancer Survivorship Programming in Tennessee: A Survey of Cancer Centers in Tennessee. A survey assessing cancer survivorship programming among American College of Surgeons Commission on Cancer accredited hospitals. Principal Investigator – Jennifer M. Jabson, PhD.
- 2011–2014* **Research Assistant.** The Translation into Practice of Project RESPECT. A national study of translating into practice the HIV prevention program RESPECT, as promoted by the CDC. Principal Investigator – M. Margaret Dolcini, PhD.
- 2010* **Research Assistant.** HIV/AIDS Needs Assessment Special-Study. A multidisciplinary study seeking to examine the role of transportation in HIV/AIDS service delivery in Shelby County and the surrounding counties working collaboratively with The United Way of the Mid-South, the Midsouth Coalition on HIV/AIDS, and the Ryan White Part A Planning Council. Principal Investigator - Lynda M. Sagrestano, PhD.
- 2009–2011* **Co-investigator.** Partners in Immunization by Education Strategy (PIBES). PIBES is an evaluation study of the Immunization by Education Strategy, an HIV education program for primary age children in Kampala, Uganda provided by the Savannah Sunrise Foundation, a non-profit organization. Principal Investigator – Danstan Bagenda, PhD.
- 2008–2009* **Research Assistant.** Community Voice Evaluation Team (CVET). CVET is a multidisciplinary research team evaluating the efficacy of Community Voice, an education program designed by the March of Dimes to combat infant mortality in Memphis, TN. Principal Investigator – Lynda M. Sagrestano, PhD.

Additional Training & Professional Development

- 2022* Causal Pathway Diagrams to Identify Mechanisms of Implementation Strategies Workshop. Society for Implementation Research and Collaboration Conference.
- 2021* Pragmatic Trials Workshop. Dissemination and Implementation Science in Health Conference.
- 2020* Implementation Facilitation Training. University of Arkansas
- 2019* Introduction to R Statistical Programming Language and Environment. Summer Institute. Washington University in St. Louis.
- 2018* Mixed Methods Research Training in Health Sciences. Johns Hopkins University.
- 2016* Training Institute for Dissemination and Implementation Research in Health (TIDIRH) trainee. National Institutes of Health.

Publications and Presentations

* indicates published or presented with a mentee.

Peer-Reviewed Articles

2023

*Ahmad, F., Chan, P., McGovern, C., Dickey, V., **McKay, V.** "Assessing Usability of an Electronic Sexually Transmitted Infection Risk Assessment Program Adapted for use in Pediatric Primary Care." *Journal of Primary Care and Community Health. Journal of Primary Care and Community Health*. Available Online.

<https://doi.org/10.1177/21501319231172900>

McKay, Kwon. "Identifying, de-constructing, and de-implementing low value infection control and prevention interventions." *Infection Control and Hospital Epidemiology*. 44(6), 1034-1035. <https://doi.org/10.1017/ice.2023.53>

Wiphatphumiprates, Graetz, ... Proyecto EVAT Collaborative Members, **McKay, Agulnik.** "The COVID-19 Pandemic's Impact on Sustainability and Expansion of a Pediatric Early Warning System (PEWS) in Resource-Limited Hospitals." *Cancer Medicine*. Available Online. <https://doi.org/10.1002/cam4.5876>

*Advani, **McKay** "Beyond Implementation: Uncovering the Parallels between De-implementation and Antimicrobial Stewardship." *Antimicrobial Stewardship & Healthcare Epidemiology*. 3(1), e73.

DOI: <https://doi.org/10.1017/ash.2023.150>

*Merle, Li, Keiser, Zamantakis, Queiroz, Gallo, Villamar, **McKay, Zapata, Mustanski, Benbow, Smith.** "Categorizing implementation determinants and strategies within the HIV implementation literature: a global systematic review protocol." *BMJ Open*. 13(3), e070216. <http://dx.doi.org/10.1136/bmjopen-2022-070216>

Garbutt, Wang, Graham, **McKay, Haire-Joshu, Barker, Liu.** "Provider and Practice Factors Associated with On-Time HPV Vaccination in Primary Care." *Academic Pediatrics*. 23(4), 800-807. <https://doi.org/10.1016/j.acap.2022.12.015>

2022

*Agulnik, Schmidt-Grimminger, ... Proyecto EVAT Collaborative Members, Graetz, **McKay.** "Challenges to Sustainability of Pediatric Early Warning System (PEWS) in Low-Resource Hospitals in Latin America." *Frontiers in Health Services*. Available online.

<https://doi.org/10.3389/frhs.2022.1004805>

*Malone, Newland, Kudchadkar, Prewitt, **McKay, Prusaczyk, Proctor, Brownson, Luke.** "Sustainability in pediatric hospitals: An exploration of quality improvement and implementation science." *Frontiers in Health Services*. Available online.

<https://doi.org/10.3389/frhs.2022.1005802>

*Tetteh, Combs, Geng, **McKay.** "COVID-19: An examination of public health information, trust, and COVID-19 prevention behaviors." *Journal of Medical Internet Research*. 24(9):e37846. doi: [10.2196/37846](https://doi.org/10.2196/37846).

Agulnik, Gonzalez Ruiz, ... Proyecto EVAT Collaborative Members, **McKay, Metzger, Friedrich, Rodriguez-Galido.** "Model for Regional Collaboration: Successful Strategy to Implement a Pediatric Early Warning System in 36 Pediatric Oncology Centers in Latin America." *Cancer*. Available online. <https://doi.org/10.1002/cncr.34427>

Burnham, Kwon, Newland, **McKay.** "Dissemination and Implementation Science and Antimicrobial Stewardship in Solid Organ Transplantation: A Perspective." *Transplant Infectious Diseases*. Available online.

<https://doi.org/10.1111/tid.13903>

- *Ahmad, Dickey, Tetteh, Foraker, **McKay**. “The use of the Consolidated Framework for Implementation Research (CFIR) to Understand Facilitators and Barriers to STI Screening in Primary Care.” *Sexually Transmitted Diseases*. doi: [10.1097/OLQ.0000000000001656](https://doi.org/10.1097/OLQ.0000000000001656)
- *Reid, Tetteh, Ingaiza, Bradley, Dolcini, **McKay**. “High Impact for Whom? A Qualitative Analysis of Organization Concerns About the Transition to High Impact Prevention Policy.” *Health Promotion Practice*. <https://doi.org/10.1177/15248399221091537>
- *Walsh, **McKay**, Hansen, Barco, Jones, Lee, Heinemann, Lenze, Chen, & Wong. “Using Implementation Science to Adapt Enhanced Medical Rehabilitation for Inpatient Spinal Cord Injury Rehabilitation: Intervention Mapping and Stakeholder Engagement.” *Archives of Physical Medicine and Rehabilitation*. In press. <https://doi.org/10.1016/j.apmr.2022.04.010>
- McKay**, Vogel, Combs, Brossart, Endrizal, Andersen, Poor, Mahoney, Luke. “Tailoring dissemination of evidence to preferences of tobacco control partners: results from an academic-community partnership.” *Substance Abuse Treatment, Prevention, and Policy*. 17(1), 1-10. <https://doi.org/10.1186/s13011-022-00450-w>
- 2021
- *Walsh-Bailey, Tsai, Tabak, Morshed, Norton, **McKay**, Brownson, Gifford. “A Scoping Review of De-implementation Frameworks and Models.” *Implementation Science*. 16(1), 1-18. <https://doi.org/10.1186/s13012-021-01173-5>
- *Proctor, Toker, Tabak, **McKay**, Hooley, Evanoff. “Market Viability: A Neglected Concept in Implementation Science” *Implementation Science*. 16(1), 1-18. <https://doi.org/10.1186/s13012-021-01168-2>
- *Ablordeppey, Powell, **McKay**, Keating, James, Carpenter, Kollef, Griffey. “Protocol for DRAUP: a deimplementation programme to decrease routine chest radiographs after central venous catheter insertion.” *BMJ Open Quality*. 10:e001222. <http://dx.doi.org/10.1136/bmjopen-2020-001222>
- *Calhoun, Luo, Baumann, Bauer, Shen, **McKay**, Hooley, James, King. “Transition for Adolescents and Young Adults with Sickle Cell Disease in a US Midwest Urban Center: A Multi-level Perspective on Barriers, Facilitators, and Future Directions.” *Journal of Racial and Ethnic Health Disparities*. doi: [10.1097/MPH.0000000000002322](https://doi.org/10.1097/MPH.0000000000002322)
- Agulnik, Malone, Puerto-Torres, Gonzalez-Ruiz, ... Proyecto EVAT Collaborative Members, Luke, **McKay**. “Measuring clinical capacity to sustain pediatric early warning systems (PEWS) in resource-limited hospitals: A Spanish-language Tool.” *BMJ Open*. <http://dx.doi.org/10.1136/bmjopen-2021-053116>
- *Heiden, Tetteh, Robbins, Tabak, Meyers, Kozower, **McKay**, Puri. “Dissemination and Implementation Science in Cardiothoracic Surgery: A Review and Case Study. *Annals of Cardiothoracic Surgery*. <https://doi.org/10.1016/j.athoracsur.2021.08.007>
- *Eshun-Wilson, Mody, **McKay**, Hlatshwayo, Bradley, Thompson, Glidden, Geng “Public Preferences for Social Distancing Policy measures to Mitigate the Spread of COVID-19 in Missouri. *JAMA Network Open*. 4(7): e2116113. doi:[10.1001/jamanetworkopen.2021.16113](https://doi.org/10.1001/jamanetworkopen.2021.16113)
- *Malone, Prewitt, Hackett, Lin, **McKay**, Walsh-Bailey, Luke. “The Clinical Sustainability Assessment Tool: Measuring Organizational Capacity to Promote Sustainability in Healthcare.” *Implementation Science Communications* 2, 77 (2021). <https://doi.org/10.1186/s43058-021-00181-2>
- ***McKay**, Tetteh, Reid, Ingaiza, Combs. “Persistence of Inefficient HIV prevention Interventions: An Analysis of the Reasons Why.” *Translational Behavioral Medicine*. available online. <https://doi.org/10.1093/tbm/ibab055>

*Proctor, **McKay**, Toker, Maddox, Hooley, Lengnick-Hall, MacGibbon, Evanoff. "Partnered innovation to implement timely and personalized care: A case study." *Journal of Clinical and Translational Science*. pp.1-27.

<https://doi.org/10.1017/cts.2021.778>

*Malone, **McKay**, Krucylak, Powell, Liu, Terrill, Saito, Rangel, Newland. "A cluster randomized stepped-wedge trial to de-implement unnecessary post-operative antibiotics in children: the optimizing perioperative antibiotic in children (OPerAtiC) trial" *Implementation Science*. 16(29). <https://doi.org/10.1186/s13012-021-01096-1>

*Dolcini, Davey-Rothwell, Singh, Catania, J., Gandelman, Narayanan, Harris, **McKay**. "Use of effective training and quality assurance strategies is associated with high-fidelity EBI implementation in practice settings: a case analysis." *Translational Behavioral Medicine*, Volume 11, Issue 1, January 2021, Pages 34–45, <https://doi.org/10.1093/tbm/ibz158>

Lopez, Duncan, Shacham, **McKay**. "Disparities in Mental Health and Health-Compromising Behaviors among Sexual Minority Women: Results from the 2011-2014 National Health and Nutritional Examination Survey (NHANES)". *Preventive Medicine*. 142. <https://doi.org/10.1016/j.ypmed.2020.106379>

Dengler, Padovano, Davidge, **McKay**, Yee, Mackinnon. "Dissemination and Implementation Science in Plastic and Reconstructive Surgery: Perfecting, Protecting, and Promoting the Innovation that Defines our Specialty." *Plastic and Reconstructive Surgery*. 147(2), pp.303e-313e. [doi: 10.1097/PRS.00000000000007492](https://doi.org/10.1097/PRS.00000000000007492)

***McKay**, Cambey, Combs Stubbs, Pichon, Gaur. "Using a modeling-based approach to assess and optimize HIV linkage to care services." *AIDS and Behavior*. 25, pp.886-896. <https://doi.org/10.1007/s10461-020-03051-5>

2020

***McKay**, Tetteh, Reid, Ingaiza. "Better Service by Doing Less: Introducing De-implementation Research in HIV." *Current HIV/AIDS Reports*. 17, 431–437. <https://doi.org/10.1007/s11904-020-00517-y>

*Sayood, Venkatram, Hsueh, Newland, Babcock, Warrne, Turabelidze, **McKay**, Rachmiel, Peacock, Habrock-Back, Durkin. "Experience from the Missouri Antimicrobial Stewardship Collaborative: A Mixed Methods Study." *Infection Control and Hospital Epidemiology*. 1-3. <https://doi.org/10.1017/ice.2020.318>

McKay, Combs, Dolcini, & Brownson. "The de-implementation and persistence of low-value HIV prevention interventions in the United States: A cross-sectional study." *Implementation Science Communications*. 1(60) 1-10. <https://doi.org/10.1186/s43058-020-00040-6>

*Malone, Seigel, Newland, Saito, & **McKay**. "Understanding antibiotic prophylaxis prescribing in pediatric surgical specialties." *Infection Control and Hospital Epidemiology*. 4(6), 661-671. <https://doi.org/10.1017/ice.2020.71>

*Combs, **McKay**, Ornstein, Mahoney, Cork, Brosi, Kasman, Heuberger, Hammond, Luke. "Modeling the impact of menthol sales restrictions & retailer density reduction policies: Insights from Tobacco Town Minnesota." *Tobacco Control*. 29, 502-509. [DOI: 10.1136/tobaccocontrol-2019-054986](https://doi.org/10.1136/tobaccocontrol-2019-054986)

2019

*Burnham, Geng, Venkatram, Colditz, **McKay**. "Putting the Dissemination and Implementation in ID". *Clinical Infectious Disease*. 1(1), 218-225. <https://doi.org/10.1093/cid/ciz1011>

*Dolcini, Davey-Rothwell, Singh, Catania, Gandelman, Narayana, Harris, **McKay**. "Use of effective training and quality assurance strategies is associated with high-fidelity EBI implementation in practice settings: A case analysis." *Translational Behavioral Medicine*. 11(1), pp.334-45. <https://doi.org/10.1093/tbm/ibz158>

*Proctor, Ramsey, Brown, Hooley, Malone, **McKay**. "Training in Implementation Practice Leadership (TRIPLE): Evaluation of a Novel Practice Change Strategy in Behavioral Health Organizations." *Implementation Science*. 14(66). <https://doi.org/10.1186/s13012-019-0906-2>

2018

***McKay**, Morshed, Brownson, Proctor, Prusaczyk. "Letting Go: Conceptualizing Intervention De-implementation in Public Health and Service Settings." *American Journal of Community Psychology*. 62(1-2), 189-202. <https://doi.org/10.1002/ajcp.12258>

McKay, Hoffer, Combs. "The dynamic influence of human resources on evidence-based intervention sustainability and population outcomes: an agent-based approach." *Implementation Science*, 13(1), 77. <https://doi.org/10.1186/s13012-018-0767-0>

2017

McKay, Dolcini, Hoffer. "The dynamics of de-adoption: A case study of policy change, de-adoption, and replacement of an evidence-based HIV intervention." *Translational Behavioral Medicine: Practice, Policy, and Research*. 7(4):821-831. <https://doi.org/10.1007/s13142-017-0493-1>

2016

McKay, Dolcini, Catania. "Impact of Human Resources on Implementing an Evidence-Based HIV Prevention Intervention." *AIDS and Behavior*, 1-13. <https://doi.org/10.1007/s10461-016-1425-7>

McKay, Dolcini, Conte, & Catania. "Adaptations to an HIV Counseling and Testing Intervention from a Counselor Perspective." *Journal of Community Psychology*, 42(8):891-906. <https://doi.org/10.1002/jcop.21659>

2014

Catania, Dolcini, Gandelman, & **McKay**. "Fiscal loss and program fidelity: Impact of the economic downturn on HIV/STI prevention program fidelity." *Translational Behavioral Medicine: Practice, Policy, and Research*, 4(1): 34-45. <https://doi.org/10.1007/s13142-013-0242-z>

Book Chapters

Anticipated for 2023

***McKay**, Bailey-Walsh, Malone, McGovern, Niven. "Chapter 12: Missing the Target: Mis-implementation and De-implementation." In *Dissemination and implementation research in health: translating science to practice, 3rd Edition*. (Eds.) Brownson, R. C., Colditz, G.A., & Proctor, E.K.; Oxford University Press.

Luke, Morshed, **McKay**, Combs. "Chapter 10: Systems Science methods in Dissemination & Implementation Research." In *Dissemination and implementation research in health: translating science to practice, 3rd Edition*. (Eds.) Brownson, R. C., Colditz, G. A., & Proctor, E. K. Oxford University Press.

2017

*Luke, Morshed, **McKay**, Combs. "Chapter 10: Systems Science methods in Dissemination & Implementation Research." In *Dissemination and implementation research in health: translating science to practice, 2nd Edition*. (Eds.) Brownson, R. C., Colditz, G. A., & Proctor, E. K. Oxford University Press.

Wider Dissemination

2022

The Center from Implementation. Implementation in Action Bulletin. ImpSCI Minutes. The Clinical Sustainability Assessment Tool: measuring organizational capacity to promote sustainability. Jan. 2022. <https://thecenterforimplementation.com/implementation-in-action-bulletin/jan-2022>

2018

Ashley Simons-Rudolph. *Why it's so Hard to Say Goodbye (to our interventions)*. Community psychology: Social Justice Through Collaborative Research and Action. <https://www.communitypsychology.com/letting-go-of-our-interventions/>

Selected Refereed Presentations

Unless otherwise noted, first author was the presenting author

2022

Malone, **McKay**, Saito, Rangel, Bono, Newland. Designing and evaluating a facilitation workshop for antimicrobial stewardship teams to de-implement inappropriate perioperative antibiotic use in pediatric hospitals: the OPerAtic trial. Poster presentation at Infectious Disease Week for the Infectious Disease Society of America; October 19-23, 2022; Washington, D.C. McKay as the presenting author.

Agulnik, Malone, Puerto-Torres, Devidas, Luke, **McKay** on behalf of the EVAT Study Group. "Hospital Factors Impacting Sustainability of Pediatric Early Warning Systems in Resource-Limited Pediatric Oncology Centers". Oral presentation at the Society for the 54th Congress of the International Society of Pediatric Oncology (SIOP). October, 2022; Barcelona, Spain.

***McKay**, Zamantakis, Keiser, Pachicano, Benbow, Hirschhorn. "Developing criteria to evaluate and identify best practice implementation strategies." Presentation as part of the symposium: *A multipronged approach for creating generalizable and actionable implementation knowledge to end the HIV epidemic in the US*. 2022 Society for Implementation Research Collaboration Conference. September, 2022. San Diego.

2021

Agulnik, Malone, Puerto-Torres, Gonzalez-Ruiz, Vedaraju,... Luke, **McKay**, on behalf of the EVAT Study Group. *Measuring Clinical Capacity to Sustain Pediatric Early Warning Systems (PEWS) in Resource-Limited Pediatric Cancer Hospitals: A Spanish-language Tool*. Poster presentation to the 53rd Congress of the International Society of Pediatric Oncology (SIOP). October, 2021. Virtual Conference.

2020

*Hooley, Proctor, **McKay**, Toker, Lengnick-Hall, Maddox. *Partnered innovation to implement timely and personalized care: A case study*. Poster presentation to the 13th Annual Conference on the Science of Dissemination and Implementation in Health. December, 2020. Virtual Conference.

Andersen, Combs, Endrizal, Brossart, Vogal, Namwase, Poor, **McKay**, Luke. *Retail tobacco policy efforts and barriers to implementation in the US: Insights from local practitioners*. Poster presentation to the 13th Annual Conference on the Science of Dissemination and Implementation in Health. December, 2020. Virtual Conference.

McKay, Combs, Endrizal, Brossart, Vogel, Poor. *Tailoring evidence dissemination to preferences of tobacco control partners: Lessons from an academic-community partnership for tobacco control*. Poster presentation to the 13th Annual Conference on the Science of Dissemination and Implementation in Health. December, 2020. Virtual Conference.

*Malone, **McKay**, Prewitt, Smith, Agulnik, Luke. *Validating and enhancing the clinical sustainability assessment tool: A quick assessment for researchers and practitioners*. Oral presentation to the 13th Annual Conference on the Science of Dissemination and Implementation in Health. December, 2020. Virtual Conference.

*Malone, **McKay**, Prewitt, Luke. *Assessing clinical sustainability: A new, user-friendly tool for evaluating real-world practices*. Oral presentation to the American Public Health Association Annual Conference. October, 2020. Virtual Conference.

***McKay**, Cambey, Combs, Stubbs, Pichon, Guar. *Using a modeling-based approach to assess and optimize HIV linkage to care services*. Poster presentation to the AIDS 2020 International Conference. July, 2020. Virtual Conference.

***McKay**, Combs, Reid, Ingaiza, Tetteh, Chitenga. *Understanding de-implementation and persistence of low value HIV prevention interventions in the United States: A mixed-method study*. Poster presentation to the AIDS 2020 International Conference. July, 2020. Virtual Conference.

2018

***McKay**, Cao, Sedlack, Combs. *The persistence of low-value HIV prevention interventions: Are organizations hanging on?* Oral Presentation to the 11th Annual Conference on the Science of Dissemination and Implementation. Washington, D.C.

*Malone, Siegel, Newland, **McKay**. *Using i-PARIHS to understand pediatric surgeon's views on antibiotic prescribing for surgical prophylaxis*. Poster Presentation to the 11th Annual Conference on the Science of Dissemination and Implementation. Washington, D.C.

***McKay**, Cao, Sedlack, Combs. *The persistence of evidence-based behavioral interventions among HIV prevention providers*. Poster presentation to the Annual Conference for the Treatment of HIV. Chicago, IL.

2017

*Baumann, **McKay**, Prusaczyk, Gerke, Ramsey, Tabak, Morshed, Lewis, Small, Kryzer, Proctor. *Toolkits for Dissemination and Implementation of Evidence-Based Innovations: A Resource for Researchers*. Poster presentation to Institute for Public Health Annual Conference. St. Louis, MO.

***McKay**, Baumann, Prusaczyk, Kryzer, Gerke, Ramsey, Tabak, Morshed, Proctor. *Toolkits for Dissemination and Implementation of Evidence-Based Innovations: A Resource for Researchers*. Poster presentation to AcademyHealth Annual Research Meeting. New Orleans, LA.

2016

McKay, Combs, Luke. *Applying Agent-based Modeling to Dissemination & Implementation Research: An Innovative Simulation Approach to Complex Challenges*. Poster presentation to AcademyHealth Annual Research Meeting. New Orleans, LA.

2015

McKay, Dolcini, Hoffer. *When interventions end: The dynamics of intervention de-adoption and replacement*. Oral presentation submitted to 8th Annual Conference on the Science of Dissemination and Implementation. Washington D.C.

McKay, Hoffer, Dolcini. *Agent-based modeling: A new method for simulating intervention implementation*. Poster presentation submitted to 8th Annual Conference on the Science of Dissemination and Implementation. Washington D.C.

McKay, *Organizational climate, culture, capacity, and change: a conceptual and practical review for understanding organizational context and evidence-based practice*. Poster presentation at the Public Health Services & Systems Research Keenland Conference. Lexington, KY.

2014

McKay, Dolcini, Catania. *Supervisor Turnover: How does it impact evidence-based programs?* Oral Presentation at the American Public Health Association Annual Meeting and Exposition. New Orleans, LA.

Cleveland, Bedwell, **McKay**. *Military services members and veterans attending college do not identify mental health services as an unmet need*. Poster presentation at the Oregon Public Health Association Annual Meeting and Conference. Corvallis, OR.

McKay, Dolcini, & Catania. *"My job was already two jobs": The impact of personnel*. Health Services & Systems Research Keenland Conference, Lexington, KY.

2012

Catania, Dolcini, Gandelman, Conte, & **McKay**. *Funding reductions in HIV behavioral intervention impact program fidelity*. Oral presentation to the annual meeting of the American Public Health Association, San Francisco, CA.

Conte, Catania, **McKay**, & Dolcini. *Impact of time restraints on program fidelity in a counseling and testing HIV intervention*. Poster presented to the annual meeting of the American Public Health Association, San Francisco, CA.

McKay, Catania, Dolcini, & Conte. *Adaptations to an HIV counseling and testing intervention from a counselor perspective*. Poster presentation to annual meeting of the Oregon Public Health Association, Corvallis, OR.

Catania, Dolcini, Gandelman, Bernell, Conte, & **McKay**. *The impact of the economic downturn on HIV behavioral intervention implementation*. Poster presented to the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.

McKay, & Brown. *Behavioral Immunity: An HIV Education Strategy*. Poster presentation to the annual Sigma Xi Student Research Conference, Raleigh, NC.

Invited Presentations & Guest Lectures

2023

Preserving Progress: Sustainability Capacity in Practice. Invited presentation for the Proyecto EVAT Annual Meeting. St. Jude Global. St. Jude Children's Pediatric Hospital. August.

Housing Insecurity and Climate Change. Invited panelist for the Systems Science for Social Impact Institute. Washington University in St. Louis. August.

Implementation Science: A Crash Course. Invited presentation to the Antimicrobial Stewardship, Infection Prevention, and Implementation Science Symposium. Washington University in St. Louis. July.

De-implementation: A Guided Tour and Research Trajectory. Guest lecture to T32 Fellows at ICAP Columbia University. February.

2022

Qualitative Data Analysis. Guest lecture to research design and methods course. Washington University in St. Louis. Brown School. October.

Drop your tools: the science of de-implementation. Guest lecture to the HIGH IRI Fellows 2022 Training. Washington University in St. Louis. September

De-implementation: A Guided Tour. Guest lecture to the D&I Interest Group. Harvard University. April.

2021

De-implementation in Implementation Science: Sometimes We Intervene Too Much. Guest lecture to health promotion planning and management course. University of North Carolina Charlotte. November.

Improve Linkage to HIV Treatment: The SMILE Memphis Model. Guest lecture to introduction to agent-based modeling course. Washington University in St. Louis. Brown School. October.

2020

Qualitative Methods in Implementation Science. Guest lecture to awardees of the Mentored Training in Implementation Science Program for early career faculty. Washington University School of Medicine. December.

De-implementation in Implementation Science: Sometimes we intervene too much. Guest Lecture for Dissemination and Implementation Science Course. Washington University School of Medicine. March & October.

2019

Implementation Science and HIV in Global Settings. Presentation to the 3rd Annual NCD, Hypertension, Cardiometabolic Disease and HIV Scientific Symposium. Kigali, Rwanda. August.

Using Qualitative Methods in Implementation Science. Presentation to the 3rd Annual NCD, Hypertension, Cardiometabolic Disease and HIV Scientific Symposium. Kigali, Rwanda. August.

The SMILE Memphis Modeling Project: A Work in Progress. Systems Science Interest Group. Washington University in St. Louis. St. Louis, MO. March

De-implementation in Implementation Science: Sometimes we intervene too much. Guest Lecture for Dissemination and Implementation Science Course. Washington University School of Medicine. March

2018

De-implementing low-value HIV prevention interventions: a work in progress. Pre/Postdoctoral Interdisciplinary Research Training in Translation Seminar. Washington University in St. Louis School of Medicine.

2016

Intervention Sustainability and De-adoption in HIV Prevention: Future Directions for D&I theory, D&I methods, and HIV Prevention. Center for Mental Health Services Research Seminar, George Warren Brown School of Social Work, Washington University in St. Louis.

2015

Simulating HIV Prevention. To Pecha Kucha. Knoxville, TN.

Examining the Sustainability of an HIV Prevention Intervention Using Simulation: An Early Look. To Master of Public Health Student Seminar. Department of Public Health. University of Tennessee.

2014

HIV Prevention Research – drawing from two projects to create a platform for future research and prevention. To Master of Public Health Student Seminar, Department of Public Health, University of Tennessee.

Workshops & Seminars

2021, 2023

Dissemination and Implementation Workshop. Center for Dissemination and Implementation. Invited Discussant.

2019

Systems Science for Social Impact. Brown School of Social Work Summer Training Program. Invited Discussant.

2018

Doctoral Seminar. Brown School of Social Work. Invited discussant.

2017

Master's Seminar. Department of Anthropology. University of Memphis. Invited discussant.

“De-Implementation Scientific Prospects and Challenges Workshop; To Have, To Hold, or To Let Go.” Hosted by the National Heart, Lung, and Blood Institute. Invited participant.

Grants, Awards, and Honors

Grants

Pending

2023-2024 Administrative Supplement to National Heart, Lung, and Blood Institute. **Assessing and Promoting Program Sustainability within the HLB SIMPLE Alliance.** In this supplemental funding proposal, we seek a dedicated, shared, cross-setting formative scientific examination of the sustainability through the lens of integrating cardiovascular disease care in HIV programs within participating HLB SIMPLE Alliance sites. To do so, we will conduct key informant, in-depth interviews with a range of stakeholders with analysis using a comparative case study approach. Lastly, we will conduct virtual and in-person qualitative research training to build capacity within the HLB SIMPLE Alliance, which will have benefits during and beyond the funding period. Parent Grant #5U24HL154426.

Role: Co-Investigator

2023-2024 \$50,000 Office of Vice Chancellor for Research Interdisciplinary Seed Grant Program. **Identifying low-value infection prevention measures for de-implementation.** The goal of this project is to launch a program of research to identify and eliminate low value infection prevention practices to improve patient care and reduce unnecessary burdens in the healthcare system. We will establish a method to characterize the types and frequency of low value infection prevention practices within a large single healthcare system. We will then generate set of recommendations prioritizing low value interventions and approaches to support their de-implementation.

Role: Principal investigator (Multi-PI with Dr. Jennie Kwon, WUSM)

Active

2023-2024 \$38,000 Center for Dissemination and Implementation. **Implementation of a Sustainable STI Screening Program in the Pediatric ED.** Guided by the Practical, Robust Implementation and Sustainability Model we will improve utilization of a STI screening program in St. Louis Children's Emergency Department. We will describe organizational and patient perspective and characteristics through staff responses to the Clinical Sustainability Assessment Tool and qualitative interviews which will influence implementation. We will measure RE-AIM outcomes and use maintenance cycles for continued sustainment. PI: Jane Alyce Hunt

Role: Co-Investigator

2023-2030 \$2.25M R37CA276215 National Cancer Institute. **Clinical Capacity and Sustainability of Pediatric Early Warning Systems to Improve Pediatric Oncology Outcomes in Resource-limited Settings.** The objective of this project is to identify clinical capacity determinants that impact the sustainment of an evidence-based intervention – Pediatric Early Warning Systems over time in low-resourced hospitals in Latin American providing treatment for pediatric oncology patients.

Role: Principal Investigator, (Multi-PI with Asya Agulnik, St. Jude Children's Research Hospital)

2023-2025 \$350,000 Missouri Foundation for Health. **Supporting Targeted and Coordinated HIV testing to End the Epidemic in the St. Louis Region.** The objective of this project is to optimize and harmonize HIV testing system in the St. Louis Region for those at increased risk for HIV including men who have sex with men, young adults, and black communities.

Role: Principal Investigator

2023-2024 \$50,000 Global Health Center. Institute of Public Health. **Implementation of a handshake stewardship intervention to address perioperative antibiotic use at the University of Ghana Medical Center.** As part of an ongoing collaboration which started through funding by the McDonnell Academy, we identified prolonged antibiotic use for surgical procedures beyond the recommended duration to be driving antibiotic overuse at the University of Ghana Medical Center (UGMC). We seek to implement and compare two interventions targeting perioperative antibiotics at the UGMC. Those interventions will

include a) educational modules followed by b) handshake stewardship (person-to-person counseling on appropriate and inappropriate antibiotic use). PI: Mattar, MD, Washington University School of Medicine

Role: Co-Investigator

- 2022-2024 \$275,000 R21DA057136. **Intersectional stigma among rural buprenorphine providers as a barrier to diffusion of harm reduction strategies and interventions to enhance engagement in treatment use disorders.** This project investigates the mechanisms through which intersecting drug, HIV and sexuality-based stigmas influence providers' diffusion, acceptance and adoption of opioid use disorder and HIV prevention harm reduction practices and prescribing of buprenorphine, naltrexone and PrEP among providers working in primary care settings at Federally Qualified Health Centers in rural Missouri. PI: Marotta, PhD, Washington University in St. Louis
Role: Co-Investigator
- 2022 \$6,500. Women Informing Now Micro-Grant awarded to the International Community of Women Living with HIV North America to provide **Healing Together**. A stigma reduction program for cis-gender women of color living with HIV provided by the International Community of Women Living with HIV.
Role: Evaluator
- 2022-2025 \$5M P30AI117943. **Implementation Science Coordination and Collaboration Initiative.** This supplement award aims to synthesize HIV-specific D&I knowledge to improve the integration and use of implementation research methods and findings by researchers and practitioners; inform, design, and pilot a national resource consortium for HIV implementation research. Multi-PIs, Benbow, PhD, Mustanski, PhD, D'Aquila, MD; Northwestern University
Role: Co-Investigator
- 2020-2025 \$4.9M. P50 HD103525-01S1. **Supporting the health and well-being of children with intellectual and developmental disability during COVID-19 pandemic.** The goal of the IDDRC RADx-UP is to determine the best implementation strategies to maximize use of a saliva-based SARS CoV-2 diagnostic test for vulnerable children and their caregivers in a special school setting by assessing local and national attitudes about COVID-19 and testing. Multi-PIs: Constantino, MD, Gurnett, MD, Newland, MD; Washington University School of Medicine
Role: Co-Investigator
- 2019-2024 \$1.8M R01CA235615. **RCT to Evaluate an Implementation Strategy to Increase Optimal Use of HPV Vaccine in Primary Care.** The ultimate goal is to provide critical new knowledge in how to change care delivery in the primary care setting to ensure optimal use of the human papilloma virus (HPV) vaccine. Primary prevention of HPV-related urogenital and oropharyngeal cancers could significantly reduce morbidity, mortality, and healthcare costs associated with these commonly occurring cancers. PI: Newland, MD, Washington University School of Medicine
Role: Co-Investigator
- 2019-2024 \$1.55M R01HS026742. **De-Implementation of Unnecessary Surgical Antibiotic Prophylaxis in Children.** This study will identify and test interventions to reduce unnecessary antibiotic use in children undergoing surgical procedures. Results from this study will be disseminated to other hospitals that perform surgeries in children, leading to a significant reduction in unnecessary antibiotic use. PI: Newland, MD. Washington University School of Medicine
Role: Co-Investigator
- 2018-2023 \$13.8M. P01CA25597 **ASPiRE: Advancing Science and Practice in the Retail Environment.** Three innovative research projects examining the degree to which tobacco retailer density contributes to tobacco use and tobacco-related disease over time using archival data, evaluate the impact of local

retail interventions on tobacco use outcomes using data from a longitudinal panel of tobacco users adult smokers, and developing computational modeling to simulate community-level interventions to understand how changes in the built and consumer environments may lead to improved public health. Multi-PIs: Luke, PhD, Washington University School in St. Louis; Ribisil, PhD, University of North Carolina; Henrickson, PhD, Standford University.

Role: Co-Investigator

2017–2026

\$1.2M. UL1TR002345. **Dissemination and Implementation Research Core (DIRC)** within the Institute of Clinical and Translational Sciences (ICTS) a CTSA site at Washington University in St. Louis. Provides consultation to ICTS researchers interested in incorporating dissemination and implementation research approaches into their research proposals. PI: Powderly; Director: Geng, Washington University School of Medicine

Role: Key Personnel

Concluded

2020-2023

\$423,000 K23HD098315. **Oxygen for intrauterine resuscitation: Investigating the role of oxidative stress.** The central goal of this proposal is to study the effect of peripartum maternal oxygen administration on free-radical induced oxidative stress in the mother and fetus in order to address the safety of such a ubiquitous practice. PI: Raghuraman, MD, Washington University School of Medicine.

Role: Advisor/Consultant

2020-2023

\$50,000. St. Jude Children’s Research Hospital. **Validate CSAT.** The goal of this pilot study is to translate, adapt, and validate the clinical sustainability assessment tool (CSAT) for use in pediatric oncology centers in Central and South America. The ultimate goal will be to examine the clinical capacity factors which drive sustainment of PEWS, a clinical tool to assess pediatric cancer patients implemented in oncology centers.

Role: Principal Investigator

2019-2023

\$500,000 R18HS026704. **Implementation of Electronic Health Screening in Primary Care to Improve STI Testing.** This program seeks to take an existing clinical decision support tool currently being used to identify adolescents in the emergency department in need of STI testing and implementing in the pediatric primary care setting. PI: Ahmad, MD, Washington University School of Medicine.

Role: Co-Investigator

2020-2021

\$40,050. Institute of Public Health, Washington University in St. Louis. **Frontline healthcare personnel and hospital incident command system perspectives of infection prevention and crisis management during the COVID-19 pandemic.** We will conduct a qualitative study of frontline healthcare personnel at Barnes-Jewish Hospital addressing themes related to infection prevention, perception of risk, and crisis management during the COVID-19 pandemic. We will also conduct a qualitative study of emergency managers, hospital leaders, and other hospital incident command stay at Barnes-Jewish Consortium hospitals focusing on organizational decision-making and dissemination and implementation challenges encountered during the COVID-19 pandemic. PI: Liang, MD, Washington University School of Medicine.

Role: Co-Investigator

2019-2022

\$30,000 P50CA24431. **Washington University Implementation Science Center for Cancer Control (WU-ISCCC).** The overall goal of the WU-ISCCC is to build a rigorous, scientific evidence base for rapid-cycle implementation research to increase the reach, external validity, and sustainability of effective cancer control interventions focusing on disadvantaged and minority populations in rural and other under-served communities. PI: Brownson, DrPH, Colditz, MD, Washington University School of Medicine.

Role: Project Lead/Pilot recipient

- 2019-2020 \$30,000. Institute of Public Health. Washington University School of Medicine. **Optimizing Donor Care in Lung Transplantation.** Our group, as well as others, have demonstrated a lung protective management (LPM) algorithm significantly improves lung utilization in brain dead donors, increasing usability to approximately 35%. The aim of this project is to develop D&I strategies for LPM in brain dead donors to encourage wide adoption of LPM for donor management at organ procurement organizations (OPOs) nationally. PI: Varun Puri, MD, Washington University School of Medicine.
Role: Co-Investigator
- 2018-2020 \$200,000. Craig H. Neilsen Foundation. **Patient Engagement Intervention in Inpatient Spinal Cord Injury Rehabilitation.** Adapting and testing and evidence-based intervention to enhance engagement and outcomes for patients with spinal cord injuries. PI: Wong, PhD, Washington University School of Medicine.
Role: Co-Investigator
- 2017-2020 \$275,000. R21MH115772. **De-implementation of Low-value HIV Prevention Interventions.** Exploratory research project to understand the extend of intervention de-implementation among HIV prevention organizations and the processes involved in de-implementing interventions.
Role: Principal Investigator
- 2018-2020 \$30,000. Institute of Public Health. Washington University School of Medicine. **Formative research for system-level support to improve entry into HIV treatment.** A pilot project to describe and model referral networks associated with an evidence-based linkage to care program in Memphis, Tennessee.
Role: Principal Investigator
- 2019 \$214,900. Missouri Department of Health. **Antibiotic Stewardship Activities.** Assess Antimicrobial Stewardship Activities in Missouri Hospitals, provide multi-drug resistant organism (MDRO) and stewardship expertise through consultation and regular webinars, assess Missouri healthcare facility interest in an MDRO registry. PI: Hsueh, MD, Washington University School of Medicine
Role: Co-Investigator
- 2018-2019 \$30,000. Institute of Public Health. Washington University School of Medicine. **De-implementation of Excess Antibiotic Prophylaxis in Adult Surgical Procedures.** A pilot project to understand antibiotic prescribing and beliefs among surgeons in community hospitals. PI: Newland, MD, Washington University School of Medicine
Role: Co-Investigator
- 2016-2017 \$8,600. T32 MH019960. National Institute of Mental Health. **GWB Mental Health Service Research Training.** PI: Enola Proctor, PhD, Washington University in St. Louis.
Role: Postdoctoral Research Fellow

Awards

- 2022 Society for Implementation Research and Collaboration Mission Award Finalist. Accepted on behalf of the Center for Public Health Systems Science.
- 2015 \$750. Graduate Student Travel Award. College of Public Health and Human Sciences, Oregon State University.
- 2015 \$3,000. Ruth E. Warnke Graduate Fellowship for Dissertation Research, College of Public Health and Human Sciences, Oregon State University.

- 2011–2015 \$30,000. Provost’s Distinguished Graduate Fellowship, Oregon State University. Award + tuition remission for the 1st year of enrollment; tuition remission + guaranteed assistantship for 3 subsequent years.
- 2009 \$400. Grants in Aid of Research. Sigma Xi, The Scientific Research Society.
- 2009 \$2,000. Study Abroad Travel Scholarship. University of Memphis.

Professional Affiliations

Society for Implementation Research (SIRC)

Teaching & Mentoring Experience

Teaching

- 2022–2024 Faculty Member, HIV, Infectious Disease, and Global Health Implementation Research Institute (HIGH IRI).
- 2022 Instructor, Systems Science for Social Impact Institute, Washington University in St. Louis. Instructor teaching Systems Science Thinking and Principles.
- 2016 Instructor, College of Public Health and Human Sciences, Oregon State University. Instructor teaching H100: Introduction to Public Health, online.
- 2012–2015 Graduate Teaching Assistant, College of Public Health and Human Sciences, Oregon State University. Instructor teaching H 312: HIV/STIs from a Global Perspective and H 100: Introduction to Public Health.
- 2011 Instructor, College of Arts and Sciences, Technical College of the Lowcountry. Instructor teaching Anthropology 101: General Anthropology.
- 2009–2010 Graduate Teaching Assistant, Department of Anthropology, University of Memphis. Instructor teaching Anthropology 1200: Introduction to Cultural Anthropology.

Mentoring

- Early Career*
- Christopher Kemp, PhD – HIV, Infectious disease, and Global Health Implementation Research Institute (HIGH IRI) Fellow – 2022-2024
- Cho-Hee Shrader, PhD – HIV, Infectious disease, and Global Health Implementation Research Institute (HIGH IRI) Fellow – 2022-2024
- Sonali Andavi, MD – HIV, Infectious disease, and Global Health Implementation Research Institute (HIGH IRI) Fellow – 2022-2024
- Aditi Ramakrishnan, MD – KL2 Institute for Clinical and Translational Science Scholars Program
- Nandini Raghuraman, MD – K23 Mentored Patient-Oriented Research Career Development Award 2020-2023
- Ingrid Wilson, MD – KL2 Institute for Clinical and Translational Science Scholars Program 2020-2021
- Enyo Ablordeppey, MD – K12 Mentored Training in Implementation Science Fellow 2019-2021
- Postdoctoral*
- James Merle, PhD *expected completion 2024*
- Alithia Zamantakis, PhD *expected completion 2024*
- Corey Bradley, PhD *expected completion 2023*
- Ed Tsai, PhD 2022
- Rebecca Legnick-Hall, PhD 2021

	Joseph Ornstein, 2020
<i>Doctoral</i>	Greg Gross, <i>expected completion 2025</i> Callie Walsh Bailey, <i>expected completion 2024</i> Ryan Walsh, <i>expected completion 2023</i> Sara Malone, MSW, PhD 2022 Ryan Singh, PhD 2020 Cole Hooley, PhD 2019 Alexandra Morshed, PhD 2019
<i>Master</i>	Gabriella Schmidt-Grimminger, Institute of Public Health Summer Intern 2022 Emmanuel Tetteh, MPH 2021 Miranda Reid, MPH 2020 Lucy Ingaiza, MPH 2020 Sithembile Chitenga, MPH 2020 Chao Cao, MPH 2018
<i>Undergrad.</i>	Collin McGovern, BA <i>expected completion 2024</i> Colette Camby, Institute of Public Health Summer Intern 2019 Chinmayi Venketram, Institute of Public Health Summer Intern 2019

Professional & Community Service

Application & Proposal Review

2022	Grant Reviewer. Washington University Implementation Science Center for Cancer Control (WUISCCC) Pilot Program. Washington University in St. Louis.
2021, 2023	Application Reviewer. HIV, Infectious Disease, and Global Health Implementation Research Institute (HIGH IRI). Washington University in St. Louis.
2020	Early Career Reviewer Program. Population and Public Health Approaches to HIV/AIDS Study Section. National Institutes of Health.
2019-2021	Grant Reviewer. Proposals and applications submitted to the Advancing Science and Practice in the Retail Environment (ASPiRE) Pilot Program.
2019	Ad Hoc Grant Reviewer. National Science Foundation. Grant Reviewer. Proposals and applications submitted to the K12 Mentored Training in Implementation Science (MTIS) Career Development Program.
2018, 2022, 2023	Grant Reviewer. Grant proposals submitted to the Center for Dissemination and Implementation Pilot Grant Program.
2017-2019	Application Reviewer. Applications to the Brown School of Social Work Public Health PhD program.
2016-present	Grant Reviewer. Proposals submitted to Washington University Network for Dissemination and Implementation Research (WUNDIR).

Consultant

2019-present	K12 Mentored Training in Implementation Science (MTIS) Career Development Program.
2018-present	Dissemination and Implementation Science Boot Camp. Hosted by the Center for Dissemination and Implementation
2015	Developing application and web-based platform for data collection to track product use and potential effects for the non-profit organization Uzima Water Filters, 501(c)3.

Manuscript Review

2023	Families, Systems, and Health – Special Issue
2022	British Medical Journal: Open Biomedcentral: Health Services Research
2020-2021, 2023	Implementation Science Communications
2020	AIDS & Behavior

Implementation Science
Journal of the National Cancer Institute
2019, 2022 PLOS One
2019 Health Research Policy and Systems
2017-2022 Translational Behavioral Medicine: Practice, Policy, and Research.
2017 British Medical Journal: Quality & Safety.
2016 Journal of Acquired Immune Deficiency Syndromes.

Abstract Review

2020 Abstracts submitted to the Annual Conference on Dissemination and Implementation in Health.
2015 Reviewing abstracts submitted to the Student Assembly Section of the Annual American Public Health Association Annual Conference.

Committee Member

2019-Present Steering Committee Member. Fast Track Cities: St. Louis.
2018-2020 Data and Research Sub-Committee Member. Ending the Epidemic Strategic Planning Committee. Memphis, TN.