BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
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NAME: Isabelle Cohen

eRA COMMONS USER NAME (credential, e.g., agency login): IMCOHEN

POSITION TITLE: Assistant Professor of Public Policy & Governance

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
College of William & Mary, Williamsburg, VA	BA	05/2011	International Relations
College of William & Mary, Williamsburg, VA	MPP	05/2012	Public Policy
University of California, Berkeley, CA	PhD	05/2021	Economics

A. Personal Statement

I am an Assistant Professor of Public Policy & Governance, and my research focuses on development economics, with specializations in technology and women's empowerment. My PhD is in Economics, including concentrations in development economics and public finance. I have a broad background in research, having served as a principal investigator on field projects in India, Uganda and Nigeria. As a PI or co-Investigator on grants funded by various foundations and USAID, I have been actively engaged in field research, chiefly large-scale randomized control trials of programs and policies, for the past seven years. My experience in research administration has included successful project management, collaboration with other researchers, and the production of working papers and peer-reviewed journal articles. I am well-versed in the issues and complexities of field research, including close collaboration with other researchers and in-country implementing partners in challenging contexts. This project builds on my broader expertise in field experiments in developing countries, including designing, overseeing, and analyzing data from household surveys, as well as expertise in randomized control trials and other relevant methods. More specifically, the project continues my on-going collaboration with the Centre for Girls' Education (CGE), the organization running the Pathways program. My work with them has included writing an academic manuscript based on the original Pathways intervention from 2018 to 2020, including data cleaning and rigorous analysis using the original cluster-randomized design, and involvement in an on-going related study focusing on increasing health care utilization and empowerment among married adolescents in Kano state. The second project is an on-going collaboration; we recently completed and analyzed the baseline survey, and CGE is currently running their intervention. These projects have given me significant academic expertise on adolescent girls of northern Nigeria, as well as practical experience in running projects along the lines of that which I propose here in this specific context. In summary, I am well-qualified in the training, knowledge, and motivation necessary to successfully carry out the proposed research.

On-going and recently completed projects relevant to the proposed research include:
Teacher Rotation and Student Outcomes: Experimental Evidence from Uganda
This study uses a cluster-randomized evaluation to study the effects of a transfer-based reward system for primary teachers on teachers and students.
Joint with Fred Finan, Ernesto Dal Bó, David Schönholzer and Kizito Omala
Role: Co-PI
Funding includes USAID DIV ($900,000), USAID EDI ($130,000) and JPAL GI ($243,822)

The Demand for Digital Identification amongst Small Enterprise Owners in Uganda
This study uses randomized evaluation and a willingness-to-pay exercise to study Uganda's new digital identity verification app, called UGPass, among the owners of small and medium-sized businesses in Kampala.
Joint with Emma Riley
Role: Co-PI
Funding includes JPAL DigiFi Africa ($262,954)

Pathways to Choice: Delaying Marriage and Increasing Education via Safe Spaces
This study uses cluster-randomized evaluation to study the effects of the Pathways program in Northern Nigeria immediately following the conclusion of the program in 2020.
Joint with Maryam Abubakar and Daniel Perlman
Role: Co-PI

Relevant Manuscripts and Publications:

1. Cohen, Isabelle. Crowd in or Crowd Out? The Subnational Fiscal Response to Aid. World Development 164. DOI: 10.1016/j.worlddev.2022.106180
2. Cohen, Isabelle, Maryam Abubakar and Daniel Perlman (2022). Pathways to Choice: Delaying Marriage and Increasing Education via Safe Spaces. Working Paper.
3. Linos, Katerina et. al. (2021). How Do Disadvantaged Groups Seek Information about Free Services? A Randomized Control Trial of Alternative Communication Technologies. Public Administration Review 82(4). DOI: 10.1111/puar.13437

B. Positions, Scientific Appointments, and Honors

Positions and Scientific Appointments

2022 – present Member, Association for Public Policy Management and Analysis
2021 – present Assistant Professor, Evans School of Public Policy & Governance, University of Washington
2021 – present Consultant, The OASIS Initiative, University of California, Berkeley
2020 – present Member, American Economic Association

Honors

2022 APPAM Award for Best Dissertation in Public Policy and Management, Honorable Mention
2018 George Break Prize in Public Finance, University of California, Berkeley

C. Contributions to Science

1. The research stream upon which this work builds most closely focuses on understanding the dynamics that drive early marriage and high fertility among adolescent girls in Northern Nigeria. These projects involve cluster-randomized methodologies paired with surveys and the implementation of complex bundled safe spaces programs with unmarried out-of-school adolescent girls and married adolescent girls.

a. "Pathways to Choice: Delaying Marriage and Increasing Education via Safe Spaces," a full draft based on a cluster-randomized control trial in northern Nigeria, joint with Maryam Abubakar (Ahmadu Bello University) and Daniel Perlman (OASIS Initiative).
b. "Safe Spaces for Married Adolescents," a new project planned as a cluster-randomized control trial in Nigeria, joint with Sarah Blake (OASIS Initiative) and funded by the OASIS Initiative; the baseline survey was conducted from June-July 2022.

2. Another stream of research in which I have made significant contributions focuses on technological and organization innovations in developing countries and other relevant contexts. In this set of research, I use large-scale randomized control trials to explore how different technological and organization innovations affect the services provided or accessed by governments and socially-oriented non-governmental organizations. Selected works include:

a. "How Do Disadvantaged Groups Seek Information about Public Services? A Randomized Controlled Trial of Communication Technologies," joint with Katerina Linos (UC Berkeley), Melissa Carlson (Stanford), Laura Jakli (Harvard) and others, published in fall 2021 at *Public Administrative Review*.
b. "Technology and the State: Building Tax Capacity via Text," a full draft (solo authored), based on a 2019 experiment with the Uganda Revenue Authority on text messages and tax compliance, funded by the International Growth Center (IGC). In the last year, I presented this paper at the CSSS seminar at UW, the National Tax Administration (NTA) conference, and the Pacific Conference for Development Economics (PACDEV). Findings have received media coverage on VoxDev's Development Economics podcast, an IGC blogpost, The Conversation, and a J-PAL Policy Insight Brief.
c. "Teacher Rotation and Student Outcomes: Experimental Evidence from Uganda," a randomized evaluation joint with Fred Finan (UC Berkeley), Ernesto Dal Bó (UC Berkeley), David Schönholzer (IIES) and Kizito Omala (Makerere University) on using performance-linked transfers as motivation for teachers, funded by USAID's Development Innovation Ventures (among others), and just now resuming after COVID-19-related school closures.
d. "The Demand for Digital Identification Amongst Small Enterprise Owners in Uganda," a randomized evaluation joint with Emma Riley, funded by the Digital Identification and Finance Initiative in Africa, planned to roll out in 2024.

3. A third stream of research in which I am engaged involves causally-identified secondary and survey data analysis focused on fiscal administration. Selected works include:
a. "The Costs of Splitting: Administrative Unit Proliferation and Economic Growth in Uganda," a solo-authored paper assessing the effects of decentralization. This paper was accepted for publication at *World Bank Economic Review* in winter 2024.
b. "Crowd-In or Crowd-Out? The Subnational Fiscal Response to Aid," a solo-authored paper examining subnational allocations of funds in response to exogenous shifts in World Bank funding across districts in Uganda. This paper was published in *World Development* in winter 2023.

BIOGRAPHICAL SKETCH

NAME: Sherr, Kenneth

eRA COMMONS USER NAME: KSHERR

POSITION TITLE: Professor, Department of Global Health
Adjunct Professor, Department of Industrial and Systems Engineering
Adjunct Professor, Department of Epidemiology
Director, UW/FH CFAR Implementation Science Core
University of Washington, Seattle, WA, USA

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion	FIELD OF STUDY
Kenyon College, Gambier, OH	BA	05/1995	Anthropology/Sociology
University of Washington, Seattle, WA	MPH	03/2000	Health Services
University of Washington, Seattle, WA	PhD	08/2009	Epidemiology

A. Personal Statement

I have substantial implementation science expertise to contribute to Girls 4 Health. My professional efforts focus on supporting the implementation and scale-up of evidence-based interventions through research and training in implementation science, with a focus on sub-Saharan Africa. Prior to joining the Department of Global Health at the University of Washington I worked with the Ministry of Health in Mozambique to develop the first prevention of mother-to-child HIV transmission and linked care and treatment centers in the country and was later seconded to the Ministry of Health to support nationwide scale-up. My research interests and expertise have grown out of this experience and focus on developing implementation strategies to strengthen primary health care services to improve the delivery of evidence-based guidelines that address prevalent causes of morbidity and mortality in resource constrained settings. This research has included quasi-experimental studies to generate evidence on audit and feedback strategies for maternal and child health interventions; observational studies to assess the quality of HIV care provided by mid-level clinical cadres; and experimental studies to assess the effectiveness of systems engineering strategies for complex care cascades. Additionally, this research integrates implementation science methods, models and frameworks to promote systematic assessment of implementation determinants as well as implementation outcomes that are active ingredients for public health impact. As faculty of the Department of Global Health at the UW, Director of the UW/FH Center for AIDS Research's Implementation Science Core, and Director of the NIH-funded Research Alliance in Implementation Science to End HIV (RAISE) consultative hub, I have led efforts to adapt and deploy implementation science methodologies for diverse settings as well as capacity-building efforts. This includes the PhD program in implementation science, graduate level courses on the fundamentals of implementation science in global health, and multiple online and in-person short-courses. Given my expertise in implementation science methods, I am well positioned to provide both methodological and practical guidance on Girls 4 Health study design and analysis.

Ongoing projects that I would like to highlight include:

R01HD092449 Sherr (PI)
04/2018-03/2023
Spreading the Integrated District Evidence-to-Action Program for Neonatal Mortality Reduction (IDEAs) in Mozambique
National Institutes of Health, Eunice Kennedy Shriver National Institute for Child Health and Human Development
The goal of this research is to scale-up and evaluate an audit and feedback implementation strategy for MNCH services to build evidence for its further spread in Mozambique.
Role: PI

1R01HL142412 Gimbel (PI)
05/2019-04/2024
Systems Analysis and Improvement Approach to Optimize the Hypertension Diagnosis and Care Cascade for HIV-Infected Individuals (SAIA-HTN)
National Institutes of Health, National Heart, Lung and Blood Institute
The goal of this research award is to adapt the SAIA to improve hypertension detection and management

through the HIV care cascade in Mozambique, and using a cluster RCT, assess its effectiveness.
Role: Co-I

UH3HL156390 Mocumbi (PI)
09/2022-08/2025
National Institutes of Health, National Heart, Lung and Blood Institute
Scaling out and scaling up the Systems Analysis and Improvement Approach to optimize the hypertension diagnosis and care cascade for HIV-infected individual (SCALE SAIA-HTN)
This project scales-up the SAIA-HTN strategy, and assesses the intervention's reach, effectiveness, adoption, implementation and maintenance (RE-AIM) to inform further national scale-up.
Role: Co-I

P30AI027757 Celum (PI)
06/2023-05/2028
Implementation Science Core, Center for AIDS Research: University of Washington/Fred Hutchinson Cancer
National Institutes of Health, National Institute of Allergy and Infectious Diseases.
The goal of the Implementation Science Core is to foster collaborative and interdisciplinary research, support HIV research career development of young investigators, and serve HIV investigators at our affiliated institutions.
Role: Implementation Science Core Director

R01MD015283 Lyon (PI)
09/2021-05/2026
National Institute of Minority Health and Health Disparities
Patients and families with limited English proficiency experience substantial barriers to communication in the healthcare setting, leading to medical care that is less safe, less efficient, less effective, and inequitable. Professional interpreter use has repeatedly been shown to improve outcomes and reduce disparities, yet it remains widely underused. This study evaluates two implementation strategies for improving professional interpreter use in primary care in Washington State.
Role: Co-I

R01NR019229 Feldacker (PI)
06/2012-03/2025
National Institutes of Health, National institute of Nursing Research
Expanding and Scaling Two-way Texting to Reduce Unnecessary Follow-Up and Improve Adverse Event Identification Among Voluntary Medical Male Circumcision Clients in the Republic of South Africa
The goal of this research is to evaluate a two-way texting approach that links providers and patients undergoing voluntary medical male circumcision.
Role: Co-I

Recent research projects that I would like to highlight include:

R01MH113435 Sherr (PI)
03/2017-02/2023
National Institutes of Health, National Institute of Mental Health
Scaling up the systems analysis and improvement approach for prevention of mother-to-child HIV transmission in Mozambique (SAIA-SCALE).
This project scales-up SAIA for pMTCT in Mozambique, and assesses the intervention's reach, effectiveness, adoption, implementation and maintenance (RE-AIM) to inform further national scale-up.
Role: PI

1R01HD0757 Sherr (PI)
09/2012-06/2016
Systems Analysis and Improvement to Optimize pMTCT in Kenya, Mozambique, and Côte d'Ivoire: A Cluster Randomized Trial
National Institutes of Health, National Institute of Child Health and Human Development
The goal of this research award was to identify determinants of pMTCT program performance, and to implement and assess a systems analysis and improvement approach for pMTCT programs.
Role: PI

Applicable manuscripts that I would like to highlight include:

1. Gimbel S, Rustagi A, Robinson J, Kouyate S, Countinho J, Nduati R, Pfeifer J, Gloyd S, **SHERR K**. Evaluation of a systems analysis and improvement approach to optimize pMTCT using the Consolidated Framework for Implementation Research. *J Acquir Immune Defic Syndr*. 2016;72S:108-116.
2. Kemp C, Weiner B, **SHERR K**, Kupfer L, Cherutich P, Wilson D, Geng E, Wasserheit J. Implementation science for evidence-based integration of HIV and non-communicable disease services in sub-Saharan Africa: A systematic review. *AIDS*. 2018, 32(Suppl 1):S93–S105.
3. Means A, Kemp C, Gwayi-Chore MC, Gimbel S, Soi C, **SHERR K**, Wagenaar BH, Wasserheit J, Weiner B. Evaluating and optimizing the Consolidated Framework for Implementation Research (CFIR) for use in low- and middle-income country settings: A systematic review. *Implementation Science.* 2020; 15 (1): 1-19.
4. **SHERR K**, Gimbel S, Rustagi A, Nduati R, Cuembelo F, Farquhar C, Wasserheit J, Gloyd S. Systems analysis and improvement to optimize pMTCT (SAIA): A cluster randomized trial. *Implementation Science*. 2014;9:55.
5. **SHERR K**, Ásbjörnsdóttir K, Crocker J, Coutinho MJ, Cuembelo F, Tavede E, Manaca N, Ronen K, Murgorgo F, Barnabas R, John-Stewart G, Holte S, Weiner B, Pfeiffer J, Gimbel S. Scaling-up the Systems Analysis and Improvement Approach for prevention of mother-to-child HIV transmission in Mozambique (SAIA-SCALE): a stepped-wedge cluster randomized trial. *Implementation Science*. 2019 Apr 27;14(1).

B. Positions, Scientific Appointments, and Honors

Positions and Scientific Appointments

2022-	Director, UW/Fred Hutch Research Alliance in Implementation Science to End HIV (RAISE) Consultative Hub, Seattle, WA
2019-	Professor, Department of Global Health; Adjunct Professor, Departments of Epidemiology and Industrial and Systems Engineering, University of Washington, Seattle, WA
2018-	Director, UW/Fred Hutch Center for AIDS Research Implementation Science Core, Seattle, WA
2014-2019	Associate Professor, Department of Global Health; Adjunct Associate Professor, Departments of Epidemiology and Industrial and Systems Engineering, University of Washington, Seattle, WA
2014-2019	Mozambique Program Director, Health Alliance International, Seattle, WA
2012-2018	Director, UW/FH Center for AIDS Research Implementation Science Scientific Working Group, Seattle, WA
2010-	Co-Director, Implementation Science Program, Department of Global Health, University of Washington, Seattle, WA
2010-2014	Adjunct Assistant Professor, Departments of Epidemiology and Industrial and Systems Engineering, University of Washington, Seattle, WA
2009-2014	Assistant Professor, Department of Global Health, University of Washington, Seattle, WA
2006-2008	Mozambique Country Director, Health Alliance International, Maputo, Mozambique
2004-2006	Technical Advisor, Health Alliance International, Seattle, WA
2002-2004	Chief Technical Advisor, HIV/AIDS Care and Treatment Initiative, Ministry of Health/Medical Care Department, Maputo, Mozambique
2000-2004	Mozambique Country Director, Health Alliance International, Manica and Sofala, Mozambique
1997-1998	HIS/Immunization Advisor, Minnesota International Health Volunteers, Ssembabule, Uganda
1995-1996	Immunization Outreach Advisor, Save the Children, Inquisivi, Bolivia

Other Experience and Professional Memberships

2019-	Expert Group Member, NIH/FIC Reciprocal Innovation Implementation Science (RIISe) Initiative
2019-2020	Faculty, 2019 Training Institute for Dissemination and Implementation Research in Health
2016	Invited Expert, Scaling-up for Reducing the NCD Burden, Global Alliance for Chronic Diseases
2015	Models for Accelerating Treatment Initiation Technical Consultation, BMGF
2015-	Member, Household Air Pollution Implementation Science Network, National Institutes of Health
2014	Scientific Advisory Panel, 7th Annual Conference on the Science of Dissemination and Implementation, NIH & Academy Health
2013	Participant, 6th NIH Meeting on Dissemination and Implementation Research: A Working Meeting on Research Training
2012-2015	Member, NIH/PEPFAR Implementation Science PMTCT Alliance
2011-2012	Guest Editor, *BMC Health Services Research* supplement entitled 'Improving primary health

care to achieve population health impact: the African Health initiative'

2011 Evaluating the Scale-up for the Millenium Development Goals, Rockefeller Foundation Center, Bellagio, Italy

2010 Moderator, Panel on Health Systems and Implementation Science, Consortium of Universities for Global Health Annual meeting, Seattle, WA

2002 Task Force Member, Ministry of Health/Clinton Foundation committee responsible for development of the National HIV/AIDS Care and Treatment Plan

2001 Technical Expert, WHO/AFRO panel on development of HIV Counseling & Testing guidelines

Honors

2015 Junior Investigator Selected Presentation, Centers for AIDS Research National Meeting

2012 UW/FHCRC CFAR New Investigator Award

2011 NIH/FIC Independent Scientist in Global Health Award

2008 International AIDS Society Young Investigator Award

1999-2000 Mortar Board Scholar, University of Washington, WA

1999 Shedd International Service Awardee, University of Washington, WA

1999 FLAS Title IV Language Fellow (French), University of Washington, WA

1999 Hatterlee Merit Scholar, University of Washington, WA

1995 Distinction on Senior Thesis, Kenyon College, OH

1994-1995 Dean's List, Kenyon College, OH

C. Contributions to Science

Systems Analysis and Improvement to Optimize Complex Care Cascades. Patient attrition along prevention, care and treatment cascades impedes programmatic effectiveness. Research on prevention, care and treatment cascades can deepen understanding of obstacles contributing to loss to follow-up, and identify and iteratively test strategies to address attrition. A research focus is the application of systems analysis to describe, highlight inefficiencies, and improve complex service cascades across multiple disease areas. This work includes the development and application of cascade analysis tools to describe linkages from screening with follow-up services, as well as leakage from follow-up services, to improve prevention of mother-to-child HIV transmission, adult and pediatric antiretroviral therapy, mental health disorders, cervical cancer screening and treatment, among others. This research has led to measurable improvements in cascade processes, and a generalizable model to assess and improve complex prevention, care and treatment cascades. I have been primary investigator, co-investigator, or mentor on these studies.

1. **SHERR K**, Ásbjörnsdóttir K, Crocker J, Coutinho MJ, Cuembelo F, Tavede E, Manaca N, Ronen K, Murgorgo F, Barnabas R, John-Stewart G, Holte S, Weiner B, Pfeiffer J, Gimbel S. Scaling-up the Systems Analysis and Improvement Approach for prevention of mother-to-child HIV transmission in Mozambique (SAIA-SCALE): a stepped-wedge cluster randomized trial. Implementation Science. 2019 Apr 27;14(1).
2. Wagner A, Crocker J, Liu S, Cherutich P, Gimbel S, Fernandes Q, Mugambi M, Ásbjörnsdóttir K, Masyuko S, Wagenaar BH, Nduati R, **SHERR K**. Making smarter decisions faster: systems engineering to improve the global public health response to HIV. *Current HIV/AIDS Reports*. 2019 Aug; 16(4):279-291.
3. Rustagi A, Gimbel S, Nduati R, Cuembelo F, Wasserheit J, Farquhar C, Gloyd S, **SHERR K**. Impact of a systems engineering intervention on PMTCT service delivery in Côte d'Ivoire, Kenya, Mozambique: a cluster randomized trial. *J Acquir Immune Defic Syndr*. 2016;72(3):e68-76. PMCID: PMC4911259.
4. Wagner AD, Gimbel S, Ásbjörnsdóttir KH, Cherutich P, Coutinho J, Crocker J, Cruz E, Cuembelo F, Cumbe V, Eastment M, Einberg J, Floriano F, Gaitho D, Guthrie BL, John-Stewart G, Kral AH, Lambdin BH, Liu S, Maina M, Manaca N, Matsuzaki M, Mattox L, Mburu N, McClelland RS, Micek MA, Mocumbi AO, Muanido A, Nduati R, Njuguna IN, Oluoch G, Oyiengo L, Ronen K, Soi C, Wagenaar BH, Wanje G, Wenger LD, **SHERR K**. Cascade analysis: an adaptable implementation strategy across HIV and non-HIV platforms. *J Acquir Immune Defic Syndr.* 2019 Dec; 82(Suppl 3): S322-331.

Novel Implementation Research Methods to Assess Complex Implementation Strategies. Robust health systems are essential for the delivery of efficacious interventions, and there are substantial gaps in the literature on how to strengthen and measure improvements in health systems. A body of my research has been devoted to developing models for strengthening health systems, as well as to develop, adapt and/or apply implementation

science methods to evaluate system-level implementation strategies in resource constrained environments. My role in this research has been as primary investigator, mentor for junior researchers, or co-investigator.

1. Gimbel S, Rustagi A, Robinson J, Kouyate S, Coutinho J, Nduati R, Pfeifer J, Gloyd S, **SHERR K**. Evaluation of a systems analysis and improvement approach to optimize pMTCT using the Consolidated Framework for Implementation Research. *J Acquir Immune Defic Syndr*. 2016;72S:108-116.
2. Kemp C, Weiner B, **SHERR K**, Kupfer L, Cherutich P, Wilson D, Geng E, Wasserheit J. Implementation science for evidence-based integration of HIV and non-communicable disease services in sub-Saharan Africa: A systematic review. *AIDS*. 2018, 32(Suppl 1):S93–S105.
3. Rubin Means A, Kemp C, Gwayi-Chore MC, Gimbel S, Soi C, **SHERR K**, Wagenaar BH, Wasserheit J, Weiner B. Evaluating and optimizing the Consolidated Framework for Implementation Research (CFIR) for use in low- and middle-income country settings: A systematic review. *Implementation Science.* 2020; 15 (1): 1-19.
4. **SHERR K**, Fernandes Q, Kanté A, Bawah A, Condo J, Mutale W, *et al*. Measuring health systems strength and its impact: Experiences from the African Health Initiative. *BMC Health Services Research.* 2017,17(Suppl 3):827.

From Pilot to Scale: Providing Evidence for Policy and Strategy Development. Translating effective pilot interventions to national scale and providing data for the development of national policy and strategy are essential steps to lead to population-level impact of implementation and health system improvement strategies. I have been a co-investigator, or primary investigator, on multiple studies designed to translate pilot initiatives into national programs, and to provide timely data for policymakers to develop national policy.

1. **SHERR K**, Ásbjörnsdóttir K, Crocker J, Coutinho MJ, Cuembelo F, Tavede E, Manaca N, Ronen K, Murgorgo F, Barnabas R, John-Stewart G, Holte S, Weiner B, Pfeiffer J, Gimbel S. Scaling-up the Systems Analysis and Improvement Approach for prevention of mother-to-child HIV transmission in Mozambique (SAIA-SCALE): a stepped-wedge cluster randomized trial. *Implementation Science*. 2019 Apr 27;14(1).
2. Gloyd S, Montoya P, Floriano F, Chadreque MC, Pfeiffer J, **GIMBEL-SHERR K**. Scaling-Up Antenatal syphilis screening in Mozambique: transforming policy to action. *Sex Transm Dis*. 2007; 34(7): S31-36.
3. Brentlinger PE, **SHERR K**, Mercer MA, Gloyd S. Scaling-up and sustaining insecticide-treated net coverage. *Lancet Infect Dis*. 2003; 3(8): 467.
4. **SHERR K**, Mussa A, Chilundo B, Gimbel S, Pfeiffer J, Hagopian A, Gloyd S. Brain drain and health workforce distortions in Mozambique. *PLoS ONE*. 2012;7:4.

Primary Health Care: Strengthening the Building Blocks. Complementing efforts to evaluate and strengthen health systems has been focused efforts to improve health system building blocks, notably in the areas of health management information systems and commodity management systems. My research in this area has led to improvements in provincial, district and facility-level management of essential health system building blocks. My role in this research has been as primary investigator, mentor for junior researchers, or co-investigator.

1. Wagenaar B, Stergachis A, Rao D, Hoek R, Cumbe V, Napúa M, **SHERR K**. The availability of essential medicines for mental healthcare in Sofala, Mozambique. *Global Health Action*. 2015;8:27942
2. Mutale W, Chintu N, Amoroso C, Awoonor-Williams K, Philips J, Baynes C, Michel C, Tayor A, **SHERR K**. Improving health information systems for decision making across five sub-Saharan countries: implementation strategies from the African Health Initiative. *Biomedical Central Health Services Research*. 2013;13(Suppl2):S9.
3. Wagenaar B, Gimbel S, Hoek R, Pfeiffer J, Michel C, Manuel JL, Cuembelo F, Quembo T, Afonso P, Porthé V, Gloyd S, **SHERR K**. Effects of a health information system data quality intervention on concordance in Mozambique: Time-series analyses from 2009-2012. *Pop Health Metrics*. 2015;13:9.
4. Wagenaar BH, Gimbel S, Hoek R, Pfeiffer J, Michel C, Cuembelo F, Quembo T, Afonso P, Gloyd S, Lambdin BH, Micek MA, Porthé V, Sherr K. Wait and consult times for primary healthcare services in central Mozambique: a time-motion study. *Global Health Action*. 2016;9:31980.

Human Resources for Health and HIV Care and Treatment. Health workforce scarcity impedes the delivery of HIV prevention, care and treatment interventions. Generation of an evidence-base on interventions to address trained health personnel shortages has been prioritized concurrent with efforts to scale-up HIV care and treatment. My doctoral dissertation focused on this area of research, specifically evaluating the quality of care and role of non-physician clinicians in the provision of antiretroviral therapy. These papers provided an evidence-base for engaging mid-level providers in HIV care and treatment, received a new investigator award at the 2009 International AIDS Society meeting, and has been included in multiple systematic reviews on task sharing.

Additional research has modelled human resource and budgetary needs to take HIV treatment to national scale. My role in this research has been as primary investigator, or co-investigator.

1. **SHERR K**, Pfeiffer J, Mussa A, Vio F, Gimbel S, Micek M, Gloyd S. The role of non-physician clinicians in the rapid expansion of HIV care in Mozambique. *J Acquir Immune Defic Syndr*. 2009;52:S20-23.
2. **SHERR K**, Micek M, Gimbel S, Gloyd S, Hughes J, John-Stewart G, Manjate R, Pfeiffer J, Weiss N. Quality of HIV care provided by non-physician clinicians and physicians in Mozambique: a retrospective cohort study. *AIDS*. 2010;24:S59-66.
3. Rustagi A, Manjate RM, Gloyd S, John-Stewart G, Micek M, Gimbel S, **SHERR K**. Perspectives of key stakeholders regarding task shifting of care for HIV patients in Mozambique: a qualitative interview-based study with Ministry of Health leaders, clinicians, and donors. *Human Resources for Health*. 2015 Apr 1;13:18. PMCID: PMC4387582.

Complete List of Published Work in MyBibliography:
https://www.ncbi.nlm.nih.gov/myncbi/kenneth.sherr.1/bibliography/public/