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FACULTY APPOINTMENTS

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| 2015 – Pres. | Associate Professor | <i>University of South Carolina</i> Department of Health Services, Policy & Management |
| 2015 – Pres. | Adjunct Associate Professor | <i>Duke University</i> Duke Global Health Institute |
| 2010 – 2015 | Associate Research Professor | <i>Duke University</i> Duke Global Health Institute & Center for Health Policy & Inequalities Research |
| 2007 – 2010 | Assistant Research Professor | <i>Duke University</i> Center for Health Policy & Inequalities Research & Department for Community & Family Medicine |

EDUCATION

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| 2000 | Doctor of Philosophy (Ph.D.) | Health Policy and Administration <i>University of North Carolina at Chapel Hill</i> Chapel Hill, NC |
| 1996 | Master of Science (M.S.) | Health Policy and Management <i>University at Albany</i> Albany, NY |
| 1994 | Vordiplom (B.A. equivalent) | Business Administration & Economics <i>Universität Rostock</i> Rostock, Germany |

POSTGRADUATE / TRAINING

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| 2000 – 2005 | Research Associate | <i>Duke University</i> Center for Health Policy, Law and Management Durham, NC |
| 1996 – 2000 | Research Assistant | <i>University of North Carolina at Chapel Hill</i> Cecil G. Sheps Center for Health Services Research Chapel Hill, NC |
| 1996 | Intern | <i>Centers for Disease Control and Prevention</i> Public Health Practice Program Office Atlanta, GA |
| 1994 – 1996 | Research Assistant | <i>New York State Department of Health</i> New York State Trauma Registry & <i>University at Albany</i> Department of Health Policy and Management |
| 1995 | Intern | <i>Centers for Disease Control and Prevention</i> National Center for Health Statistics Hyattsville, MD |

RESEARCH INTERESTS (Sections for NIH Biosketches)

I am a health services researcher who focuses on individuals' decision making around health and preventive behaviors. My research targets the intersection of health policy and health economics, access and outcomes disparities, and inefficiencies in resource allocation. I firmly believe in the use of robust and innovative methods and the use of experimental or quasi-experimental designs to support causal inferences and inform policy.

Global and US-based research. I have led diverse projects in the United States and multiple low- and middle-income countries in northern and sub-Saharan Africa, southeast Asia, and central America. Examples of my international work include a randomized controlled trial (RCT) evaluating whether preference-matched HIV testing offers increase rates of HIV testing in an urban setting in Tanzania, an mHealth-focused RCT evaluating whether SMS reminders and conditional financial incentives improve the timeliness of childhood vaccinations in rural Tanzania, a 15-year study of the wellbeing of orphaned and abandoned children in Cambodia, India, Ethiopia, Kenya, and Tanzania, a UNICEF-funded evaluation of a national cash transfer program to improve educational outcomes of children in Tunisia, and an evaluation of a program to improve the quality of care in child development centers in El Salvador. My U.S.-based research has covered topics ranging from alcohol consumption and smoking to hospice care policy to HIV treatment preferences and HPV vaccination uptake.

Health preferences research. I am a founding member of the International Academy of Health Preference Research (IAHPR) and have been PI on several studies that used stated preference survey methods, including discrete choice experiments and contingent valuation methods, to elicit individuals' valuations of health-related goods and services, both in the U.S. and internationally.

Improving the wellbeing of children in adversity. I am co-PI for an ongoing 15+ year study of the wellbeing of orphaned and abandoned children in Tanzania, Kenya, Ethiopia, India, and Cambodia. The Positive Outcomes for Orphans (POFO) study has led to numerous other studies focused on the wellbeing of children in adversity, including in Tunisia, Malawi, and El Salvador.

Increasing uptake of HIV testing. I have been involved in numerous research studies to evaluate alternative policy options for increasing uptake of HIV testing in East Africa. We characterized the HIV testing preferences of diverse populations, assessed uptake of facility-based, home-based, and mobile HIV testing, and documented the cost-effectiveness of free vs. fee-based HIV counseling and testing as well as alternative HIV re-testing strategies in sub-Saharan Africa.

Improving uptake of vaccinations. I am currently leading a NICHD-funded, mHealth-focused R01 in which we are evaluating the effectiveness of a community-based digital health intervention for improving the timeliness of childhood vaccinations. This study extends prior work for which we developed an open-source digital health system that autonomously sends SMS reminders and conditional incentives. I was also a co-Investigator on a CDC funded study that sought to improve the uptake of HPV vaccinations among adolescents in the US.

Understanding and addressing health disparities in the southern United States. Over two decades, I have engaged in research aiming to quantify and mitigate disparities in health care access and health outcomes, with a specific focus on the Southern United States. Work included, for example, the analysis of longitudinal chart data and psychosocial characteristics of a cohort of >600 patients living with HIV (PWH) who were in care at six infectious disease clinics in the U.S. South, telehealth preferences of PWH in North and South Carolina, efforts to develop new methods for designating health professional shortage areas, and studies of vaccine uptake and vaccine hesitancy in 13 southern states.

Informing health care supply and regulation. Other prior and ongoing research interests have focused on health care supply, costs, and regulations. Applications included the cost implications of long-term hospice use, predicting the impact of additional specialty service providers in regulated hospital markets, identifying antecedents and motivations for hospital ownership conversions and mergers, modeling the balance between health care supply and demand, specifically concerning the health workforce, and developing an underservice index to inform regional and national capacity planning. I am currently working on a NIMHD funded R21 seeking to characterize health providers' location preferences in order to inform policies and regulations aimed at ensuring adequate supply of healthcare providers in rural and underserved areas in the U.S.

PUBLICATIONS

Books

1. Sloan FA, **Ostermann J**, Picone G, Conover CJ, and Taylor DH. *The Price of Smoking*. MIT Press. Cambridge, Massachusetts, 2004.

Manuscripts (** indicates publications led by mentored or co-mentored students)

2023

101. ****Yelverton V**, ***Gass SJ**, ***Amoatika D**, ***Cooke C**, **Ostermann J**, Natafqi N, Hair NL, Olatosi B, Owens OL, Qiao S, Li X, Derrick C, Weissman S, Albrecht H. "The future of telehealth in HIV care. A qualitative study of patient and provider perspectives in South Carolina." *AIDS Patient Care and STDs*. *AIDS Patient Care and STDs*. 2023 Oct;37(10):459-468. doi: 10.1089/apc.2023.0176
100. ****Aggarwal A**, Zhang R, Qiao S, Wang B, Lwatula C, Menon A, **Ostermann J**, Li X, Harper G. "Physician-patient interaction quality mediates the association between HIV-related stigma and HIV-prevention behaviors among sexual minority men in Zambia." *AIDS and Behavior*. 2023 Oct 24. doi: 10.1007/s10461-023-04171-4
99. van Til JA, Pearce A, Ozdemir S, Hollin IL, Peay HL, Wu A, **Ostermann J**, Deal K, Craig BM. "Role Preferences in Medical Decision Making: relevance and implications for health preference research" *The Patient*. 2023 Oct 24. doi: 10.1007/s40271-023-00649-4.
98. Gillette C, Locklear T, Bell R, Bates N, **Ostermann J**, Reuland D, Foley K, Lashmit C, Crandall S. "American Indian/Alaska Native men are less likely to receive prostate-specific antigen testing and digital rectal exams from primary care providers than White men: a secondary analysis of the National Ambulatory Medical Care Survey from 2012-2018." *Cancer Causes and Control*. 2023 May 23. doi: 10.1007/s10552-023-01714-x.
97. **Ostermann J**, Grzimek V, Hair N, Gong W, Zheng S, Whetten K, Thielman N. How poor is your sample? Estimating wealth index scores for small and non-representative samples. *Global Health Science and Practice*. 2023 Apr 28;11(2):e2200394. doi: 10.9745/GHSP-D-22-00394.
96. ****Siddiqi KA**, Gwynn M, Olatosi B, **Ostermann J**. "Associations between clinic-based human immunodeficiency virus (HIV) testing guidelines and population-level HIV testing rates in the United States." *Journal of the Association of Nurses in AIDS Care*. 2023 May 4. doi: 10.1097/JNC.0000000000000412.
95. **Ostermann J**, Vasudevan L, Moses S, Ngadaya E, Mfinanga S, Baumgartner JN. "Is the intention to vaccinate enough? Systematic variation in the value of timely vaccinations and preferences for non-monetary incentives among pregnant women in southern Tanzania." *Vaccine-X*. 2023 Jan 23;13:100266. doi: 10.1016/j.jvacx.2023.100266.
94. ****Alshareef N**, Cozad M, Macaуда M, **Ostermann J**, Thigpen C. Patient Attitudes and Beliefs Associated with Self-Referral to Physical Therapy for Musculoskeletal Complaints: A Qualitative Study. *BMC Health Services Research*. 2023 Jan 25;23(1):80. doi: 10.1186/s12913-022-08989-x.
93. ****Siddiqi K**, **Ostermann J**, Zhang J, Khan M, Olatosi B. "Aging with HIV in the United States: Changing Trends in Inpatient Hospital Stays and Comorbidities, 2003 to 2015" *HIV Medicine*, 2022 Jun 8. doi: 10.1111/hiv.13325.

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92. **Zewdie H, Whetten K, Dubie M, Kenea B, Bekele T, Temesgen C, Molla W, Puffer E, Pan W, **Ostermann J**, Hobbie A, Gray C. "The association between urban greenspace and psychological health among young adults in Addis Ababa, Ethiopia". *Environmental Research* 215, Part 1:114258. doi: 10.1016/j.envres.2022.114258.
91. **Ostermann J**; Njau B; Hobbie A; Mtuy T; Masnick M; Brown D; Mühlbacher A; Thielman N. "Divergent preferences for enhanced HIV testing options among high-risk populations in northern Tanzania: a short report." *AIDS Care*. Sep 3 2022: 1-9. doi: 10.1080/09540121.2022.2119471.
90. **Yelverton V, Hair N, Ghosh S, Mfinanga S, Ngadaya E, Baumgartner JN, **Ostermann J**, Vasudevan L. "Beyond coverage: Rural-urban disparities in the timeliness of childhood vaccinations in Tanzania." *Vaccine* Aug 9 2022:S0264-410X(22)00907-0. doi:10.1016/j.vaccine.2022.07.020.
89. **Chiwire P, Evers SM, Mahomed H, **Ostermann J**, Mühlbacher A, Hiligsmann M. A discrete choice experiment investigating HIV testing preferences in South Africa. *Journal of Medical Economics* 25(1) 2022/12/31: 481-490.
88. Gillette C, Everett C, **Ostermann J**, Garvick S, Momen J, Boles G, Crandall S. "Job attributes valued by physicians, physician assistants, and nurse practitioners: a cross-sectional survey." *Journal of the American Academy of Physician Assistants*. 2022 Sep 1;35(9):46-50. doi: 10.1097/01.JAA.0000854532.13833.74. \
87. Gillette C, **Ostermann J**, Garvick S, Momen J, Everett C, Boles G, Crandall S. "A cross sectional, mixed-methods analysis to identify the relative importance of factors students and healthcare providers evaluate when making a job choice." *Journal of Health Care for the Poor and Underserved*. 2022;33(4):1891-1904. doi: 10.1353/hpu.2022.0144. IF
86. Vasudevan L, **Ostermann J**, Wang Y, Harrison S, Yelverton V, McDonald J, Fish L, Williams C, Walter EB. "Association of caregiver attitudes with adolescent HPV vaccination in 13 southern US states." *Vaccine: X*, 2022 Jun 15;11:100181. doi: 10.1016/j.jvacx.2022.100181.
85. **Ostermann J**; Njau B; Masaki M; Mtuy T; Itemba D; Moore S; Yamanis N; Thielman N. "Feasibility, acceptability, and potential impact of a novel mobile phone intervention to promote HIV testing within social networks in Tanzania." *Sexually Transmitted Diseases*. 2022 Jan 28. doi: 10.1097/OLQ.0000000000001611.

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84. **Ostermann J**; Flaherty B; Brown D; Njau B; Hobbie A; Mtuy T; Masnick M; Mühlbacher A; Thielman N. "Modeling preference heterogeneity using latent classes and class-independent random effects in the analysis of data from a discrete choice experiment: application to HIV testing preferences in Tanzania." *Journal of Choice Modeling*, Volume 40, September 2021, 100305 <https://doi.org/10.1016/j.jocm.2021.100305>.
83. Gray CL, Whetten K, Daniels JL, Hudgens MG, Pettifor AE, Hobbie AM, Thielman NM, Dubie ME, Itemba D, Madan I, Vann V, Wasonga A, Manongi R, **Ostermann J**, Whetten RA, Pence BW. "Family composition and stability for orphans: Associations with well-being outcomes in a longitudinal cohort of orphans in 5 low- and middle-income countries." *International Journal of Public Health*, 21 December 2021. <https://doi.org/10.3389/ijph.2021.1604057>.
82. Vasudevan L, **Ostermann J**, Wang Y, Harrison S, Yelverton V, McDonald J, Fish L, Williams C, Walter EB. "Predictors of HPV vaccine uptake in the southern United States: Findings from a cross-sectional survey of parents from thirteen states." *Vaccine*, 2021 Dec 17;39(51):7485-7493. doi: 10.1016/j.vaccine.2021.10.036. Epub 2021 Nov 4.
81. **Ostermann J**, Yelverton V, Smith, HJ, Nanyangwe M, Kashela L, Chisenga P, Mai V, Mwila C, Herce ME.

“Preferences for transitional HIV care among justice-involved persons living with HIV recently released from prison in Zambia: A discrete choice experiment.” *Journal of the International AIDS Society*. 2021 Oct; 24(10): e25805. doi: 10.1002/jia2.25805.

80. Harrison SE, Yelverton V, Wang Y, **Ostermann J**, Fish LJ, Williams CL, Vasudevan L, Walter EB. “Examining associations between knowledge and vaccine uptake using the Human Papillomavirus Knowledge Questionnaire (HPV-KQ).” *American Journal of Health Behavior*. 2021 Sep 30;45(5):810-827. doi: 10.5993/AJHB.45.5.2.
79. Madut DB, Manavalan P, Mtalo A, Peter T, **Ostermann J**, Njau B, Thielman N. (2021). “Increasing the Uptake of HIV Testing among Men in Tanzania: A Novel Intervention for Bar Patrons” *AIDS and Behavior*. 2021 Jan 3. doi: 10.1007/s10461-020-03131-6.

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78. Okeke NL, Schafer KR, Meissner EG, **Ostermann J**, ..., Bosworth HB. (2020). Cardiovascular Disease Risk Management in Persons With HIV: Does Clinician Specialty Matter? *Open Forum Infectious Diseases*. 2020 Aug 21;7(9):ofaa361. doi: 10.1093/ofid/ofaa361.
77. Madut DB, Park LP, Yao J, Reddy EA, **Ostermann J**, Njau B, Whetten K, Thielman NM. (2020). “Predictors of mortality in treatment experienced HIV-infected patients in Northern Tanzania” *PLoS ONE*. 2020 Oct 8;15(10):e0240293. doi: 10.1371/journal.pone.0240293.
76. **Ostermann J**; Njau B; Hobbie A; Mtuy T; Masaki M; Shayo A; van Zwetselaar M; Masnick M; Flaherty B; Brown D; Mühlbacher A; Thielman N. (2020). “Using discrete choice experiments to design interventions for heterogeneous preferences: protocol for a pragmatic randomized controlled trial of a preference-informed, heterogeneity-focused, HIV testing offer for high-risk populations” *BMJ Open*. 2020;10:e039313. doi: 10.1136/bmjopen-2020-039313.
75. Vasudevan L; **Ostermann J**; Moses S; Ngadaya E; Mfinanga S. (2020). “Patterns of mobile phone ownership, access, and use among pregnant women in southern Tanzania: Baseline survey” *JMIR Mhealth Uhealth* 2020;8(4):e17122. doi:10.2196/17122.
74. Vasudevan L; Baumgartner JN; Moses S; Ngadaya E; Mfinanga S; **Ostermann J**. (2020). “Parental concerns and uptake of childhood vaccines in rural Tanzania – a mixed methods study”. *BMC Public Health*. 2020 Oct 20;20(1):1573. doi: 10.1186/s12889-020-09598-1.
73. **Ostermann J**, Mühlbacher A, Brown D, Regier D, Hobbie A, Weinhold A, Alshareef N, Derrick C, Thielman N. (2020). “Heterogeneous patient preferences for modern antiretroviral therapy: results of a discrete choice experiment” *Value in Health*. 2020 Jul;23(7):851-861. doi: 10.1016/j.jval.2020.03.007.
72. Marsh K, Mühlbacher A, van Til J, Juhnke C, Choi Y, Duenas A, Greiner W, Haas K, Hawken N, Hiligsmann M, Hockley K, Ivlev I, Liu F, Molsen-David E, Oehrlein E, **Ostermann J**, Poder T (ISPOR Stated Preference Special Interest Group). (2020) “Health preference research in Europe: A review of its use in marketing authorization, reimbursement and pricing decisions.” *Value in Health*. 2020 Jul;23(7):831-841. doi: 10.1016/j.jval.2019.11.009.
71. **Ostermann J**, Vasudevan L, Baumgartner JN, Ngadaya E, Mfinanga SG. (2019). Do mobile phone-based reminders and conditional financial transfers improve the timeliness of childhood vaccinations in Tanzania? Study protocol for a quasi-randomized controlled trial. *Trials*, 20(1), 397. doi:10.1186/s13063-019-3430-4
70. **Ostermann J**, Brown DS, van Til JA, Bansback N, Legare F, Marshall DA, & Bewtra M. (2019). Support Tools for Preference-Sensitive Decisions in Healthcare: Where Are We? Where Do We Go? How Do We Get There? *Patient*, 12(5), 439-443. doi:10.1007/s40271-019-00372-z
69. Wijnen BFM, Van Engelen R, **Ostermann J**, Mühlbacher A, Hendriks AFW, Conde R, . . . Hiligsmann M. (2019). A discrete choice experiment to investigate patient preferences for HIV testing programs in Bogota,

Colombia. *Expert Rev Pharmacoecon Outcomes Res*, 19(2), 195-201.
doi:10.1080/14737167.2019.1530594

68. Derrick C, **Ostermann J**, Weissman S, Hobbie A, Alshareef N, Weinhold A, Yelverton V, Thielman N. (2018). "Who Wants to Switch? Gauging Patient Interest in Novel Antiretroviral Therapies." *Open Forum Infect Dis* 5(10): ofy247.
67. **Snavely M, Maze M, Muiruri C, Ngowi L, Mboya F, Beamesderfer J, Makupa G, Mwingwa A, Lwezaula B, Mmbaga B, Maro V, Crump J, **Ostermann J**, Rubach M. (2018). "Sociocultural and health system factors associated with mortality among febrile inpatients in Tanzania: a prospective social biopsy cohort study." *BMJ Glob Health* 3(1): e000507.
66. **Yelverton V, **Ostermann J**, Hobbie A, Madut D, Thielman N. (2018). "A Mixed Methods Approach to Understanding Antiretroviral Treatment Preferences: What Do Patients Really Want?" *AIDS Patient Care STDS* 32(9): 340-348.
65. Craig BM, Lancsar E, Mühlbacher AC, Brown DS, **Ostermann J**. Health Preference Research: An Overview. *Patient*. 2017 Jun 8. doi: 10.1007/s40271-017-0253-9. PMID: 28597377
64. **Ostermann J**, Brown DS, de Bekker-Grob EW, Mühlbacher AC, Reed SD. Preferences for Health Interventions: Improving Uptake, Adherence, and Efficiency. *Patient*. 2017 Jun 8. doi: 10.1007/s40271-017-0251-y. PMID: 28597375
63. **Gray CL, Pence BW, Messer LC, **Ostermann J**, Whetten RA, Thielman NM, O'Donnell K, Whetten K. Civic engagement among orphans and non-orphans in five low- and middle-income countries. *Globalization and Health*. 2016 Oct 11;12(1):61. PMID: 27729052
62. Reddy EA, Agala CB, Maro VP, **Ostermann J**, Pence BW, Itemba DK, Safley D, Yao J, Thielman NM, Whetten K. Test site predicts HIV care linkage and antiretroviral therapy initiation: a prospective 3.5 year cohort study of HIV-positive testers in northern Tanzania. *BMC Infect Dis*. 2016 Sep 20;16:497. doi: 10.1186/s12879-016-1804-8.
61. **Gray CL, Whetten K, Messer LC, Whetten RA, **Ostermann J**, O'Donnell K, Thielman NM, Pence BW. Potentially traumatic experiences and sexual health among orphaned and separated adolescents in five low- and middle-income countries. *AIDS Care*. 2016 Jul;28(7):857-65. doi: 10.1080/09540121.2016.1147013. PMID: 26936018
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58. **Ostermann J**, Njau B, Mtuy T, Brown D, Mühlbacher A. One size does not fit all: HIV testing preferences differ among high-risk groups in Northern Tanzania. *AIDS Care*. 2015. DOI: 10.1080/09540121.2014.998612.

2014 or earlier

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56. O'Donnell K, Dorsey S, Gong W, **Ostermann J**, Whetten R, Cohen J, Itemba D, Manongi R, Whetten K. Treating Maladaptive Grief and Posttraumatic Stress Symptoms in Orphaned Children in Tanzania: Group-based Trauma-focused Cognitive Behavior Therapy. *Journal of Traumatic Stress*. 2014. 27: 664–671. DOI: 10.1002/jts.21970

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54. **Njau B, **Ostermann J**, Brown DS, Mühlbacher A, Reddy E, Thielman N. HIV Testing Preferences in Tanzania: A Qualitative Exploration of the Importance of Confidentiality, Accessibility, and Quality of Service. *BMC Public Health*. 2014;838. doi:10.1186/1471-2458-14-838.
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46. **Joharifard S, Rulisa S, Niyonkuru F, Weinhold A, Sayinzoga F, Wilkinson J, **Ostermann J**, Thielman NM. Prevalence and Predictors of Giving Birth in Health Facilities in Bugesera District, Rwanda. *BMC Public Health*. 2012 Dec;12(1):1049
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44. Fiorillo SP, Landman KZ, Tribble AC, Mtalo A, Itemba DK, **Ostermann J**, Thielman NM, Crump JA. Changes in HIV risk behavior and seroincidence among clients presenting for repeat HIV counseling and testing in Moshi, Tanzania. *AIDS Care*. 2012;24(10):1264-71. Epub 2012 Mar 1
43. O'Donnell K, Murphy R, **Ostermann J**, Masnick M, Whetten RA, Madden E, Thielman NM, Whetten K. A brief assessment of learning for orphaned and abandoned children in low and middle-income countries. *AIDS Behav*. 2012 Feb;16(2):480-90.
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2011;24(2):174-182.

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38. Whetten R, Messer L, **Ostermann J**, Whetten K, Pence BW, Buckner M, Thielman N, O'Donnell K. Child work and labour among orphaned and abandoned children in five low and middle income countries. *BMC Int Health Hum Rights.* 2011;11:1. doi:10.1186/1472-698X-11-1.
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36. Messer LC, Pence BW, Whetten K, Whetten R, Thielman N, O'Donnell K, **Ostermann J**. Prevalence and predictors of HIV-related stigma among institutional- and community-based caregivers of orphans and vulnerable children living in five less-wealthy countries. *BMC Public Health.* 2010;10:504.
35. **Shorter MM, **Ostermann J**, Crump JA, Tribble AC, Itemba DK, Mgonja A, Mtalo A, Bartlett JA, Shao JF, Schimana W, Thielman NM. Characteristics of HIV Voluntary Counseling and Testing Clients Before and During Care and Treatment Scale-Up in Moshi, Tanzania. *J Acquir Immune Defic Syndr.* 2009 Dec;52(5):648-54.
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6. Sloan FA, Brown DS, Carlisle ES, **Ostermann J**, Lee PP. Estimates of incidence rates with longitudinal claims data. *Archives of Ophthalmology* 121:1462-1468, 2003.
5. Lee PP, Feldman ZW, **Ostermann J**, Brown DS, Sloan FA. Longitudinal rates of annual eye exams of patients with diabetes and chronic eye diseases. *Ophthalmology* 110(10):1952-1959, 2003.
4. Lee PP, Feldman ZW, **Ostermann J**, Brown DS, Sloan FA. Longitudinal prevalence of major eye diseases. *Archives of Ophthalmology* 121:1303-1310, 2003.
3. Sloan FA, Conover CJ, **Ostermann J**. Rates of return from hospital conversions. *Health Care Management Review* 28(2):107-17, 2003.
2. Sloan FA, **Ostermann J**, Conover CJ. Antecedents of hospital ownership conversions, mergers and closures. *Inquiry* 40(1):39-56, 2003.
1. **Ostermann J**, Sloan FA. Effects of alcohol consumption on disability among the near elderly: A longitudinal analysis. *The Milbank Quarterly* 79(4):487-515, 2001.

Non-peer reviewed publications

1. **Ostermann J**, Bellanger M, Grzimek V, Weinhold A, Hobbie A, Nemsia H, Ricketts T, Hill N. 2014. Evaluation of the Education Benefit Program of PNAFN in Tunisia: Evaluation Report. UNICEF & Ministry of Social Affairs, Republic of Tunisia.

ACTIVE RESEARCH PROJECTS

5R01HD046345-08

09/2017 – 08/2024

PIs: Whetten (contact), **Ostermann**
National Institutes of Health (NIH/NICHD)

“Positive Outcomes for Orphans (POFO): HIV Risk as Young Adults”

This longitudinal R01 study of orphaned and separated children (OSC) across 4 low income countries will identify predictors of HIV-risk behaviors, HIV testing and engagement in HIV care as these children transition into young adulthood. Up to 14 years of data will be used to develop models of HIV risk as young adults. The study will use Discrete Choice Experiments to identify how preferences for HIV prevention programs differ by site and gender. Results may be used to develop targeted HIV prevention programs.

1R01HD110844-01

09/2022 – 08/2027

PIs: **Ostermann** (contact), Vasudevan, Ngadaya, Thielman
National Institutes of Health (NIH/NICHD)

“Chanjo Kwa Wakati – Leveraging community health workers and a responsive digital health system to improve vaccination coverage and timeliness in resource-limited settings”

This 5-year R01 study, implemented in Tanzania, seeks to evaluate an integrated digital health intervention for improving coverage and timeliness of routine vaccinations recommended for children under the age of 1 year. The intervention is targeted toward recent mothers and comprises a combination of community health worker outreach and low-cost digital strategies (autonomous mobile phone-based reminders, individualized knowledge intervention, stockout notifications, and incentives for timely vaccinations) that can be scaled to resource-limited settings globally.

1R21TW011667-01A

08/2022 – 05/2027

PIs: **Ostermann** (contact), Thielman
National Institutes of Health (NIH/Fogarty International Center)

“Confidential social network referrals for HIV testing (CONSORT)”

This 5-year R21/R33 study, implemented in Tanzania seeks to evaluate the efficacy and cost-effectiveness of a novel mHealth intervention, Confidential Social Network Referrals for HIV Testing (CONSORT), for ‘nudging’ high-risk populations to test for HIV. The autonomous, open-source, SMS-based approach can be scaled at minimal cost, is readily extensible to smartphone technologies and social media contexts, and holds significant potential to improve uptake of HIV testing and broadly shift paradigms for engaging social networks to change health-related behaviors.

1R21MD019127-01

09/2023 – 03/2024

PIs: Gillette (contact), **Ostermann**
National Institute On Minority Health And Health Disparities
AHCRA: Access to Health Care in Rural Appalachia

This 2-year R21 study will evaluate the relative importance of job-, community-, and personal-related attributes for medical residents and fellows as well as physician assistant and nurse practitioner students using a discrete choice experiment (DCE). The findings of this study will identify policy options and incentives that may attract clinicians to a rural area with the goal of addressing a worsening healthcare clinician maldistribution that negatively affects access to care and health outcomes for millions of Americans.

Prisma Health Translational Research Seed Grant

05/2022 – 04/2024

PIs: **Ostermann**, Albrecht
Prisma Health / University of South Carolina

“Identifying preference-relevant features of telehealth supported HIV care in South Carolina”

This seed grant seeks to identify access- and preference-relevant features of telehealth HIV care, describe which features may function as facilitators or barriers to HIV care across diverse patient populations and prioritize these features with respect to their importance to patients. ‘Best-worst-scaling’ exercises with 150 PWH will prioritize features and characterize trade-offs that patients are willing to make between different features of telehealth HIV care.

SELECTED COMPLETED EXTRAMURAL RESEARCH PROJECTS (2015 or later)

R01 MH106388 (PIs: Ostermann (contact), Thielman) 07/2015 – 04/2021
National Institutes of Health (NIH/NIMH)

“Does preference-based HIV testing increase uptake in high risk populations?”

The primary aims of this study are to use a Discrete Choice Experiment to rigorously quantify HIV testing preferences among two high-risk populations in Northern Tanzania, identify their preferred testing options, and evaluate, in a pragmatic randomized controlled trial (RCT), the effect of a preference-based HIV counseling and testing (PB-HCT) intervention on testing uptake.

Role: Principal Investigator (contact)

R01 HD046345 (PI: Whetten; Role: Investigator) 11/2003 – 07/2016
HIV/AIDS and Orphan Care: Positive Outcomes for Orphans (POFO I and II)

The objective of this 5-country, longitudinal study of orphaned and abandoned children was to examine the influence of orphan placement and caregiver characteristics on child outcomes. The first 4 years focused on emotional adjustment, learning, and health. The next 5 years focus on educational achievement, labor force participation, civic engagement, risk behaviors, marital formation and child-bearing. 3,000 children and their caregivers in Cambodia, India, Ethiopia, Kenya and Tanzania are involved in the study.

R01 AI121378 (PI: Crump; Role: Investigator) 01/2016 – 08/2022
National Institutes of Health (NIH/NIAID)

“Investigating Febrile Deaths in Tanzania’ (INDITe)”

The objective of this study is to identify actionable patient management and health system interventions that could avert fatal outcomes among patients with severe febrile illness in low-resource areas.

Role: Investigator

U01 IP001095-01 (PI: Walter; Role: Investigator) 09/2018 - 08/2022
Centers for Disease Control and Prevention

“A tailored school-based intervention to increase vaccine uptake among adolescents in the rural South”

This study seeks to address barriers to vaccine uptake among parents of adolescents in rural communities in the Southern US, by adapting the Keen on Teen Vaccines intervention for dissemination via public school systems. The study will evaluate the feasibility and preliminary efficacy of the adapted Keen on Teen Vaccines intervention for increasing vaccine uptake among adolescents in rural North and South Carolina

Role: Investigator

Robert Wood Johnson Foundation (PIs: Ostermann, Thielman) 10/2015 – 06/2017

“Estimating HIV patients’ treatment preferences to inform treatment decisions”

This study aims to quantify patient preferences for HIV treatment and characterize variation in preferences with respect to insurance coverage, health status, treatment history, and demographic and socioeconomic characteristics. The results will allow for the incorporation of patients’ preferences into physicians’ treatment decisions, thereby contributing to improved treatment adherence and efficacy.

Role: Principal Investigator (contact)

Whole Child International (PIs: Whetten, Ostermann) 05/2014 – 04/2018

“Evaluation of an intervention to enhance caregiving practices in child development centers in El Salvador”

The primary aims of this four-year study are 1) to evaluate the effects of an educational intervention by WCI on caregivers and children in child development and child protection centers in El Salvador; and 2) to convert the WCI-QCUALS quality of childcare assessment tool into an electronic application to strengthen its capacity for monitoring and evaluating the quality of care in diverse settings.

Role: Co-Principal Investigator