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FACULTY APPOINTMENTS

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

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

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

Health preferences research. I am PI on two studies that use stated preference survey methods in the form of discrete choice experiments (DCEs) to inform the design and delivery of health care. As part of a study of HIV testing preferences in high HIV risk populations in Tanzania I am currently implementing a pragmatic randomized controlled trial to compare stated and revealed preferences and evaluate the efficacy and cost-effectiveness of offering preference-informed HIV testing interventions to high-risk populations. Using recent data on the HIV treatment preferences among 3 cohorts of HIV patients in the United States I am also preparing a grant application to evaluate the effect on treatment outcomes of patient involvement in decision-making for HIV antiretroviral therapy.

Improving the wellbeing of children in adversity. I am PI on a study to evaluate the efficacy of mobile phone assisted reminders and conditional financial incentives for improving the timeliness of routine childhood immunizations in Tanzania. I am also co-PI on a 14-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 a UNICEF consultancy to evaluate a national financial transfer program for poor families in Tunisia, an evaluation of an intervention to improve child wellbeing in Malawi, a randomized controlled trial to evaluate the cost effectiveness of trauma-focused cognitive behavioral therapy in Kenya and Tanzania, and an evaluation of a country-wide intervention to improve the quality of child care in child development centers across El Salvador.

Estimating the costs of individual health behaviors. With colleagues at Duke University I analyzed the lifetime private and social cost of smoking borne by smokers, smokers' spouses, and society in general, taking into consideration quit rates, morbidity, mortality, earnings differentials, and many other factors. Comparable analyses of the costs of heavy alcohol consumption focused on disability and receipt of disability benefits; the effects on Social Security retirement contributions and benefits, including the effects of drunk-driving fatalities, and marital dissolution; as well as the effect of an alcohol tax increase on mortality.

Informing health care supply and regulation. Other 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. Each of these studies received significant attention from policy makers as well as in the academic literature.

PUBLICATIONS

Books

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

Peer-reviewed manuscripts

66. **Snaveley M, Maze M, Muiruri C, Ngowi L, Mboya F, Beamesderfer J, Makupa G, Mwingwa A, Lwezula B, Mmbaga B, Maro V, Crump J, **Ostermann J**, Rubach M. Sociocultural and health system factors associated with mortality among febrile inpatients: a prospective cohort study in Tanzania. *BMJ Global Health*. 2018 (forthcoming).
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. *Global 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
60. **Ostermann J**, Pence B, Whetten K, Yao J, Itemba D, Maro V, Reddy E, Thielman N. HIV serostatus disclosure in the treatment cascade: evidence from Northern Tanzania. *AIDS Care*, 2015, 27(S1): 59–64
59. **Ostermann J**, Brown D, Mühlbacher A, Njau B. Would you test for 5000 Shillings? HIV Risk and Willingness to Accept HIV Testing in Tanzania. *Health Economics Review*, December 2015, 5:24
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.
57. Okeke L, **Ostermann J**, Thielman N. Enhancing Linkage and Retention in HIV Care: A Review of Interventions for Highly-Resourced and Resource-Poor Settings. *Current HIV/AIDS Reports*. 2014. DOI: 10.1007/s11904-014-0233-9.
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
55. Whetten K, **Ostermann J**, Pence B, et al. Three-Year Change in the Wellbeing of Orphaned and Separated Children in Institutional and Family-Based Care Settings in Five Low- and Middle-Income Countries. *PLoS ONE*. 2014 Aug 14. DOI: 10.1371/journal.pone.0104872
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.
53. **Ostermann J**, Njau B, Brown DS, Mühlbacher A, Thielman N. Heterogeneous HIV testing preferences in an urban setting in Tanzania: Results from a Discrete Choice Experiment. *Plos One*. 2014. DOI: 10.1371/journal.pone.0092100
52. **Ostermann J**, Whetten K, Reddy E, Pence B, Weinhold A, Itemba D, Maro V, Mosille E, Thielman N. Treatment retention and care transitions during and after the scale-up of HIV care and treatment in Northern Tanzania. *AIDS Care*. 2014;26(11):1352-8. doi: 10.1080/09540121.2014.882493.
51. **Escueta M, Whetten K, **Ostermann J**, O'Donnell K. Adverse Childhood Experiences, Psychosocial Well-being and Cognitive Development among Orphans and Abandoned Children in Five Low Income Countries. *BMC International Health and Human Rights*. 2014, 14:6 doi:10.1186/1472-698X-14-6.
50. O'Donnell K, Yao J, **Ostermann J**, Thielman N, Reddy E, Whetten R, Maro V, Itemba D, Pence B, Dow D, Whetten K. Low rates of child testing for HIV persist in a high-risk area of East Africa. *AIDS Care*. 2014;26(3):326-31.
49. **Rajana, D, Shirey K, **Ostermann J**, Whetten R, O'Donnell K, Whetten K. Child and caregiver

concordance of potentially traumatic events experienced by orphaned and abandoned children. *Vulnerable Children and Youth Studies*. 2014;9(3):220-233.

48. Whetten K, Shirey K, Pence BW, Yao J, Thielman N, Whetten R, Adams J, Agala B, **Ostermann J**, O'Donnell K, Hobbie A, Maro V, Itemba D, Reddy E; CHAT Research Team. Trauma history and depression predict incomplete adherence to antiretroviral therapies in a low income country. *PLoS One*. 2013 Oct 4;8(10):e74771.
47. **Njau B, Watt MH, **Ostermann J**, Manongi R, Sikkema KJ. Perceived acceptability of home-based couples voluntary HIV counseling and testing in Northern Tanzania. *AIDS Care*. 2012;24(4):413-9.
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
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42. **Waters RC, **Ostermann J**, Reeves TD, et al. A cost-effectiveness analysis of alternative HIV re-testing strategies in sub-Saharan Africa. *J Acquir Immune Defic Syndr*. 2011 Apr 15;56(5):443-52.
41. Whetten K, **Ostermann J**, Whetten R, O'Donnell K, Thielman N. More Than the Loss of a Parent: Potentially Traumatic Events Among Orphaned and Abandoned Children. *Journal of Traumatic Stress*. Apr 2011;24(2):174-182.
40. **Prabhu M, McHome B, **Ostermann J**, Itemba D, Njau B, Thielman N. Prevalence and correlates of intimate partner violence among women attending HIV voluntary counseling and testing in northern Tanzania, 2005-2008. *Int J Gynaecol Obstet*. 2011 Apr;113(1):63-7
39. **Ostermann J**, Reddy EA, Shorter MM, et al. Who tests, who doesn't, and why? Uptake of mobile HIV counseling and testing in the Kilimanjaro Region of Tanzania. *PLoS One*. 2011;6(1):e16488.
38. Whetten R, Messer L, **Ostermann J**, et al. 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.
37. Nadjm B, Amos B, Mtove G, **Ostermann J**, Chonya S, et al. WHO guidelines for antimicrobial treatment in children admitted to hospital in an area of intense Plasmodium falciparum transmission: prospective study. *BMJ*. 2010;340:c1350.
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.
34. **Tillekeratne LG, Thielman NM, Kiwera RA, Chu HY, Kaale L, Morpeth SC, **Ostermann J**, Mtwewe SP, Shao JF; Bartlett JA; Crump JA. Morbidity and mortality among a cohort of HIV-infected adults in a

programme for community home-based care, in the Kilimanjaro Region of Tanzania (2003-2005). *Annals of tropical medicine and parasitology* 2009;103(3):263-73.

33. Whetten K, **Ostermann J**, Whetten RA, et al. A comparison of the wellbeing of orphans and abandoned children ages 6-12 in institutional and community-based care settings in 5 less wealthy nations. *PLoS One*. 2009;4(12):e8169.
32. **Zou J, Yamanaka Y, Muze J, Watt M, **Ostermann J**, Thielman N. Religion and HIV in Tanzania: Influence of Religious Beliefs on HIV Stigma, Disclosure, and Treatment Attitudes *BMC public health* 2009;9:75.
31. Pence BW, Thielman NM, Whetten K, **Ostermann J**, Kumar V, Mugavero MJ. Coping strategies and patterns of alcohol and drug use among HIV-infected patients in the U.S. Southeast. *AIDS Patient Care and STDs*. 2008 Nov;22(11):869-77.
30. Whetten K, Whetten R, **Ostermann J**, Itemba DK. Trauma, anxiety, and reported health among HIV positive persons in Tanzania and the US Deep South. *Aids Care*. 2008 Jun; (18):1-9
29. Seshadri C, Uiso LO, **Ostermann J**, et al. Low sensitivity of T-cell based detection of tuberculosis among HIV co-infected Tanzanian in-patients. *East Afr Med J*. 2008 Sep;85(9):442-449.
28. Morpeth SC, Thielman NM, Ramadhani HO, Hamilton JD, **Ostermann J**, Kisenge PR, Shao HJ, Reller LB, Itemba DK, Sam NE, Bartlett JA, Shao JF, Crump JA. Effect of Trimethoprim-Sulfamethoxazole Prophylaxis on Antimicrobial Resistance of Fecal *Escherichia coli* in HIV-Infected Patients in Tanzania *J Acquir Immune Defic Syndr*. 2008 Apr 15;47(5):585-91
27. Pence BW, **Ostermann J**, Kumar V, Whetten K, Thielman N, Mugavero MJ. The influence of psychosocial characteristics and race/ethnicity on the use, duration, and success of antiretroviral therapy. *Journal of Acquired Immune Deficiency Syndromes: JAIDS*. 2008;47(2):194-201.
26. **Landman KZ, **Ostermann J**, Crump JA, Mgonja A, Mayhood MK, Itemba DK, Tribble AC, Ndosu EM, Chu HY, Shao JF, Bartlett JA, Thielman NT. Gender Differences in the Risk of HIV Infection among Persons Reporting Abstinence, Monogamy, and Multiple Sexual Partners in Northern Tanzania. *PloS ONE*. 2008; 3(8): e3075.
25. **Ostermann J**, V Kumar, BW Pence, K Whetten. Trends in HIV Testing and Discrepancies between Planned and Actual Testing in the United States, 2000-2005. *Archives of Internal Medicine*. 2007;167(19): 2128-2135.
24. Taylor DH Jr., **Ostermann J**., Van Houtven CH, Tulsy JA, Steinhauser K. What length of hospice use maximizes reduction in medical expenditures near death in the US Medicare program? *Social Science & Medicine*. 65(7):1466-78, 2007.
23. Ricketts TC, Goldsmith LJ, Holmes GM, Randolph RM, Lee R, Taylor DH, **Ostermann J**. Designating places and populations as medically underserved: a proposal for a new approach. *Journal of Health Care for the Poor & Underserved*. 18(3):567-89, 2007.
22. Mugavero M, **Ostermann J**, Whetten K, Leserman J, Swartz M, Stangl D, Thielman N. Barriers to antiretroviral adherence: the importance of depression, abuse, and other traumatic events. *AIDS Patient Care STDS* 20(6): 418-28, 2006.
21. Reif S, Whetten K, Lowe K, **Ostermann J**. Association of unmet needs for support services with medication use and adherence among HIV-infected individuals in the Southeastern United States. *AIDS Care* 18(4): 277-83, 2006.
20. Luce BR, Mauskopf J, Sloan FA, **Ostermann J**, Paramore LC. The return on investment in health care: from 1980-2000. *Value Health* 9(3): 146-56, 2006.
19. Whetten K, Leserman J, Whetten R, **Ostermann J**, Thielman N, Swartz M, Stangl D. Exploring lack of trust in care providers and the government as a barrier to health service use. *American Journal of Public Health* 96(4): 716-21, 2006.

18. Whetten K, Reif S, **Ostermann J**, Pence BW, Swartz M, Whetten R, Conover C, Bouis S, Thielman N, Eron J. Improving health outcomes among individuals with HIV, mental illness, and substance use disorders in the Southeast. *AIDS Care* 18(S1): S18-26, 2006.
17. Reif S, Whetten K, **Ostermann J**, Raper JL. Characteristics of HIV-infected adults in the Deep South and their utilization of mental health services: A rural vs. urban comparison. *AIDS Care* 18(S1): S10-7, 2006.
16. Thielman NM, Chu HY, **Ostermann J**, Itemba DK, Mgonja A, Mtweve S, Bartlett JA, Shao JF, Crump JA. Cost-effectiveness of free HIV voluntary counseling and testing through a community-based AIDS service organization in Northern Tanzania. *American Journal of Public Health* 96(1): 114-119, 2006
15. **Ostermann J**, Sloan FA, Herndon L, Lee PP. Racial differences in glaucoma care: the longitudinal pattern of care. *Archives of Ophthalmology* 123(12): 1693-8, 2005.
14. **Ostermann J**, Sloan FA, Taylor DH. Heavy alcohol use and marital dissolution in the USA. *Social Science Medicine* 61(11): 2304-16, 2005.
13. Sloan FA, **Ostermann J**, Brown DS, Lee PP. The effects of changes in self-reported vision on cognitive, affective, and functional status and living arrangements among the elderly. *American Journal of Ophthalmology* 140(4): 618-27, 2005.
12. Chu HY, Crump JA, **Ostermann J**, Ogenga RB, Intemba DK, Mgonja A, Mtweve S, Bartlett JA, Shao JF, Thielman NM. Sociodemographic and clinical characteristics of clients presenting for HIV voluntary counseling and testing in Moshi, Tanzania. *International Journal of STD AIDS* 16(10): 691-6, 2005.
11. Conover CJ, Hall MA, **Ostermann J**. The impact of Blue Cross conversions on health spending and the uninsured. *Health Affairs* 24(2): 473-82, 2005.
10. Whetten K, Reif S, Swartz M, Stevens R, **Ostermann J**, Hanisch L, Eron J. A brief mental health and substance abuse screener for persons with HIV. *AIDS Patient Care and STDS* 19(2): 89-99, 2005.
9. Cook PJ, **Ostermann J**, Sloan FA. The net effect of an alcohol tax increase on death rates in middle age. *American Economic Review* 95(2): 278-281, 2005.
8. Taylor DH, **Ostermann J**, Acuff SW, Ostbye T. Do seniors understand their risk of moving to a nursing home? *Health Services Research* 40(3): 811-828, 2005.
7. **Ostermann J**, Sloan FA. The Effect of Heavy Drinking on Social Security Old-Age and Survivors Insurance Contributions and Benefits. *The Milbank Quarterly*. 82(3):507-46. 2004.
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.

** indicates mentored or co-mentored student-led publication.

ACTIVE RESEARCH FUNDING

R01MH106388 (Ostermann, Thielman) 07/01/2015 - 4/30/2020
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, a survey method increasingly used by health economists for the design of patient-centered health care options, 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.

R21TW010262 (Ostermann, Vasudevan) 02/15/2016 - 12/31/2017
National Institutes of Health (NIH/FIC)

“mHealth-assisted conditional cash transfers to improve timeliness of vaccinations”

This study will identify barriers to timely vaccinations and evaluate the feasibility and efficacy of mHealth-assisted conditional cash transfers as a means of overcoming individual and structural barriers to vaccinations.

R01 AI121378 (Crump) 01/01/2016 - 08/31/2021
National Institutes of Health (NIH/NIAID)

“Investigating Febrile Deaths in Tanzania’ (INDITe)”

The objective of ‘INvestigating febrile Deaths In Tanzania (INDITe)’ 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.

5R01HD046345-08 (Whetten, Ostermann (PIs) 09/01/2017 - 8/31/2022
National Institutes of Health (NIH/NICHD)

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

This longitudinal 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.

EDITORIAL BOARD MEMBERSHIP

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OTHER MEMBERSHIPS

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