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**EDUCATION**

- PhD 2002 Department of Population Dynamics, The Johns Hopkins Bloomberg School of Hygiene and Public Health, Baltimore, MD
- MPH 1997 School of Medicine and Health Sciences, The George Washington University, Washington, DC
- BA 1996 Department of Biology, College of Arts and Sciences, Cornell University, Ithaca, NY

**PROFESSIONAL EXPERIENCE**

- Sept 2018-present Senior Technical Advisor, D4I, Carolina Population Center, UNC-Chapel Hill, Chapel Hill, NC
- Nov 2017-present Associate Professor, Department of Maternal and Child Health, Gillings School of Global Public Health, UNC-Chapel Hill, Chapel Hill, NC (Tenure: January 2021)
- Feb 2016-Oct 2017 Research Associate Professor, Department of Maternal and Child Health, Gillings School of Global Public Health, UNC-Chapel Hill, Chapel Hill, NC
- July 2012-present Faculty Fellow, Carolina Population Center, UNC-Chapel Hill, Chapel Hill, NC
- Oct 2011-June 2020 Senior Technical Advisor for Maternal and Child Health, MEASURE Evaluation, Carolina Population Center, UNC-Chapel Hill, Chapel Hill, NC
- Aug 2005-Jan 2016 Research Assistant Professor, Department of Maternal and Child Health, Gillings School of Global Public Health, UNC-Chapel Hill, Chapel Hill, NC
- July 2003-Oct 2011 Research Associate, MEASURE Evaluation, Carolina Population Center, UNC-Chapel Hill, Chapel Hill, NC
- Mar 2002-June 2003 Program Manager, International Rescue Committee South Sudan Program, Nairobi, Kenya

- Nov 2001-Mar 2002 Research Fellow, Harvard University/Muhimbili College of Health Sciences  
Dar es Salaam, Tanzania
- May 2001-Sept 2001 Consultant, The Brookings Institute, Washington, DC
- June 1999-Mar 2000 Researcher, The Demography of Forced Migration Project, Northern  
Uganda and Southern Sudan
- June 1998-Sept 2000 Research Assistant/Teaching Assistant, The Johns Hopkins School of  
Hygiene and Public Health, Baltimore, MD
- July 1998-Sept 1998 Consultant, Macro International (DHS Division), Calverton, MD

### HONORS

- 2019 UNC's Ruth and Phillip Hettleman Prize for Artistic and Scholarly Achievement
- 2016-2017 Carolina Women's Center Faculty Scholar
- 2013 Carolina Population Center Summer in Residence
- 2013 Delta Omega Public Health Honor Society
- 2005 Humphrey Fellows Teaching Excellence Award
- 1999-2001 National Research Service Award (NRSA)-National Institute for Child Health and  
Human Development (NICHD)

### PUBLICATIONS

#### Book

Amouzou A, Carvajal-Aguirre L Khan S, Mehtra V, **Singh K**, Vaz L. (Editors). Measuring coverage of essential maternal and newborn care interventions: An unfinished agenda. Journal of Global Health Collection. 2019

#### Book Chapters

(\*Denotes student/post-doc involvement)

1. Godwin C\*, Buller A, Bentley M, **Singh K**, Understanding the Relationship and Reproductive Health Changes of Female Survivors of Ebola Infection in Liberia. In: Schwartz DA, Anoko JN, Abramowitz SA. Editors. Pregnant in the Time of Ebola. Women and their Children in the 2013-2015 West African Epidemic. Springer Nature Switzerland; 2019. p.103-120
2. **Singh K**, Curtis S, Bloom S. Global maternal and child health. In: Kotch J, editor. Maternal and Child Health Programs, Problems and Policies in Public Health. 3<sup>rd</sup> ed. Burlington (MA): Jones and Bartlett Publishers; 2013. p. 371-391.
3. **Singh K**, Karunakara U, Burhnman G, Hill K. Forced migration and Under-five mortality: A comparison of refugees and hosts in Northern Uganda and Southern Sudan. In: Brunborg H, Tabeau E, Urdal H, editors. The Demography of Armed Conflict: (International Studies in Population). Springer Netherlands; 2006. p. 323-346.

4. Robinson C, Hill K, **Singh K**. Principles and uses of demography in emergency assessment. In: Robinson C, Hill K, editors. *Demographic Methods in Emergency Assessment: A Guide for Practitioners*. Baltimore (MD): The Johns Hopkins Bloomberg School of Public Health; 2003. p. 17-47.

#### Refereed Journal Articles

(\*Denotes student/post-doc involvement)

1. Silverstein H\*, Angeles G, Handa S, **Singh K**, Shanahan M, Thissen D. Do cash transfer programs have different effects on children based on household disability status? Evidence from Malawi and Zambia. *International Journal of Social Welfare*. 2024. <https://doi.org/10.1111/ijsw.12684>
2. **Singh K**, Simmons E\*, Garriga B\*, Hoover A\*, Ijdi, RE\*, KC A. National chlorhexidine coverage and factors associated with newborn umbilical cord care in Bangladesh and Nepal: a cross-sectional analysis using household data. *Maternal health, Neonatology and Perinatology*. 10, 12 (2024). <https://doi.org/10.1186/s40748-024-00182-8>
3. Casebolt T\*, **Singh K**, Speizer I, Halpern C. Maternal Health Care Use by Women with Disabilities in Rajasthan, India: An Analysis of the Annual Health Survey. *Maternal Health, Neonatology and Perinatology*. 2023. 9, 11. <https://doi.org/10.1186/s40748-023-00165-1>
4. Angeles G, Silverstein H\*, Ahsan KZ\*, Kibria MG\*, Ar Rakib N, Escudero G, **Singh K**, Mpiima J, Simmons E\*, Weiss W. One year of the COVID-19 pandemic: Estimating the effects on essential health services utilization in Uganda and Bangladesh using routine health information. *Frontiers in Global Health*. 2023.11.doi: 10.3389/fpubh.2023.1129581. PMID: 37829090.
5. Hagaman, A\*, Gonzales Rodriguez H, Egger E, Bitewulgin B, Case H\*, Kiflie Alemayehu, Rhodes E\*, Seifu Estifanos A, **Singh K**, Woldesenbet Keraga D, Zadid M. Magge H, Barrington C. Navigating and manipulating childbirth services in Afar, Ethiopia: A qualitative study of cultural safety in the birthing room. *Social Science and Medicine*. 2023. 331, 116073. PMID: 37481879.
6. Cofie L, Barrington C, Cope K, LePrevost CE, **Singh K**. Increasing Health Facility Childbirth in Ghana: The Role of Network and Community Norms. *BMC Pregnancy and Childbirth*. 2023. 23:1(265) doi: 10.1186/s12884-023-05513-9. PMID: 37076794.
7. Casebolt T\*, **Singh K**, Speizer I, Halpern C. Use of Modern Contraceptives by Women with Disabilities in Rajasthan, India: An Analysis of the Annual Health Survey. *Sexual and Reproductive Health* 2022 Mar;31:100699. doi: 10.1016/j.srhc.2022.100699. PMID:35189528.
8. **Singh K**., Li Q, Weiss W, Ahsan KZ\*, Curtis S.A Comparison of Approaches to Measuring Maternal Mortality in Bangladesh. *Population Health Metrics*. 2022. 20(5) [doi.org/10.1186/s12963-022-00281-8](https://doi.org/10.1186/s12963-022-00281-8). PMID:35033093.

9. Hagaman A\*, Gonzales Rodriguez H, Barrington C, Estifanos AK, Keraga DW, **Singh K**, Alemayehu AK, Magge H. “Even though they insult us, the delivery they give us is the greatest thing”: Contextualizing women’s satisfaction with facility-based maternal health care in Ethiopia. *BMC Pregnancy and Childbirth*. 2022; Jan;22(1):31. doi10.1186/s12884-022-04381-z. PMID: 35031022.
10. Biadgo A, Legesse A, Seifu A, **Singh K**, Mulissa Z, Kiflie A, Magge H, Bitewulign B, Abate M, Alemu H. Quality of maternal and newborn health care in Ethiopia: A cross-sectional study. *BMC Health Services Research*. 2021. 21:679. doi.org/10.1186/s12913-021-06680-1. PMID: 34243787.
11. **Singh K**, Speizer I, Idji, RE\*, Calhoun L. Importance of Subnational-level Analyses: Gender Equality Measures and MCH and FP Outcomes in Plateau State, Nigeria. *BMC Pregnancy and Childbirth*. 2021. 21:170. doi.org/10.1186/s12884-021-03659-y. PMID: 33639882.
12. Simmons, E.M\*., **Singh, K.**, Mpiima, J., Kumar, M, Weiss, W. Assessing coverage of essential maternal and child health interventions using health-facility data in Uganda. *Popul Health Metrics*. 2020. 18:26. doi.org/10.1186/s12963-020-00236-x. PMID: 33036626.
13. Hagaman, A.K\*., **Singh, K.**, Abate, M, Alemu H, Kefale AB, Bitewulign B, Seifu AE, Kiflie A, Mulissa Z, Tiyo H, Seman Y, Tadesse MZ, and Magge H. The impacts of quality improvement on maternal and newborn health: preliminary findings from a health system integrated intervention in four Ethiopian regions. *BMC Health Serv Res*. 2020. 20:(522) doi.org/10.1186/s12913-020-05391-3. PMID: 32513236.
14. Plotkin M\*, George J, Bundala J, Tibaijuka G, Njonge L, Lemwayi R, Drake M, Zaugrana J, Bishanga D, Ramaswamy R, **Singh K**, Wheeler S. National Level environmental factors around scale up of Doppler to improve fetal heart rate monitoring in Tanzania: a qualitative assessment. *Intl J of Environmental Research and Public Health*. 2020. 17(6): 1931. doi.org/10.3390/ijerph17061931. PMID: 32188037.
15. Kim ET\*, **Singh K**, Speizer IS, Lemani C. Influences of health facility type for delivery and experience of cesarean section on maternal and newborn postnatal care between birth and facility discharge in Malawi. *BMC Health Serv Res*. 2020;20 (1):139. doi:10.1186/s12913-020-4958-4. PMID: 32093660.
16. Kim ET\*, **Singh K**, Speizer I, Angeles G, Weiss W. Availability of health facilities and utilization of maternal and newborn postnatal care in rural Malawi. *BMC Pregnancy and Childbirth*. 2019. 19:503. doi. 10.1186/s12884-019-2534-x. PMID:31847872
17. Agarwal A\*, Curtis S, Angeles G, Speizer I, **Singh K**, Thomas J. The impact of India’s accredited social health activist (ASHA) program on the utilization of maternity services: a nationally representative longitudinal modelling study. *Human Resources for Health*. 2019. Aug 19. 17:68. doi.org/10.1186/s12960-019-0402-4. PMID: 31426801.

18. **Singh K**, Speizer I, Barker PM, Afrakoma Agyeman-Duah JN, Agula J, Akpakli JK Akparibo S, Dasoberi IN, Kanyoke E, Steenwijk JH, Yabang E, Twum-Danso NAY, Sodzi-Tettey S, Evaluating the impact of a hospital scale-up phase of a quality improvement intervention in Ghana on mortality for children under five, *International Journal for Quality in Health Care*. 2019. Jul 19. mzz073, doi.org/10.1093/intqhc/mzz073 PMID: 31322678.
19. Agarwal A\*, Curtis S, Angeles G, Speizer I, **Singh K**, Thomas J. Are Community Health Workers effective in retaining women in the maternity care continuum? Evidence from India. *BMJ Global Health*. 2019. Jul.4(4):e001557. doi:10.1136/bmjgh-2019-001557 PMID: 31406590.
20. Albritton J\*, Fried B, **Singh K**, Weiner B, Reeve B, Edwards J. Developing effective quality improvement teams in Ghana: The role of psychological safety and learning behavior. *BMC Health Services Research*. 2019. 19:385. doi: 10.1186/s12913-019-4234-7. PMID: 31200699.
21. Molla YB, Nilsen K, **Singh K**, Ruktanonchai CW, Schmitz M, Duong J, Serbanescu F, Moran A, Matthews Z, Tatem A, Rawlins B. Best practices in availability, management and use of geospatial data to guide reproductive, maternal, child and adolescent health programs. *BMJ Global Health*. 2019; 4:e001406.. doi.org/10.1136/bmjgh-2019-001406. PMID: 31321092.
22. Matthews Z, Duong J, Molla Y, Moran A, **Singh K**, Rawlins B, Serbanescu F, Tatem A, Nilsen K. Geographic and Spatial Analysis for Reproductive, Maternal, Newborn, Child, and Adolescent Health: Gaps and Opportunities. *BMJ Global Health*. 2019;4: e001702. doi.org/10.1136/bmjgh-2019-001702. PMID: 31321094.
23. Godwin C\*, Wohl D, Fischer W, **Singh K**, Hawks DA, Tozay S, Reeves W, Pewu K, Devore EE, Brown J. Reproductive Health Sequelae in Women Who Survived Ebola Virus Disease in Liberia. *International Journal of Gynecology and Obstetrics*. 2019. 146(2): 212-217. doi.org/10.1002/ijgo.12858. PMID: 31074837.
24. Kim, ET\*, **Singh K**, Weiss W. Maternal postnatal care in Bangladesh: a closer look at specific content and coverage by different types of providers. *Journal of Global Health Reports*. 2019. 3: e2019004. PMID: 31482138.
25. Bailey P, Awoonor-Williams K, Lebrun V, Keyes E, Chen M, Aboagye P, **Singh K**. Referral patterns through the lens of health facility readiness to manage obstetric complications: national facility-based results from Ghana. *Reproductive Health*. 2019. 16:19: doi.org/10.1186/s12978-019-0684-y. PMID: 30777082.
26. **Singh K**, Speizer I, Kim ET\*, Lemani C, Tang JH, Phoya A. Evaluation of a maternity waiting home and community education program in two districts of Malawi. *BMC Pregnancy and Childbirth*. 2018. Nov; 18(457). doi.org.10.1186/s12884-018-2084-7. PMID: 30470256.

27. Cofie L\*, Barrington C, Sodzi-Tettey S, Maman S, Ennett S, **Singh K**. A qualitative study of women's network social support and facility delivery in rural Ghana. *PloS One*. 2018. Nov;13(11). doi.org/10.1371/journal.pone.0206429. PMID: 30399180.
28. Kim, ET\*, **Singh K**, Moran A, Armbruster D, Kozuki N. Obstetric Ultrasound Use in Low and Middle Income Countries: a narrative review. *Reproductive Health*. 2018. July;15(1):129. doi.org/10.1186/s12978-018-0571-y. PMID: 30029609.
29. Khan S, Kim ET\*, **Singh K**, Amouzou A, Carvajal-Aguirre L. Thermal Care of Newborns: Drying and Bathing Practices in Malawi and Bangladesh. *Journal of Global Health*. 2018 June 8(1): 010901. doi: 10.7189/jogh.08.010901. PMID: 29862028.
30. Hill K, Johnson P, **Singh K**, Amuzu-Pharin AA, Kharki YB on behalf of the Estimating Maternal Mortality from Census Technical Working Group. Using Census Data to Measure Maternal Morality: A Review of Recent Experience. *Demographic Research*. 2018. 39(11): 337-364 doi.org/10.4054/DemRes.2018.39.11. PMID: 31824231.
31. Lemani C, Kamtuwanje N, Phiri B, Speizer I, **Singh K**, Mtema O, Chisanu N, Tang J. Effect of a Family Planning Intervention on couple years of protection in Malawi. *IJGO*. 2018 Apr 14(1) 37-44. doi:10.1002/ijgo.12439. PMID: 29318602.
32. Cofie L\*, Barrington C, **Singh K**, Sodzi Sodzi-Tettey, Ennett S, Maman S. Structural and functional network characteristics and facility delivery among women in rural Ghana. *BMC Pregnancy and Childbirth*. 2017. Dec 17(425). doi: 10.1186/s12884-017-1611-2. PMID: 29258456.
33. Carvajal-Aguirre L, Vaz L, **Singh, K**, Stirin D, Moran A, Khan S, Amouzou A. Measuring Coverage of Essential Maternal and Newborn Care Interventions: An unfinished Agenda. *Journal of Global Health*. 2017. Dec, 7(2): 020101. doi: 10.7189/jogh.07.020101. PMID: 29423175.
34. Khan S\*, Speizer I, **Singh K**, Angeles G, Barker P, Twun-Danso N. Does postnatal care have a role in improving newborn feeding? A study in 15 Sub-Saharan African countries. *Journal of Global Health*. 2017. Dec 7(2): 020506. doi: 10.7189/jogh.07.020506. PMID: 29423183.
35. **Singh K**, Khan S, Carvajal-Velez L, Brodish P, Amouzou A, Moran A. The importance of skin-to-skin contact for early initiation of breastfeeding in Nigeria and Bangladesh. *Journal of Global Health*. 2017. Dec 7(2): 020505. doi: 10.7189/jogh.07.020505. PMID: 29423182.
36. **Singh K**, Brodish P\*, Chowdhury E, Biswas T, Kim ET\*, Godwin C\*, Moran A. Postnatal care for newborns in Bangladesh: The importance of health-related factors and location. *Journal of Global Health*. 2017. Dec 7(2): 020507. doi: 10.7189/jogh.07.020507. PMID: 29423184.
37. Bailey P, Anduaem W, Brun M, Freedman L, Gbangbade S, Libamba E, Moran A, Mouniri H, Ould de Joud D, **Singh K**. Institutional maternal and perinatal deaths: a review of 40 low and middle income countries. *BMC Pregnancy and Childbirth*. 2017 Sept 7;17(1):295. doi: 10.1186/s12884-017-1479-1. PMID: 28882128.

38. Huang C\*, **Singh K**, Handa S, Halpern C, Pettifor A, Thirumurthy H. Investments in children's health and the Kenyan Cash Transfer for Orphans and Vulnerable Children. Evidence from an Unconditional Cash Transfer Scheme. *Health Policy and Planning*. 2017 Sept;32(7):943-955. doi: 10.1093/heapol/czw181. PMID: 28431108.
39. Kim, ET\*, **Singh, K**. The state of essential newborn care by delivery location in Bangladesh. *Maternal and Child Health Journal*. 2017 Jul 15. 25 pages. doi: 10.1007/s10995-017-2319-7. PMID: 28712021.
40. Molla YB, Rawlins B, Makanga T, Cunningham M, Hernández-Ávila JA, Ruktanonchai C, **Singh K**, Alford S, Thompson M, Dwivedi V, Moran AC, Matthews Z. Geographic information system for improving for maternal and newborn health: Recommendations for policy and programs. *BMC Pregnancy and Childbirth*. 2017 Jan 11;17(1):26. doi: 10.1186/s12884-016-1199-y. PMID: 28077095.
41. **Singh K**, Speizer I, Kim ET\*, Lemani C, Phoya A. Reaching vulnerable women through maternity waiting homes in Malawi. *International Journal of Gynecology and Obstetrics*. 2017 136(1):91-7. doi: 10.1002/ijgo.12013. PMID: 28099696.
42. Story W\*, Barrington C, Fordham C\*, Sodzi-Tettey S, Barker P, **Singh K**. Male involvement and accommodation during obstetric emergencies in rural Ghana: A qualitative analysis. *International Perspectives in Sexual and Reproductive Health*. 2016 Dec; 42(4): 211-219. doi: 10.1363/42e2616. PMID: 28825900.
43. Jaff D\*, **Singh K**, Margolis L. Targeting health care in armed conflict and emergencies: Is it underestimated? *Medicine, Conflict and Survival*. 2016 Jan-Mar;32(1):21-9. doi: 10.1080/13623699.2016.1205784. PMID: 27378065.
44. **Singh K**, Brodish P\*, Speizer I, Barker P, Amenga-Etego I, Dasoberi I, Kanyoke E, Boadu E, Yabang E, Sodzi-Tettey S. Can a quality improvement project impact maternal and child health outcomes at scale in northern Ghana? *Health Research Policy and Systems*. 2016 Jun;16:14(1):45. doi: 10.1186/s12961-016-0115-2. PMID: 27306769.
45. Brodish PH\*, **Singh K**. Association between *Schistosoma haematobium* exposure and Human Immunodeficiency Virus infection among females in Mozambique. *American Journal of Tropical Medicine and Hygiene*. 2016 May 4;94(5):1040-4. doi: 10.4269/ajtmh.15-0652. PMID: 26976893.
46. Khan S\*, **Singh K**. The association between health insurance coverage and skilled birth attendance in Ghana: A national study. *Maternal and Child Health Journal*. 2016 Mar;20(3):534-41. doi: 10.1007/s10995-015-1851-6. PMID: 26525559.
47. **Singh K**, Story W\*, Moran A. Assessing the continuum of care pathway for maternal health in South Asia and Sub-Saharan Africa. *Maternal and Child Health Journal*. 2016;20(2):281-89. doi: 10.1007/s10995-015-1827-6. PMID: 26511130.

48. Bailey P, Keyes E, Moran A, **Singh K**, Chavane L, Chilundo B. The triple threat of pregnancy, HIV infection and malaria: Reported causes of maternal mortality in two nationwide health facility assessments in Mozambique, 2007 and 2012. *BMC Pregnancy and Childbirth*. 2015;15:293. doi: 10.1186/s12884-015-0725-7. PMID: 26552482.
49. Cofie L\*, Barrington C, **Singh K**, Sodzi-Tettey S, Akaliguang A\*. Birth location preferences of mothers and fathers in rural Ghana: Implications for pregnancy, labor and birth outcomes. *BMC Pregnancy and Childbirth*. 2015 Aug 12;15:165. doi: 10.1186/s12884-015-0604-2. PMID: 26265087.
50. **Singh K**, Osei-Akoto I, Otchere F\*, Sodzi-Tettey S, Barrington C, Huang C\*, Fordham C\*, Speizer I. Ghana's National Health insurance scheme and maternal and child health: A mixed methods study. *BMC Health Services Research*. 2015 Mar 17;15:108. doi: 10.1186/s12913-015-0762-y. PMID: 25889725.
51. **Singh K**, Bloom S, Brodish P\*. Gender equality as a means to improve maternal and child health in Africa. *Health Care for Women International*. 2015;36(1):57-69. doi: 10.1080/07399332.2013.824971. PMID: 24028632.
52. Speizer I, Story W\*, **Singh K**. Factors associated with institutional delivery in Ghana: The role of decision making autonomy and community norms. *BMC Pregnancy and Childbirth*. 2014;14:398. doi: 10.1186/s12884-014-0398-7. PMID: 25427853.
53. **Singh K**, Brodish P\*, Haney E\*. Postnatal care by provider type and neonatal death in sub-Saharan Africa: A multilevel analysis. *BMC Public Health*. 2014 Sep 10;14:941. doi: 10.1186/1471-2458-14-941. PMID: 25208951.
54. Cofie L\*, Barrington C, Akaliguang A\*, Reid A\*, **Singh K**, Fried B, Tettey S, Barker P. Integrating community outreach into a quality improvement project to promote maternal and child health in Ghana. *Global Public Health*. 2014;9(10):1184-97. doi: 10.1080/17441692.2014.952656. PMID: 25204848.
55. Haney E\*, **Singh K**, Nyamukapa C, Gregson S, Robertson L, Sherr L, Halpern C. One size does not fit all: Psychometric properties of the Shona Symptom Questionnaire (SSQ) among adolescents and young adults in Zimbabwe. *Journal of Affective Disorder*. 2014;167:358-67. doi: 10.1016/j.jad.2014.05.041. PMID: 25020271.
56. **Singh K**, Moran A, Story W\*, Bailey P, Chavane L. Acknowledging HIV and malaria as major contributors to maternal mortality in Mozambique. *International Journal of Gynecology and Obstetrics*. 2014;(127):35-40. doi: 10.1016/j.ijgo.2014.05.002. PMID: 24981974
57. Luseno W\*, **Singh K**, Handa S, Suchindran C. A multilevel analysis of the effect of Malawi's Social Cash Transfer Pilot Scheme on school-age children's health. *Health Policy and Planning*. 2014 Jul;29(4):421-32. doi: 10.1093/heapol/czt028. PMID: 23661614.



58. **Singh K**, Brodish P\*, Suchindran C. A regional multilevel analysis: Can skilled birth attendants uniformly decrease neonatal mortality? *Maternal and Child Health Journal*. 2014 Jan;18(1):242-9. doi: 10.1007/s10995-013-1260-7. PMID: 23504132.
59. **Singh K**, Speizer I, Handa S, Boadu R, Atinbire S, Barker P, Twum-Danso N. Impact evaluation of a quality improvement intervention on maternal and child health outcomes in Northern Ghana: Early assessment of a national scale-up project. *International Journal for Quality in Health Care*. 2013;25(5):477-87. PMID: 23925506.
60. **Singh K**, Luseno W\*, Haney E\*. Gender equality and education: Increasing the uptake of HIV testing among married women in Kenya, Zambia and Zimbabwe. *AIDS Care*. 2013;25(11):1452-61. doi: 10.1080/09540121.2013.774311. PMID: 23438082.
61. **Singh K**, Haney E\*, Olorunsaiye C\*. Maternal autonomy and attitudes towards gender norms: Associations with childhood immunizations in Nigeria. *Maternal and Child Health Journal*. 2013 Jul;17(5):837-41. PMID: 22696106.
62. **Singh K**, Bloom S, Haney E\*, Olorunsaiye C,\* Brodish P\*. Gender equality and childbirth in a health facility: Nigeria and MDG5. *African Journal of Reproductive Health*. 2012 Sep;16(3):123-9. PMID: 23437506.
63. **Singh K**, Brodish P\*, Mbai F, Rinyuri A, Njeru C, Kingola N, Mureithi P, Sambisa W\*, Weir S. A venue-based approach to reaching MSM, IDUs and the general population with VCT: A three study site in Kenya. *AIDS and Behavior*. 2012 May;16(4):818-28. doi: 10.1007/s10461-011-0103-z. PMID: 22198312.
64. Haney E\*, **Singh K**. The importance of HIV prevention messaging for orphaned youth in Zimbabwe. *AIDS Care*. 2012;24(7):877-85. doi: 10.1080/09540121.2011.648162. PMID: 22293040.
65. Brodish P\*, **Singh K**, Rinyuri A, Njeru C, Kingola N, Mureithi P, Sambisa W\*, Weir S. Evidence of high-risk sexual behaviors among intravenous drug users in the Kenya PLACE Study. *Drug and Alcohol Dependence*. 2011 Dec 1;119(1-2):138-41. doi: 10.1016/j.drugalcdep.2011.05.030. PMID: 21700402.
66. **Singh K**, Tate J\*, Buckner B, Ndubani P, Kamwanga J. Age, poverty and alcohol use as HIV risk factors for women in Mongu, Zambia. *African Health Sciences*. 2011;11(2):204-10. PMID: 21857851.
67. **Singh K**, Sambisa W\*, Munyati S, Chandiwana B, Chingono A, Monash R, Weir S. Targeting HIV interventions for adolescent girls and young women in Southern Africa: Use of the PLACE methodology in Hwange District, Zimbabwe. *AIDS and Behavior*. 2010;14(1):200-8. doi:10.1007/s10461-009-9572-8. PMID: 19452272.

68. Tate J\*, **Singh K**, Ndubani P, Kamwanga J, Buckner B. Measurement of HIV prevention indicators: A comparison of the PLACE method and a household survey in Zambia. *AIDS and Behavior*. 2010 Feb;14(1):209-17. doi: 10.1007/s10461-008-9505-y. PMID: 19089607.
69. **Singh K**, Karunakara U, Burnham G, Hill K. Forced migration and Under-five mortality: A comparison of refugee and host populations. *European Journal of Population*. 2005;21:247-70. doi: 10.1007/s 10680-005-6855-2.
70. **Singh K**, Karunakara U, Burnham G, Hill K. Using indirect methods to understand the impact of forced migration on long-term Under-five mortality. *Journal of Biosocial Science*. 2005 Nov;37(6):37:741-60. PMID: 16221323.
71. Karunakara U, Neuner F, Schauer M, **Singh K**, Hill K, Burnham G. Traumatic events and symptoms of post-traumatic stress disorder amongst Sudanese nationals, refugees and Ugandans in the West Nile. *African Health Sciences*. 2004 Aug;4(2):83-93. Erratum in: *Afr Health Sci*. 2004 Dec;4(3):193. Burnha, Gilbert [corrected to Burnham, Gilbert]. PMID: 15477186.

#### Refereed Journal Articles Under Review

(\*Denotes student/postdoc involvement)

72. Ahsan KZ\*, Angeles G, Curtis S, Streatfield PK, **Singh K**, Handa S. Has the sector-wide approach (SWAp) been successful in improving equity in skilled delivery care in Bangladesh? An exploratory study using synthetic control analysis. *Health Policy and Planning*. (Under Review)
73. **Singh K**, Angeles, Reyes HL, Simmons E\*, Siwatlo A, Weiss. W. Applying Group-Based Trajectory Modeling to Understand Under-Five Mortality Trends and Determinants in Low- and Lower-Middle Income Countries. *Population Health Metrics*. (Revise and Resubmit)
74. Ducille C\*, **Singh K**, Mpiima Weiss W. Improving the Accuracy of HMIS data through Adjustment Techniques: An Example of Uganda *Population Health Metrics*. (Revise and Resubmit)
75. Simmons, E. \*, Austin A, Hoover G, Wood, M, Mansfield A, Sheffield-Abdullah K, **Singh K**. Equitable Medicaid reimbursement policies increase access to certified nurse-midwives: An interrupted time series analysis with a synthetic control group. *Health Affairs* (Under Review)
76. Ducille C\*, Bilsborrow D, **Singh K**, Hussey J, Mayo-Wilson LJ. Association of remittances with skilled delivery and child health in Uganda, 2019/2020. *PloS Global Health* (Under Review)
77. Egger E\*, Bitewulign B, Rodriguez HG, Case H, Kiflie A, Rhodes EC, Seifu Estifanos A, **Singh K**, Woldesenbet Keraga D, Zahid M, Magge H, Barrington B, and Hagaman A. “‘God is the one who give child’: An abductive analysis of black boxes in postnatal decision-making using the Health Equity Implementation Framework”. *International Journal of Environmental Research and Public Health* (Under Review)

Refereed Journal Articles in Preparation

(\*Denotes student/postdoc involvement).

1. Ahsan KA, Angeles G, Choudhury A\*, **Singh K**, Taylor TM, Lucas R, Cohen R, Gawande A, Weiss W. Accounting for aid: Estimating the impact of USAID's global health interventions on female mortality using Synthetic Control and Bayesian methods
2. Silverstein H\*, Angeles G, Handa S, **Singh K**, Shanahan M, Thissen D Cash intervention changes caregiver effects on child cognitive development: A study of heterogeneous impacts of the Zambia Child Grant Program
3. **Singh, K** et al. Maternal Complications Counseling and Access to Services in Bangladesh
4. **Singh, K**. Studying Pediatric TB from Quality of TB Assessments (QTSA)

Recent Conference Presentations: Oral and Posters

(\*Denotes student/post-doc involvement)

1. Simmons L\*, **Singh K**, Angeles G, Swiatlo A\*, Reyes H, Weiss W. Applying Group Based Trajectory Modeling and Prediction Modeling to Understand Under Five Mortality Trends and Determinants in Low and Middle Income Countries. Oral Presentation at the Population Association of America, online presentation, May 2021.
2. Hagaman A\*, **Singh K**, Speizer I, Bitewulign B, Abate A, Alemu A, Seifu Estifanos A, Mulissa, Z, Magge H. The Impacts of Quality Improvement on Maternal and Newborn Health: Preliminary Findings from a Health System Integrated Intervention in Three Regions in Ethiopia. Oral Presentation at the Population Association of America Conference. Austin, TX. April 2019.
3. Ahmed, S. Li Q, **Singh, K**, Moran A, Hill K. Challenges of Measuring Maternal Mortality Trends at Subnational Level in a Developing Country: An Illustrated Example of Bangladesh, 2001-2010. Oral presentation at the Population Association of American Conference. Denver, CO. April 2018.
4. Gue Y\*, Wrammert J, **Singh K**, Ashish KC, Bradford K, Krishnamurthy A. Automatic analysis of neonatal video data to evaluate resuscitation performance. Oral presentation at. Atlanta, GA, October 2016.
5. Albriton J\*, Fried B, **Singh K**, Sodzi-Tetty S, Dasoberi I, Kanyoke E, Yabang E. Evaluating QI teams in low-income settings: Adapting scales validated in high-income countries. Poster presentation at the Institute for Healthcare Improvement (IHI) Scientific Symposium. Orlando, FL, December 2015.
6. Huang C\*, **Singh K**, Handa S. Investments in children's health and the Kenyan Cash Transfer for Orphans and Vulnerable Children. Evidence from an Unconditional Cash Transfer Scheme. Oral Presentation at the American Public Health Association (APHA) Annual Meeting. Chicago, IL, November 2015.

7. Khan S\*, Speizer I, **Singh K**, Angeles G, Barker P, Twun-Danso N. Postnatal care and newborn feeding practices in 15 Sub-Saharan African countries. Oral presentation at the Global Maternal and Newborn Health Conference. Mexico City, Mexico, October 2015.
8. **Singh K**, Story W\*, Moran A. Assessing the continuum of care in South Asia and Sub-Saharan Africa. Poster presentation at the Consortium of Universities in Global Health (CUGH) Conference. Boston, MA, March 2015.
9. **Singh K**. Findings from the Scale-up Phase of Project Fives Alive! Oral presentation at the Institute for Healthcare Improvement (IHI) Scientific Symposium. Orlando, FL, December 2014.
10. Mobbinson-Etuk N, Quick T, Heap A, **Singh K**, Rollins N, Tshbalala M, Olver S, Picillo B, Barker P. Eliminating MTCT at Scale: A six country collaborative using performance improvement methods. Boston, MA, November 2013.
11. **Singh K**. Discussant: Migration and gender. Population Association of America. New Orleans, LA, April 2013.
12. **Singh K**, Brodish P\*, Suchindran C. The link between maternal health services and neonatal mortality: Can skilled birth attendants decrease neonatal mortality? Oral presentation at the Population Association of America. New Orleans, LA, April 2013.
13. Reid A\*, Barrington C, Akaligaung A\*, Fried B, **Singh K**. Role of the community in quality improvement in Ghana: Increasing maternal and child health service coverage. Oral presentation at the 140th American Public Health Association Annual Meeting. Boston, MA, November 2012.
14. **Singh K**, Speizer I, Handa S, Boadu R, Atinbire S, Barker P, Twum-Danso N. Impact evaluation of a quality improvement intervention on maternal and child health outcomes in Northern Ghana. Poster presentation at the Academy for Healthcare Improvement Annual Meeting. Washington, DC, May 2012.
15. Reid A\*, Barrington C, Akaligaung A\*, Fried B, **Singh K**. Role of the community in quality improvement in Ghana: Increasing maternal and child health service coverage. Poster presentation at the Academy for Healthcare Improvement Annual Meeting. Washington, DC, May 2012.
16. **Singh K**, Bloom S, Brodish P\*. The influence of women's empowerment on maternal health service utilization: A regional look at Africa. Poster presentation at the Population Association of America Annual Meeting. Washington, DC, April 2011.
17. Colaco R\*, Bloom S, Suchindran C, **Singh K**, Moracco B. Lack of gender equality perceptions as a predictor of risky sexual behavior among men in Northern India. Poster presentation at the Population Association of America. Detroit, MI, May 2009.

18. **Singh K**, Sambisa W\*, Munyati S, Chandiwana B, Chingono A, Weir S. Hot spots for risky sexual behavior: Findings from the PLACE Studies in Zambia and Zimbabwe. Poster Presentation at the Population Association of America. New Orleans, LA, April 2008.

#### Recent Invited Talks

1. **Singh, K**. Helping Mothers and Newborns Survive and Thrive in Low Resource Settings. Michigan Population Studies Center. Remote Presentation. March 2021.

2. Simmons E\*, **Singh K**, Mpiima J, Kumar M, Weiss W. Assessing coverage of essential maternal and child health interventions using health-facility data in Uganda. Countdown to 2030 Workshop on Health Facility Data Analysis. Nairobi, Kenya. February 2020.

3. **Singh K**. Keynote Address for the Rotary Peace Fellow's Celebration of International Women's Day. Chapel Hill, NC, March 2017.

4. **Singh K**. A global perspective on the future health of women and girls. Maya Angelou International Women's Health Summit. Winston-Salem, NC, March 2017.

5. **Singh K**. Key issues in maternal mortality-estimation and cause of death. MEASURE Evaluation End of Project Meeting. Washington, DC, May 2014.

6. **Singh K**. So why do an evaluation? MCH Public Health Leadership Training Program. Chapel Hill, NC, November 2012.

7. **Singh K**. Gender equality measures and maternal and child health in Africa. Carolina Population Center Seminar Series. January 2012.

8. **Singh K**. So why do an Evaluation? MCH Public Health Leadership Training Program. Chapel Hill, NC, November 2011.

9. **Singh K**. Key issues in monitoring and evaluation of innovative programs. Saving lives at births: A grand challenge for development. Washington, DC, July 2011.

10. Weir S, **Singh K**. Issue paper on MARP definitions. MERG MARP M&E Meeting. October 2008.

11. **Singh K**. Hot spots for risky sexual behavior: Findings from the PLACE studies in Zambia and Zimbabwe. MEASURE Evaluation Symposium. February 2008.

#### Conference Proceedings

(\*Denotes student/post-doc involvement)

1. Gue Y\*, Wrammert J, **Singh K**, Ashish KC, Bradford K, Krishnamurthy A. Automatic analysis of neonatal video data to evaluate resuscitation performance. 2016 IEEE 6th International

Conference on Computational Advances in Bio and Medical Sciences. 2016.  
doi.org/10.1109/ICCABS.2016.7802775

Refereed Technical Reports/Policy Briefs

(\*Denotes student/post-doc involvement)

1. **Singh K**, Simmons E\*, Garriga B\*, Hoover A\*, Ijdi, RE\*, KC A. Policy Brief: National chlorhexidine coverage and factors associated with newborn umbilical cord care in Bangladesh and Nepal: a cross-sectional analysis using household data. D4I. Chapel Hill
2. Kumar M, Kim ET\*, Millar E, **Singh K**, Weiss W. Enabling and Expanding the Scope of Public Health Decision-making in Uganda to Reduce Maternal Mortality. MEASURE Evaluation. 2019.
3. **Singh K**, Hart L. A guide on conducting a post-census verbal autopsy to estimate maternal mortality. MEASURE Evaluation. MS-15-102. 2015.
4. **Singh K**, Bloom S, Brodish P. The influence of gender factors on maternal and child health in Africa. Chapel Hill, NC, MEASURE Evaluation, University of North Carolina at Chapel Hill. 2011.
5. **Singh K**, Brodish P, Rinyuri A, Njeru C, Kingola N, Mureithi P, Sambisa W\*, Weir S. Findings from the Three Site PLACE Kenya Study - Malindi, Nanyuki and Rachuonyo. NC: APHIA II Evaluation: ICF MACRO. 2011.
6. **Singh K**, Sambisa W\*, Munyati S, Chandiwana B, Chingono A, Mahati S, Mashange W. PLACE in Zimbabwe: Identifying gaps in HIV prevention among orphans and young people in Hwange District, 2006 MEASURE Evaluation, University of North Carolina at Chapel Hill. 2007.
7. Frankel N, Gage A, Luben E, **Singh K**. M&E Fundamentals. A self-guided minicourse. Chapel Hill, NC, MEASURE Evaluation, University of North Carolina at Chapel Hill. 2007.
8. Tate J\*, **Singh K**, Buckner B. A comparison of the PLACE Method and Household Survey in Zambia – MEASURE Evaluation Working Paper. 2007.
9. MEASURE Evaluation (**Singh K**. et al.) Zambia sexual behavior survey. Chapel Hill, NC, MEASURE Evaluation, University of North Carolina at Chapel Hill. 2006.
10. Mwanamwenge M, Chilopa B, Chewe P, Banda R, Buckner B, **Singh K**. Zambia sexual behavior study 2003. MEASURE Evaluation. 2004.
11. Bloom S, Ukwuani F, Finn T, **Singh K**. AIDS in Africa during the nineties: Tanzania Youth Report. MEASURE Evaluation. 2004.
12. Becker S, Diop-Sidibe N, Suzuki E, **Singh K**. Demographic Methods I and II: A Multimedia CD-ROM course, Baltimore, The Johns Hopkins University. 2001.

Non-Refereed Technical Reports

(\*Denotes student/post-doc involvement)

1. Flax V, **Singh K**, Kim ET\*, Fagbemi M, Hagaman, A\*, Amer S, Unangst J, Karns S. Alive & Thrive Nigeria Impact Evaluation: Baseline Provider Survey. RTI International. 2017.
2. Flax V, **Singh K**, Kim ET\*, Fagbemi M, Hagaman, A\*, Amer S, Unangst J, Karns S. Alive & Thrive Nigeria Impact Evaluation: Baseline Household Survey Topline Findings. RTI International. 2017.
3. UNC and ISSER. Final Evaluation Report for Project Fives Alive! and the Maternal and Newborn Referrals Project. 2016.
4. UNC and ISSER. Endline Assessment of the Maternal and Newborn Referrals Project. 2015.
5. UNC and ISSER: Midline Assessment of the Maternal and Newborn Referrals Project. 2014.
6. Summary Report: Estimating Maternal Mortality from Census Data. MEASURE Evaluation. 2014.
7. UNC and ISSER. The Evaluation of the Maternal and Newborn Referrals Project. Quantitative Baseline Report. 2012.
8. UNC and ISSER. The Evaluation of the Maternal and Newborn Referrals Project. Qualitative Baseline Report. 2012.
9. UNC. Milestone Three Report: Evaluation of Project Fives Alive! 2011.

**TEACHING****CLASSROOM TEACHING:**

**MHCH 722, Global Maternal and Child Health (from 2004-2011 the course was called International Issues in Maternal and Child Health):** The focus of this course is on the biological and social determinants of maternal and child health. The main causes of maternal and Under-five morbidity and mortality in developing countries are presented as well as the interventions, policies and research which address these causes. This course is a graduate-level course.

Enrollment: Fall 2023 (18), Fall 2022 (13), Fall 2021 (10), Fall 2020 (22), Fall 2019 (21); Fall 2018 (11); Fall 2017 (32); Fall 2016 (20); Fall 2015 (14); Fall 2014 (19); Fall 2013 (31); Fall 2012 (31); Fall 2011 (29); Fall 2010 (17); Fall 2009 (31); Fall 2008 (26); Fall 2007 (21); Fall 2006 (18); Fall 2005 (17); Fall 2004 (25)

**SPHG 352. Public Health Systems and Solutions.** The course is designed to help undergraduate public health majors understand and analyze complex health systems and develop the knowledge and skills necessary to develop, implement, and evaluate solutions to public health. This course intentionally brings together *health systems* and *health solutions* and encourages systems thinking, an approach to problem solving that views problems as part of a wider, dynamic system. Enrollment: Spring 2022 (160); Spring 2021 (145); Spring 2020 (119)

**MHCH 885/HPM 885, Health Services/Health Policy Research Methods II:** The course presents students with an overview of fundamental research methodologies and principles that are widely used by health services and health policy researchers. This course is a graduate-level course.

Enrollment: Spring 2013 (16); Spring 2012 (20)

**INDEPENDENT STUDY COURSES:**

|   |             |
|---|-------------|
| Global Maternal, Neonatal and Child Health        | Fall 2015   |
| Violence against Children in Developing Countries | Spring 2008 |

**GUEST LECTURES:**

**2018-2019**

|  |             |
|--|-------------|
| MHCH 704: Humanitarian MCH: Under-Five Mortality in Refugee and Host Populations | Spring 2019 |
|--|-------------|

**2017-2018**

|  |           |
|--|-----------|
| MHCH 701: Foundations in MCH: Global Under-five Health | Fall 2017 |
|--|-----------|

**2016-2017**

|   |             |
|---|-------------|
| MHCH 702: Foundations in MCH: Infectious versus Non-Infectious Causes of Under-five Mortality | Spring 2017 |
| MHCH 701: Foundations in MCH: Global Under-five Health  | Fall 2016   |

**2015-2016**

|  |             |
|--|-------------|
| MHCH 702: Foundations in MCH: Infectious Diseases and Child Health | Spring 2016 |
| MHCH 701: Foundations in MCH: Global Under-five Health             | Fall 2015   |

**2014-2015**

|  |           |
|--|-----------|
| MHCH 801: Doctoral Seminar: Evaluation of Project Fives Alive! | Fall 2014 |
| MHCH 701: Foundations in MCH: Global Under-five Health”        | Fall 2014 |

**2013-2014**

|  |           |
|--|-----------|
| MHCH 801: Doctoral Seminar: Evaluation of Project Fives Alive! | Fall 2013 |
| MHCH 701: Foundations in MCH “Global Under-five Health”        | Fall 2013 |

**2012-2013**

|   |           |
|---|-----------|
| MHCH 701: Foundations in MCH “Global Under-five Health” | Fall 2012 |
|---|-----------|

**2011-2012**

|   |           |
|---|-----------|
| MHCH 801: Doctoral Seminar: “Gender Equity”             | Fall 2011 |
| MHCH 701: Foundations in MCH “Global Under-five Health” | Fall 2011 |

**2010-2011**

|   |             |
|---|-------------|
| MHCH 862: Program Evaluation “Evaluation of Child Survival Interventions” | Spring 2011 |
|---|-------------|



|   |             |
|---|-------------|
| MHCH 701: Foundations in MCH “International Under-five Health”              | Fall 2010   |
| PUBH 750: Strategies for Prevention for Clinicians “MDG 5. Maternal Health” | Fall 2010   |
| <b>2009-2010</b>  |             |
| MHCH 862: Program Evaluation “Multi-country Evaluation of IMCI”             | Spring 2010 |
| MHCH 701: Foundations in MCH “International Under-five Health”              | Fall 2009   |
| <b>2008-2009</b>  |             |
| MHCH 862: Program Evaluation “Multi-country Evaluation of IMCI”             | Spring 2009 |
| MHCH 813: Research Methods “The PLACE Method”                               | Fall 2008   |
| MHCH 701: Foundations in MCH “International Under-five Health”              | Fall 2008   |
| <b>2007-2008</b>  |             |
| MHCH 862: Program Evaluation “Multi-country Evaluation of IMCI”             | Spring 2008 |
| MHCH 701: Foundations in MCH “International Under-five Health”              | Fall 2007   |
| <b>2006-2007</b>  |             |
| MHCH 701: Foundations in MCH “International Under-five Health”              | Fall 2006   |
| <b>2005-2006</b>  |             |
| MCH 200: MCH for non-majors “International MCH”                             | Spring 2006 |
| <b>2004-2005</b>  |             |
| MCH 862: Program Evaluation “Evaluating Child Health Programs”              | Spring 2005 |
| <b>2003-2004</b>  |             |
| MCH 862: Program Evaluation “Evaluating Child Health Programs”              | Spring 2004 |

**Advising:****Postdoctoral Mentor**

Ashley Hagaman, Summer 2017-Summer 2019

William Story, Fall 2013-Spring 2015

**PhD Dissertation Chair, Department of Maternal and Child Health**

Lauren Friedman, Spring 2024-current, Dissertation Title: TBD

Ting Chen, Fall 2023-current (co-Chair), Dissertation Title: TBD

Martina Spain, Spring 2023-current. Dissertation Title: TBD

Assanatou Bamogo, Fall 2022-current. Dissertation Title: TBD

Chelsea Ducille, Fall 2019-Summer 2024, defended June 2024. Dissertation Title: Impact of Remittances on Maternal Health Utilization and Child Health in Uganda: A Panel Analysis

Elizabeth Simmons, Fall 2019-Summer 2024, defended June 2024. Dissertation Title: Improving Access to Midwifery Care and Preventing Perinatal Morbidities through Policy Changes

Meghan “Tara” Casebolt, Fall 2017-Spring 2021, defended May 2021, My Choice, My Right: Use of Contraceptive and Maternal Health Services by Women with Disabilities in Rajasthan, India

Eunsoo Timothy Kim, Fall 2015-Spring 2019, defended May 2019, Dissertation Title: Drivers of maternal and newborn postnatal care utilization in rural Malawi: a closer look at levels of community health facilities, community awareness, individual perceptions and beliefs, graduated August 2019

Christine Godwin, Fall 2014-Spring 2018, defended April 2018, Dissertation Title: Understanding the Reproductive Health and Relationship Changes in Female Survivors of Ebola, graduated May 2018.

Erica Haney, Fall 2010-Spring 2014, defended April 2014, Dissertation Title: Examining Measures of Instability, Sexual Debut and Depression Screening Among Adolescents in Zimbabwe, graduated May 2014.

Winnie Luseno, Fall 2008-Spring 2012, defended May 2012, Dissertation Title: Individual and Household Level Effects On Child Outcomes in Malawi: A Multilevel Approach, graduated August 2012.

Layla Lavasani, Fall 2010-Spring 2012, defended April 2012, Dissertation Title: Use of Maternal Health and Family Planning Services in Rural Pakistan: Role of the Lady Health Worker, graduated May 2012.

### **PhD Dissertation Committees, Department of Maternal and Child Health**

Alinda Young, Fall 2022-current. The Triple Burden: Investigating the Interplay of Pregnancy, HIV and Mental Health among Adolescent Girls and Young Women in Zambia.

Christopher Westgard, Fall 2022-current. Implementation Feasibility Study and Assessment of Barriers of the Home Visitation Program in Brazil.

Hannah Silverstein, defended May 2022. Dissertation Title: Household-level disability and ability-differential impacts of cash transfer programs on child-level outcomes

Karar Zunaid Ahsan, defended May 2021, Dissertation Title: Equity in maternal health services use in Bangladesh: An analysis of social gradients, demographic and structural determinants, and major policy changes during the period 2001–2016.

Smisha Kaysin, defended May 2017, Dissertation Title: Do Community Health Worker Programs Improve Coverage of Maternity Services. Evidence from India and Bangladesh.

Kristen Brugh, defended November 2016, Dissertation Title: Impacts of an Unconditional Cash Transfer Program on Household Food and Nutrition Security and Child Health Outcomes, graduated December 2016.

Shane Khan, defended October 2015, Dissertation Title: The Delivery of Postnatal Care and its Association with Newborn Survival and Feeding: A Focus on Africa, graduated December 2015.

Laili Irani, defended August 2012, Dissertation Title: Contraceptive Use in Urban Kenya: A Multi-City Examination of Factors Affecting Contraceptive Use, graduated December 2012.

Martha Skiles, defended May 2012, Dissertation Title: An Equity Analysis of Performance-based Financing in Rwanda, graduated August 2012.

Aiko Hattori, defended April 2011, Dissertation Title: The Effects of Female Education on Health in Rural Bangladesh, graduated May 2011.

Rajeev Colaco (DrPH), defended April 2010, Dissertation Title: Gender Inequality as a Predictor of Higher-Risk Sex among Men in Northern India, graduated May 2010.

**PhD Dissertation Committees, Other Departments at the University of North Carolina at Chapel Hill and Other Universities**

Anderson Al Wazni, School of Social Work, Proposal Defense: Fall 2023.

Dissertation Title: Fragile States of America: State Fragility and Emergency Preparedness

Sheila Patel, Department of Health Policy and Management. Proposal Defense: Spring 2019.

Dissertation Title: The Influence of Teams On The Impact Of a Multifaceted Quality Improvement Implementation Strategy

Marya Plotkin, Department of Health Policy and Planning. Proposal Defense: Spring 2018.

Dissertation Title: Doppler to improve intrapartum care in Tanzania: Does it reduce perinatal mortality? What does it cost? What are the barriers and facilitators to scale it up?

Jordan Albritton, Department of Health Policy and Management, defended July 2016, Dissertation Title: Implementing Quality Improvement Methods to Reduce Under-5 Mortality: A Team Effectiveness Model.

Leslie Cofie, Department of Health Behavior, defended August 2016, Dissertation Title: Social Network Structural and Functional Characteristics and Health Facility Delivery Among Pregnant Women in Rural Ghana.

Rainier De Vera Masa, School of Social Work, defended January 2016, Dissertation Title: Food Security and Antiretroviral Therapy Adherence Among People Living with HIV in Zambia: A Pilot Study, graduated May 2016.

Carolyn Huang, Department of Public Policy, defended November 2015, Dissertation Title: National Policies and Programs and Child Health and Wellbeing in Africa, graduated December 2015.

Paul Brodish, Department of Public Policy, defended October 2015, Dissertation Title: Three Essays on Wealth and Income Inequality and Population Health in Global and Domestic Contexts, graduated December 2015.

Dennis Matanda, University of Bergen, Norway, defended March 2015, Dissertation Title: Child Physical Growth and Care Practices in Kenya: Evidence from the Demographic and Health Surveys, graduated May 2015.

Amber Peterman, Department of Public Policy, defended March 2009, Dissertation Title: Essays in Maternal Health and Human Rights: Evidence from Sub-Saharan Africa, graduated May 2009.

### **Undergraduate/Masters Honors Thesis Mentor**

Emily Bradfield, Department of Health Policy and Management, graduated May 2022

Mandy Dailey, School of Journalism, graduated December 2016

Maya Mahin, Department of Global Studies, graduated May 2012

### **Main Advisor and Primary Reader for Master's Papers of MCH Students**

Dawn Ritzwoler, Master's Paper Title: Voices of Adolescent and Young Adult Cancer Survivors: Evaluating the UNC AYA Needs Assessment Service Bridge Tool, Spring 2024

Grace Ruffin, Master's Paper Title: An Implementation and Analysis Plan for for NC Medicaid's Care Management for High-Risk Pregnancies (CMHRP) Program, Spring 2024

Taylor Jones, Master paper Title: A Study Examining the Relationship Between Pregnancy Intention and the Subsequent Experience of Intimate Partner Violence During Pregnancy, Spring 2024

Enioluwaduroti Johnson, Masters Paper Title: Implementation Analysis and Plan for the Malaria Vaccine among Children Under-5 years at Birnin Kebbi Local Government Health Department in Kebbi State, Nigeria. Spring 2023

Luwam Yohanes, Masters Paper Title: A Systematic Review: Disparities in Autism Spectrum Disorder Diagnosis and Services in North America with a Focus on Immigrant Populations. Spring 2022

Sree Deepthi, Masters Paper Title: A Study of the Relationship between Maternal Antenatal Attendance and the Adherence to Exclusive Breastfeeding at 6th Month, graduated Spring 2020

Kate Comanici, Masters Paper Title: The Opioid Epidemic and Youth: Implications for Safe Storage and Disposal Practices, graduated Spring 2020

Yovania Dechtiar, Masters Paper: A Systematic Review of the Evidence that Supports Gender Transformative Interventions that Address Violence against Women, graduated Fall 2019

Kate Crissman, Masters Paper Title: A Situation Analysis of Gendered Based Violence among Regional Syrian Refugees in Egypt, Iraq, Lebanon, Jordan and Turkey, graduated Spring 2019

Resham Basnet, Masters Paper Title: Is High BMI in Children Aged 6-17 Years Associated with Poor Poverty Status?, graduated Spring 2018

Lori Hendrickson, Masters Paper Title: The 2017 Honduran Health Alliance Public Health Leader Handbook; graduated Spring 2017

Grace Onyebuchi, Masters Paper Title: Women's Empowerment in Ghana and its Influence on Facility Delivery: A Secondary Data Analysis, graduated Spring 2016.

Eunsoo Timothy Kim, Masters Paper Title: Coverage of Essential Newborn Care for Facility Deliveries in Bangladesh, graduated Fall 2015.

Christina Chauvenet, Masters Paper Title: The Role of Retailers in the Selection of Heathful, Low-Cost Products among WIC Recipients, graduated Fall 2015.

Rachel Gillman, Masters Paper Title: A Leadership Curriculum for Emerging Adults, graduated Spring 2015.

Dilshad Jaff Othman, Masters Paper Title: Targeting Health Care in Armed Conflict and Emergencies: Is it Underestimated?, graduated Spring 2015.

Christine Godwin, Masters Paper Title: Positive Externalities of the Care Group Model for Child Survival, graduated Fall 2014.

Elizabeth Regan, Masters Paper Title: Cervical Cancer Screening: A Meta Analysis, graduated Spring 2013.

Barbara Burke, Masters Paper Title: Characteristics of Urban Women That Influence Their Diffusion of Family Planning Information in Nigeria, graduated Fall 2012.

Alex Collins, Masters Paper Title: Under Recognized Cadres of Human Resources for Health in Africa, graduated Fall 2012.

Comfort Oloronsaiye, Masters Paper Title: Women's Decision-making Autonomy and Childhood Immunization Uptake in Nigeria, graduated Spring 2011.

Allison Zimmerman, Masters Paper Title: A Study of the Relationship Between Women's Autonomy and Family Planning Use in Urban India, graduated Spring 2011.

David Abijola, Masters Paper Title: Postpartum Depression Screening: A Public Health Approach to Achieving Millennium Development Goals, graduated Fall 2009.

Mike Park, Masters Paper Title: The Impact of Child Care on Breastfeeding Duration: Infant Feeding Practices Study, graduated Spring 2009.

Christopher Deery, Masters Paper Title: Secondary Analysis of the 2004 Demographic and Health Survey Data Examining Levels of Consistent Condom Use in Tanzania, graduated Spring 2009.

Elena Lebetkin, Masters Paper Title: Hookworm Infection: An In-depth Examination of Determinants of Infection, Health Impacts on Maternal and Child Populations, and Control and Treatment Programs, graduated Spring 2008.

Christine Bixiones, Masters Paper Title: Breastfeeding Among Indigenous Guatemalan Mothers, graduated Spring 2007.

Kathryn Suyes, Masters Paper Title: An Assessment of Employee Attitudes Towards Breastfeeding in the Workplace, graduated Spring 2007.

### **Secondary Reader for Master's Papers of MCH Students**

Maureen Ezechukwu, Masters Paper Title: Preventative Obstetric Fistula Interventions in Low and Middle Income Countries: A Systematic Review, graduated May 2021

Enam Aidan, Masters Paper Title: Improving Breastfeeding Outcomes through evidence based Perinatal, Labor and Delivery Practices and Continued Home Support in Ghana : A training manual for nurses, midwives and community health workers targeted at Steps 4, 5 and 10 of the Ten (10) steps to successful breastfeeding as listed in the Baby-Friendly Health Initiative, graduated May 2020

Wisnu Trianggano, Masters Paper Title: Institutional Delivery and Neonatal Mortality in Indonesia: A Secondary Data Analysis of the 2012 Indonesia Demographic and Health Survey, graduated Spring 2016.

Gracie Vaughn, Masters Paper Title: A Review of Menstrual Hygiene Management Among School Girls in Sub-Saharan Africa, graduated Spring 2013.

Anna Freeman, Masters Paper Title: Incorporating the WHO guidelines into Nurse Driven HIV Care and Treatment Programs in Sub-Saharan Africa, graduated Spring 2011.

Zahra Reynolds, Masters Paper Title: Increasing Demand for Maternity Services in Developing Countries, graduated Spring 2010.

Rhea Bright, Masters Paper Title: Prevention of Mother-to-Child Transmission of HIV in HIV-Related Proposals Supported by the Global Fund to Fight AIDS, Tuberculosis and Malaria, graduated Spring 2010.

Lauren Maxwell, Masters Paper Title: Evidence for the Importance of Intra-Familial Transmission of HIV in the 2008 Demographic and Health Surveys for Egypt, graduated Spring 2010.

Molly Fitch, Masters Paper Title: Intimate Partner Violence and the Delay of Antenatal Care in Malawi, graduated Spring 2010.

Elizabeth Patton, Masters Paper Title: The Determinants of Current Modern Contraceptive Use in Honduras: A Secondary Analysis in DHS Data, graduated Spring 2008.

Leah Gilbert, Masters Paper Title: Honor Culture and Perceptions of Sexuality: Consequences for Female Sexual Violence Victims, graduated Summer 2008.

Katie Massey, Masters Paper Title: Child Health and Vaccine Strategy in the Dominican Republic, graduated Summer 2008.

Heather Morrow, Masters Paper Title: Special Vulnerability to Women and Girls in Conflict Situations, graduated Spring 2006.

Khatuna Katmadze, Masters Paper Title: Post-Partum Hemorrhage Prevention Interventions for Reducing Maternal Mortality in Developing Countries, graduated Spring 2006.

Mingru Lui, Masters Paper Title: Does the Trained Attendant Help to Improve Infant Survival? graduated Spring 2006.

### **Secondary Reader for Master's Papers of non-MCH Students**

Sudipta Hyder, Masters Paper Title: The Role of Maternity Waiting Homes on Maternal and Newborn Health Outcomes in Sub-Saharan Africa: A Systematic Literature Review, graduated December 2020

### **Faculty Mentor for Competitive Student/Postdoc Fellowships and Awards**

Assanatou Bamogo, Fall 2022-current, Royster Fellowship; Fall 2023-Spring 2025, FLAS Award: Swahili

Elizabeth Simmons, Fall 2022-August 2024, NIH F31

Elizabeth Simmons, Fall 2020-August 2024 Carolina Population Center Pre-doc Trainee

Chelsea Ducille, Fall 2019-current, Royster Fellowship; Fall 2021-current Carolina Population Center Pre-doc Trainee

Tara Casebolt, Fall 2017-Spring 2018, FLAS Award: Hindi

Christina Chauvenet, Fall 2015-Spring 2017, FLAS Award: Portuguese

Frank Otchere, Fall 2015-present, Carolina Population Center Pre-doc Trainee

Chrissy Godwin, Summer 2014, Intrah Health Summer Internship

Timothy Kim, Fall 2013-Spring 2018, Carolina Population Center Pre-doc Trainee

William Story, Fall 2013-Spring 2015, CPC/NIH Postdoctoral Training Grant

Erica Haney, Fall 2013-Spring 2014, Dissertation Complete Scholarship

Elizabeth Regan, Fall 2012-Spring 2013, FLAS Award: Lingala; Spring 2013 Edem Effiong Memorial Scholarship

Jennifer Fernandes, Fall 2012-Spring 2013, FLAS Award: Portuguese

Mary Paul, Fall 2010-Spring 2011, FLAS Award: Swahili

Joy Williams, Spring 2010, Edem Effiong Memorial Scholarship for Travel, Spring 2010

Winnie Luseno, Spring 2010, The Center for Infant and Young Child Feeding Scholarship  
 Comfort Oloronsaiye, Spring 2010, John and Sallie Shuping Russell Scholarship  
 Rajeev Colaco, Fall 2008-Spring 2009, Population Fellows Program, 2008-2009  
 Mike Park, Spring 2008, The Center for Infant and Young Child Feeding Scholarship  
 Leah Gilbert, Spring 2007, International Internship Award-Center for Global Initiatives; CDC O.C.  
 Hubert International Health Fellowship; Katherine Ann Wildman Memorial Scholarship  
 Elena Lebetkin, Spring 2007, University Center for International Studies Travel Award  
 Christine Bixiones, Spring 2006, University Center for International Studies Travel Award

### **CONTRACTS/GRANTS/AWARDS**

#### **Ongoing Research Support**

|                  |  |
|------------------|--|
| 10/23-10/28      | <p><b>Program Evaluation, Analysis and Learning (PEARL)</b><br/>         Funder: USAID<br/>         Role: MCH PI (MCH PI: Singh, Overall PI: Curtis)<br/>         Total Funding: \$90 million</p>  |
| 9/24/2018-3/2025 | <p><b>TB Data, Impact Assessment and Communication Hub (TB DIAH)</b><br/>         Funder: USAID<br/>         Role: PI from 2/22 onwards (PI:Singh)<br/>         Total Funding: \$35 million</p>  |
| 9/1/2018-3/2025  | <p><b>D4I (Data for Impact)</b><br/>         Funder: United States Agency for International Development<br/>         Role: PI for Maternal and Child Health (MCH PI: Singh; Overall PI: Reynolds/Curtis)<br/>         Estimated MCH Funding: ~\$3.4 million<br/>         Total Funding: \$48 million</p> |

#### **Completed Research Support**

|                     |   |
|---------------------|---|
| 5/18/2021-4/30/2023 | <p><b>Randomized Controlled Trial to Address Unintended Pregnancy Rates in Low Resource Settings (1R01HD101453-01A1)</b><br/>         Funder: NICHD<br/>         Role: co-PI (PI:Tumlinson)<br/>         Total Funding: \$3.3 million</p> |
| 4/1/2019-8/31/2022  | <p><b>Capacity Building for the Professional Learner</b><br/>         Funder: WHO Collaborating Center Donor<br/>         Role: Co-PI (PI: Peterson)<br/>         Total Funding: Undisclosed Amount</p>                                   |
| 2/1/2020-2/28/2021  | <p><b>Alive and Thrive Impact Evaluation in Nigeria (Endline</b></p>  |



**(Assessment)**

Funder: FHI 360 (subcontract to Research Triangle Institute)

Role: PI (PI: Singh)

Total Funding: \$25,146

8/15/2014-6/2020

**MEASURE (Core) Evaluation Phase IV**

Funder: United States Agency for International Development

Role: PI for Maternal and Child Health (MCH PI: Singh, overall PI: Thomas)

MCH Funding: \$1.6 millions

Total Funding: \$180 million

1/20/2016-12/31/2019

**Evaluation of a Maternal and Newborn Quality Improvement Project in Ethiopia**

Funder: The Bill & Melinda Gates Foundation (subcontract to the Institute for Healthcare Improvement)

Role: PI (PI:Singh)

Total Funding: \$440,728

1/20/2016-12/31/2019

**Evaluation of a Maternal and Newborn Quality Improvement Project in Pastoral Ethiopia**

Funder: The Cargill Foundation (subcontract to the Institute for Healthcare Improvement)

Role: PI (PI:Singh)

Total Funding: \$130,000

4/1/2016-3/31/2018

**Alive and Thrive Impact Evaluation in Nigeria (Baseline Assessment)**

Funder: FHI 360 (subcontract to Research Triangle Institute)

Role: PI (PI: Singh)

Total Funding: \$57,285

8/1/2016-3/31/2018

**Improving Community Outcomes in Maternal and Child Health Initiative**

Funder: North Carolina Department of Public Health

Role: co-investigator (PI: Tucker)

Total Funding: \$225,000

1/1/2015-8/30/2017

**The Safe Motherhood Project in Malawi**

Funder: The Bill & Melinda Gates Foundation

Role: co-investigator (PI: Phoya/Stringer)

Total Funding: \$7,994,469

|                      |   |
|----------------------|---|
| 7/1/2016-6/30/2017   | <p><b>Understanding the Impact of Stigma on Female Survivors of Ebola</b><br/> Funder: Carolina Women’s Center<br/> Role: PI (PI: Singh)<br/> Total Funding: \$10,000</p>   |
| 7/1/2016-6/30/2017   | <p><b>Understanding the Impact of Stigma on Sexual Behavior and Relationships of Female Survivors of Ebola</b><br/> Funder: Explorations in Global Health (UNC Institute for Global Health &amp; Infectious Diseases)<br/> Role: PI (PI: Singh)<br/> Total Funding: \$8,000</p>   |
| 11/1/2011-12/31/2015 | <p><b>Evaluation of Maternal and Newborn Referrals in Ghana</b><br/> Funder: The Bill &amp; Melinda Gates Foundation (subcontract to the Institute for Healthcare Improvement)<br/> Role: PI (PI:Singh)<br/> Total Funding: \$829,606</p>   |
| 7/1/2010-12/31/2015  | <p><b>Evaluation of Project Fives Alive! Ghana</b><br/> Funder: The Bill &amp; Melinda Gates Foundation (subcontract to the Institute for Healthcare Improvement)<br/> Role: PI (PI: Singh)<br/> Total Funding: \$798,269</p>   |
| 8/15/2008-8/14/2014  | <p><b>MEASURE (Core) Evaluation Phase III</b><br/> Funder: United States Agency for International Development<br/> Role: PI for Maternal and Child Health (MCH PI: Singh, overall Curtis)<br/> MCH Funding: \$2 million<br/> Total Funding: \$180 million</p>   |
| 7/2011-12/2011       | <p><b>Healthy and Secure 0-2 Year Olds</b><br/> Funder: ChildFund<br/> Role: PI on Child Status Index Specific Work (Overall PI: Bentley)<br/> Total Funding: \$268,000</p>   |
| 7/2009-8/2011        | <p><b>AIDS, Population, Health and Integrated Assistance (APHIA) Kenya</b><br/> Funder: United States Agency for International Development<br/> Role: PI on Venue-based Voluntary Counseling and Testing Study (Overall PI: Curtis/Hyslop)<br/> Total Funding: \$450,000 for Venue-based Counseling and Testing Study</p> |
| 12/2006-12/2007      | <p><b>Adolescent Girls, Young Women and HIV Interventions</b></p>   |

Funder: UNICEF Zimbabwe  
 Role: co-PI (PI: Singh/Weir)  
 Total Funding: \$60,000

7/2003-7/2008

**MEASURE Evaluation Phase II:**

Funder: United States Agency for International Development  
 Role: co-investigator (PI: Curtis)  
 Total Funding: \$89 million

**PROFESSIONAL SERVICE AND ENGAGEMENT**

Department of Maternal and Child Health

|              |  |
|--------------|--|
| 2024         | MCG APSC Search Committee                                |
| 2023         | MCH APSC Search Committee                                |
| 2023         | MCH Executive Assistant Search Committee                 |
| 2022-present | MCH Master's Committee Lead                              |
| 2022-present | MCH Academic Leadership Committee                        |
| 2020-2022    | MCH DEI Curriculum Co-Lead                               |
| 2020-2022    | MCH DEI Leads Committee                                  |
| 2018-2021    | MCH Academic Leadership Committee                        |
| 2018-2021    | MCH Masters Committee co-lead                            |
| 2014-2018    | MCH Doctoral Committee                                   |
| 2014-2015    | MCH Department Chair Search Committee                    |
| 2007-2008    | MCH Research Assistant Professor at WHO Search Committee |

School of Global Public Health

|              |  |
|--------------|--|
| 2022-present | MCFH Concentration Lead                              |
| 2022         | Global Health Admissions Chair                       |
| 2022-current | MPH Steering Committee                               |
| 2019         | Environment Sciences Faculty Search Committee        |
| 2018-2021    | MCFH Concentration co-lead                           |
| 2016-2017    | SPH MPH Core Implementation and Evaluation Committee |
| 2014-2015    | SPH Online Global MPH                                |
| 2011         | Global Case Competition Mentor                       |
| 2007-2008    | Working Group on Infant and Young Child Feeding      |

UNC

|              |   |
|--------------|---|
| 2022-current | Hettleman Award Reviewer                            |
| 2019         | Carolina Women's Center Scholar Reviewer            |
| 2016-2019    | Carolina Population Center Training Committee       |
| 2014-2016    | Carolina Population Center Summer Internship Mentor |
| 2013         | Reviewer for Faculty Global Explorations Grant      |
| 2009         | Fulbright Review Committee                          |
| 2005-2006    | Carolina Covenant Mentor                            |

National and International Consultations/Technical Working Groups

|              |   |
|--------------|---|
| 2023-current | Impulse Project International Advisory Group  |
| 2021         | USAID's Office of Maternal and Child Health and Nutrition (MCHN) Communications Working Group (CWG)                       |
| 2017         | MEASURE Evaluation Sponsored Technical Consultation on Obstetric Ultrasound in Low and Middle Income Countries            |
| 2017-current | World Health Organization's Mother and Newborn Information for Tracking Outcomes and Results (MoNITOR) Technical Advisory |
| 2016         | Every Newborn Action Plan Protocol Planning Working Group   |
| 2015-2017    | Maternal Mortality Estimation Inter-agency Group (MMEIG) technical meetings   |
| 2015         | MEASURE Evaluation Sponsored Technical Consultation on Newborn Resuscitation  |
| 2014         | MEASURE Evaluation Sponsored Workshop on Estimating Maternal Mortality from Census Data                                   |
| 2010-2014    | Saving Newborn Lives Health Facility Indicator Working Group  |

### Faculty Engagement

|              |   |
|--------------|---|
| 2019-present | Training professionals in low and middle income countries on monitoring and evaluation strategies   |
| 2014-present | Provision of technical guidance to global organizations on the measurement of maternal and newborn health indicators.                           |
| 2014-2017    | Organization of workshops and technical consultations on maternal and child health issues which brought together leading experts in their field |

### Academic Editor

PloS One 2020-2021

### Reviewer for the following:

AIDS and Behavior  
AIDS Care  
African Journal of AIDS Research  
African Journal of Reproductive Health  
Applied Health Economics and Health Policy  
BMC Health Services Research  
BMC Pregnancy and Childbirth  
BMC Public Health  
BMC Journal of Reproductive Health  
BMC Research Notes  
BMC Women's Health  
Drug and Alcohol Dependence  
Global Health Research and Policy  
Global Social Welfare  
Health Policy and Planning  
International Journal for Quality in Healthcare  
Journal of Global Health  
Journal of Health, Population and Nutrition

Journal of Social Aspects of HIV  
Lancet Global Health  
Maternal and Child Health Journal  
PloS One  
Population Development and Policy Review  
Sexually Transmitted Infections  
Social Science and Medicine  
Studies in Family Planning