

## David R. Hotchkiss, Ph.D.

### Curriculum Vitae

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## Contact Information

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## Current Employment

Chair and Professor (with tenure), Department of International Health and Sustainable Development, School of Public Health and Tropical Medicine, Tulane University, 2021 – Present.

## Previous Employment

Interim Chair and Professor, Department of Global Community Health and Behavioral Sciences, School of Public Health and Tropical Medicine, Tulane University, 2020 – 2021.  
Vice Chair and Professor, Department of Global Community Health and Behavioral Sciences, School of Public Health and Tropical Medicine, Tulane University, 2015 – 2020.  
Vice Chair and JPMorgan Chase Professor of Health Care Finance, Department of Global Health Systems and Development, School of Public Health and Tropical Medicine, Tulane University, 2011 – 2015.  
Professor, Department of International Health and Development, School of Public Health and Tropical Medicine, Tulane University, 2006 – 2011.  
Associate Professor, Department of International Health and Development, School of Public Health and Tropical Medicine, Tulane University, 2000 – 2006.  
Assistant Professor, Department of International Health and Development, School of Public Health and Tropical Medicine, Tulane University, 1994 – 2000.  
Senior Advisor, Monitoring, Evaluation and Applied Research, Health Systems 20/20 Project, 2006 – 2012.  
Senior Advisor, Monitoring and Evaluation, PHR*plus* Project, 2000 – 2006.  
Pre-Doctoral Trainee, University of North Carolina at Chapel Hill, Carolina Population Center, 1989 – 1994.  
Research Associate, Gallaudet Research Institute, Gallaudet University, 1986 – 1989.  
Research Assistant, then Research Associate, International Food Policy Research Institute (IFPRI), 1984 – 1986.

## Education

Ph.D., Economics, University of North Carolina at Chapel Hill, 1994.  
M.A., Demography, Georgetown University, Washington, DC, 1984.  
B.A., Economics and Political Science, Guilford College, Greensboro, NC, 1981.

## Primary Areas of Teaching and Research Interest

- Health systems strengthening
- Program monitoring and evaluation
- Health policy
- Health financing
- Demand for health care
- Economic determinants of health status
- Health and sustainable development

## Sponsored Research

Principal Investigator, Impact Evaluation of the Integrated Health Project for the Democratic Republic of the Congo (IHP-DRC), Funded by the U.S. Agency for International Development (USAID) via *MEASURE Evaluation (Phase IV)* and *Data for Impact (D4I)*, Tulane University – University of North Carolina at Chapel Hill Consortium, 2018 to 2025, \$2.0M.

Co-Investigator, Implementer-led Design, Evidence, Analysis & Learning (IDEAL), Funded by the U.S. Agency for International Development, Save the Children Federation, Kaizen Company, Mercy Corps, TANGO International and Tulane University Consortium, 2019 to 2021, \$1.4M.

Principal Investigator, *Rwanda Health Systems Strengthening Activity (RHSSA)*, Funded by the U.S. Agency for International Development (USAID), Management Sciences for Health – Tulane University – University of Rwanda School of Public Health – Banyan Global – Jembi Health Systems Consortium, 2015 to 2019, \$1.6M.

Monitoring and Evaluation Specialist, *MEASURE Evaluation Project (Phase IV)*, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Macro International, Inc. – JSI Research and Training Institute, Inc. – Futures Group International – Management Sciences for Health – Tulane University Consortium, 2014 – 2019, 20 percent salary support.

Principal Investigator, MEASURE Evaluation Strategic Information for South Africa, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Macro International, Inc. – JSI Research and Training Institute, Inc. – Futures Group International – Management Sciences for Health – Tulane University Consortium, 2013 to 2017, \$450K.

Technical Lead, Accès aux Soins de Santé Primaires Project (ASSP), Operations Research and Impact Assessment (ORIE) in the Democratic Republic of the Congo, Funded by United Kingdom's Department for International Development, 2013 to 2019, \$7M.

Principal Investigator, Needs Assessment for Performance Indicators for Provincial and District Health Personnel and Training Activities, Workshops and Consultation Exercise Conducted to Develop a Set of Performance Indicators, Funded by Luxembourg Agency for Development Cooperation (LUX DEV), 2012, \$62K.

Principal Investigator, Multi-country Analysis of the Association of Child Marriage and the Well-being of Women and Children, Funded by UNICEF, 2011 – 2012, \$85K.

Deputy Principal Investigator, *MEASURE Evaluation Project (Phase III)*, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Macro International, Inc. – JSI Research and Training Institute, Inc. – Futures Group International

– Management Sciences for Health – Tulane University Consortium, 2008 – 2014, \$6.0M, 30 percent salary support.

Monitoring and Evaluation Specialist, Technical Assistance for Strengthening Community Human Resources for Health in Rwanda: Preparation of Community Performance-Based Financing Program Supported by the Norwegian Results-Based Financing Trust Fund, Funded by the World Bank, 2008 – 2009, \$90K.

Monitoring and Evaluation Specialist, Bangladesh Health Facility Survey, Funded by the World Bank, 2008 – 2009, \$250K.

Principal Investigator, *Health Systems 20/20 Project*, Funded by the U.S. Agency for International Development (USAID), Abt Associates – RTI – BearingPoint – Training Resources Group – Tulane University School of Public Health and Tropical Medicine – Aga Khan Foundation – BRAC University – Bitran y Asociados – Broad Branch Associates – Forum One Communications Consortium, 2006 – 2011, \$3.5 M, 80 – 100 percent salary support.

Principal Investigator, “Monitoring and Evaluation Plan for Board, Management and Donors of International AIDS Vaccine Initiative (IAVI)”, Funded by IAVI, Abt Associates – Tulane University School of Public Health and Tropical Medicine – Forum One Communications Consortium, 2006 – 2007, \$75K.

Principal Investigator, *Partners for Health Reformplus (PHRplus) Project*, Funded by the U.S. Agency for International Development (USAID), Abt Associates – University Research Corporation – Program for Appropriate Technology in Health (PATH) – Emory University Rollins School of Public Health – Tulane University School of Public Health and Tropical Medicine – Development Associates, Inc. – Social Sectors Development Strategies, Inc. – Training Resources Group – Philoxenia International Travel, Inc. Consortium, 2001 – 2006, \$4.8 M, 80 – 100 percent salary support.

Evaluation Analyst, *MEASURE Evaluation Project (Phase II)*, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Macro International, Inc. – JSI Research and Training Institute, Inc. – Constella Futures – Tulane University Consortium, 2003 – 2008, \$6.0M, 15 percent salary support.

Principal Investigator, “The Impact of Prior Use of MCH Services on Family Planning Use: Empirical Evidence from Five Countries.” Funded by *Commercial Market Strategies (CMS) Project*, 2000 – 2001, \$200,000.

Principal Investigator, “MCH Services and Financial Sustainability: The Role of User Fees and Provider Attributes on Service Utilization in Morocco.” Funded by *MEASURE Evaluation Project*, 1999 – 2000, \$86K.

Evaluation Analyst, *MEASURE Evaluation Project*, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Macro International, Inc. – JSI Research and Training Institute, Inc. – Tulane University Consortium, 1997 – 2002, \$4.1M, 35 percent salary support.

Evaluation Analyst, *Evaluating Family Planning Program Impact (EVALUATION) Project*, Funded by the U.S. Agency for International Development (USAID), University of North Carolina at Chapel Hill – Futures Group International – Tulane University Consortium, 1994 – 1997, \$4.2M, 37 percent salary support.

Co-Principal Investigator, *Support for Analysis and Research in Africa (SARA) Project*, Funded by the U.S. Agency for International Development (USAID), Academy for Educational Development-

Tulane University – JHPIEGO – Macro International, Inc. – Morehouse School of Medicine – Population Reference Bureau – Porter/Novelli Consortium, 1994 – 1996, 13 percent salary support.

Principal Investigator, “The Role of Quality and Prices on the Demand for Birth Deliveries in the Philippines.” Funded by *Health Financing and Sustainability Project*, \$30K, 1992 – 1993.

## Consulting Experience (since 2000)

Consultant to *Itad* to serve as a senior health systems strengthening evaluation advisor and to co-author a technical report that provides guidance on the use of routine health information systems data for the evaluation of health systems strengthening interventions for the Bill and Melinda Gates Foundation-funded Health Systems Strengthening Evaluation Collaborative, 2021 – 2022.

Consultant to *UNICEF* to lead a multi-country study of the projected impact of the COVID-19 pandemic on the practice of child marriage, 2020 – 2021.

Consultant to *MERQ Consultancy PLC* to provide technical support for a Federal Ministry of Health of Ethiopia-funded study of the impact of Ethiopia’s community-based health insurance program, 2020.

Consultant to *MERQ Consultancy PLC* to provide technical support for the Bill and Melinda Gates Foundation- and Federal Ministry of Health of Ethiopia-funded National Assessment of the Ethiopian Health Extension Program, 2019.

Consultant to *JSI Research and Training Institute, Inc.* to provide technical advice to the Bill and Melinda Gates Foundation-funded Data Use Partnership in Ethiopia for the development of a costing framework for Ethiopia’s Information Revolution Roadmap, 2017.

Consultant to *Avenir Health* to lead an impact evaluation of a Bill and Melinda Gates Foundation-funded family planning program in Indonesia, 2017.

Consultant to *UNICEF* to lead a study of the practice of child marriage among the Roma population in Serbia, 2014.

Consultant to *JSI Research and Training Institute, Inc.*, to provide technical assistance in the development of a grant proposal to Gavi, 2012.

Consultant to *United Nations Population Fund (UNFPA)* to provide technical advice to Albanian researchers on two studies based on data from the 2008-09 Albania Demographic and Health Survey: 1) the socio-economic determinants of child malnutrition and 2) the role of women’s empowerment on maternal health care utilization, 2011.

Consultant to *The World Bank* to lead an impact evaluation of Georgia’s Medical Insurance Program, a health insurance program targeted to the poor, 2008 – 2009.

Consultant to *Pan American Health Organization* to co-author a manual providing guidance to country-level policy makers responsible for assessing health sector financing, 2007 – 2008.

Consultant to *USAID/Namibia* to provide health systems expertise to the Mid-Term Review of Namibia’s Third Medium-Term Plan on HIV/AIDS, 2007.

Consultant to *The World Bank* to author 1) a background paper that analyzes public and private expenditures in the health and education sectors in Nepal, and 2) the health sector chapter for “Managing Public Finances for a New Nepal”, 2006 – 2007.

Consultant to *The Asian Development Bank* on a study on poverty and the utilization of maternal and child health services in Nepal, 2006.

Consultant to *The World Bank* to author two background papers for the Nepal Poverty Assessment. The papers investigate the relationships between 1) poverty and total fertility rates and 2) poverty and child anthropometry, 2004 – 2005.

Consultant to *Futures Group International* on a series of USAID-funded studies on reproductive and child health (RCH) financing in Rajasthan, including studies of the sources and uses of RCH funds, household expenditures on RCH services, and the role of the private sector in RCH service delivery, 1999 – 2000.

## Publications

### Peer-Reviewed Journal Articles and Reports

1. Angeles G., Silverstein H, Worges M, **Hotchkiss DR**, Wisniewski JM, Lusamba-Dikassa P, Weiss W, and Ahsan KZ. (2023). Area-specific Covid-19 effects on health services utilization in the Democratic Republic of the Congo using routine health information system data. *BMC Health Services Research*. PMID: [37270545](#).
2. Craig LS, Cunningham-Myrie CA, Theall KP, Gustat J, Hernandez JH, and **Hotchkiss DR**. (2023). Multimorbidity patterns and health-related quality of life in Jamaican adults: A cross sectional study exploring potential pathways. *Frontiers in Medicine*. PMID: [10272613](#).
3. Alemayehu YK, Dessie E, Medhin G, Birhanu N, **Hotchkiss DR**, Teklu AM, and Kiros M. (2023). The impact of community-based health insurance on health service utilization and financial risk protection in Ethiopia. *BMC Health Services Research*. PMID: [36683041](#).
4. Bertone MP, Palmer N, Kruja K, and Witter S on behalf of HSSEC Working Group 1. (2023). How do we design and evaluate health system strengthening? Collaborative development of a set of health system process goals. *International Journal of Health Planning and Management*. PMID: [36576082](#).
5. Godha D, and **Hotchkiss DR**. (2022). A decade of conditional cash transfer programs for reproductive health in India: How did equality fare? *BMC Public Health*. PMID: [35216569](#).
6. Koporc K, **Hotchkiss DR**, Stoecker CF, McFarland D, and Carton T. (2021). Assessing the effects of disease-specific programs on health systems: an analysis of the Bangladesh Lymphatic Filariasis Elimination Program's impacts on health service coverage and catastrophic health expenditures. *PLOS Neglected Tropical Diseases*. PMID: [34813600](#).
7. Yukich J, Worges M, Gage A, **Hotchkiss DR**, Preaux A, Murray C, and Cappa C. (2021). Projecting the impact of the COVID-19 pandemic on child marriage. *Journal of Adolescent Health*. PMID: [34809896](#).
8. Craig LS, Cunningham-Myrie CA, **Hotchkiss DR**, Theall KP, Hernandez JH, and Gustat J. (2021). Social determinants of multimorbidity in Jamaica: Application of latent class analysis in a cross-sectional study. *BMC Public Health*. PMID: [34162349](#).

9. Khalid F, Raza W, **Hotchkiss DR**, and Soelaeman RH (2021). Health services utilization and out of pocket (OOP) expenditures in public and private facilities in Pakistan: An empirical analysis of the 2013-14 OOP Expenditure Survey. *BMC Health Services Research* 21, 178. PMID: [33632234](#).
10. Khalid F, Sattar A, Brunal MP, Raza W, and **Hotchkiss DR** (2020). Tracking Pakistan's progress towards Universal Health Coverage: an empirical assessment of summary and tracer indicators and their associated inequities (2001-14). *Pakistan Journal of Public Health*.
11. Craig L, **Hotchkiss DR**, Theall KP, Cunningham-Myrie CA, Hernandez JH, and Gustat J (2020). Prevalence and patterns of multimorbidity in the Jamaican population: A comparative analysis of latent variable models. *PLOS One*. PMID: [32702046](#).
12. Micah A, and **Hotchkiss DR** (2020). Community-level factors associated with facility-based delivery in Uganda: A multilevel analysis. *BMC Pregnancy and Childbirth*. PMID: [32245431](#).
13. Khalid F, Brunal M, Sattar A, Laokri S, Jowett M, Raza W, and **Hotchkiss DR** (2020). Assessing the Efficiency of Sub-National Units in Making Progress Towards Universal Health Coverage: Evidence from Pakistan. *Health Systems & Reform*. 6(1):1-14. PMID: [31567005](#).
14. Maini R, Lohmann J, **Hotchkiss DR**, Mounier-Jack S, and Borghi J (2019). What happens when donors pull out? Examining differences in motivation between health workers who recently had performance-based financing (PBF) withdrawn with workers who never received PBF in the Democratic Republic of Congo. *International Journal for Health Planning and Management*. 8(11):646-661. PMID: [31779290](#).
15. Wisniewski JM, Diana ML, Yeager VA, and **Hotchkiss DR** (2018). Comparison of objective measures and patients' perceptions of quality of services in government health facilities in the Democratic Republic of Congo. *International Journal for Quality in Health Care*. 30(6):472-479. PMID: [29617833](#).
16. Laokri S, Soelaeman R, and **Hotchkiss DR** (2018). Assessing out-of-pocket expenditures for primary health care: how responsive is the Democratic Republic of Congo health system to providing financial risk protection?. *BMC Health Services Research*. 18(1):451. PMID: [29903000](#).
17. Maini R, **Hotchkiss DR**, and Borghi J (2017). A cross-sectional study of the income sources of primary care health workers in the Democratic Republic of Congo. *Human Resources for Health*. 15(1):17. PMID: [28219445](#).
18. Yu SH, Mason J, Crum J, Cappa C, and **Hotchkiss DR** (2016). Differential effects of young maternal age on child growth. *Global Health Action*. 9:31171. PMID: [27852422](#).
19. Wisniewski JM, Yeager VA, Diana ML, and **Hotchkiss DR** (2016). Exploring the barriers to rigorous monitoring and evaluation of health systems strengthening activities: qualitative evidence from international development partners. *International Journal of Health Planning and Management*. 31(4):e302-e311. PMID: [26927839](#).
20. Godha D, Gage AJ, **Hotchkiss DR**, and Cappa C (2016). Predicting Maternal Health Care Use by Age at Marriage in Multiple Countries. *Journal of Adolescent Health*. 58(5):504-11. PMID: [26984836](#).
21. **Hotchkiss DR**, Godha D, Gage AJ, and Cappa C (2016). Risk factors associated with the practice of child marriage among Roma girls in Serbia. *BMC International Health and Human Rights*. 16:6. PMID: [26831893](#).

22. **Hotchkiss DR**, Banteyerga H, and Tharaney M (2015). Job satisfaction and motivation among public sector health workers: evidence from Ethiopia. *Human Resources for Health*. 13:83. PMID: [26510794](#).
23. Do M, Soelaeman R, and **Hotchkiss DR** (2015). Explaining inequity in the use of institutional delivery services in selected countries. *Maternal and Child Health Journal*. 19(4):755-63. PMID: [24985698](#).
24. Sado L, Spaho A, and **Hotchkiss DR** (2014). The influence of women's empowerment on maternal health care utilization: evidence from Albania. *Social Science & Medicine*. 114:169-77. PMID: [24929918](#).
25. **Hotchkiss DR**, Godha D, and Do M (2014). Expansion in the private sector provision of institutional delivery services and horizontal equity: evidence from Nepal and Bangladesh. *Health Policy & Planning*. 29 Suppl 1:i12-9. PMID: [25012794](#).
26. Silva S, and **Hotchkiss DR** (2014). How does the spread of primary and secondary schooling influence the fertility transition? Evidence from rural Nepal. *Journal of Biosocial Science*. 46(1):16-46. PMID: [23425368](#).
27. Godha D, and **Hotchkiss DR**, Gage AJ (2013). Association between child marriage and reproductive health outcomes and service utilization: a multi-country study from South Asia. *Journal of Adolescent Health*. 52(5):552-8. PMID: [23608719](#).
28. Khan MM, **Hotchkiss DR**, Dmytraczenko T, and Zunaid Ahsan K (2013). Use of a Balanced Scorecard in strengthening health systems in developing countries: an analysis based on nationally representative Bangladesh Health Facility Survey. *International Journal of Health Planning and Management*. 28(2):202-15. PMID: [22887590](#).
29. Hernández-Ávila JE, Palacio-Mejía LS, Lara-Esqueda A, Silvestre E, Agudelo-Botero M, Diana ML, **Hotchkiss DR**, Plaza B, and Sanchez Parbul A (2013). Assessing the process of designing and implementing electronic health records in a statewide public health system: the case of Colima, Mexico. *Journal of the American Medical Informatics Association*. 20(2):238-44. PMID: [23019239](#).
30. Do M, and **Hotchkiss DR** (2013). Relationships between antenatal and postnatal care and post-partum modern contraceptive use: evidence from population surveys in Kenya and Zambia. *BMC Health Services Research*. 13:6. PMID: [23289547](#).
31. **Hotchkiss DR**, Diana ML, and Foreit KG (2012). How can routine health information systems improve health systems functioning in low- and middle-income countries? Assessing the evidence base. *Advances in Health Care Management*. 12:25-58. PMID: [22894044](#).
32. Macintyre KC, Littrell M, **Hotchkiss DR**, Mndzebele S, Nkambule R, Malima B, Gumbi S, Dhlamini T, Brown L, and Kermerer V (2011). Barriers to referral in Swaziland: perceptions from providers and clients of a system under stress. *World Medical & Health Policy*. 3(4):1.
33. Bauhoff S, and **Hotchkiss DR**, Smith O (2011). The impact of medical insurance for the poor in Georgia: a regression discontinuity approach. *Health Economics*. 20(11):1362-78. PMID: [20949629](#).
34. Bauhoff S, **Hotchkiss DR**, and Smith O (2011). Responsiveness and satisfaction with providers and carriers in a safety net insurance program: evidence from Georgia's Medical Insurance for the Poor. *Health Policy*. 102(2-3):286-94. PMID: [21820197](#).



35. **Hotchkiss DR**, Godha D, and Do M (2011). Effect of an expansion in private sector provision of contraceptive supplies on horizontal inequity in modern contraceptive use: evidence from Africa and Asia. *International Journal for Equity in Health*. 10:33. PMID: [21854584](#).
36. **Hotchkiss DR**, Aqil A, Lippeveld T, and Mukooyo E (2011). Evaluation of the Performance of Routine Information System Management (PRISM) framework: evidence from Uganda. *BMC Health Services Research*. 10:188. PMID: [20598151](#).
37. Liu X, **Hotchkiss DR**, and Bose S (2008). The effectiveness of contracting-out primary health care services in developing countries: a review of the evidence. *Health Policy & Planning*. 23(1):1-13. PMID: [17999986](#).
38. Djibuti M, Rukhadze N, **Hotchkiss DR**, Eisele TP, and Silvestre EA (2007). Health systems barriers to effective use of infectious disease surveillance data in the context of decentralization in Georgia: a qualitative study. *Health Policy*. 83(2-3):323-31. PMID: [17376558](#).
39. Liu X, **Hotchkiss DR**, and Bose S (2007). The impact of contracting-out on health system performance: a conceptual framework. *Health Policy*. 82(2):200-11. PMID: [17055607](#).
40. **Hotchkiss DR**, Piccinino L, Malaj A, Berruti AA, and Bose S (2007). Addressing the phenomenon of bypassing in Albania: the impact of a primary health care strengthening intervention. *International Journal of Health Planning & Management*. 22(3):225-43. PMID: [17624878](#).
41. **Hotchkiss DR**, Eisele TP, Djibuti M, Silvestre EA, and Rukhadze N (2006). Health system barriers to strengthening vaccine-preventable disease surveillance and response in the context of decentralization: evidence from Georgia. *BMC Public Health*. 6:175. PMID: [16822316](#).
42. Khan MM, **Hotchkiss DR**, Berruti AA, and Hutchinson PL (2006). Geographic aspects of poverty and health in Tanzania: does living in a poor area matter?. *Health Policy & Planning*. 21(2):110-22. PMID: [16361350](#).
43. **Hotchkiss DR**, Hutchinson PL, Malaj A, and Berruti AA (2005). Out-of-pocket payments and utilization of health care services in Albania: evidence from three districts. *Health Policy*. 75(1):18-39. PMID: [16298226](#).
44. **Hotchkiss DR**, Rous JJ, Seiber EE, and Berruti AA (2005). Is maternal and child health service use a causal gateway to subsequent contraceptive use?: a multi-country study. *Population Research and Policy Review*. 24(5):543.
45. Seiber EE, **Hotchkiss DR**, Rous JJ, and Berruti AA (2005). Maternal and child health and family planning service utilization in Guatemala: implications for service integration. *Social Science & Medicine*. 61(2):279-91. PMID: [15893045](#).
46. **Hotchkiss DR**, Krasovec K, and El-Idrissi MD, Eckert E, Karim AM (2005). The role of user charges and structural attributes of quality on the use of maternal health services in Morocco. *International Journal of Health Planning & Management*. 20(2):113-35. PMID: [15991458](#).
47. Rous JJ, and **Hotchkiss DR** (2003). Estimation of the determinants of household health care expenditures in Nepal with controls for endogenous illness and provider choice. *Health Economics*. 12(6):431-51. PMID: [12759914](#).



48. Sharma S, McGreevey W, Kanjilal B, and **Hotchkiss DR** (2002). Reproductive and child health accounts: an application to Rajasthan. *Health Policy & Planning*. 17(3):314-21. PMID: [12135998](#).
49. Mason JB, Deitchler M, Gilman A, Gillenwater K, Shuaib M, **Hotchkiss DR**, Mason K, Mock N, and Sethuraman K (2002). Iodine fortification is related to increased weight-for-age and birthweight in children in Asia. *Food and Nutrition Bulletin*. 23(3):292-308. PMID: [12362593](#).
50. **Hotchkiss DR**, Mock NB, and Seiber EE (2002). The effect of the health care supply environment on children's nutritional status in rural Nepal. *Journal of Biosocial Science*. 34(2):173-92. PMID: [11926453](#).
51. **Hotchkiss DR** (2001). Expansion of rural health care and the use of maternal services in Nepal. *Health and Place*. 7(1):39-45. PMID: [11165154](#).
52. Sharma S, and **Hotchkiss DR** (2001). Developing financial autonomy in public hospitals in India: Rajasthan's model. *Health Policy*. 55(1):1-18. PMID: [11137185](#).
53. Speizer IS, **Hotchkiss DR**, Magnani RJ, Hubbard B, and Nelson K (2000). Do service providers in Tanzania unnecessarily restrict access to contraceptive methods? *International Perspectives on Sexual and Reproductive Health*. 26(1):13.
54. Celik Y, and **Hotchkiss DR** (2000). The socio-economic determinants of maternal health care utilization in Turkey. *Social Science & Medicine*. 50(12):1797-806. PMID: [10798333](#).
55. **Hotchkiss DR**, Eckert E, and Macintyre K (2000). The role of health services research in the Safe Motherhood Initiative. *American Journal of Public Health*. 90(5):810-1. PMID: [10800438](#).
56. **Hotchkiss DR**, Magnani RJ, Lakssir A, Brown LF, and Florence CS (1999). Family planning program effects on contraception use in Morocco: 1992-1995. *Population Research and Policy Review*. 18(6):545.
57. Florence CS, **Hotchkiss DR**, and Magnani RJ (1999). Assessing the effects of monetized food aid on reproductive behavior in rural Honduras: methodology and findings. *Evaluation and Program Planning*. 22(4).
58. Macintyre K, and **Hotchkiss DR** (1999). Referral revisited: community financing schemes and emergency transport in rural Africa. *Social Science & Medicine*. 49(11):1473-87. PMID: [10515630](#).
59. Johnson FC, **Hotchkiss DR**, Mock NB, McCandless P, and Karolak M (1999). The impact of the AFDC and Food Stamp programs on child nutrition: empirical evidence from New Orleans. *Journal of Health Care for the Poor and Underserved*. 10(3):298-312. PMID: [10436729](#).
60. **Hotchkiss DR**, and Gordillo A (1999). Household health expenditures in Morocco: implications for health care reform. *International Journal of Health Planning and Management*. 14(3):201-17. PMID: [10623189](#).
61. Magnani RJ, **Hotchkiss DR**, Florence CS, and Shafer LA (1999). The impact of the family planning supply environment on contraceptive intentions and use in Morocco. *Studies in Family Planning*. 30(2):120-32. PMID: [16617546](#).
62. **Hotchkiss DR**, Magnani RJ, Rous JJ, Azelmat M, Mroz TA, and Heikel J (1999). The effects of maternal-child health service utilization on subsequent contraceptive use in Morocco. *Journal of Biosocial Sciences*. 31(2):145-65. PMID: [10333649](#).

63. **Hotchkiss DR**, and Jacobalis S (1999). Indonesian health care and the economic crisis: is managed care the needed reform?. *Health Policy*. 46(3):195-216. PMID: [10351668](#).
64. **Hotchkiss DR**, Rous JJ, Karmacharya K, and Sangraula P (1998). Household health expenditures in Nepal: implications for health care financing reform. *Health Policy & Planning*. 13(4):371-83. PMID: [10346029](#).
65. Magnani RJ, McCann HG, **Hotchkiss DR**, and Florence CS (1998). The effects of monetized food aid on reproductive behavior in rural Honduras. *Population Research and Policy Review*. 17(4):305-328.
66. **Hotchkiss DR** (1998). The tradeoff between price and quality of services in the Philippines. *Social Science & Medicine*. 46(2):227-42. PMID: [9447645](#).
67. von Braun J, **Hotchkiss DR**, and Immink M (1989). New Export Crops in Traditional Smallholder Agriculture: Effects on Production, Consumption, and Nutrition in Guatemala. International Food Policy Research Institute Research Report: 73.
68. Kumar S, and **Hotchkiss DR** (1987). Consequences of Deforestation for Women's Time Allocation, Agricultural Production, and Nutrition in Hill Areas of Nepal. International Food Policy Research Institute Research Report: 69.

#### Submitted Articles

**Hotchkiss DR**, Blum L, Craig LS, Yemweni A, Wisniewski J, Lusamba-Dikassa P. Assessing the impact of complex health systems strengthening projects on maternal health care utilization in fragile and conflict-affected states: evidence from the Democratic Republic of the Congo. Submitted to *Social Science & Medicine* on 9 June 2023.

#### Technical Reports, Background Papers, Policy Briefs (since 2000)

Hotchkiss, David, Matt Worges, Janna Wisniewski, Paul-Samson Lusamba-Dikassa, Lauren Blum, Eva Silvestre, Gael Compta, and Francine Wood. 2022. USAID Integrated Health Program Evaluation Report: Year 2 Impact Evaluation Results. Chapel Hill, NC, USA: Data for Impact, University of North Carolina.

Angeles, Gustavo, Hannah Silverstein, Matt Worges, David Hotchkiss, and Janna Wisniewski. 2021. Estimating National and Area-Specific COVID-19 Effects on Health Service Use in the Democratic Republic of the Congo. Chapel Hill, NC, USA: Data for Impact, University of North Carolina.

Hotchkiss, David, Janna Wisniewski, Matt Worges, Paul-Samson Lusamba-Dikassa, Lauren Blum, Eva Silvestre, Gael Compta, and Francine Wood. 2022. The Impact of USAID's Integrated Health Program in the Democratic Republic of the Congo: Midline Report. Chapel Hill, NC, USA: Data for Impact, University of North Carolina.

Law, Michael R., David R. Hotchkiss, and Karen A. Grépin. 2022. Evaluating Health Systems Strengthening Interventions Using Routinely Collected Data. Hove, East Sussex, UK: Health Systems Strengthening Research Collaborative, Itad.

United Nations Children's Fund. 2020. COVID-19: A threat to progress against child marriage, UNICEF, New York.

Hotchkiss, David, Janna Wisniewski, Paul-Samson Lusamba-Dikassa, Lauren Blum, Matt Worges, Charles Stoecker, Eva Silvestre. 2020. The Impact of USAID's Integrated Health Program in the Democratic Republic of the Congo: Baseline Report. Chapel Hill, NC, USA: Data for Impact, University of North Carolina.

Tulane Study Team. 2019. Evaluation of the Impact of the ASSP (Accès aux Soins de Santé Primaires) Project in the Democratic Republic of the Congo. New Orleans: Tulane University School of Public Health and Tropical Medicine.

Aqil, Anwer, Eva Silvestre, David Hotchkiss, and Lisa Maniscalco. 2017. Health Systems Strengthening: Monitoring, Evaluation, and Learning Guide. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Diana, Mark L., Valerie A. Yeager, and David R. Hotchkiss. 2017. Health Systems Strengthening: A Compendium of Indicators. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Diana, Mark L., Valerie A. Yeager, and David R. Hotchkiss. 2017. Health Systems Strengthening: A Literature Review. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Hernandez, Juan Eugenio, Lina Sofia Palacio-Mejia, Agustin Lara-Esqueda, Eva Silvestre, Marcela Agudelo, Mark Diana, David Hotchkiss, and Beatriz Plaza. 2012. Electronic Health Records in Colima, Mexico: Case Study on Design and Implementation. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Hotchkiss, David, Mark Diana, and Karen Foreit. 2012. How Can Routine Health Information Systems Improve Health Systems Functioning in Low-Resource Settings? Assessing the Evidence Base. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Do, Mai, and David Hotchkiss. 2011. Relationships between Maternal Health Care and Postpartum Modern Contraceptive Use in Kenya and Zambia. Chapel Hill, NC: MEASURE/Evaluation Population and Reproductive Health Award, University of North Carolina at Chapel Hill.

Khan, M. Mahmud, David Hotchkiss, M. Sekander Hayat Khan, A.P.M. Shafiur Rahman, Tauhida Nasrin, and A.R. Khan. 2010. Bangladesh Health Facility Survey. 2009. Washington, DC: The World Bank.

Hotchkiss, David, Deepali Godha, and Mai Do. 2010. Effect of an Expansion in Private Sector Provision of Contraceptive Supplies on Horizontal Inequity in Modern Contraceptive Use: Evidence from Africa and Asia, Chapel Hill, NC: MEASURE/Evaluation Population and Reproductive Health Award, University of North Carolina at Chapel Hill.

Banteyerga, Hailom, Aklilu Kidanu, David Hotchkiss, Susna De, Manisha Tharaney, and Katie Callahan. 2010. *The System-wide Effects of the Scale-Up of HIV/AIDS, Tuberculosis, and Malaria Services in Ethiopia*. Bethesda, MD: Health Systems 20/20 project, Abt Associates Inc.

Aqil, Anwer, David Hotchkiss, Theo Lippeveld, Edward Mukooyo and Sarah Asiimwe. 2008. Do the PRISM Framework Tools Produce Consistent and Valid Results? A Uganda Study. Chapel Hill, NC: MEASURE/Evaluation, University of North Carolina at Chapel Hill.

Khan, Mahmud, and David Hotchkiss. 2008. Financing the Health Sector in Low- and Middle-Income Countries: A Manual for Decision Makers. Technical report prepared for Pan-American Health Organization.

Banteyerga, Hailom, Aklilu Kidanu, and David Hotchkiss. 2007. Scaling-Up Antiretroviral Treatment and Health Systems: Evidence from Ethiopia, Bethesda, MD: Health Systems 20/20, Abt Associates Inc.

Hotchkiss, David, and Kate Stillman. 2007. System-Wide Effects of the Global Fund: Evidence from Three Country Studies, Bethesda, MD: Health Systems 20/20, Abt Associates Inc.

Namibia HIV/AIDS Mid-Term Review Team. 2007. Mid-Term Review: The Third Medium Term Plan on HIV/AIDS. Republic of Namibia, Ministry of Health and Social Services, National AIDS Coordination Programme.

Hotchkiss, David, and Stephane Guimbert. 2007. Health Chapter. In World Bank, Managing Public Expenditures for a New Nepal: A Public Finance Management Review.

Hotchkiss, David, and Eva Silvestre. 2007. Private and Public Expenditures on Education and Health Services in Nepal. Briefing paper prepared for the World Bank's Nepal Public Finance Management Review.

Hotchkiss, David, and Subhash Pokhrel. 2006. Access to Public Services by the Poor in Nepal. Briefing Paper prepared for the Asian Development Bank.

Hotchkiss, David, 2006. Improving Health System Performance through Monitoring and Evaluation. Bethesda, MD: Partners for Health Reform*plus*, Abt Associates Inc.

Eisele, Thomas, David Hotchkiss, Sara Bennett, and Kate Stillman. 2006. Linking Health System Strengthening Interventions to the Strategic Objectives of USAID's Global Health Bureau: A Conceptual Framework. Bethesda, MD: Partners for Health Reform*plus*, Abt Associates Inc.

Eisele, Thomas, David Hotchkiss, Allison Bingham, Eva Silvestre, Debbie Gueye, Kathryn Banke, Peter Mmbuji, and Leonard E.G. Mboera. 2006. Assessing the Effectiveness of an Intervention Package for Improving Analysis and Response of the Infectious Disease Surveillance System in Tanzania. Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates Inc.

Brinkerhoff, Derick, and David Hotchkiss. 2006. Improving Primary Health Care by Strengthening Accountability in the Health Sector. Bethesda, MD: Partners for Health Reform*plus*, Abt Associates Inc.

Khan, M. Mahmud, and David Hotchkiss. 2006. How Effective are Health Systems Strengthening Programs in Reaching the Poor? A Rapid Assessments Approach, Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David R., Marni Laverentz, and Mamuka Djibuti. 2006. Projected Resource Requirements for Vaccine Preventable Disease Prevention and Control Activities in Georgia, Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David, Thomas Eisele, Mamuka Djibuti, Natia Rukhadze, Ivdity Chikovani, Ketigoguadze, Eva Silvestre, Anton Luchitsky, George Gotsadze. 2005. Assessing the Effectiveness of an Intervention to Improve Analysis & Use of Vaccine Preventable Disease Surveillance Information in Georgia, Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David R., Linda Piccinino, Altin Malaj, Andrés Berruti, and Sujata Bose. 2005. Primary Health Care Reform in Albania: Findings from an Impact Assessment of a Pilot Project. Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David R. and Simone Silva. 2005. Poverty, fertility, and contraceptive use in Nepal. Briefing paper prepared for the World Bank's Nepal Poverty Assessment.

Hotchkiss, David R. and Eva Silvestre. 2005. Poverty and child nutrition in Nepal. Briefing paper prepared for the World Bank's Nepal Poverty Assessment.

Liu, Xingzhu, David R. Hotchkiss, Sujata Bose, Ricardo Bitran, and Ursula Giedion. 2004. Contracting for Primary Health Services: Evidence on Its Effects and A Framework for Evaluation. Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David R., Paul L. Hutchinson, Altin Malaj, and Andrés A. Berruti. 2004. Out-of-pocket payments and utilization of health care services in Albania: Evidence from three districts. Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Partners for Health Reform*plus*. 2004. Primary Health Care Reform in Albania: Baseline Survey of Basic Health Care Utilization, Expenditures, and Quality. Bethesda, MD: The Partners for Health Reform*plus* Project, Abt Associates, Inc.

Hotchkiss, David R., Jeffrey J. Rous, Eric E. Seiber, and Andres A. Berruti. 2002. The Influence of Maternal & Child Health Service Utilization & Access to Private Sector Family Planning Services on Subsequent Contraceptive Use: A Multi-country Study. Washington DC: USAID/Commercial Market Strategies Project.

Hotchkiss, David R. 2001. Economic Analysis of SO20 Program Assistance in Egypt. Report prepared for The Partners for Health Reform*plus* Project, Abt Associates, Inc. and USAID/Egypt.

Hotchkiss, David R., Barun Kanjilal, Suneeta Sharma, P.R. Sodani, and Gautam Chakraborty. 2000. Household Expenditures on Reproductive and Child Health Care Services in Udaipur, Rajasthan, in The POLICY Project and India Institute for Health Management Research (eds.), *Financing Reproductive & Child Health Care in Rajasthan*. New Delhi, India: The Future's Group International and Indian Institute for Health Management Research.

Sharma, Suneeta, William McGreevey, and David R. Hotchkiss. 2000. Financing Reproductive and Child Health Care in Rajasthan: The Sources and Uses of Funding, in The POLICY Project and India Institute for Health Management Research (eds.), *Financing Reproductive & Child Health Care in Rajasthan*. New Delhi, India: The Future's Group International and Indian Institute for Health Management Research.

Winfrey, William, Barun Kanjilal, Suneeta Sharma, and David R. Hotchkiss. 2000. The Role of the Private Sector in Reproductive and Child Health Service Delivery in Rajasthan, in The POLICY Project and India Institute for Health Management Research (eds.), *Financing Reproductive & Child Health Care in Rajasthan*. New Delhi, India: The Future's Group International and Indian Institute for Health Management Research.

**Conference Presentations (since 2000)**

Beyond the first year of COVID-19: Estimating the effects on essential health services utilization in the Democratic Republic of the Congo, Uganda, and Bangladesh (with Gustavo Angeles, Hannah Silverstein, Matt Worges, Janna Wisniewski JM, Paul Lusamba-Dikassa, William Weiss, and Karar Zunaïd Ahsan), Seventh Global Symposium on Health Systems Research, Dubai, 2022.

Determinants of clinicians' diagnosis and referral of hypothetical COVID-19 cases in the Democratic Republic of the Congo, Seventh Global Symposium on Health Systems Research with Janna Wisniewski, Paul-Samson Lusamba-Dikassa), Dubai, 2022.

Community health worker expectations and how community health programs can increase volunteer motivation in the Democratic Republic of the Congo (with Lauren Blum, Janna Wisniewski, Paul-Samson Lusamba-Dikassa), Seventh Global Symposium on Health Systems Research, Dubai, 2022.

Using Routine Health Information System Data for Research and Decision-Making: Examples from Low- and Middle-Income Countries, Organizer and co-chair of satellite session, Sixth Global Symposium on Health Systems Research, Dubai (virtual conference), 2020.

Resilience of Routine Health Services during a Protracted Ebola Outbreak in the Democratic Republic of the Congo (with Janna Wisniewski, Matt Worges, and Paul-Samson Lusamba-Dikassa. Sixth Global Symposium on Health Systems Research, Dubai (virtual conference), 2020.

Assessing the Income Sources of Frontline Health Workers in the Democratic Republic of the Congo: Implications for the Health Workforce and the People They Serve (with Janna Wisniewski, Lauren Blum, Paul-Samson Lusamba-Dikassa). Sixth Global Symposium on Health Systems Research, Dubai (virtual conference), 2020.

Using routine health information systems data to evaluate the impact of health systems strengthening projects: an example from the Democratic Republic of the Congo (with Janna Wisniewski, Paul-Samson Lusamba-Dikassa, Charles Stoecker, Eric Mafuta, Patrick Kayembe, Leslie Craig, Eva Silvestre, and Tory Taylor). American Evaluation Association Annual Conference, Minneapolis, 2019.

Evaluating complex health systems strengthening projects in fragile states: lessons learned from a mixed methods impact evaluation in the Democratic Republic of the Congo (with Janna Wisniewski, Lauren S. Blum, Paul-Samson Lusamba-Dikassa, Mala Ali Mapatono, Leslie Craig, Saleh Babazadeh, Joseph Keating, and Jane Bertrand). Fifth Global Symposium on Health Systems Research, Liverpool, 2018.

Addressing complexity in the evaluation of health systems strengthening interventions: an example of a process evaluation from the Democratic Republic of the Congo (with Janna Wisniewski, Paul-Samson Lusamba-Dikassa, Lauren Blum, Ann-Marie Yongho, and Jane Bertrand). Fourth Global Symposium on Health Systems Research, Vancouver, 2016.

Addressing complexity in the evaluation of health systems strengthening interventions: an example of a process evaluation from the Democratic Republic of the Congo (with Janna Wisniewski, Paul-Samson Lusamba-Dikassa, Lauren Blum, Ann-Marie Yongho, and Jane Bertrand). American Evaluation Association Annual Conference, Atlanta, 2016.

Improving financial risk protection in fragile and conflict-affected countries: evidence from the Democratic Republic of the Congo. 15<sup>th</sup> Annual International Conference on Health Economics, Management & Policy, Athens, 2016.

Risk factors associated with child marriage among Roma girls in Serbia (with Deepali Godha and Anastasia Gage). Population Association of America Annual Meeting, San Diego, 2015.

Job satisfaction and motivation among public-sector primary health care workers: evidence from Ethiopia (with Hailom Banteyerga and Manisha Tharaney). Third Global Symposium on Health Systems Research, Cape Town, 2014.

Monitoring and evaluation of health systems strengthening: a practitioner's guide (with Mark Diana and Valerie Yeager). MEASURE Evaluation End-of-Phase-III Event, Washington D.C., 2014.

Expansion in the private sector provision of institutional delivery services and horizontal equity: Evidence from Nepal and Bangladesh (with Deepali Godha and Mai Do). Ninth Conference of the International Health Economics Association, Pre-Congress Symposium on the Role of the Private Sector in Health Systems, Sydney. 2013.

Explaining inequity in the use of family planning and delivery services in the Philippines (with Mai Do and Rieza Soelaeman). Population Association of America Annual Meeting, New Orleans, 2013.

Can community systems strengthening improve service delivery?: a literature review (with Mary Freyder, Erin Peacock, and Kate Macintyre). Second Global Symposium on Health Systems Research, Beijing, 2012.

How can routine health information systems improve health systems performance in low- and middle-income countries? assessing the evidence base (with Mark L. Diana and Karen G. Fleishman Foreit). Second Global Symposium on Health Systems Research, Beijing, 2012.

Knowledge translation: from health technology assessment to health policymaking. Chair, Satellite Session, Second Global Symposium on Health Systems Research, Beijing, 2012.

Relationships between maternal health care and post-partum modern contraceptive use in Kenya and Zambia (with Mai Do). Population Association of America Annual Meeting, San Francisco, 2012.

Understanding the role of child marriage on reproductive health outcomes: evidence from a multi-country study in South Asia (with Mai Do). International Conference on Family Planning: Research and Best Practices, Dakar, 2011.

Is there a causal relationship between maternal health care utilization and subsequent contraceptive use?: evidence from Kenya and Zambia (with Deepali Godha and Mai Do). International Conference on Family Planning: Research and Best Practices, Dakar, 2011.

Effect of an expansion in private sector provision of contraceptive supplies on horizontal inequity in modern contraceptive use: evidence from Africa and Asia (with Deepali Godha and Mai Do). Eighth Conference of the International Health Economics Association, Pre-Congress Symposium on the Role of the Private Sector in Health Systems, Toronto. 2011.

Does the availability of schools influence fertility in low-income countries?: evidence from Nepal (with Simone Silva). 80<sup>th</sup> Annual Meeting of the Southern Economic Association, Atlanta, 2010.



How has the scale-up of HIV/AIDS services influenced other priority health care services?: Evidence from a panel of primary health care facilities in Ethiopia (with Hailom Banteyerga, Aklilu Kidanu, Manisha Tharaney, and Katie Callahan). XVIII International AIDS Conference, Vienna, Austria, July 2010.

The Role of Political Conflict in the Rapid Fertility Decline in Nepal (with Simone Silva and Mai Do). Annual Meeting of the Population Association of America, Dallas, April 2010.

Estimating optimum resource needs of a health care system: An analysis based on cross-country data (with Mahmud Khan and Amparo Gordillo). Seventh Conference of the International Health Economics Association, Beijing, July 2009.

Evaluation of the Medical Assistance Program in the Republic of Georgia: A Regression Discontinuity Approach (with Sebastian Bauhoff and Owen Smith). Seventh Conference of the International Health Economics Association, Beijing, July 2009, and AcademyHealth Annual Research Meeting, Chicago, July 2009.

The System-Wide Effects of Global HIV/AIDS Initiatives: A Review of the Evidence (with Susna De, Pamela Rao and Manisha Tharaney), XVII International AIDS Conference, Mexico City, August 2008.

Global HIV/AIDS Initiatives Research: Gaps, Challenges, Recommendations. Global HIV/AIDS Initiatives Network International Workshop, Dublin, Ireland, November 2007.

Scaling-Up Antiretroviral Treatment and Health Care Systems: Evidence from Ethiopia (with Hailom Banteyerga and Aklilu Kidanu), 135<sup>th</sup> Conference of the American Public Health Association, Washington D.C., November 2007.

Cumulative Investment in Child Health: The Case of Immunization In Nepal (with Subhash Pokhrel and Devendra Gnawali), Sixth Conference of the International Health Economics Association, Copenhagen, July 2007.

Accountability and governance: a framework and strategies. Partners for Health Reform *plus* End-of-Project Conference, Washington D.C., July 2006, and USAID Anti-Corruption Conference, Bangkok, May 2006 (Invited paper).

Improving primary health care services in Albania: The impact of a quality improvement intervention in two districts (with Linda Piccinino, Altin Malaj, Andrés Berruti, and Sujata Bose), 133<sup>rd</sup> Conference of the American Public Health Association, Philadelphia, December 2005.

A surveillance strengthening project leading to broader health reforms in Georgia (with Anton Luchitsky), 133<sup>rd</sup> Conference of the American Public Health Association, Philadelphia, December 2005.

Catastrophic out of pocket payments for health care in poor rural areas of Bangladesh (with Shakil Ahmed, Mahmud Khan, and Paul Hutchinson), Fifth Conference of the International Health Economics Association, Barcelona, July 2005.

Out-of-pocket payments and utilization of health care services in Albania: Evidence from three districts (with Paul L. Hutchinson, Altin Malaj, and Andrés A. Berruti), Fifth Conference of the International Health Economics Association, Barcelona, July 2005, and 132<sup>nd</sup> Conference of the American Public Health Association, Washington, DC, November 2004.

Contracting for Primary Health Services: Evidence on Its Effects and A Framework for Evaluation (with Xingzhu Liu). Invited paper, WHO Technical Consultation on Health Sector Reform and

Reproductive Health: Developing the Evidence Base, Geneva, November 2004, and 31<sup>st</sup> Annual Conference of the Global Health Council, Washington, DC, June 2004.

Community Level Poverty, Availability of Health Services, and Health Care Utilization Patterns in Tanzania (with M. Mahmud Khan Paul Hutchinson, and Andres Berruti), Fourth Conference of the International Health Economics Association, San Francisco, June 2003.

Does Contact with MCH Services Lead to Subsequent Contraceptive Utilization?: Evidence from Bolivia and Guatemala (with Eric E. Seiber, Andres Berruti, and Jeffrey J. Rous), 129<sup>th</sup> Conference of the American Public Health Association, Atlanta, October 2001.

The Effects of MCH Service Utilization on Subsequent Contraceptive Use in Tanzania, 128<sup>th</sup> Conference of the American Public Health Association, Boston, November 2000.

Household Expenditures on Reproductive and Child Health Care Services in Udaipur, Rajasthan, Dissemination Workshop on Strengthening Reproductive and Child Health Care Financing in Rajasthan, Sponsored by The POLICY Project (USAID), Jaipur, India, January 2000.

## **Invited Presentations**

How to maximize redistributive capacity and efficiency of prepaid funds. Health Financing Reforms in the Eve of the Sustainable Development Goals: A Look at the Past 15 Years of Health Reform. Republic of Rwanda, Ministry of Health. March 29-31, 2016.

Health financing in low- and middle-income countries: the path towards universal health coverage. Global Health Seminar Series for Infectious Disease Residents, Tulane University, 2015.

Physician migration determinants: ethical and political issues and the physician health care workforce (with Richard Culbertson). International Medical Graduates Section, 14<sup>th</sup> Interim Congress Meeting of the American Medical Association, New Orleans, 2011.

Evaluating the system-wide effects of HIV scale-up: methodological gaps, challenges, and recommendations. Invited paper, 5<sup>th</sup> International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention, Cape Town, South Africa, July 2009.

## **Country Experience**

Albania, Bangladesh, Democratic Republic of the Congo, Egypt, Ethiopia, Georgia, Guatemala, India, Indonesia, Lebanon, Mexico, Morocco, Namibia, Nepal, Nigeria, The Philippines, Rwanda, South Africa, Tanzania, Thailand, Turkey, Uganda, Vietnam.

## **Honors and Awards**

NIH National Research Service Award (NRSA), Carolina Population Center, 1990, 1992.  
Graduate Assistantship, Department of Economics, University of North Carolina, 1989, 1991.  
Full Scholarship, Center for Population Research, Georgetown University, 1982 – 1983.

## Professional Organizations

International Health Economics Association (iHEA)  
Health Systems Global (HSG)  
Population Association of America (PAA)  
American Public Health Association (APHA)

## Honorary Societies

Delta Omega, The National Public Health Honors Society  
Sigma Xi, The Scientific Research Society

## Graduate Instruction

Instructor or Co-Instructor at Tulane University

IHSD 6830 – International Health Policy (2022)  
IHSD 6130 – Health Economics for Developing Countries (2021)  
GCHB 6130 – Health Economics for Developing Countries (2017 to 2019)  
GCHB 6830 – International Health Policy (2015 to 2020)  
GHSD 6830 – International Health Policy (2014)  
GHSD 6110 – Health Economics for Developing Countries (1995 to 2015)  
GHSD 6010 – Comparative Health Systems (2011 to 2015)  
INHL 6040 – Health and Economic Development (1994 to 1999)

Guest Lecturer at Tulane University

IHSD 6240 – Health Problems of Developing Societies  
GHSD 6240 – Health Problems of Developing Societies  
GHSD 6030 – Principles of Health Systems Administration  
INHL 6050 – Current Issues in International Health  
INHL 6280 – Epidemiology of Protein Energy Malnutrition  
INHL 7140 – Evaluating Food Aid and Nutrition Programs  
SPH 6030 – Social and Behavioral Aspects of Global Health

Guest Lecturer at George Washington University

PH 273 – International Family Health (2002)

Short Courses

Instructor for Workshop on Evidence for Health Policy: Burden of Disease and Cost-Effectiveness, sponsored by the World Health Organization, Turkey, May – June 2002.

Instructor for Master's Program in Health Economics, sponsored by DFID (Great Britain) and International Centre for Diarrheal Disease Research, Bangladesh, February 1998.

Instructor for the Global Training Course on Social Mobilization for Health, conducted in collaboration with the United Nations Children's Fund (UNICEF), Tulane University, May – July 1996.

## Doctoral Dissertations Supervised

Underway:

None

Completed:

Mehr Manzoor, PhD. 2023. *Gender inequality regimes in global health organizations*

Role: Chair

Current position: In job market

Yibeltal Kiflie Alemayehu, PhD. 2022. *Community engagement in primary healthcare: assessing the functionality and effectiveness of Ethiopia's Women's Development Army*

Role: Chair

Current position: Assistant Professor, Jimma University, The International Center for Monitoring and Evaluation

Travis Porter, DrPH. 2021. *Characteristics, performance, and motivation of Zambia's National Malaria Elimination Programme community health workers*

Role: Chair

Current position: Surveillance Monitoring and Evaluation Officer, PATH

Kim Koporc, ScD. 2020. *Assessing the impact of disease-specific programs on health systems: An analysis of the Bangladesh Lymphatic Filariasis Elimination Program's impact on health service coverage, catastrophic health expenditures, health, employment status, and academic achievement*

Role: Chair

Current position: Public Health Bulletin Project Manager, CDC Foundation

Soo Hyun Yu, PhD. 2020. *Associations between young maternal age at pregnancy and birth size, growth, and cognitive development in first-born children in Cebu, The Philippines.*

Role: Chair (assumed role of chair after the death of Prof. John Mason, her mentor, in 2018)

Current position: Management Analyst, U.S. Department of Army, U.S. Army Medical Command, Fort Wainwright, Alaska

Leslie Craig, PhD. 2019. *Complexity in the prevention & control of non-communicable diseases: a latent class analysis of multimorbidity in the Jamaica population* (Recipient of Tulane University SPHTM Best Dissertation Award)

Role: Chair

Current position: Research Scientist, Tulane University, School of Medicine, Department of Medicine

Faraz Khalid, PhD. 2017. *Pakistan's progress towards Universal Health Coverage (2001-14): an empirical assessment of the determinants of catastrophic health expenditures, efficiency of sub-provincial health systems, and inequities in UHC tracer indicators at the provincial level* (Recipient of Tulane University SPHTM Best Dissertation Award)

Role: Chair

Current position: Research and Innovation Advisor, World Health Organization, Geneva

Janna Wisniewski, PhD. 2017. *The relationship between quality and utilization of health services in the Democratic Republic of the Congo*

Role: Chair

Current position: Research Assistant Professor, Tulane University, School of Public Health and Tropical Medicine, Department of International Health and Sustainable Development

Rieza Soelaeman, PhD. 2016. *Own-price, cross-price, and income elasticities of demand for skilled birth attendance in Indonesia*

Role: Chair

Current position: Health Scientist, Centers for Disease Control and Prevention

Angela Micah, PhD. 2016. *Essays on health shocks and the demand for health care in Uganda*

Role: Chair

Current position: Assistant Professor, University of Washington, School of Medicine, Department of Health Metrics Sciences

Aurora Amoah, PhD. 2015. *Quality of Health Services Provision for Children Under the Integrated Management of Childhood Illness*

Role: Co-chair (with Paul Hutchinson)

Current position: Epidemiologist/Data Use Advisor, USAID/Tanzania

Manisha Tharaney, PhD. 2014. *Breaking ground in maternal health through health sector reforms in Rwanda: Does women's empowerment matter for improving demand for ANC use and skilled attendance at birth?*

Role: Chair

Current position: Senior Technical Advisor, FHI 360

Andrés Berruti, PhD. 2008. *Linkages between health and labor productivity: a case study of Brazil*

Role: Chair

Current position: Team Lead, Economics and Modeling, Centers for Disease Control and Prevention

Amparo Gordillo-Tobar, PhD. 2003. *Demand for maternal health care services in Ecuador: The role of health insurance*

Role: Chair

Current position: Senior Health Economist, The World Bank

Daniel Payne, PhD. 2003. *A multifactorial perspective of risks associated with inadequate and excessive pregnancy weight gain*

Role: Chair

Current position: Epidemiologist, Centers for Disease Control and Prevention

Abdou Moha, PhD. 1999. *Impact of fee-for-episode and prepayment mechanisms on health care utilization for prevalent illnesses: results from a field experiment in Niger*

Role: Chair

Current position: Medical Officer, World Health Organization

Adnan Kisa, PhD. 1998. *Parametric and non-parametric estimation of health production functions; a cross-country analysis of Canada and the United States*

Role: Co-Chair

Current position: Professor and Head of Health Sciences Institute, Kristiana University College, Oslo, Norway

## Editorial Activities

Editorial Boards

Senior Editorial Board Member, *BMC Health Services Research*, 2020 – Present.  
 Academic Editor, *PLOS One*, 2018 – 2021.  
 Editorial Board, *Rwanda Public Health Bulletin*, 2019 – Present.  
 Co-Lead Section Editor (Health Systems and Services in Low- and Middle-Income Settings),  
*BMC Health Services Research*, 2015 – 2020.  
 Associate Editor, *BMC Health Services Research*, 2011 – 2015.

#### Peer-Reviewer

Ad hoc reviewer for the following peer-reviewed journals: *BMC Health Services Research*, *BMC International Health and Human Rights*, *BMJ Open*, *Bulletin of the World Health Organization*, *Demography*, *European Journal of Population*, *Feminist Economics*, *Global Health: Science and Practice*, *Global Public Health*, *Health Economics*, *Health Policy*, *Health Policy & Planning*, *Health Research Policy and Systems*, *International Family Planning Perspectives*, *Journal of Epidemiology and Community Health*, *Journal of Health Communication*, *Journal of Human Resources*, *Journal of the International AIDS Society*, *Journal of International Development*, *Journal of Population Economics*, *The Lancet*, *PLOS One*, *Population and Environment*, *Social Science & Medicine*, *Social Science Research*, *Tropical Medicine and International Health*, *World Development*.

#### Other Professional Activities

External Referee, UJMT Fogarty Global Health Fellowship Program, 2022.  
 Member, Gavi, the Vaccine Alliance, Evaluation Advisory Committee, 2022 – 2023.  
 Member, Gavi, the Vaccine Alliance, Steering Committee, Evaluation of Gavi's policy framework and funding levers, 2022 – 2023.  
 Member, Gavi, the Vaccine Alliance, Steering Committee, Evaluation of Gavi's contribution to reaching zero dose children and missed communities, 2022 – 2023.  
 Member, Scientific Review Committee, Seventh Global Symposium on Health Systems Research (HSR2022), 2022.  
 External Reviewer, Tenure and Promotion Committee of the Arnold School of Public Health at the University of South Carolina, 2022.  
 Member, Health Systems Strengthening Evaluation Collaborative Working Group, The Bill and Melinda Gates Foundation, 2021.  
 Senior Technical Advisor, Improving the Evaluation of Health System Strengthening Investments, The Bill and Melinda Gates Foundation, 2020 – 2021.  
 External Examiner for Doctoral Dissertation, The University of British Columbia, School of Population and Public Health, 2020.  
 External Reviewer, Appointment, Promotion, and Tenure (APT) Committee of the Gillings School of Global Public Health at the University of North Carolina at Chapel Hill, 2020.  
 Member, Scientific Review Committee, Sixth Global Symposium on Health Systems Research (HSR2020), 2020.  
 External Reviewer, Oxford University Press, 2020.  
 External Reviewer, Office of the Deputy Vice Chancellor for Academic Affairs and Research, University of Rwanda, 2019.  
 Peer Reviewer, United Kingdom's Medical Research Council, 2019.  
 Member, Scientific Review Committee, Fifth Global Symposium on Health Systems Research (HSR2018), 2018.  
 Invited Peer Reviewer, USAID/WHO Marshalling the Evidence for Health Governance Contributions to Health System Performance and Health Outcomes. Reviewed the report "Accountability, Health Governance, and Health Systems: Uncovering the Linkages", 2017.

External Reviewer, Committee on Appointments and Promotions and the Advisory Board, Johns Hopkins University, 2009, 2016.

Doctoral Dissertation Examiner, Victoria University of Wellington (New Zealand), 2015.

Invited Expert, Consultative Meeting on Child Marriage Indicators and Targets for Post-2015, UNICEF, 2015.

Member, Health Systems Global Technical Working Group, Translating Evidence into Action, 2014 – present.

Grant Reviewer, Research Grants Council (RGC) of Hong Kong, 2014.

External Reviewer, Appointment, Promotion, and Tenure (APT) Committee of the School of Nursing at the University of North Carolina at Chapel Hill, 2014.

Review panel member, National Institute of Child Health, Eunice Kennedy Shriver National Institute of Child Health & Human Development, Partnerships for Enhanced Engagement in Research, 2013.

Grant Reviewer, The Wellcome Trust, 2002, 2013.

External Reviewer, Ad-Hoc Review Committee for the Office of the Provost of Harvard University, 2013.

Advisor, Development of the E-Learning course “Economic Evaluation Basics”, USAID Global Health e-Learning Center, 2009 – 2010.

Advisor, *Expert Consultation on Metrics, Monitoring & Evaluation, and Research (MMER) for President Barack Obama’s Global Health Initiative (GHI)*, 12 November 2009.

Member, Technical Advisory Group, “Health Systems Strengthening and Health Outcomes: Theoretical Framework”, AIM Project, 14 October 2009.

Invited Participant, Sector-Wide Effects of PEPFAR Public Health Evaluation Meeting, Pretoria, South Africa, 21-23 September 2009.

Invited Participant, “Good Health at Low Cost” Expert Meeting, Rockefeller Foundation, New York City, 29-30 May 2008.

Faculty Mentor, Global Health Fellows Program, 2007 – 2011.

Member, World Health Organization/World Bank Working Group to Develop a Framework and Indicators for Monitoring the International Health Scale-Up, 2007 – 2008.

Grant reviewer, Economic and Social Research Council, 2006.

Member, Global Fund to Fight HIV/AIDS, Tuberculosis, and Malaria (GFATM) Working Group to Develop Health Systems Indicators, 2002.

Abstract reviewer, American Public Health Association (2001 – 2003, 2007).

Member, Research Technical Advisory Group, USAID’s The Commercial Market Strategies (CMS) Project, 1999 – 2000.

## Service to Tulane University

School Search Committee for Chair of the Department of Health Policy and Management, Chair, 2022.

School Executive Faculty Committee, Member, 2020 – Present.

School COVID-19 Task Force, Member, 2020 – 2021.

Department International Health and Development Sub-Committee on an Implementation Plan for Departmental Reorganization, Co-Lead, 2019 – 2020.

School MPH Admissions Committee, Member, 2018 – Present.

School Taskforce on Joint Appointments, Member, 2018 – 2019.

School Taskforce on Communications, Member, 2018 – 2019.

University Senate Budget Review Committee, Member, 1995 – 1997; 2016 – 2018.

Judge, Tulane University’s Annual Health Science Research Days Awards, 2008, 2017, 2019.

Department MPH Admissions Committee, Chair, 2015 – 2018.

University Senate Committee on Research, Member, 2010 – 2018.

School Academic Standards and Policy Committee, Member, 2015 – 2017.

University Biomedical Institutional Review Board, Member, 2006 – 2013.



School Personnel and Honors Committee, Member, 2008.  
School General Faculty, Secretary, 2007 – 2008.  
University Ad-Hoc Fulbright-Hayes Dissertation Review Committee, Member, 1999.  
School Doctoral Studies Committee, Member, 1998 – 2001.  
School Ad-Hoc Committee on Student Grievance Policy, Member, 1998 – 1999.  
School Information Resources Management Committee, Member, 1994 – 2001.  
Faculty Advisory Committee to the Hubert H. Humphrey Fellowship Program, 1998 – 1999.  
Graduate School's Master of Science in Applied Development Program, Co-Coordinator, 1995 – 1998.  
School Grievance Committee, Department Representative, 1996 – 1997; Member at Large, 2000 – 2001.