

CURRICULUM VITAE

Mark Radin

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Specialization: Water & Sanitation; Energy Poverty; Benefit-Cost Analysis; Nonmarket Valuation; Environmental Health; and Public Health

EDUCATION

- 2016- Present University of North Carolina – Chapel Hill, Chapel Hill, NC (*expected May 2021*)
Committee Members:
Professor Aaron Salzberg (Environmental Sciences and Engineering)
Professor Dale Whittington (Advisor, Environmental Sciences and Engineering)
Professor Gregory Characklis (Environmental Sciences and Engineering)
Professor Marc Jeuland (Public Policy, Duke University)
Professor Pamela Jagger (School for Environment and Sustainability, University of Michigan)
- 2014 M.A., International Development, Johns Hopkins University, School of Advanced International Studies (SAIS), Washington, D.C.
- 2009 B.A., International Area Studies, Washington University in St. Louis, St. Louis, MO

PUBLICATIONS

- **Radin, M.**, Wong, B., McManus, C., Sinha, S., Jeuland, M., Larbi, E., Tuffuor, B., Biscoff, N.K., & Whittington, D. (2020). Benefits and costs of rural sanitation interventions in Ghana. *Journal of Water, Sanitation and Hygiene for Development*, 10(4), 724-743.
- **Radin, M.**, Jeuland, M., Wang, H., & Whittington, D. (2020). Benefit-Cost Analysis of Community-Led Total Sanitation: Incorporating Results from Recent Evaluations, *Journal of Benefit-Cost Analysis*, 1-38.
- Anderson, D. M., Cronk, R., Best, L., **Radin, M.**, Schram, H., Tracy, J. W., & Bartram, J. (2020). Budgeting for Environmental Health Services in Healthcare Facilities: A Ten-Step Model for Planning and Costing. *International Journal of Environmental Research and Public Health*, 17(6), 2075.
- Whittington, D., **Radin, M.**, & Jeuland, M. (2020). Evidence-based policy analysis? The strange case of the randomized controlled trials of community-led total sanitation. *Oxford Review of Economic Policy*, 36(1), 191-221.
- Wong, B., & **Radin, M.** (2019). Benefit-Cost Analysis of a Package of Early Childhood Interventions to Improve Nutrition in Haiti. *Journal of Benefit-Cost Analysis*, 10(S1), 154-184.
- Coombes, Y., Hickling, S., & **Radin, M.** (2015). Investment in Sanitation to Support Economic Growth in Africa: Recommendations to the African Ministers' Council on Water (AMCOW) and Ministers of Finance." *World Bank* (2015): 1-22.
- Nagpal, T., & **Radin, M.** (2014). Water and Sanitation for All: Improving WASH Access from 1980 to the Post-2015 World. *SAIS Review of International Affairs* 34.2, 83-91.

Working Papers

- Carson, R., Hanemann, M., **Radin, M.**, & Whittington, D. (2020). Now, Later or Never: How Gender, Age and Race Influence Americans' Receptiveness to Covid-19 Vaccination.

- **Radin, M.,** Karra, M., Mapila, S., Madise, N., & Wong, B. (2020). Cost-benefit analysis of post-partum family planning intervention in Malawi.

RESEARCH EXPERIENCE

- 2018-Present Energy Poverty Partnerships in International Research and Education in Southern Africa (EPPSA) Fellow. EPPSA is a National Science Foundation funded 5-year program to support the study of energy poverty in Zambia, Zimbabwe, and Malawi.
- Designed my own module on willingness to pay for improved cookstoves for the baseline study of a 2-year randomized control trial in Lusaka, Zambia with a sample of more than 1300 households,
 - Supported training and oversight of team of almost 30 enumerators, and
 - Lead on data cleaning and analysis for the baseline survey.
- 2016-Present Graduate Research Assistant University of North Carolina. Work with my academic advisor, Professor Dale Whittington, to evaluate sanitation interventions, particularly, CLTS, and conduct Benefit-Cost analyses of these interventions.
- Conducted benefit-cost analyses of water and sanitation interventions in Haiti and rural Sub-Saharan Africa,
 - Reviewed existing evidence-base on community-led total sanitation (CLTS) from randomized control trials, and
 - Ongoing benefit-cost analyses of CLTS in rural Ghana.

TEACHING EXPERIENCE

- Spring 2019 Teaching Assistant for ENVR 580: Policy Design for Environmental Health Solutions, University of North Carolina – Chapel Hill Gillings School of Public Health. Introductory Graduate seminar on the how to address environment health problems and review of existing policy instruments to address these issues.
- Gave 3 guest lectures (75 minutes), graded homework assignments, supported design and grading of final exam.
- Spring 2017-18 Teaching Assistant for ENVR 785: Public Investment Theory, University of North Carolina – Chapel Hill Gillings School of Public Health. Graduate level seminar on the theory and techniques of public investment and decision making. The course focuses on benefit-cost analysis and non-market valuation.
- Attended all classes, assisted students with in-class activities, gave 2 guest lectures (75 minutes), led review sessions to cover basic economic theory and solutions for problem sets, and graded homework assignments.
- Spring 2017-18 Teaching Assistant for ENVR 685: Water and Sanitation Planning and Policy in Developing Countries, University of North Carolina – Chapel Hill Gillings School of Public Health. Graduate level seminar on policy and planning approaches for improving water and sanitation services. Topics included appropriate technologies, pricing mechanisms, subsidies, monitoring and evaluation, and politics of service provision.
- Fall 2018 Teaching Assistant for ENVR 600: Environmental Health, University of North Carolina – Chapel Hill Gillings School of Public Health. Introductory Graduate level class on environmental health.
- Spring 2019 Short course instructor at Johns Hopkins University, School of Advanced International Studies.
- Designed and taught a short survey course (4 hours) on the foundations of Benefit-Cost Analysis and Nonmarket Valuation to 15 students.

WORK EXPERIENCE

- 2021-Present Consultant, Iris Group. Provide support valuing the non-market benefits of a workplace-based menstrual hygiene management (MHM) intervention.
- Designed contingent valuation survey for estimating employee willingness-to-pay for the MHM intervention.
 - Developed approach for valuing factory owner willingness-to-pay for the MHM intervention.
- 2020-Present Consultant, Copenhagen Consensus Center. Lead author on analyses in Haiti, Ghana, and Malawi.
- Produced two benefit-cost analyses on rural WASH interventions for the Haiti Prioritise and Ghana Priorities projects.
 - Completed a benefit-cost analysis on a post-partum family planning intervention in Malawi.
- 2019-Present Consultant, Rural Water Supply and Sanitation Community of Practice. Assisted in the research and writing of numerous tools supporting World Bank task teams focused on developing new sanitation projects.
- Developed a sustainability check-list for identifying the core components and common obstacles to maintaining functioning water services in rural areas in low- and middle-income countries.
 - Lead research on developing approaches for providing WASH services in small towns and dense rural areas in low- and middle-income countries.
- 2016 Research Analyst, United Nations Office of Project Services Juba, South Sudan. Supported the development of a South Sudan Road Strategy and Development plan.
- Conducted more than 30 key informant interviews with government officials and civil society representatives to inform development of a national road strategy for South Sudan.
 - Served as the lead editor on 4 deliverables to the Ministry of Roads and Bridges in South Sudan.
- 2014- 2016 Consultant, Water and Sanitation Program of the World Bank, Nairobi, Kenya. Worked at the Africa Region Headquarters on rural sanitation issues in Kenya and across the continent.
- Developed the county level Environmental Health Factsheets with the Ministry of Health to support counties prioritize public health interventions.
 - Coordinated an impact evaluation in 2 counties in Kenya with government partners, Washington, D.C.-based staff, and the data collection team.
 - Led the analysis of the eThekwini Agreement indicators in 35 African countries and identified best practices for building enabling environments to support sanitation

PRESENTATIONS & TALKS

- August 2020 Benefit-Cost Analysis of Community-Led Total Sanitation with and without Subsidies in Rural Ghana presented at the Copenhagen Consensus Center Ghana Priorities.
- March, 2019 Benefit-Cost Analysis of Community-Led Total Sanitation: Incorporating Results from Recent Evaluations presented at the Society for Benefit-Cost Analysis.
- October, 2019 Benefit-Cost Analysis of Community-Led Total Sanitation: Incorporating Results from Recent Evaluations presented at the Reference Case Guidelines for Benefit-Cost Analysis Workshop.
- March, 2015 Monitoring eThekwini Commitments presented at the AfricaSan IV conference.

AWARDS AND SCHOLARSHIPS

- 2020 ICPSR Scholarship for Public Administration, Public Policy, and Public Affairs

2018-Present	EPPSA Fellow
2016-Present	Royster Society Fellow
2018	Alvis Turner Award
2014	William C. Foster Award
2013	Nitze Fellowship
2012	First Year SAIS Fellowship