JEFFREY W. ROZELLE

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EDUCATION

University of Southern California: Spatial Sciences Institute — 06/2026 (Expected)
Doctor of Philosophy, Population Health & Place — *Los Angeles, CA*

Tulane University, School of Public Health & Tropical Medicine — 05/2016
Master of Public Health, Epidemiology — *New Orleans, LA*

University of Wisconsin - Madison — 08/2017 - 2019
Graduate courses from MS in GIS & Webmap Programming — *Remote*

Taylor University — 05/2012
Bachelor of Arts, Psychology — *Upland, IN*

SKILLS

Languages	R, SAS, SPSS, Python, STATA, SQL, Open Data Kit
Statistical	Bayesian and Frequentist regression modeling (multi-level, multivariate, and multivariable), Factorial analysis, Path analysis, spatial analysis (spatial-lag models, geographically weighted regression, surface and field analysis), sampling methods
Data management	Google Cloud (VM, CoudSQL), PostgreSQL, DHIS2 Servers
Other	Monitoring & evaluation, Qualitative & Quantitative data collection, survey design, research project management, international team management, cross-cultural communication

EXPERIENCE

University of Southern California — 8/2021 – Present
Doctor of Philosophy in Population Health & Place Candidate — *Los Angeles, CA*

· Research interests in the measuring the health service environment, facility quality, barriers to care in hard-to-reach populations, and measurement methodology.
· Manuscripts include simulation study comparing geospatial methodologies for linking health facilities to geomasked household surveys, and the influence of maternal exposure to own-child death and sister's maternal death on reproductive health behaviors, the influence of the health service environment on health outcomes, and other work.

University of Southern California — 5/2024 – Present
Research Assistant — *Los Angeles, CA*

· Research Assistant for Dima Qato, using Medicare data & NCPDP data to study access to Pharmacies in the United States.
· Study pharmacy access for Medicare Part D Recipients
· Analysis of big data such as National Counsel for Prescription Drug Programs pharmacy network data over time and prescription fill transactions.

University of Southern California — 8/2022 – 5/2024
Teaching Assistant — *Los Angeles, CA*

· Lab instructor for "Sustainability Science and the City" and "Human Populations and Natural Disasters," where I filled in for lectures, developed and refined lab materials. Department nominee for the Outstanding Teaching Assistant Award (award decision pending).

Last Mile Health   9/2019 – 6/2021
Director for Monitoring, Evaluation, Research & Learning   Monrovia, Liberia

· Principle Investigator for quantitative studies and supervisor of PI for qualitative studies in Liberia
· Coordinate activities for the Monitoring, Evaluation, Research & Learning Department and lead a multidisciplinary team of 16 multinational individuals
· Technical oversight of survey activities, including survey design, sampling strategies, data analysis and reporting
· Lead the departments strategy for engagement with the Ministry of Health HMER division for advocacy and capacity building
· Represent Last Mile Health Liberia for Monitoring & Evaluation to donors, such as Gavi in Geneva
· Owner of MERL budget >$300,000
· Technical advisor to the Ministry of Health for mapping and M&E of National Community Health Assistant Program.

Last Mile Health   10/2018 – 9/2019
Deputy Director for Research, Monitoring & Evaluation   Monrovia, Liberia

· Lead refresh design process for annual Last Mile Survey – a research demographic & health type survey that visited more than 3000 households annually. Collaborated on the IRB process for scale research activities.
· Manager for software architect, consultants, quantitative and qualitative data collection teams, and county-level monitoring teams.
· Crafted Data Quality Assurance strategy, from policy to coding detailed automated checks in ODK, Python & R.
· Coded live-updating R Shiny dashboards with interactive visualizations for monitoring data – such as a Leaflet map visualiing community & health district level reported malnutrition cases and sophisticated ODK forms.

International Rescue Committee   3/2017 – 9/2018
Monitoring & Evaluation Coordinator   Kabul, Afghanistan

· Develop M & E plans and SOPs for various multi-sector projects in emergency response, education, and livelihoods funded by USAID/OFDA, PRM, PATRIP, Dutch SV, and other donors. Oversee M & E for programming over $16 million per annum.
· Grew the department from 8 to 17 M & E staff across eight provinces in Afghanistan. Supervised, trained and supported team in person and remotely.
· Develop surveys, and manage data collection and analysis for medium-scale surveys in a hostile, insecure environment.
· Analyze program data, and write evaluation and assessment reports and presentations.
· Support proposal development by writing background sections, crafting M & E narratives, selecting appropriate indicators, and planning their collection and measurement.
· Bring innovative technologies to M & E to facilitate better data collection and visualization, including QGIS, KoBo, and Google Data Studio.
· Created the technical and organizational structure for the Complaints Response Mechanism.

Mercy Corps   9/2016 – 3/2017
Monitoring, Evaluation & Learning Officer   Dushanbe, Tajikistan

· Developed M & E plan and facilitated adaptive management for Peaceful and Prosperous Neighbors, a BPRM-funded project with livelihood and GBV components among Afghan refugees and Tajik migrants.
· Analyzed endline Knowledge, Practice, and Coverage survey for the USAID-funded Maternal and Child Health project in the Khatlon region of Tajikistan – drafted final KPC survey report on findings.
· Drafted study papers and presentations on topics including water coverage in Feed the Future priority areas and gave presentations to stakeholders, oversaw rapid assessments.
· Supervised M & E team, introduced project management tools and contributed to staff capacity development. Pioneered use of Audio Computer-Assisted Self Interview (ACASI) tools.

Water Mission   5/2016 – 9/2016
Consulting Monitoring & Evaluation Manager   *Dar es Salaam, Tanzania*

· Hired, trained and coordinated team for "Testing the rationale for smart water dispensers in Tanzania" funded by the World Bank.
· Collaborated in the development of study design, logframe, identification of appropriate indicators and sampling procedures.
· Created survey instruments, including a KAP survey using ODK Collect and an SMS platform
· Qualitative and quantitative data collection, analysis, and management using R, QGIS, and SAS- drafted internal and external reports based on results. Used both primary and secondary datasets

Highly Vulnerable Children Research Center   9/2015 – 5/2016
Research Assistant   *New Orleans, LA*

· Drafted portions of HIV/AIDS prevention curricula funded by USAID in South Africa
· Contributed to survey testing for M & E of the "Future Families" program, a program that provides support to keep orphans and vulnerable children and children affected by HIV/AIDS in their families
· Created presentations for stakeholders and produced text for a curriculum to develop caregiver/adolescent relationships and encourage safe sex behavior among youth
· Continuing review for IRB approval and literature reviews for publications and program development

Mercy Corps   6/2015 – 9/2015
Monitoring & Evaluation Intern   *Bishkek, Kyrgyzstan*

· Programmed surveys in ODK, analyzed data and drafted reports on anthropometric outcomes for Mercy Corps' ongoing school nutrition program, parents' training, and others
· Designed maps in QGIS to identify regions where Mercy Corps worked about World Food Program and which vulnerable regions remained unreached by the two initiatives
· Performed analysis on UNICEF MICS and DHS data
· Assisted in background research for a USDA McGovern-Dole Food for Education grant and advocated for adding a deworming component in the next round of funding

Water Mission   6/2011 – 8/2011 & 5/2015
Research Assistant   *Jinja, Uganda & Saint Marc, Haiti*

· Contributed to a monitoring & evaluation study to examine why trade water systems in Daulphine and Rossignol, Haiti were not being used as expected.
· Developed an SMS survey questionnaire using Telerivet and was responsible for the technical functionality of the platform
· Administered surveys, conducted interviews in Uganda & Haiti, and analyzed resulting KAP data using SPSS. Co-authored paper
· Performed lab tests on stool samples with Triage parasite panel for Giardia, Cryptosporidium, and Entamoeba histolitica

PEER-REVIEWED PUBLICATIONS

Rozelle, J. W.. (With Editor). Readiness and Client Satisfaction with Maternal and Child Health in LMICs: A Multi-Country Study Using Service Readiness Index Domains. *BMC Health Services Research*

Lungu, E., **Rozelle, J. W.**, & Smith-Greenaway, E. (2024). [Authorship listed alphabetically] Fatalism or vigilance? Exposure to infant and maternal deaaths and subsequent use of maternal health services in Malawi. *World Development*, 185, 106795. https://doi.org/10.1016/j.worlddev.2024.106795

Jockers, D., Ngafuan, R., Baernighausen, T., Kessley, A., White, E.E., Kenny, A., Kraemer, J., Geedeh, J., **Rozelle, J.W.**, Holmes, L., Obaje, H., Wheh, S., Pederson, J., Siedner, M.J., Mendin, S., Subah, M., Hirschhorn, L.R. (2024). Under-five mortality before and after implementation of the Liberia National Community Health Assistant (NCHA) program: A study protocol. PloS One, 19(3). https://doi.org/10.1371/journal.pone.0272172

Rozelle, J. W., Meyer, M. J., McKenna, A. H., Obaje, H., Kraemer, J. D. (2023). The effect of interviewer-respondent age difference on the reporting of sexual activity in the Demographic and Health Surveys: Analysis of data from 21 countries. *Journal of Global Health*, 13, 04002.

Rozelle, J. W., Korvah, J., Wiah, O., Kraemer, J., Hirschhorn, L. R., Price, M. R., ... & Panjabi, R. (2021). Improvements in malaria testing and treatment after a national community health worker program in rural Liberia. *Journal of Global Health Reports*, 5, e2021073.

Arriola, V., Tischendorf, J., Musuuza, J., Barker, A., **Rozelle, J. W.**, & Safdar, N. (2016). Assessing the risk of hospital-acquired Clostridium difficile infection with proton pump inhibitor use: A meta-analysis. *Infection Control & Hospital Epidemiology*, 37(12), 1408-1417.

Arriola, V., & **Rozelle, J. W.** (2016). Traumatic Brain Injury in United States Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF) Hispanic Veterans. *Behavioral Sciences*, 6(3).

Deal, J. L., Massa, H., Check, K., Naaktgeboren, C., Malone, A. M., & **Rozelle, J. W.** (2015). A multidimensional measurement of the health impact of community-based water treatment systems in Uganda. *Journal of Water, Sanitation and Hygiene for Development*, 5(1), 1-8.

CONFERENCES

Rozelle, J. W., Kraemer, J. D. (2025). Measuring facility capacity to provide care: Revisiting the Service Readiness Index in Malawi. *Consortium of Universities for Global Health 2024*. (Poster)

Rozelle, J.W. (2024). Administrative and Geographic Determinants of Health Facility Readiness in Malawi. *Consortium of Universities for Global Health 2024*. (Poster)

Rozelle, J. W. (2022). Probabilistically linking displaced household surveys to health facilities and other geographic features. *GeoMed 2022*. (Poster)