

MELISSA ANGELINA RODGERS

710 W. 34th Street, Apt 201, Austin, TX 78705 | 202-264-0438 | Melissa.A.Rodgers@utexas.edu

EDUCATION

University of Texas, Austin, TX

Doctoral Student in Quantitative Methods

2016 - Present

Masters of Education in Quantitative Methods

2016

Department of Educational Psychology

University of Pennsylvania, Philadelphia, PA

Clinical Research Certificate from Center for Clinical Epidemiology & Biostatistics

2014

Coursework: Fundamentals of Biostatistics, Epidemiological Research Methods, Database Management

University of Maryland, College Park, MD

Bachelor of the Arts in Sociology & Women's Studies

2006

Magna Cum Laude

AWARDS & HONORS

College of Education Dean's Scholarship

2016 – 2020

Lysbeth Ann Martin Hale Endowed Presidential Scholarship in Education

2015 – 2016

Academic-based out-of-state tuition waiver

2014 – 2016

Texas New Scholar Award for Master's Students

2014 – 2015

Faculty Nominated Student Commencement Speaker - Sociology

2006

Sociology Exchange Scholarship Recipient - University of Surrey, Guildford, UK

2004 – 2005

Simone Paper Industry Charitable Fund Scholarship Awardee

2002 – 2006

PUBLICATIONS

Pustejovsky J.E. & **Rodgers, M.A.** (Under Review). Testing for Funnel Plot Asymmetry of Standardized Mean Differences. Retrieved from osf.io/4ntcy.

Meisel, Z. F., Bansal, E., Schapira, M, Perrone, J., Cannuscio, C., Rhodes, K.V., Hess, E., Goldberg, E., **Rodgers, M.A.**, Bell, J., Zyla, M, Macallom, S., & Schofer, F.S. (2018). Using Stories to Communicate Individual Risk for Opioid Prescriptions: Study Protocol for the Life STORRIED Multicenter Randomized Clinical Trial. *BMC Open Access*.

Green, T.L., & **Rodgers, M.A.** (2018). Exploring the Preliminary Development of the Community Equity Literacy Leadership Assessment (CELLA) for Principals. *Journal of Educational Administration*.

Stevens, E., **Rodgers, M.A.**, & Powell, S. (2017). Interventions in Mathematics for Upper Elementary and Secondary Students: A Meta-Analysis of Research. *Remedial & Special Education*.

Bohrman, C., Tennille, J., Levin, K., **Rodgers, M.A.** & Rhodes, K.V. (2017). Balancing motherhood and intimate partner violence: Superwomen driven to drink. *Journal of Family Violence*, 32(7), 699-709.

Green, T.L., & **Rodgers, M.A.** (2017). Developing community equity literacy in educational leaders: An exploratory study of aspiring principals. *Journal of School Leadership*.

Rodgers, M.A., Meisel, Z., Wiebe, D., Crits-Christoph, P. & Rhodes, K.V. (2016). Wireless Participant Incentives Using Reloadable Bank Cards to Increase Clinical Trial Retention with Abused Women Drinkers: A Natural Experiment. *Journal of Interpersonal Violence*, 1-23.

Rodgers, M. A., Grisso, J. A., Crits-Christoph, P., & Rhodes, K. V. (2016). No quick fixes: A mixed methods feasibility study of an urban community health worker outreach program for intimate partner violence. *Violence Against Women*, 1-22.

Rhodes, K. V., **Rodgers, M.A.**, Sommers, M., Hanlon, A., Chittams, J., Doyle, A., Datner, E. & Crits-Christoph, P. (2015). Brief Motivational Intervention for Intimate Partner Violence and Heavy Drinking in the Emergency Department: A Randomized Clinical Trial. *JAMA*, 314(5), 466-477.

Rhodes, K.V., **Rodgers, M.A.**, Sommers, M., Hanlon, A., Crits-Christoph, P. (2014). The Social Health Intervention Project (SHIP): Protocol for a randomized controlled clinical trial assessing the effectiveness of a brief motivational intervention for problem drinking and intimate partner violence in an urban emergency department. *BMC Emergency Medicine*, 14:10.

Rhodes, K.V., Grisso, J.A. **Rodgers, M.A.**, Gohel, M., Witherspoon, M., Davis, M., Dempsey, S. & Crits-Christoph, P. (2013). The Anatomy of a Community Health Center System-level Intervention for Intimate Partner Violence. *Journal of Urban Health*. Published online 06 August 2013.

PRESENTATIONS

- Green, T.L., & **Rodgers, M.A.** (2017, April). Developing and Validating The Community Equity Literacy Leadership Assessment for Principals. Presented at the Annual Meeting of the American Educational Research Association, Washington, D.C.
- Green, T.L., & **Rodgers, M.A.** (2016, April). Developing Community Equity Literacy in Educational Leaders: An Exploratory Study of Aspiring Principals. Presented at the Annual Meeting of the American Educational Research Association, Washington, D.C.
- Rodgers, M.A.** (2016, April). A systematic review of reported attrition for IES-funded efficacy and replication trials of educational interventions: 2002 through 2010. Division-D In-Progress Research Poster at the Annual Meeting of the American Educational Research Association, Washington, D.C.
- Rhodes, K. & **Rodgers, M.A.** *IPV Screening & Assessment: Electronic Health Records, Meaningful Use Standards, and System-wide Responses.* Intimate Partner Violence Screening and Counseling: Research Symposium – Dec 9 2013. Invited participant. US Department of Health and Human Services, Washington, D.C.
- Rodgers, M.A.**, Carroll, K., Vinoya, C. & Rhodes, K. (2013). *Considering cumulative trauma among women who experience intimate partner violence: the impact on alcohol use.* 2013 APHA Annual Meeting, Boston, MA.
- Rodgers, M.A.**, Hanlon, A., Datner, B., Rhodes, K.V. (2013). *Does a Wireless Incentive Structure Improve Retention, Subject Satisfaction and Safety in Intimate Partner Violence Research?* 2013 National SAEM meeting, Atlanta, GA.
- Rhodes, K. V., & **Rodgers, M. A.** (2012). *Using technology to increase ED patient recruitment, follow up, and retention in longitudinal studies.* Presented at the didactic session: "Generation X to Z and Emergency Medicine Research: Using Computer-based Technology for Recruitment, Consent, Intervention and Follow-Up.", 2012 National SAEM meeting, Chicago, IL May 12, 2012.

GRADUATE TEACHING AND RESEARCH EXPERIENCE

- Graduate Research Assistant**, The University of Texas at Austin, Austin, TX **January 2017 – September 2018**
Sexual Orientation and Gender Identity (SOGI) Focused School Policies and Student Well-Being, UT Population Research Center Support Dr. Stephen T. Russell with ongoing study of school policies focused on sexual orientation & gender identity (SOGI) and student wellbeing. Responsibilities include identification, management and analysis of multiple large administrative and survey data sources that include (a) repeated cross-section designs and (b) multiple levels of analysis (students, teachers, schools, and school districts).
- Teaching Assistant**, The University of Texas, Austin, TX **August 2014 – Present**
Quantitative Methods Courses, Department of Educational Psychology
Meta-Analysis: Tasha Beretvas, PhD (Fall 2018)
Hierarchical Linear Models: Keenan Pituch, PhD (Fall 2016)
Correlation and Regression Methods: Lindsey Smith, PhD (Summer 2015) & Tiffany Whittaker, PhD (Fall 2015)
Experimental Design & Statistical Inference: Keenan Pituch, PhD (Spring 2015)
Fundamentals of Statistics: Tasha Beretvas, PhD (Fall 2014)
- Graduate Research Assistant**, The University of Texas at Austin, Austin, TX **August 2014 – May 2016**
Office of Educational Research Support, College of Education
Provide assistance to Dr. Tasha Beretvas, Associate Dean of Research and Graduate Studies. Develop and format webpage content for College of Education Research website. Compiled Research Grant Digests for upcoming funding opportunities for CoE Faculty. Member and organization support for the Graduate Committee on Research in Education (G-CORE), a student-led group in the College of Education that puts on workshops and seminars to support graduate student research. Assistance with preparations and logistics for a variety of events: AERA 2015 University of Texas College of Education Reception in Chicago, IL, Third Annual Texas Universities Educational Statistics and Psychometrics Meeting (TUESAP), 2015 College of Education Graduate Student Campus Visit Day, New Graduate Student Meet & Greet Breakfast in Fall 2015.
- Semester Project Graduate Assistant**, The University of Texas at Austin, Austin, TX **July 2015 – August 2016**
Project Support to Terrance Green, Assistant Professor in the Department of Educational Administration
Provide methodological guidance with creation study procedures, and data collection tools for pilot study, which aims to develop a measure of Community Equity Literacy among aspiring school leaders. Wrote the initial IRB application and verbal consent script for approval to the Office of Research Services. Collaborated with Dr. Green to develop the pre & post survey questions. Create survey in Qualtrics, an online survey tool.
- Graduate Research Assistant**, The University of Texas at Austin, Austin, TX **October 2015 – September 2018**
Employment Issues Subcommittee & Gender Equity Climate Subcommittee, UT Gender Equity Council
Conduct statistical analysis for the creation of a university wide report on gender equity, specifically focused on (1) the variation in tenured/tenure-track salary, promotion, and supplemental pay between male and female UT faculty 2004-2014 (2) gender differences in course inventory survey and course load data for 2010 -2015 and (3) gender differences and overall changes between 2008 and 2015 climate survey of tenured/tenure-track faculty.

RESEARCH & DATA MANAGEMENT EXPERIENCE

PCORI Grant Patient Investigator, University of Pennsylvania, Philadelphia, PA

Consultant, University of Pennsylvania, Philadelphia, PA

Project Manager, University of Pennsylvania, Philadelphia, PA

Data Manager & Research Specialist, University of Pennsylvania, Philadelphia, PA

January 2017 – Present

July 2014 – January 2017

October 2011 – July 2014

March 2010 – October 2011

Under the direction of emergency medicine physician and researcher Dr. Karin V. Rhodes, I worked in a varying capacities for the Center for Emergency Care Policy Research. Research focuses on interdisciplinary studies of intimate partner violence, problem drinking, and interventions to prevent injury, depression and other psychosocial risks. Project management and coordinating support was provided for the following grants:

Social Health Intervention Project (S.H.I.P.): A 5-year NIAAA-funded randomized control trial (R01-AA018705-01A1) assessing a brief social work intervention for female emergency department patients experiencing intimate partner violence and heavy drinking.

- Develop and maintain a comprehensive procedural manual for a 3 year clinical randomized controlled trial.
- Supervision of three full-time on-site coordinators, and 15-20 part-time research assistants responsible for recruitment, enrollment, and data collection 7 days a week in two urban emergency departments.
- Develop REDCap databases to manage participants' study activities, retention & capture outcomes data.
- Provide product solutions and guide effective implementation of innovative wireless incentive structure.
- Work with a contracted telecommunications company to develop an Interactive Voice Response System (IVRS) Phone survey that meets data collection and administrative monitoring needs.
- Collaborate with hospital IT team to guide the development and maintenance of an electronic screening and tracking system, linking electronic medical record system and study eligibility criteria.
- Generate Data Safety Monitoring (DSMB) and federal reports, Co-Investigator data updates and data quality reports for staff
- Work closely with the study statistician to develop baseline data and prepare for primary outcomes analyses.

Evidence for Healing Hurt People (HHP): Solicited Annie E. Casey Foundation grant for manualization and efficacy study on trauma patients of Hahnemann Hospital at Drexel University being treated for a violence related injury. This 3 year project assesses if trauma-informed care following a violent incident can reduce hospital recidivism and retaliation.

- Design of multi-site quasi-experimental trial evaluating the effectiveness of a hospital-based violence intervention program
- Refinement of data collection tools using an Audio Computer-assisted Self-interviewing (ACASI) technology.
- Implement and manage wireless incentive structure to pay participants using PNC Visa Gift Cards.

Promote Health Assessment– 1675 Foundation Grant: Development, refinement and implementation of a patient-completed computer-based assessment of social health risks, current symptoms and family history. Patient data populates the electronic medical record for provider review.

- Assist hospital IT team with the survey and graphical design of the Promote Health Assessment.
- Train and supervise two research assistants responsible to gathering patient feedback on the computer-based assessment

PDPH Challenge Grant: A 2-year NIH funded (RC1-MD-004415-02) system-level intervention aimed at screening and addressing family violence in community health centers, and feasibility trial assessing a community health advocate to support abused women.

- Assist in the design, refinement and implementation of data collection materials and study protocols.
- Develop and manage multiple REDCap databases to capture tracking and outcome data.
- Create monthly data reports to be presented to Co-Investigators and Health Center Staff.
- Establish data entry guidelines and monitor research assistants' entry and duplicate entry of all study data.
- Provide statistical support for data safety monitoring board and study statistician, including the drafting of DSMB reports.
- Write methods and results for manuscript publications.

Administrative Support and Grant Development

- Write and guide development of specific aims and innovative technologies for NIDA R01 RCT proposal: "Informed Decision Making to Prevent Chronic Opioid Use Following Traumatic Injury."
- Recruit and hire all full-time and part-time staff; HR oversight including: filing of paperwork, receipt of required immunizations and IRB certification, coordinate required trainings and assess fidelity.
- Prepare data and archive documentation for Inter-university Consortium for Political and Social Research (ICPSR) data deposit for National Institute of Justice Grant # 2006-WG-BX-0007.
- Prepare reimbursements, order supplies, and provide on-going research support to study team members.

Research Associate, Healthy Families/Thriving Communities Collaborative Council, Washington, D.C.

November 2007 – August 2009

Supervisor(s): Nicole Gilbert, Deputy Director; Jacquelyn Henry, Executive Director

Healthy Families/Thriving Communities Collaborative Council is a nonprofit organization that provides technical assistance, training, advocacy and resource development for a network of seven neighborhood-based Collaboratives in Washington, D.C. whose primary goal was to alleviate child abuse and neglect through primary prevention and diversion.

- Standardized clinical data collection processes using a web-based relational database, Efforts to Outcomes (ETO)
- Developed monthly and quarterly reports on data quality and performance management for each of the 7 collaboratives.
- Established data quality committees comprised of quality assurance representatives from each collaborative.
- Managed the production of a reproducible “Year End Report” – an internal document that presents the demographic and program benchmarks for each of the Collaboratives.
- Assisted Data Administrator with ETO database training and ongoing technical assistance to collaborative staff.
- Represented the Collaboratives on the Evaluation Committee for the Partnership for Community-Based Services (PCBS) joint practice model between the collaboratives and Child and Family Services Agency (CFSA) implemented in 2009.
- Assisted with the development of collaborative-wide Practice Standards Manual, specifically all documentation processes.

Data Consultant, Citywide Coordinating Council on Youth Violence Prevention, Washington, D.C.

July 2008 – October 2009

Youth Violence and Gang/Crew Violence Intervention Grants: City government funded initiative to provide mini-grants to community, civic, or faith-based organizations for programs that intervene with D.C. youth (age 14-24) at-risk or involved with gang/crew violence.

- Development of databases, report formats, and analysis plan for monthly and cumulative data reports with respect to geographic location of 25 grantees.
- Creation of youth satisfaction survey instrument and implementation protocol.
- Provided regular feedback and recommendations on data collection and evaluation methodology to Coordinating Council.

SKILLS

R, Stata, SAS, SPSS, Qualtrics, REDCap Database, ArcGIS, iWork, MSWorks, Survey Monkey