

Rebecca Ehrenkranz

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EDUCATION

- University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA** Expected Summer 2022
- PhD in Epidemiology
- Center for the Neural Basis of Cognition, Pittsburgh, PA** Expected Summer 2022
- Carnegie Mellon University – University of Pittsburgh graduate training program
- Johns Hopkins Bloomberg School of Public Health, Baltimore, MD** May 2016
- Master of Public Health
- Brandeis University, Waltham, MA** May 2013
- Bachelor of Arts in Health: Science, Society, and Policy; Islamic and Middle Eastern Studies

SKILLS SUMMARY

- Epidemiologic methods
- Study design
- Quality assurance/quality control
- Project management
- Biostatistics
- Data analysis

RESEARCH EXPERIENCE

- University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA** Aug. 2019 - Present
Epidemiology of Brain Resilience to Aging (eBrain) Research Group
PhD Student

- Determine brain network properties of vitality in older adults using multimodal neuroimaging techniques
- Evaluate novel associations between perceived energy, mobility, and cognitive function in population-based cohorts
- Publish and present findings related to the health impacts of positive psychological states
- Develop expertise in neuroepidemiologic study designs and analytic methods
- Establish interdisciplinary research collaborations within the university and with external investigators

- National Institutes of Health/National Cancer Institute, Rockville, MD** Jun. 2017 – Aug. 2019
Division of Cancer Control & Population Sciences; Surveillance Research Program; Data Quality, Analysis, & Interpretation Branch
Cancer Research Training Award Fellow

- Conducted research using Surveillance, Epidemiology and End-Results (SEER) cancer registry data using SEER*Stat, Joinpoint, and Stata software
- Improved data quality process documentation and developed new quality control procedures implemented within SEER
- Managed a data linkage program between SEER cancer data and state-level infectious disease registry surveillance data
- Presented audit results and recommendations to program leadership, partners at CDC, and SEER registry managers

- University of Washington, Institute for Health Metrics and Evaluation, Seattle, WA** Sept. 2016 – Mar. 2017
Global Burden of Disease Researcher in Neglected Tropical Disease

- Modeled estimates of morbidity and mortality for: Zika, Human African Trypanosomiasis, Leishmaniasis, and Rabies
- Gained expertise in the sociodemographic considerations affecting neglected tropical disease incidence and prevalence
- Identified and reviewed data sources to determine their relevance and utility for new projects and ongoing analyses

- Johns Hopkins Bloomberg School of Public Health, Baltimore, MD** Sept. 2016 - June 2017
Research Data Abstractor, International Vaccine Access Center

- Organized a systematic literature review and extracted data with Distiller software as part of an international team for a meta-analysis of pneumococcal conjugate vaccine (PCV) dosing trials
- Contributed to a report on global disease impact and PCV products and dosing schedules for Gavi, the Vaccine Alliance

- Johns Hopkins School of Medicine/Johns Hopkins Hospital, Baltimore, MD** Jan. 2016 – Sept. 2016
Project Coordinator and Analyst at the Comprehensive Stroke Center and Dana Center for Preventative Ophthalmology

- Planned and implemented data analysis alongside senior researchers
- Established and managed the official ‘Get With The Guidelines’ stroke recovery database for clinical and scientific use
- Assessed patients’ neurological function in clinic using neuropsychiatric tests

- Johns Hopkins Bloomberg School of Public Health, Baltimore, MD** Oct. 2015 – Apr. 2016
Project Coordinator, Vector-Borne Disease Surveillance Study (practicum project)

- Oversaw study designed to monitor traveler’s exposure to vector-borne disease in Latin America
- Set project goals and devised strategies to meet those objectives

Dana-Farber Cancer Institute/Dana-Farber Harvard Cancer Center, Boston, MA Jun. 2013 – Jun. 2015
 Clinical Investigational Data Analyst: Level II (Sept. 2014- June 2015) & Level I (June 2013-Sept. 2014)

- Designed protocols and data capture forms for investigator-initiated and sponsor-initiated Phase I, Thoracic, Sarcoma, and Proton Beam trials run through Dana-Farber/Harvard Cancer Center
- Conducted quality assurance and quality control monitoring for clinical oncology research data using SAS, SQL, and Unix
- Coordinated with primary investigators and research coordinators to ensure protocol compliance and data accuracy
- Monitored and reported all adverse events to the Data and Safety Monitoring Committee

LEADERSHIP EXPERIENCE

Center for the Neural Basis of Cognition, Pittsburgh, PA Aug. 2020 – Present
 Social Committee Chair

- Plan, budget, and publicize on and off campus events for over 200 graduate students and postdoctoral trainees

Project Sunshine, Washington, DC Sept. 2017 – Aug. 2019
Project Sunshine provides programs supporting hospitalized pediatric patients and their families
 Volunteer Event Leader

- Led activities designed to encourage socialization and promote relaxation
- Coordinated volunteer participation at monthly events at a local children’s hospital and the NIH Children’s Inn

Fund for Global Health, Seattle, WA Apr. 2017 – Jun. 2017
Fund for Global Health is a philanthropic agency working to provide innovative global health solutions through advocacy
 Global Health Advocacy Intern: Tuberculosis

- Targeted communication about the importance of funding tuberculosis control to federal and state representatives
- Engaged partner organizations (such as RESULTS: the power to end poverty) to assist with ongoing advocacy efforts
- Devised work schedules, training, and goals for two student interns

Universities Allied for Essential Medicines: Hopkins Chapter, Baltimore, MD Sept. 2015 – May 2016
 Student Organizer

- Advocated successfully for Johns Hopkins University to grant the Medicines Patent Pool an exclusive, royalty-free license to develop sutezolid (a promising drug candidate to treat multi-drug resistant tuberculosis)

Brandeis Student Health Advisory Committee, Waltham, MA Sept. 2011 – May 2012
 Student Advisor

- Represented the Brandeis student body in liaison group between students and the University Health Center
- Organized Brandeis Health Week, a series of events designed to familiarize students with Health Center resources and staff

PROFESSIONAL DEVELOPMENT

Conference presentations: Gerontological Society of America [GSA] (Oral presentations, 2021; Poster presentation, 2020); Society for Epidemiologic Research [SER] (Poster presentations, 2018 - 2020); Society of Behavioral Medicine Annual Meeting (Poster presentation, 2019); Division of Cancer Control and Population Sciences Fellows Symposium (Oral presentation, 2018); North American Association of Central Cancer Registries [NAACCR] Annual Conference (Oral presentation, 2017 - 2018); NAACCR Annual Education Conference/SEER Workshop (Oral presentations, 2017 - 2018);

Invited presentations: GSA Symposium Chair (2021), SER Speed Mentoring Panel for Epidemiologists Considering Returning to School to Pursue Doctoral Studies (2020 - 2021); NIH Liver Fibrosis to Cancer Workshop (2019); JHSPH Capstone Symposium (Oral presentation, 2016), CAMTech-MGH Zika Innovation Hackathon (2016)

Certifications: Translational Research in Clinical Oncology (National Cancer Institute, 2017); Tuberculosis: Diagnosis, Treatment, and Prevention (Johns Hopkins Center for Clinical Global Health Education, 2017); Oracle InForm (2013); HIPAA (2011)

HONORS AND AWARDS

Carol Schutz Registration Award, Gerontological Society of America Emerging Scholar and Professional Organization 2021
Person in Training Award, Gerontological Society of America, Health Sciences section 2021
Travel Scholarship, Society for Epidemiologic Research 2020
Dean’s List, Brandeis University 2010 – 2013

COMMUNITY SERVICE

Humane Animal Rescue of Pittsburgh Sept. 2021- Present
 Repair the World Community Garden of Pittsburgh June 202 - Present
 Johns Hopkins School of Public Health MPH Student Mentor Sept. 2016 - Present
 Brandeis University Interview Coach Jan. 2014 - Present

PROFESSIONAL MEMBERSHIPS

Gerontological Society of America Aug. 2021 - Present
 Society for Epidemiologic Research Apr. 2018 - Present

PUBLICATIONS IN PROGRESS

Perceived Energy, Fatigue, and Physical Function in Older Adults (2022). **Rebecca Ehrenkrantz**, Xiaonan Zhu, James Hengenius, Nancy W. Glynn, Caterina Rosano
Cortico-Striatal Functional Connectivity Reflects Changes in Subjective Energy and Tiredness (2022). Jim Hengenius, **Rebecca Ehrenkrantz**, Caterina Rosano, Tedd Huppert (2022)

PUBLICATIONS

- Declining Energy Predicts Incident Mobility Disability and Mortality Risk in Healthy Older Adults (2021). Briana N. Sprague, Xiaonan Zhu, **Rebecca Ehrenkrantz**, Qu Tian, Theresa A. Gmelin, Nancy W. Glynn, Andrea L. Rosso, Caterina Rosano. *Journal of the American Geriatrics Society*, 69 (11): 3134 - 3141.
- Mild Parkinsonian Signs, Energy Decline, and Striatal Volume in Community-Dwelling Older Adults (2021). **Rebecca Ehrenkrantz**, Qu Tian, Andrea Rosso, Xiaonan Zhu, Caterina Rosano. *The Journals of Gerontology: Series A*
- Changes in Self-Reported Energy Levels in Prodromal Parkinson's Disease (2021). Lana Chahine, Xiaonan Zhu, **Rebecca Ehrenkrantz**, Honglei Chen, Nancy Glynn, Caterina Rosano. *Movement Disorders*, 36 (5):1276-1277
- Functional Correlates of Self-Reported Energy Levels in the Health, Aging, and Body Composition Study (2021). **Rebecca Ehrenkrantz**, Andrea L. Rosso, Briana N. Sprague, Qu Tian, Theresa Gmelin, Nicolaas Bohnen, Eleanor M. Simonsick, Nancy W. Glynn, Caterina Rosano. *Journal of Aging Clinical and Experimental Research*
- Perception of Energy and Objective Measures of Physical Activity in Older Adults (2020). Qu Tian, Nancy W. Glynn, **Rebecca Ehrenkrantz**, Briana N. Sprague, Andrea L. Rosso, Caterina Rosano. *Journal of the American Geriatrics Society*, 68 (8): 1876 - 1878
- Geographic Disparities in Cancer Screening and Fatalism Among a Nationally-Representative Sample of U.S Adults (2019). Jennifer Moss, **Rebecca Ehrenkrantz**, Lilian Constanza, Brionna Hair, Anne Julian. *Journal of Epidemiology and Community Health*, 73: 1128 - 1135
- Quality Assessment of Tumor Size Data Collection for Breast & Pancreatic Cancer (2018). **Rebecca Ehrenkrantz**, Clara Lam, David Dilts, Steven Cheng, Amy Solis, Valentina Petkov, Serban Negoita. *Journal of Registry Management*, 45 (4), 161 - 166
- Gait Characteristics of Age-Related Macular Degeneration Patients (2017). Varshini Varadaraj, Aleksandra Mihailovitch, **Rebecca Ehrenkrantz**, Stephen Lesche, Pradeep Ramulu, Bonnielin Swenor. *Translational Vision Science & Technology*. 6(4), 14
- Global, Regional, & National Burden of Cardiovascular Disease for 10 Causes 1990 to 2015 (2017). Gregory Roth...**Rebecca Ehrenkrantz**...Christopher JL Murray. *Journal of the American College of Cardiology*, 70 (1): 1- 25 [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Tuberculosis Collaborators (2018). The global burden of tuberculosis: results from the Global Burden of Disease Study 2015. Hmwe H. Kyu...**Rebecca Ehrenkrantz**...Christopher JL Murray. *The Lancet Infectious Diseases*. 2018; 18(3):261-284. [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Healthcare Access & Quality Collaborators (2017). Healthcare Access & Quality Index based on mortality from causes amenable to personal healthcare in 195 countries & territories, 1990 – 2015: a novel analysis from the Global Burden of Disease Study 2015. Ryan Barber...**Rebecca Ehrenkrantz**...Christopher JL Murray. *The Lancet*, 390 (10091), 231-266. [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Eastern Mediterranean Region Mental Health Collaborators (2017). The burden of mental disorders in the Eastern Mediterranean Region, 1990–2015: Findings from the Global Burden of Disease 2015 study. Ali Mokdad, Raghid Charara...**Rebecca Ehrenkrantz**...Christopher JL Murray. *International Journal of Public Health*, 63 (Suppl. 1): 25 – 37 [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Eastern Mediterranean Region Maternal Mortality Collaborators (2017). Maternal mortality & morbidity burden in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 study. Ali Modad, Ibrahim Khalil...**Rebecca Ehrenkrantz**...Christopher JL Murray. *International Journal of Public Health*, 63 (Suppl. 1): 47- 61 [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Eastern Mediterranean Region Neonatal, Infant, and Under – 5 Collaborators (2017). Neonatal, infant, & under-5 mortality & morbidity burden in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 study. Ali Mokdad, Ibrahim Khalil...**Rebecca Ehrenkrantz**...Christopher JL Murray. *International Journal of Public Health*, 63 (Suppl. 1): 63 - 77 [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Eastern Mediterranean Region Lower Respiratory Infections Collaborators (2017). Burden of lower respiratory infections in the Eastern Mediterranean Region between 1990 and 2015: Findings from the Global Burden of Disease 2015 study. Ali Modad, Maziar Moradi-Lakeh...**Rebecca Ehrenkrantz**...Christopher JL Murray. *International Journal of Public Health*, 63 (Suppl. 1): 97 - 108. [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]
- GBD 2015 Eastern Mediterranean Region Transportation Injury Collaborators (2017). Transport injuries & deaths in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 study. Ali Mokdad, Ibrahim Khalil...**Rebecca Ehrenkrantz**...Christopher JL Murray. *International Journal of Public Health*, 63 (Suppl. 1): 187 - 198 [Please refer to Notes/Supplementary Appendix for complete author/collaborator list]