

Rebecca Hazan, MPH

Current Position

Senior Associate
Health Scientist I

Discipline Areas

- > Epidemiology
- > Biostatistics
- > Health Outcomes Research

Years' Experience

2

Joined Cardno

2017

Education

- > MPH, Epidemiology, University of Michigan School of Public Health, 2016
- > BS, Neuroscience, University of Michigan, 2014

Summary of Experience

Rebecca Hazan is a Senior Associate Health Scientist with Cardno ChemRisk in the Brooklyn office. She is a member of the Epidemiology Practice Area within Cardno ChemRisk and has earned a title as a Subject Matter Resource in Epidemiology. She has contributed significantly to project work involving human health risk assessments of asbestos, man-made vitreous fibers, cosmetic talc, and e-cigarettes.

Rebecca graduated from the University of Michigan with a Bachelor of Science degree in Neuroscience in 2014. She graduated from the University of Michigan School of Public Health with a Master of Public Health degree in Epidemiology and a Graduate Certificate in Health Informatics in 2016. Her primary areas of training were in epidemiology methods and applications, health outcomes research, and data analysis. She has extensive research experience that ranges from conducting clinical research studies firsthand to analyzing large and nationwide datasets. Her research in graduate school assessed risk factors that affect health outcomes of stroke and asthma patients. While interning at Cardno ChemRisk in 2015, Rebecca contributed to research that reviewed the state of the science of anthophyllite asbestos. Rebecca has demonstrated project management skills and has gained valuable insight working with regulatory agencies through her previous experience in pharmaceutical consulting prior to returning to Cardno ChemRisk full-time in 2017.

Significant Projects

Epidemiology & Biostatistics

Conducted epidemiological research requiring data collection, management, analysis, and presentation of results through publications and reports.

Conducted literature reviews, meta-analyses, and ecological analyses to evaluate the association of exposures including asbestos, man-made vitreous fibers, and cosmetic talc, with outcomes including mesothelioma, lung cancer, ovarian cancer, colorectal cancer, and other malignant and non-malignant health endpoints.

Performed systematic literature reviews of epidemiological literature to evaluate, synthesize, and report on the state of the science of e-cigarette initiation, use, cardiovascular and respiratory health effects, and the association with cigarette cessation.

Litigation Support

Reviewed and interpreted epidemiologic literature and regulatory policies evaluating occupational and non-occupational exposures to asbestos, talc, and glycol ethers.

Critically reviewed and interpreted literature regarding alternative risk factors for disease, including genetic predispositions, comorbidities, and ecological trends.

Assisted with preparation of expert reports and presentations for use in a litigation setting.

Previous Research Experience

> Epidemiology

Columbia University Neurological Institute of New York – New York, NY

University of Michigan Center for Managing Chronic Disease – Ann Arbor, MI

Applied epidemiology and advanced statistical methods to assess outcomes and interventions of chronic disease, including cardiovascular disease, stroke, and childhood asthma, in various clinical and demographic populations.

> Clinical Research

University of Michigan Department of Neurology – Ann Arbor, MI

Collaborated and coordinated with multi-disciplinary team for a comprehensive study design, implementation, and analysis to assess techniques for conducting a medical diagnostic test.

- > International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 2014-2016, Member

Membership and
Service to
Professional
Societies

Publications

Peer-Reviewed Published Papers

- > Kummer BR, Hazan R, Merkler AE, Kamel H, Willey JZ, Middlesworth W, Yaghi S, Marshall RS, Elkind MS, Boehme AK. 2019. A Multilevel Analysis for Surgical Category and Individual Patient-Level Risk Factors for Postoperative Stroke. *The Neurohospitalist*.
- > Gaffney SH, Grespin M, Garnick L, Drechsel DA, Hazan R, Paustenbach DJ, Simmons BD. 2016. Anthophyllite asbestos: state of the science review. *Journal of Applied Toxicology*. 37/38-49
- > Janevic MR, Baptist AP, Bryant-Stephens T, Lara M, Persky V, Ramos-Valencia G, Uyeda K, Hazan R, Garrity A, Malveaux FJ. 2016. Effects of pediatric asthma care coordination in underserved communities on parent perceptions of care and asthma-management confidence. *Asthma*.
- > Yaghi S, Boehme AK, Hazan R, Hod EA, Canaan A, Andrews HF, Elkind MS. 2016. Atrial Cardiopathy and Cryptogenic Stroke: A Cross-sectional Pilot Study. *Journal of Stroke and Cerebrovascular Diseases*. 25(1)/110-114
- > London ZN, Hazan R, Burke JF, Callaghan BC. 2014. Altering Electromyography Studies: Importance of the Electromyographer's Perception of Patient Pain. *Archives of Physical Medicine and Rehabilitation*. 95(1)/39-42
- > London ZN, Burke JF, Hazan R, Hastings MM, Callaghan BC. 2014. Electromyography-related pain: muscle selection is the key modifiable study characteristic. *Muscle & Nerve*. 49/570-574

Presentations

Presentations

- > Hazan R, Boehme AK, Miller E, Yaghi S, Rostanski S, Willey J, Marshall R, Elkind M. Abstract WP170: Infections Present on Admission and Stroke in the Young. Stroke, 47(Suppl 1), pp.AWP170-AWP170. April 2016.
- > Kummer BR, Hazan R, Kamel H, Merkler AE, Willey JZ, Middlesworth W, Yaghi S, Elkind MS, Boehme AK. Abstract TP177: Preoperative Functional Status and Type of Surgery Influences Postoperative Stroke Risk: analysis from the Nationwide Surgical Quality Initiative Program. Stroke, 47(Suppl 1), pp.ATP177-ATP177. April 2016.
- > Kummer BR, Hazan R, Kamel H, Merkler AE, Willey JZ, Middlesworth W, Yaghi S, Elkind MS, Boehme AK. Abstract WP200: Post-operative Infection Does not Increase Risk of Post-operative Stroke: Analysis From a Nationwide Quality Initiative Program. Stroke, 47(Suppl 1), pp.AWP200-AWP200. April 2016.
- > Boehme AK, Hazan R, Miller E, Yaghi S, Rostanski S, Willey J, Marshall R, Elkind M. Infections Present on Admission and Stroke in the Young (I2. 004). Neurology, 86(16 Supplement), I2-004. April 2016.
- > Magid-Bernstein J, Boehme A, Matthews E, Hazan R, Rodriguez A, Falo C, Park S, Claassen J, Elkind M, Agarwal S. The Effect of Pre-Arrest and Hospital-Acquired Infection on Post-Cardiac Arrest Outcome (P3. 212). Neurology, 86(16 Supplement), pp.P3-212. April 2016.