

ELLYN RUSSO

MS

Senior Data Science Consultant

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Current Responsibility

Ellyn Russo is a senior data science consultant in the Hartford office of Milliman. She joined the firm in 2020.

Professional Work Experience

Ellyn is a seasoned senior data scientist, bringing a wealth of experience and expertise to the field of healthcare analytics. With a decade of dedicated experience before joining Milliman, Ellyn has honed her skills in consolidating, analyzing, and presenting healthcare data for various purposes, such as regulatory reporting, quality improvement initiatives, and research endeavors. Her commitment to delivering high-quality work is evident in her ability to design and synthesize comprehensive analyses that effectively measure healthcare delivery and health outcomes across diverse health states and interventions.

At Milliman, Ellyn plays a crucial role in navigating disparate data sources to extract actionable insights. Her current focus involves unraveling complex datasets to better understand and inform actions and decisions regarding disparities within the U.S. healthcare landscape. Leveraging the extensive data access and understanding available within Milliman, she excels in coordinating data-driven insights with practical, real-world applications. Her contributions not only reflect her proficiency in data science but also underscore Ellyn's passion for identifying partnerships that drive positive change in healthcare.

Education

- MS, Clinical and Health Services Research; Dartmouth College
- BS, Major: Biology, Minor: Spanish; Bucknell University

Presentations and Publications

- Marlow Z, Lewis E, Nagarkar K, Russo EM. Integrating social determinants of health and claims data to predict a diagnosis of depression using the Medicare Current Beneficiary Survey. ICPE 2023. Halifax, NS, Canada.
- Rubin D, Russo EM. Psychiatric prescription drug utilization and related overdoses among commercially insured individuals in the United States, 2020. ICPE 2023. Halifax, NS, Canada.
- Russo EM, Wix D, Rubin D, Bradford G, Miranda G. Healthcare utilization among Medicare Fee-for-service beneficiaries in 2019 by historically redlined status of place of residence. ISPOR 2023. Boston, MA.
- Wix D, Russo EM. Healthcare utilization, allowed costs, and member cost share in 2019 among a large research population of commercially insured members with rare or chronic diseases. NORD Rare Diseases and Orphan Products Breakthrough Summit 2021. Virtual.
- van Aalst R, Russo EM, Neupane N, Mahmud SM, Wilschut J, Samson SI, Chit A, Postma M, Young-Xu Y. Comparing the impact of high-dose versus standard dose influenza vaccines on hospitalization cost for cardiovascular and respiratory diseases: Economic assessment in the US Veteran population during 5 respiratory seasons using an instrumental variable method. *Vaccine* 2021;39(Suppl 1):A51-5.
- Stevens VW, Russo EM, Young-Xu Y, Leecaster M, Zhang Y, Zhang C, Yu H, Cai B, Gonzalez E, Gerding DN, Lawrence J, Samore M. Identification of patients at risk of *Clostridioides difficile* infection for enrollment in vaccine clinical trials. *Vaccine* 2021;39(3):536-44.