

ROCHELLE SUN

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191 Park Drive
Boston, MA 02215

EDUCATION

2015- 2019 **University of Rochester**

BA, Political Science and Health Policy (highest distinction, *magna cum laude*)

GPA: 3.98

ACADEMIC EXPERIENCE

2018- 2019 **Politics and Markets Project**

Research Assistant

As a Research Assistant for the Politics and Markets Project, I supported research and public programming under Professor David Primo. Research topics included the impact of corporate political spending on firm performance and campaign finance regulation.

2017- 2018 **Undergraduate Program in Public Health**

Teaching Assistant

As a Teaching Assistant for the Undergraduate Program in Public Health, I contributed to course curriculum development, led office hours for students, and developed criteria for grading writing assignments and exams. I also provided a lecture on the political dimensions of global poliovirus eradication initiatives.

PROFESSIONAL EXPERIENCE

2019 - Present **Analysis Group, Inc.**

Senior Analyst

Analyst (2019 - 2020)

As a senior analyst in the health economics and outcomes research practice, I have designed and built multiple cost-effectiveness analysis models using Excel/VBA to compare expected costs, health outcomes, and quality of life across multiple health interventions in disease areas including obesity and hematologic malignancies. Other casework examples include Bayesian network meta-analyses using R programs to synthesize comparative evidence for disease therapeutics and physician chart reviews to inform evaluations of treatment patterns, real-world effectiveness, and burden of illness.

Outside of my casework, I serve as a pro bono coordinator for the firm and coordinate research support between 50+ pro bono project teams and non-profit partner organizations. Additionally, I contribute to firmwide trainings for R statistical computing and Python programming as a training mentor and coordinator.

- 2018 **Monroe County Crime Analysis Center (MCAC)**
Research Intern
- As a research intern for MCAC, I developed R programs to analyze geographic variations in patterns of opioid overdose across the Greater Rochester Area to support local law enforcement efforts to control the opioid epidemic.
- 2018 **Center for Strategic and International Studies (CSIS)**
Research Intern
- As a research intern for CSIS, I led the effort to analyze the impact of political unrest in Nicaragua and Venezuela on health security and provided research support for a project on building global health capacity through poliovirus eradication.
- 2018 **European Parliament**
Legislative Intern
- As a legislative intern for Member of the European Parliament (MEP) Sirpa Pietikäinen of Finland, I researched policy proposals pertinent to the committees of the MEP, including the ENVI Committee on the Environment, Public Health and Food Safety and ECON Committee on Economic and Monetary Affairs.

COMMUNITY INVOLVEMENT

- 2020 - Present **Alliance for International Medical Action (ALIMA)**
Associate Board Member
- As a member of ALIMA USA's Associate Board, I support the Board of Directors and broader organizational functions through public outreach and research support in furtherance of the organization's goals to provide emergency medical care and clinical research in areas of conflict and instability.
- 2020 - Present **Les Centres GHESKIO**
Pro Bono Consultant
- As a pro bono consultant for GHESKIO, I provide research support for clinical trials and observational studies including over 16,000 patients, primarily focused on the provision of high-quality and cost-effective HIV and TB treatment and care in Haiti.
- 2019 - Present **Prison Book Program**
Volunteer
- As a volunteer for the Prison Book Program, I support educational and vocational development for incarcerated persons throughout the US by organizing book drives, selecting books for prisoners, and mailing packaged book bundles.

ACADEMIC PUBLICATIONS AND CONFERENCE PRESENTATIONS

Conaghan, P; Cohen, S; Burmester, G; Mysler, E; Nash, P; Tanaka, Y; Rigby, W; Patel, J; Shaw, T; Betts, KA; Patel, P; Liu, J; **Sun, R**; Fleischmann, R. Benefit-Risk Analysis of Upadacitinib compared with Adalimumab in the Treatment of Patients with Moderate-to-Severe Rheumatoid Arthritis. *Rheumatology and Therapy*. Accepted ahead of print.

Pierre, S; Bocharova, I; Nguyen, C; Homeus, F; Julmiste, G; Macius, Y; Rouzier, V; Severe, P; Deschamps, MM; Guiteau, C; Bellot, C; Wu, J; Rivera, V; **Sun, R**; Pape, JW; Liautaud, BL, Koenig, SP. Superior Outcomes with Continuing Tenofovir versus Switching to Zidovudine in Second-Line Antiretroviral Therapy in Haiti. *Open Forum Infectious Diseases*. Accepted ahead of print.

Driessen, MT; Patterson-Lomba, O; Mu, F; Thompson, S; Seminerio, M; Carr, K; **Sun, R**; Totev, T; Yim, E; Ayyagari, R; Cohen, JM. Real-world reductions in migraine and headache days after initiating fremanezumab for us patients with migraine and prior use of another monoclonal antibody targeting the CGRP pathway. Poster presented at 63rd Annual Scientific Meeting of the American Headache Society (AHS). June 3-6, 2021; Virtual.

Cohen, JM; Thompson, SF; **Sun, R**; Driessen, M; Seminerio M; Carr, K; Mu, F. Fremanezumab treatment results in real-world reductions in monthly migraine and headache days in patients having different numbers of prior migraine preventive treatment failures in this us study. Poster presented at Academy of Managed Care Pharmacy (AMCP) 2021. April 12-16, 2021; Virtual National Meeting.

ONGOING RESEARCH

Cost-effectiveness analysis of semaglutide 2.4 mg for the treatment of adult patients with overweight and obesity in the United States. Under review at *Journal of Managed Care & Specialty Pharmacy (JMCP)*

Community Distribution Of Art During Civil Unrest and Covid-19 In Haiti. *Manuscript in progress.*

Real-world effectiveness after initiating fremanezumab treatment in us patients with episodic and chronic migraine or difficult-to-treat migraine. *Manuscript in progress.*

SELECTED HONORS AND AWARDS

2019 Helen S. Jones Award, University of Rochester Department of Political Science

2019 Phi Beta Kappa, University of Rochester

SKILLS, LANGUAGES, INTERESTS

Research Skills: Data analysis (*R, Excel, Python, Stata, SAS*), Programming (*Python, VBA, HTML, CSS*)

Languages: Chinese - Mandarin (*Intermediate*), French (*Beginner*)

Interests: Houseplants, experimental cooking, coffee brewing methods, dance (lyrical, hip hop, jazz)