Joseph Chase
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Education

University of Wisconsin - Milwaukee
Ph.D. in Biomedical and Health Informatics (Estimated: 2025)
Master of Public Health (MPH) in Biostatistics 2017
Capstone: Opioid use as a function of geographic factors within the National Survey on Drug Use and Health (NSDUH)
University of Wisconsin - Madison
Bachelor of Science (BS) 2014

Positions and Experience

Advocate Aurora Health
Senior Research Biostatistician **August 2023 to Current**
- Advocate Aurora Research Institute
- Statistical analysis and support for institutional research

Astellas
Senior Data Science Manager **Nov 2022 to July 2023**
- Methodological evaluation
- Analysis of large claims datasets

United States Department of Veterans Affairs
Research Scientist **Jun 2022 to Current**
- C-DACS, Million Veterans program
- Million Veterans Project (MVP)
- Genhub / Genomic Information System for Integrative Science (GENISIS)

UWM --- Zilber School of Public Health
Graduate Research Assistant **Aug 2018 to Jun 2022**
- Simulating data
- Predictive modeling and evaluation
- Causal inference

MCW-UWM Bioinformatics Fellow **Sep 2016 to Jan 2017**
- Processing genomic data, AWS

Bioinformatics Analyst **Jan 2016 August 2017**
- Pipeline work (Linux/Bash), fastQC, STAR, ht-count)

Gainsystems --- Sep 2021 to Jun 2022
Data Science Research Fellow
- Preprocessing of customer data
- Simulation of inventory data

Amgen --- Jan 2020 to Dec 2020
Graduate Student Coop - Patient Support Services Analytics
- Analysis and modeling of claims, EHR, and business data (databricks, GitLab)
- Claims data with approximately 100 million records, EHR data with 70 million records

AbbVie
Engineer (III) **Aug 2018 to Jan 2019**
RCM Support Engineer / Project Manager / Research Analyst **Jun 2017 to Aug 2018**
Data Science Intern (Operations) **Jun 2016 to Aug 2016**
- Operations development program
- Remote data science projects with manufacturing data (FMEA, RCM)
- Statistical analysis for reliability-centered manufacturing, spare parts inventory management (SAP)

- Quality systems optimization, designed scripts for metric reporting, managed various metrics
- Modeling pharmacy data to aid business practices

The University of Wisconsin - School of Medicine and Public Health
Research Analyst (Dept. of Family Medicine) **Aug 2013 to May 2014, Aug 2015 Dec 2015**
- Statistical analysis and figures for publication, Remote data analysis for a large RCT
Research Specialist (Dept. of Family Medicine) **May 2014 to Aug 2015**
- Latent class analysis, regression modeling for descriptive analysis
- Coordinating a clinical trial
Research Assistant (Center for Tobacco Research and Intervention) **Aug 2012 to Aug 2013**
- A small clinical trial, interim data analysis
Research Assistant (Dept. of Genetics) **Aug 2011 to Aug 2012**
- Laboratory work and some sequence analysis
Research Assistant (Wisconsin Geological & Natural History Survey) **Aug 2010 to Aug 2011**
- Processing soil samples from ground well drilling
Research Assistant (Dept. of Family Medicine) **Feb 2010 to Aug 2010**
- Helping with survey responses and processing

Certifications
American Statistical Association - GStat (Graduate Statistician)
UW-Madison - Environmental Studies, SIBS (Biostatistics Training)
Rockefeller University - Advanced Gene Mapping

Skills
Predictive modeling, descriptive modeling, inference, sampling, experimental design, forecasting, machine learning
Languages: R, Python, Java, SQL, Linux/Bash, C/C++

Publications
Maxwell, L., Barrett, B., **Chase, J.**, Brown, R., Ewers, T. Self-Reported Mental Health Predicts Acute Respiratory Infection. Wisconsin Medical Journal. June 2015.
Kiefer, D., **Chase, J.**, Love, G., Barrett, B. The Overlap of Dietary Supplement and Pharmaceutical Use in the MIDUS National Study. Evidence-Based Complementary and Alternative Medicine. Volume April (2014), Article ID 823853
Barrett, Bruce, D. Muller, S. Hayer, T. Ewers, **J. Chase**, and R. Brown. "Feeling loved, a novel self-report health measure: convergent and discriminant validity." European Health Psychologist 18, no. S (2016): 1043.
Presentations, poster
Poster: **Chase, J.**, Schemmel, A., Barlow, S., Barrett, B., Temte, J. Comparison of Nasal Wash and Nasal Wash and Mid Turbinate Swabs for Multiplex-PCR Respiratory Virus Detection. Council of State and Territorial Epidemiologists, Boston, MA, June 2015

Fellowships, Honors, Awards
Academic Excellence Scholar   Sep. 2009 - Spring 2013
Brady Service Co Scholarship   Sep. 2009
CGSA Medical Informatics Scholarship Sep. 2018 - Sep. 2019

Professional organizations
American Statistical Association (ASA)