

Bailey Wellen Osweiler

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Education

Washington University McKelvey School of Engineering - St. Louis, MO *2023 - Present*

- Ph.D. in Computational and Data Sciences

Carthage College - Kenosha, WI *2017 - 2021*

- B.A. Data Science
- B.A. Computer Science
- Minors in Mathematics and Spanish
- Summa Cum Laude

Research Experience

Washington University School of Medicine, Kannampallil Lab – St. Louis, MO *2024 - Present*

Research Assistant - Electronic Health Record Audit Log Analysis

Washington University Brown School, Marotta Lab – St. Louis, MO *2023 - Present*

Research Assistant - Opioid Use Disorder Policy Evaluation

Washington University Brown School, Ramsey Lab – St. Louis, MO *2024 - 2025*

Research Assistant - Refinement & Evaluation of Therapeutic Digital Technologies

Carthage College Senior Capstone – Kenosha, WI *2020 - 2021*

Independent Researcher

Correlation One – Remote *2020*
Data Science Fellow

Carthage College Psychology Lab – Kenosha, WI *2018*
Saccadic Eye Movement Researcher

Professional Experience

Deloitte – Chicago, IL
Brand & Reputation Risk Consultant *2023*
Cyber Risk Analyst *2021 – 2023*

AbbVie – North Chicago, IL
Data Management Contractor *2019 – 2021*
Data Management Experiential Intern *2019*

Carthage College – Kenosha, WI

Mentor Tutor

2020 – 2021

Computer Science Tutor

2018 – 2020

Publications

Oswelier BW, Rammaha T, Szlyk HS, et al. Co-designing a mobile application to reduce self-stigma for people with opioid use disorder during pregnancy and the postpartum period. *Front Psychiatry*. 2025;16. doi:10.3389/fpsyt.2025.1607652 August 2025

Oswelier, BW, Hutson, WD, Marotta, PL. Insurance-related Risk Factors for Leaving Against Medical Advice after Opioid Overdose: A Cross-sectional Study Using Electronic Health Records. *Journal of Addiction Medicine*, June 23, 2025. | DOI: 10.1097/ADM.0000000000001521 June 2025

Oswelier, BW, Lew, D., Lv, N., Ma, J., Kannampallil, T. (2025) Depression and weight loss trajectories during an integrated behavioral intervention: within-treatment analysis of the RAINBOW trial [Accepted; In Press] TBD

Marotta, PL, **Oswelier BW**, Humphries D, *et al.* (2025) Attitudes toward harm reduction and buprenorphine prescribing among rural primary care providers in the U.S Midwest and South [under review] TBD

Presentations

Oswelier, B, Rammaha, T, Szlyk, H, Dell, N, Macon, J, Jacobson, N, Burley, C, Goodman, M, Cavazos, P, Ramsey, A, “Engage, Entrust, Enhearten: The Iterative Co-Design and Test of a Digital Ecological Momentary Intervention to Reduce Perinatal Self-Stigma Involving Opioid Use Disorder” [Poster Session], College of Problems on Drug Dependence, New Orleans, LA June 2025

Oswelier B, Baratta L, Eiden E, Kannampallil T, Lou S, Lew D, “Identifying trajectories of clinician engagement with the EHR among inpatient hospitalizations”, [Oral Presentation] American Medical Informatics Association - Clinical Informatics Conference, Anaheim, CA May 2025

Oswelier B, Baratta L, Eiden E, Kannampallil T, Lou S, Lew D, “Trajectories of clinician EHR time during inpatient hospitalization” [Poster Session], I2DB Symposium, St. Louis, MO February 2025

Lynch Z, Humphries D, Rashid M, Akinloye B, Orogade A, Narayanan N, Baied M, **Oswelier B, Wang K, Heimer R, Marotta P,** "Strategies for increasing acceptability of harm reduction practices in rural Missouri" [Oral Presentation], American Public Health Association, Minneapolis, MN October 2024

Oswelier B, Hutson W, Marotta P, “Insurance risk factors for leaving against medical advice after opioid overdose: a retrospective cohort study using electronic health records” [Poster Session], Addiction Health Services Research Conference, San Francisco, CA October 2024

Oswelier B, Hutson W, Marotta P, “Patients hospitalized for repeat opioid overdoses: an exploratory analysis of demographics and barriers to treatment” [Poster Session], Institute of Clinical and Translational Science Big Data Research Symposium, St. Louis, MO *September 2024*

Oswelier B, Baied M, Narayanan N, Lynch Z, Backes K, Wang K, Humphries D, Heimer R, Marotta P, “Primary Care Buprenorphine Provision in the U.S. South and Midwest: Prescribing Changes Post-Data Waiver Elimination” [Poster Session], College of Problems on Drug Dependence, Montreal, Canada *June 2024*

Oswelier B, McBride T, “State Treatment Center Counts as a Market Response to Substance Use Prevalence: Investigating Differences by Profit Status”, [Poster Session], STL DataFest, St. Louis, MO *May 2024*

Funding and Honors

NIDA T32 Transdisciplinary Training in Addiction Research Grant *2023 - Present*

CPDD NIDA Women & Sex/Gender Junior Investigator Travel Award *June 2025*

Featured on the Carthage College [Data Science Alumni Spotlight](#) *2022*

Distinguished Senior in Data Science - recognized for contribution to data science program and outstanding academic performance *2021*

Math-Science Student Ambassador for Data Science & Computer Science Department *2020 - 2021*

Smeds Executive Scholarship - granted for displayed leadership and ambition through internships *2020 - 2021*

Carl Wilbur Nelson Scholarship - awarded for viola ensemble performances *2020 - 2021*

Presidential Scholarship - awarded for academic merit *2017 - 2021*

Professional Memberships

American Medical Informatics Association *2024 - Present*
Student Member

American Society of Addiction Medicine *2024 - Present*
Student Member

College of Problems on Drug Dependence *2023 - Present*
Member-in-Training

Community and Academic Service

BMJ Mental Health *2025 - Present*
Peer Reviewer

AMIA Clinical Informatics Conference - Anaheim, CA Conference Student Volunteer	2025
Haymarket Center – Chicago, IL Associate Board Member	2022 - 2023
Kenosha Literacy Council – Kenosha, WI Volunteer Tutor	2020 - 2021
Carthage College Data Science Club – Kenosha, WI Founder and President	2019 - 2020
<u>Tutoring and Teaching Assistant Experience</u>	
Signals, Data, and Equity	2024, 2026 (planned)
Introduction to Computing, Carthage College	2020, 2021
Principles of Computer Science I, Carthage College	2018, 2020
Principles of Computer Science II, Carthage College	2021
<u>Professional Certifications</u>	
GCP Professional Cloud Architect	2023
GCP Associate Cloud Engineer	2021
AWS Certified Cloud Practitioner	2021
Microsoft Office Specialist – Excel	2021
Tableau Desktop Specialist	2020