

Wyatt P. Bensken, B.S.

Curriculum Vitae

Contact Information

Full Name: Wyatt Peter Bensken
E-Mail: wbensken@gmail.com
Web: wyattbensken.com
GitHub: github.com/WYATTBENSKEN

Education

Graduate 8/2018 – Present
Doctor of Philosophy in Epidemiology and Biostatistics
Department of Population and Quantitative Health Sciences
School of Medicine, Case Western Reserve University, Cleveland, OH, USA
Dissertation: “Disparities in Comorbidity Profiles and Outcomes in People with Epilepsy”
Committee: Siran Koroukian, PhD (Advisor); Scott Williams, PhD (Chair); Martha Sajatovic, MD; Kurt Stange MD, PhD

Undergraduate 8/2013 – 5/2016
Bachelor of Science in Public Health, *Cum Laude*, 3-Year Public Health Scholars Program
College of Arts and Sciences, American University, Washington DC, USA
9/2014 – 12/2014
School of Public Health, University of Nairobi, Nairobi, Kenya

Recent Research Experience

Research Analyst 7/2019 – Present
Population Cancer Analytics Shared Resource, Case Comprehensive Cancer Center
Population Health and Outcomes Research Core, Clinical & Translational Science Collaborative
School of Medicine, Case Western Reserve University
Cleveland, OH, USA

Research Collaborator 7/2018 – 7/2019
Research Fellow – Intramural Research Training Award 5/2016 – 7/2018
Office of the Clinical Director
National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH)
Bethesda, Maryland, USA

Research Support & Grants

Active
1F31MD015681 (Bensken) 6/1/2021 – 5/31/2023
NIH / National Institute on Minority Health and Health Disparities \$78,818
Evaluating and Quantifying the Magnitude and Multilevel Causes of Health Disparities in Understudied Minority People with Epilepsy
Role: Principal Investigator

R Packages Developed

multimorbidity: Harmonizing Various Comorbidity, Multimorbidity, and Frailty Measures
CRAN: cran.r-project.org/web/packages/multimorbidity/

Publications

DOI and PMC are hyperlinked

Under Review or Revision

- [1] **Bensken WP**, Andrew AS, Jobst BC, Sajatovic M, Koroukian SM. Epilepsy Health Services Research: Comparing Claims Data with Electronic Health Records.
- [2] Ho VP, **Bensken WP**, Santry HP, Towe CW, Warner DF, Connors AF, Koroukian SM. Health Status, Frailty, and Multimorbidity in Patients with Emergency General Surgery Conditions.
- [3] Ho VP, **Bensken WP**, Warner DF, Claridge JA, Santry HP, Robenstine J, Towe CW, Koroukian SM. Long-Term Survival After Emergency General Surgery is Affected by Baseline Functional Status and Multimorbidity.

- [4] Diamond A, **Bensken WP**, Dong W, Markt SC, Koroukian SM, Caimi P. Three-Fold Risk of Atrial Fibrillation and Bleeding in Ibrutinib Treated CLL Patients: A linked SEER-Medicare Database Analysis.
- [5] Markt SC, Booker BD, **Bensken WP**, Schiltz NK, Schumacher FR, Rose J, Cooper G, Koroukian SM. Sociodemographic and clinical factors associated with receipt of biomarker testing in patients with metastatic colorectal cancer.
- [6] Villarin SJ, Flippin JA, **Bensken WP**, Curfman E, Towe CW, Claridge JA, Ho VP. What if You Need More Than One? More Emergency General Surgery Procedures are Associated with Mortality.

Accepted and In Press

- [1] **Bensken WP**, Ciesielski TH, Williams SM, Stange KC, Sajatovic M, Koroukian SM. Inconsistent Medicaid Coverage is Associated with Negative Health Events for People with Epilepsy. *Journal of Health Care for the Poor and Underserved*.
- [2] **Bensken WP**, Vaca G, Jobst BC, Williams SM, Stange KC, Sajatovic M, Koroukian SM. The Burden of Chronic and Acute Conditions and Symptoms in People with Epilepsy. *Neurology*.
- [3] **Bensken WP**, Alberti PM, Stange KC, Sajatovic M, Koroukian SM. Health-Related Social Needs, Identified via ICD-10 Z-Codes, and Increased Health Care Utilization. *American Journal of Preventive Medicine*.
- [4] Dong W, **Bensken WP**, Kim U, Rose J, Berger NA, Koroukian SM. Phenotype Discovery and Geographic Disparities of Late-Stage Breast Cancer Diagnosis across U.S. Counties: A Machine Learning Approach. *Cancer Epidemiology, Biomarkers, and Prevention*.

Peer-Reviewed Journal Publications

2021

- [1] **Bensken WP**, Krieger NI, Berg KA, Einstadter D, Dalton JE, Perzynski AT. Health Status and Chronic Disease Burden of the Homeless Population: An Analysis of Two Decades of Multi-Institutional Electronic Medical Records. *Journal of Health Care for the Poor and Underserved*. 2021;32(3):1619-1634.
DOI: [10.1353/hpu.2021.0153](https://doi.org/10.1353/hpu.2021.0153) - [PMC8477616](https://pubmed.ncbi.nlm.nih.gov/3477616/)
- [2] **Bensken WP**, Dong W, Gullett H, Etz RS, Stange KC. Changing Reasons for Visiting Primary Care Over a 35-Year Period. *The Journal of the American Board of Family Medicine*. 2021; 34(2):442-448
DOI: [10.3122/jabfm.2021.02.200145](https://doi.org/10.3122/jabfm.2021.02.200145)
- [3] **Bensken WP**, Navale SM, Andrew AS, Jobst BC, Sajatovic M, Koroukian SM. Markers of Quality Care for Newly Diagnosed People with Epilepsy on Medicaid. *Medical Care*. 2021; 59(7):588-896
DOI: [10.1097/MLR.0000000000001541](https://doi.org/10.1097/MLR.0000000000001541) - [PMC8187271](https://pubmed.ncbi.nlm.nih.gov/348187271/)
- [4] **Bensken WP**, Alberti PM, Koroukian SM. Health Related Social Needs and Increased Readmission Rates: Findings from the Nationwide Readmissions Database. *Journal of General Internal Medicine*. 2021; 36(5): 1173-1180
DOI: [10.1007/s11606-021-06646-3](https://doi.org/10.1007/s11606-021-06646-3) - [PMC8131460](https://pubmed.ncbi.nlm.nih.gov/348131460/)
- [5] Ho VP, **Bensken WP**, Koroukian SM. Palliative Care and Aggressive Interventions After Failing: A Nationwide Inpatient Sample Analysis. *Palliative & Supportive Care*. 2021.
DOI: [10.1017/S1478951521000158](https://doi.org/10.1017/S1478951521000158)
- [6] **Bensken WP**. How Do We Define Homelessness in Large Health Care Data? Variation in Composition and Comorbidities. *Health Services Outcomes and Research Methodology*. 2021; 21(1): 145-166
DOI: [10.1007/s10742-020-00225-5](https://doi.org/10.1007/s10742-020-00225-5)

2020

- [7] **Bensken WP**, Navale SM, Andrew AS, Jobst BC, Sajatovic M, Koroukian SM. Delays and Disparities in Diagnosis for Adults with Epilepsy: Findings from U.S. Medicaid Data. *Epilepsy Research*. 2020; 166: 106406
DOI: [10.1016/j.eplepsyres.2020.106406](https://doi.org/10.1016/j.eplepsyres.2020.106406) - [PMC7998893](https://pubmed.ncbi.nlm.nih.gov/327998893/)
- [8] Kim U, **Bensken WP**, Rose J, Koroukian SM. State Voting Patterns in the 2016 Presidential Election and Uninsured Rates in Non-elderly Adults. *J Gen Intern Med*. 2020; 35(9): 2794-2797
DOI: [10.1007/s11606-020-05986-w](https://doi.org/10.1007/s11606-020-05986-w) - [PMC7340755](https://pubmed.ncbi.nlm.nih.gov/327340755/)

2019

- [9] **Bensken WP**, Nath A, Heiss JD, Khan OI. Future Directions of Training Physician-Scientists: Reimagining and Remeasuring the Workforce. *Acad Med*. 2019; 94(5): 659-663
DOI: [10.1097/ACM.0000000000002581](https://doi.org/10.1097/ACM.0000000000002581) - [PMC6483871](https://pubmed.ncbi.nlm.nih.gov/326483871/)

2018

- [10] **Bensken WP**, Hansen AK, Norato G, Heiss JD, Nath A, Khan OI. Physician-scientists in neurology: Research contributions of a cohort of neurologists. *Neurology*. 2018; 91(11): 508-514
DOI: [10.1212/01.wnl.0000544243.58941.11](https://doi.org/10.1212/01.wnl.0000544243.58941.11) - [PMC6140374](https://pubmed.ncbi.nlm.nih.gov/306140374/)

Invited Journal Publications

2021

- [1] **Bensken WP**, Pieracci FM, Ho VP. Basic Introduction to Statistics in Medicine, Part 1: Describing Data. *Surg Infect (Larchmt)*. 2021; 22(6): 590-596.
DOI: [10.1089/sur.2020.429](https://doi.org/10.1089/sur.2020.429)
- [2] **Bensken WP**, Ho VP, Pieracci FM. Basic Introduction to Statistics in Medicine, Part 2: Comparing Data *Surg Infect (Larchmt)*. 2021; 22(6): 597-603.
DOI: [10.1089/sur.2020.430](https://doi.org/10.1089/sur.2020.430)

Oral Presentations | Poster Presentations

Oral Presentations

2021

- [1] **Bensken WP**, Vaca G, Jobst BC, Williams SM, Stange KC, Sajatovic M, Koroukian SM. The Burden of Chronic and Acute Conditions and Symptoms in People with Epilepsy. *Epidemiology Special Interest Group, American Epilepsy Society Annual Meeting*
- [2] **Bensken WP**, Kosla M “Social Determinants of Health in Large Healthcare Data: A Burgeoning Opportunity for Population Health and Health Services Research”. *National Association of Health Data Organizations Annual Conference (NAHDO), Pre-Conference Symposium*
- [3] **Bensken WP**†, Reidhead M, Alberti PM, Maddox KJ, Koroukian SM “The Role of ICD-10 Z-Codes in Documenting and Addressing Health-Related Social Needs”. *Health Care Systems Research Network Annual Conference*.
†Panel Organizer and Presenter

2020

- [4] **Bensken WP** “How Do We Identify Homelessness in Large Health Care Data? Measuring Variation in Composition and Comorbidities by Definition”. *13th International Conference on Health Policy Statistics*, San Diego, California.
- [5] **Bensken WP**, Alberti PM, Koroukian SM “The Use of Clinically Documented Social Determinants of Health (SDOH) and Their Association with Poor Health Outcomes: Findings from ICD-10 Z-Codes in the Nationwide Readmission Database (NRD)”. *Academy Health Annual Research Meeting (ARM)*

2016

- [6] **Bensken WP**, Lathrop S, Lichtenstein M, Hawkins M, Wong D, Altamore R, Bedard B, Brown C, Buttke C, Cullen K, Davis C, Garza E, Labus B, Richards S, Roberson C, Sotir M. “Standardized Travel History Data Collection Across Eight Notifiable Diseases: Results from a Multi-Jurisdictional Pilot”. *Council of State and Territorial Epidemiologists 2016 Annual Conference*, Anchorage, Alaska. *This presentation won a travel award*

Poster Presentations

2021

- [1] **Bensken WP**, Vaca G, Jobst BC, Williams SM, Stange KC, Sajatovic M, Koroukian SM. The Burden of Chronic and Acute Conditions and Symptoms in People with Epilepsy. *American Epilepsy Society Annual Meeting*
- [2] **Bensken WP**, Alberti PM, Stange KC, Sajatovic M, Koroukian SM “Health-Related Social Needs Increase Negative Health Events and Charges: Findings Using ICD-10 Z-Codes”. *Academy Health Annual Research Meeting*
- [3] **Bensken WP**, Ciesielski TH, Williams SM, Stange KC, Sajatovic M, Koroukian SM “Gaps in Medicaid Coverage and Their Impact on Healthcare Utilization for People with Epilepsy”. *Academy Health Annual Research Meeting*
- [4] **Bensken WP**, Alberti PM, Markt SM, Stange KC, Koroukian SM. “Health-Related Social Needs Among Ohio’s Older Cancer Patients.” *Case Comprehensive Cancer Center Cancer Disparities Symposium*

2020

- [5] **Bensken WP**, Navale SN, Andrew AS, Jobst BC, Sajatovic M, Koroukian SM. “Real-World Data on Patterns of Care and Outcomes in People with Incident Epilepsy.” *American Epilepsy Society Annual Meeting*

2019

- [6] **Bensken WP**, Krieger NI, Berg KA, Einstadter D, Dalton JE, Perzynski AT. “Health Status and Chronic Disease Burden of the Homeless Population: An Analysis of Two Decades of Electronic Medical Records.” *Interdisciplinary Association of Population Health Science Annual Meeting*, Seattle, Washington
- [7] **Bensken WP**, Etz RS, Miller WL, Gullett H, Stange KC. “Changing Reasons for Visit to Primary Care Over a 35-Year Period.” *North American Primary Care Research Group Annual Conference*, Toronto, Ontario, Canada
- [8] **Bensken WP**, Navale SN, Sajatovic M, Koroukian SM. “How Long Does It Take for Individuals with Epilepsy to Get Diagnosed: Findings from Medicaid Claims Data.” *American Epilepsy Society Annual Meeting*, Baltimore, Maryland

2018

- [9] **Bensken WP**, Norato G, Khan OI. "Hospital Resource Utilization in Epilepsy: Disparities in Rural vs Urban Care." *American Epilepsy Society Annual Meeting*, New Orleans, Louisiana
- [10] **Bensken WP**, Hansen AK, Norato G, Heiss JD, Nath A, Khan OI. "The Research Enterprise: Understanding Neurologist's Contributions to Science and the Pathway to Becoming a Successful Physician-Scientist." *American Neurological Association 143rd Annual Meeting*, Atlanta, GA *This poster won a travel award and a poster award*
- [11] **Bensken WP**, Hansen AK, Norato G, Heiss JD, Nath A, Khan OI. "Analysis of Early Post-Training Research Activity: The Effect of the Critical Years on Later Success of Physician-Scientists." *American Academy of Neurology Annual Meeting and National Institutes of Health Postbac Poster Day*, Bethesda, Maryland

2015

- [12] **Bensken WP**, Bennett A, Edmier A, Hayes M, Moravec S, Veera S, Villegas A, Njoroge P. "Assessment of the Health Status of the Seme Community, Kisumu County, Western Kenya". *American University Mathias Student Research Conference*, Washington, DC

Other Posters & Presentations

A = Analyst; C = Collaborator

2021

- [1] Villarín SJ, Flippin JA, **Bensken WPC**, Curfman E, Towe CW, Claridge JA, Ho VP. "Cumulative Mortality Risk of Emergency General Surgery". *American Association for the Surgery of Trauma*
- [2] Villarín SJ, Flippin JA, **Bensken WPC**, Curfman E, Towe CW, Claridge JA, Ho VP. "Which Combinations of EGS Procedures Increases the Risk of Mortality?". *Surgical Infections Society*
- [3] Dong W, **Bensken WPC**, Kim U, Koroukian SM. "Risk Factors and Geographic Variations of Late-Stage Breast Cancer Diagnosis across U.S. Counties: A Machine Learning Approach". *American Association of Geographers*
- [4] Ho VP, **Bensken WPA**, Claridge JA, Santry HP, Warner DF, Koroukian SM. "Functional Independence Critical to Long-Term Survival after Admission for Emergency General Surgery". *AcademyHealth*.

2020

- [5] Diamond A, **Bensken WPA**, Dong W, Markt SC, Koroukian SM, Caimi P. "Three-Fold Risk of Atrial Fibrillation in Ibrutinib Treated CLL Patients without Increase Risk of Stroke: A SEER-Medicare Database Analysis". *American Society of Hematology*
- [6] Ho VP, **Bensken WPA**, Santry HP, Claridge JA, Koroukian SM. "Aggressive Care Before Death in the Elderly Who Fall: An Opportunity for Early Palliative Care". *American Association for the Surgery of Trauma*
- [7] Ho VP, **Bensken WPA**, Santry HP, Warner DS, Koroukian, SM. "Multimorbidity in Patients Admitted for Emergency General Surgery Conditions." Oral Presentation, *American Geriatrics Society*
- [8] Zolin SJ, **Bensken WPA**, Santry HP, Warner DS, Koroukian, SM, Ho, VP. "Impact of Preoperative Function on Discharge after Emergency General Surgery." Oral Presentation, *15th Annual Academic Surgical Congress*

Invited Talks | Seminar Presentations

Invited Talks

2021

- [1] University Hospitals Neurology Grand Rounds: "Gaps in Medicaid Coverage, Comorbidities, and Social Connectedness Among People with Epilepsy" (October 8, 2021)
- [2] The MetroHealth System Department of Obstetrics & Gynecology: "Basics Statistics Review" (October 6, 2021)

2020

- [3] The MetroHealth System Population Health Research Institute (PHRI) Seminar Series: "Health-Related Social Needs and Increased Hospital Readmission" (November 6, 2020)
- [4] University Hospitals Neurology Grand Rounds: "Health Services Research in the Context of Epilepsy Care, Outcomes, & Disparities" (Co-Presentation with Dr. Siran Koroukian, May 29, 2020)

Seminar Presentations

Case Western Reserve University, Department of Population and Quantitative Health Sciences

- [1] "Markers of Quality Care for Newly Diagnosed People with Epilepsy on Medicaid" (2020)
- [2] "Health-Related Social Needs and Increased Readmissions: Our Findings from the Nationwide Readmissions Database" (*Special Seminar Presentation*, 2020)

[3] “How Long Does It Take for People with Epilepsy to Get Diagnosed? Findings from Medicaid Claims Data” (2019)

Awards & Honors

2020

PhD Student Leadership Award, School of Medicine, Case Western Reserve University 11/2020
Society for Epidemiologic Research (SER): Student Dissertation Workshop Awardee 6/2020
One of 12 to receive funding to travel to the SER Annual Meeting to participate in the student dissertation workshop
Graduate Student Representative to the American Association for the Advancement of Science Catalyzing Advocacy for Science and Engineering Workshop 4/2020
Selected by the School of Graduate Studies as the graduate student to attend from Case Western Reserve University

2019

North American Primary Care Research Group (NAPCRG) Annual Conference Trainee Stipend & Rising Star Research Training Program, 11/2019
Graduate Student Travel Award, Case Western Reserve University 10/2019

2018

American Neurological Association 143rd Annual Meeting, Poster Presentation Award 10/2018
American Neurological Association 143rd Annual Meeting, Abstract Travel Award 10/2018
National Institutes of Health, Outstanding Poster, 2018 Postbac Poster Day 5/2018

2016

Council of State and Territorial Epidemiologists, Annual Conference Full Sponsorship Award, 6/2016
American University, Department of Health Studies, Josephine G. Gimble Scholarship 4/2016

2015

American University, Mathias Student Research Conference, Best Poster in the Social Sciences by a Junior or Senior 3/2015

Teaching | Guest Lectures

Teaching

Department of Population and Quantitative Health Sciences (PQHS), Case Western Reserve University
MPHP 301: Introduction to Epidemiology
Course Activity Facilitator 2019, 2020
PQHS 431: Introduction to Statistical Methods 1
Teaching Assistant 2020
Course Preparation Assistant 2021
Co-Lead Teaching Assistant 2021
PQHS 500: Design and Analysis of Observational Studies
Teaching Assistant 2020
PQHS 515: Secondary Analysis of Large Health Care Databases
Teaching Assistant 2019, 2020, 2021

Guest Lectures

Department of Population and Quantitative Health Sciences (PQHS), Case Western Reserve University
MPHP 301: Introduction to Epidemiology
“Social Determinants of Health, Health-Related Social Needs, and Increased Hospital Admissions” 2020
PQHS440: Introduction to Population Health:
“Conceptual Models in Population Health Services Disparities Research” 2019
“Equity and Epilepsy Conceptual Model” 2020

University Service, Committees, and Leadership Positions

Case Western Reserve University, Cleveland, Ohio

Department of Population and Quantitative Health Sciences
Recruitment Volunteer Coordinator 2019, 2020, 2021

Student Representative	2019, 2021
Intersections (Undergraduate Research Symposium), Judge	2020
SOURCE Undergraduate Summer Research Funding, Application Reviewer	2020
Biomedical Graduate Student Symposium, Advertising Committee Chair	2019
John S. Diekhoff Award for Graduate Teaching and Mentoring, Committee Member	2019

Professional Service and Organizations

Ad Hoc Journal Reviewer (Number of Review's Completed)

Alzheimer's & Dementia (2)
American Journal of Public Health (1)
BMC Public Health (1)
Cancer (1)
Journal of Health Care for the Poor and Underserved (3)
Journal of General Internal Medicine (3)
Neurology (15)
Neurology: Clinical Practice (1)
Neurology: Neuroimmunology & Neuroinflammation (1)
Medical Care (7)
Scientific Reports (1)
Social Psychiatry and Psychiatric Epidemiology (1)
The American Statistician (1)

Other Reviews (Year)

American College of Epidemiology Annual Meeting Abstracts (2020)
 Chapman & Hall/CRC Press Book Review (2020)

National Academy of Medicine, Washington, DC

Invited Reviewer, DC Public Health Case Challenge 2019

Professional Organizations

American Academy of Neurology (AAN)
 American College of Epidemiology (ACE) – Associate Member
 Council of State and Territorial Epidemiologists (CSTE)
 Interdisciplinary Association for Population Health Science (IAPHHS)
 Secretary, Graduate Student Committee 2020, 2021
 Society for Epidemiologic Research (SER)

Previous Research Experience

Epidemiology Intern 1/2015 – 5/2016

Office of Public Health
 United States National Park Service
 Washington, DC, USA

Lead Case Writer – DC Public Health Case Challenge 2017, 2018

Case Writer – DC Public Health Case Challenge 2016

National Academy of Medicine (formerly Institute of Medicine)
 Washington, DC, USA

Undergraduate Research Assistant 9/2015 – 5/2016

Department of Biology
 American University
 Washington, DC, USA

Public Health Intern 9/2014 – 12/2014

Makina Community Development Project (MACODEP)
 Makina, Kibera, Nairobi, Kenya

Undergraduate Research Assistant
Neurocognitive Kinesiology Laboratory
University of Illinois at Urbana-Champaign
Champaign, IL, USA

8/2015 – 1/2016

Civil Rights Fellow
National Coalition for the Homeless
Washington, DC, USA

8/2013 – 5/2014