

Sarah Minion

EDUCATION

- Expected 2023 **Doctor of Medicine**
University of Iowa Carver College of Medicine, Iowa City, IA
- Expected 2023 **Doctor of Philosophy, Epidemiology**
University of Pittsburgh, Graduate School of Public Health, Pittsburgh, PA
- 2014 **Master of Science, Epidemiology**
University of Iowa College of Public Health, Iowa City, IA
- 2012 **Bachelor of Science, Integrative Physiology**
Minor, French
The University of Iowa, Iowa City, IA

PROFESSIONAL EXPERIENCE

- 2020 **Summer Research Fellow**
Dr. Sangil Lee, MD; University of Iowa Hospitals & Clinics, Iowa City, IA
- Cleaned and analyzed data for project on delirium recognition in the Emergency Department
 - Wrote and submitted published journal article
- 2018 – 2019 **Data Analyst**
Dr. Max Crowley, PhD; Pennsylvania State University, State College PA
- Analyzed PSU health insurance data for potential intervention and cost management
 - Modeled intervention trial data for a young adult risky behavior alteration trial
- 2016 – 2019 **Research Assistant**
Dr. Thomas McGill, MD; Butler County Hospital & Health Systems, Butler, PA
- Cleaned and managed Pennsylvania Birth Record Data
 - Analyzed geospatial differences in birth outcomes in Butler County, PA using ArcGIS software
- 2016 – 2018 **Graduate Student Researcher**
Dr. Lisa Bodnar, PhD, MPH, RD; The University of Pittsburgh, Pittsburgh, PA
- Managed and analyzed birth record data for project on gestational weight gain in twin pregnancies
 - Aided analyses and manuscript production
- 2016 **Research Assistant**
Dr. Elsa Strotmeyer, PhD, MPH; Center of Population Aging and Health, Pittsburgh, PA
- Researched and developed statistical analysis plans for Medicare claims data
 - Aided abstract creation from analyses
- 2015 **Research Assistant**
Dr. Supriya Kumar, PhD, MPH; The University of Pittsburgh, Pittsburgh, PA
- Analyzed SPARCS data from New York City
 - Generated time-series models of healthcare utilization for chronic conditions around Hurricane Sandy using Stata and R
- 2012 – 2014 **Graduate Research Assistant**
Dr. Ryan Carnahan, PharmD, MS; HERCe, The University of Iowa, Iowa City, IA
- Disseminated educational support information for physicians working with dementia patients
 - Managed data for multiple studies on nursing home antipsychotic use
 - Analyzed data and manuscript production

- 2014 **Masters Preceptorship Final Project**
Dr. Loreen Herwaldt, MD; University of Iowa Hospitals and Clinics, Iowa City, IA
- Analyzed healthcare worker hand hygiene compliance data from the Star*ICU hand hygiene study
- 2013 – 2014 **Data Collection for JCPH Food Systems Assessment**
Johnson County Public Health, Iowa City, IA
- Performed data collection and presented areas of focus for improvement for the Johnson County Public Health's Food Systems Assessment and Linn County Public Health's Food Systems Assessment
- 2013 **Visiting Nurse Services (VNS) Internship**
Upper Midwest Public Health Training Center and VNS, Des Moines, IA
- Provided care coordination for families in need of support services, such as financial, emotional, counseling, and more
- 2010 – 2012 **Research Assistant**
Anne Leserman, MSW; Huntington's Disease Center of Excellence, Iowa City, IA
- Scheduled and managed bimonthly neuro-psychiatric testing for study participants

HONORS & AWARDS

- 2020 **Robert Robinson Research Award in Psychiatry**
Carver College of Medicine, Iowa City, IA
- 2019 **2nd Place Doctoral Student Research Award**
The University of Pittsburgh, Pittsburgh, PA
- 2017 **Owen's Fellowship Award Recipient**
The University of Pittsburgh, Pittsburgh, PA
- For students who show promise of high academic achievement
- 2014 **Delta Omega Honors Society**
The University of Iowa, Department of Epidemiology, Iowa City, IA
- Honors outstanding scholastic performance and confers distinction for high achievement by students

PUBLICATIONS

Published articles

Minion, S., Obr, B. J., Carnahan, R. M., & Lee, S. (2021). An educational module to improve knowledge of delirium screening in the Emergency Department. *The American Journal of Emergency Medicine*.

Bodnar, L. M., Himes, K. P., Abrams, B., Lash, T. L., Parisi, S. M., Eckhardt, C. L., Braxter, B.J., **Minion, S.** & Hutcheon, J. A. (2019). Gestational Weight Gain and Adverse Birth Outcomes in Twin Pregnancies. *Obstetrics & Gynecology*, 134(5), 1075-1086.

Carnahan, R. M., Daly, J. M., **Minion, S.**, Gryzlak, B., Weckmann, M. T., Levy, B. T., & Bay, C. P. (2019). A Needs Assessment of Family Physicians to Inform Development of Educational Resources on Antipsychotic Use in Dementia. *Journal of Primary Care & Community Health*, 10, 2150132719840113.

Articles in submission

Minion, S., Mendez, D., Krans, E., Brooks, M. & Haggerty, C. Driving distance to delivery hospitals and risk of adverse perinatal outcomes and maternal morbidity: an analysis of Pennsylvania birth records from 2011-2015.

Articles in progress

Minion, S., Mendez, D., McGill, T., & Haggerty, C. Targeting populations with low access to maternal and child healthcare to inform public health programs in Butler County, PA.

Minion, S., Mendez, D., Krans, E., Brooks, M. & Haggerty, C. A comparison of GIS-based measures on spatial accessibility to obstetricians and associations with adequate prenatal care utilization in Pennsylvania birth records from 2011-2015.

Minion, S., Mendez, D., Krans, E., Brooks, M. & Haggerty, C. Predictors of spatial accessibility to maternity care services and risk of adverse outcomes: a latent class analysis of Pennsylvania birth records from 2011-2015

PRESENTATIONS

- 2021 **Minion, S.,** Mendez, D., Krans, E., Brooks, M. & Haggerty, C. A comparison of GIS-based measures on spatial accessibility to obstetricians and associations with adequate prenatal care utilization in Pennsylvania birth records from 2011-2015. *Carver College of Medicine's Medical Student Research Conference*, Iowa City, IA 2021.
- 2021 **Minion, S.,** Mendez, D., Krans, E., Brooks, M. & Haggerty, C. Driving distance to delivery hospitals and risk of adverse perinatal outcomes and maternal morbidity: an analysis of Pennsylvania birth records from 2011-2015. *Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting*, Virtual Meeting 2021.
- 2021 **Minion, S.,** Obr, B., Carnahan, R., Lee, S. An educational module to improve knowledge of delirium screening in the Emergency Department. *SAEM21 Annual Meeting*, Virtual Meeting 2021.

POSTERS

- 2021 **Minion, S.,** Mendez, D., Krans, E., Brooks, M. & Haggerty, C. Driving distance to delivery hospitals and risk of adverse perinatal outcomes and maternal morbidity: an analysis of Pennsylvania birth records from 2011-2015. *The University of Pittsburgh Graduate School of Public Health's Dean's Day*, Pittsburgh, PA 2021.
- 2020 **Minion, S.,** Obr, B., Carnahan, R., Lee, S. Evaluation of an online continuing medical education module to improve provider knowledge of delirium screening in the Emergency Department. *Carver College of Medicine's Medical Student Research Conference*, Iowa City, IA 2020. [Robert Robertson Research Award in Psychiatry]
- 2019 **Minion, S.,** Mendez, D., McGill, T., & Haggerty, C. Geospatial analyses of Maternal, Infant, and Child Healthy People 2020 indicators in Butler County, PA. *The University of Pittsburgh Graduate School of Public Health's Dean's Day*, Pittsburgh, PA 2019. [2nd Place Doctoral Student Winner]
- 2016 Strotmeyer, E., Boudreau, R., **Minion, S.,** Cauley, J., Donohue, J., Harris, T., Newman, A., & Waters, T. Sensory nerve impairment is associated with higher total Medicare costs: Health ABC study. *The Gerontological Society of America*, New Orleans, LA, 2016.
- 2014 **Minion, S. &** Herwaldt, L. Observational study of healthcare worker hand hygiene compliance in Intensive Care Units. *UIHC Department of Epidemiology Winter Poster Presentation*, Iowa City, IA, 2014.

TEACHING EXPERIENCE

- 2016 **Teaching Assistant**, University of Pittsburgh, Department of Epidemiology, Pittsburgh, PA
- EPIDEM 2260: Epidemiological Basis of Disease Control
- 2016 **Teaching Assistant**, University of Pittsburgh, Department of Epidemiology, Pittsburgh, PA
- EPIDEM 2160: Epidemiology of Infectious Diseases

LEADERSHIP EXPERIENCE

- 2020 – 2020 **Co-President**, American Medical Women's Association, University of Iowa, Iowa City, IA
- 2019 – 2019 **M1 Representative**, Mechanisms of Health & Disease Liaison Committee, University of Iowa, Iowa City, IA
- 2016 – 2017 **Doctoral Representative**, Educational Policies and Curriculum Committee, University of Pittsburgh, Pittsburgh, PA

2015 – 2016

Alternative Doctoral Representative, Pitt Public Health Council, University of Pittsburgh,
Pittsburgh, PA

VOLUNTEER EXPERIENCE

2022 – present	Free Medical Clinic, Iowa City, IA
2019 – present	Free Mobile Clinic, Iowa City, IA
2020	Open Minds Open Doors Conference Grant Woods Elementary, Iowa City, IA
2019	Free Mental Health Clinic, Iowa City, IA
2016 – 2018	Hillman Cancer Center Volunteer, Pittsburgh, PA

JOURNAL SERVICE

2019 – present	Manuscript Reviewer, Journal of Primary Care and Community Health
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PROFESSIONAL AFFILIATIONS

2019 – present	American Medical Women's Association, University of Iowa
2020 – present	Society for Pediatric and Perinatal Epidemiology Research
2014 – 2018	Doctoral Student Organization, University of Pittsburgh
2012 – 2014	Epidemiology Student Association, University of Iowa