CASEY E. REED

EDUCATION

University of Kentucky, Lexington, KY
Master of Public Health   **Graduation Date:** December 2020
Concentration: Health Behavior
GPA: 3.86
Honors: Magna Cum Laude, Dean's List

University of Kentucky, Lexington, KY
Bachelor of Public Health   **Graduation Date:** May 2018
GPA: 3.7
Honors: Cum Laude, Dean's List

Public Health Technical Knowledge: Statistics and Quantitative Research Methods, Field Study and Qualitative Research Methods, Ethics within Healthcare Systems, Epidemiology, Evidence-Based Planning and Practice, and Psychology

PUBLIC HEALTH EXPERIENCE

KENTUCKY DEPARTMENT OF PUBLIC HEALTH, Division of Maternal and Child Health
Epidemiologist II   March 2023-present
Epidemiologist I   February 2021-March 2023

- Project Director for the Kentucky State Systems Development Initiative (SSDI) Grant.
- Epidemiologist for the Sudden Unexpected Infant Death (SUID) Grant.
  - Provides quality assurance of data collected and entered into the SUID case registry.
  - Analyzes and interprets epidemiologic data.
  - Presents findings during statewide SUID meetings.
- Epidemiologist for the following programs/grants: Health Access Nurturing Development Services (HANDS) program, the Child Fatality Review (CFR) group, the Child Fatality or Near-Fatality Review External Panel, the Early Childhood Education program, the First Steps program, the Public Health Transformation committee, the Child Safety Learning Collaborative, Maternal, Infant, and Early Childhood Home Visiting (MIECHV) Grant, and other maternal and child health programs.
- Plan and participate in epidemiological studies regarding maternal and child health.
- Design extraction coding and data usage for multi-site studies.
- Develop and implement data collection forms, strategies, and analysis guidelines.
- Perform thorough research and analysis on collected data using SAS, SPSS, and Excel.
- Serve as the Division's Redcap Administrator.
  - Review and approve requests and modifications of Redcap projects.
  - Provide technical support for all Division of Maternal and Child Health Redcap users.
  - Hold office hours for employees regarding questions and guidance related to Redcap.
  - Train new Redcap users on the system.

GRANTS

Health Resources and Services Administration (HRSA), "Kentucky State Systems Development Initiative", $500,000   August 2022-present
HRSA, "Maternal, Infant, and Early Childhood Home Visiting (MIECHV) Program"   July 2021-present

RESEARCH EXPERIENCE

UNIVERSITY OF KENTUCKY, College of Public Health, Lexington, KY   August-December 2019
Graduate Internship   August 2020-May 2021
    Collaborated with faculty on current research projects and tasks.
- Transcribed audio taped interviews
- Conducted a literature review over the CHA/CHIP public health accreditation process
- Implemented, evaluated, and suggested quality improvements to the existing database
- Created a new database to manage large volume of data collected during interviews, addressing issues identified in the original database
- Worked in interdepartmental work groups to further analyze the data
- Prepared technical reports on the findings for internal use
- Created visual aides to present the data

- Provided summary reports to faculty advisor

UNIVERSITY OF KENTUCKY hosted by Step-by-Step, Lexington KY   May 2019-May 2020
Internship
- Assisted in the coordination of an adolescent pregnancy research project for the non-profit organization, Step-by-Step
- Designed surveys and questionnaires to collect data related to adolescent pregnancy and associated health outcomes
- Built the database and statistical analysis reports within REDCap, used during the duration of the project
- Distributed the survey to all participants
- Entered participant data into REDCap database in a timely and accurate manner
- Verified the accuracy and validity of data entered in database
- Used statistical software to run various statistical analyses on collected data
- Participated in multiple work groups to further analyze the data and provide continuous quality improvement
- Prepared a presentation and other materials on the results from the project
- Presented data to program leadership, health professionals, faculty, and other key stakeholders
- Suggested improvements to the program and project based on the findings from this study

UNIVERSITY OF KENTUCKY, College of Public Health, Lexington, KY   January 2018-May 2018
Research Assistant
  Collaborated with professors on current research projects and tasks.
- Assisted with conducting a study designed to identify segments of Kentucky's population who have the greatest risk of acquiring diseases or adverse health conditions related to radon exposure
- Comprehension of samples collected during research, including soil, nail clippings, water, and hair
- Collected, assessed, and analyzed data
- Entered data into database in a timely and accurate manner
- Verified the accuracy and validity of data entered in database
- Used statistical software to manage the database
- Gathered data on mitigating radon exposure and other prevention methods during the evaluation of this study
- Interpreted and analyzed collected data with SPSS and identified trends
- Prepared presentation materials and technical reports for internal use
- Organized and structured complex data and results for faculty to present

COMPUTER SKILLS – Proficient in MS Word, Excel, PowerPoint, Access and Outlook. Proficient in SAS, SPSS and REDCap.
CERTIFICATIONS-Youth Mental Health First Aid Certification, CITI Human Subjects Research Certification, Kentucky Notary, CPR