



# Grace R. Hedge

## Epidemiologist

### CONTACT

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### LANGUAGES

- French
- German

### PROFESSIONAL SUMMARY

Dedicated and accomplished Epidemiologist with over 15 years of experience in researching, analyzing, and mitigating public health issues. Proficient in conducting epidemiological studies, developing disease prevention strategies, and implementing effective public health interventions.

### EXPERIENCE

#### Senior Epidemiologist

Birmingham Department of Public Health / United States, Birmingham, AL

2015 - Now

- Lead epidemiological investigations into infectious disease outbreaks, chronic disease prevalence, and environmental health hazards within the local community.
- Design and implement surveillance systems to monitor disease trends, identify emerging health threats, and inform public health policies.
- Collaborate with interdisciplinary teams to develop and evaluate intervention programs aimed at reducing disease burden and promoting health equity.

#### Epidemiologist

Centers for Disease Control and Prevention (CDC) / United States, Atlanta, GA

2008 - 2014

- Conducted research on the epidemiology of infectious diseases, including influenza, HIV/AIDS, and emerging pathogens.
- Analyzed large-scale datasets to assess disease risk factors, transmission dynamics, and the effectiveness of preventive measures.
- Contributed to the development of national guidelines for disease surveillance, outbreak response, and vaccination strategies.

#### Research Assistant

World Health Organization (WHO) / Switzerland, Geneva

2005 - 2008

- Assisted in the coordination of multinational research projects aimed at addressing global health challenges, such as infectious diseases and maternal-child health.
- Conducted literature reviews, data analysis, and report writing to support evidence-based policy recommendations.
- Collaborated with international partners and stakeholders to promote research collaboration and knowledge exchange.

### EDUCATION

## Doctor of Philosophy (Ph.D.) in Epidemiology

University of Alabama, United States, Birmingham

2004 - 2008

Dissertation: "The Impact of Socioeconomic Factors on Infectious Disease Outbreaks"

## Master of Public Health (MPH) in Epidemiology

Harvard T.H. Chan School of Public Health, United States, Cambridge, MA

2002 - 2004

Thesis: "Analysis of Long-Term Trends in Chronic Disease Incidence"

## Bachelor of Science (B.Sc.) in Biology

University of Alabama, United States, Tuscaloosa, AL

1996 - 2000

## SKILLS

Statistical analysis and data management (e.g., SAS, R, STATA)



Epidemiological study design and methodology



Disease surveillance and outbreak investigation



Health disparities research and community engagement



Program evaluation and intervention planning



Quantum computing



## PROFESSIONAL MEMBERSHIPS

- American College of Epidemiology (ACE)
- Society for Epidemiologic Research (SER)

## PUBLICATIONS

- Hedge, G. R., et al. (2022). "Socioeconomic Disparities in Access to Healthcare Services: Implications for Infectious Disease Control." *Journal of Epidemiology and Community Health*.
- Hedge, G. R., et al. (2019). "Trends in Chronic Disease Incidence: A Population-Based Study." *American Journal of Public Health*.