



## Disease Detectives

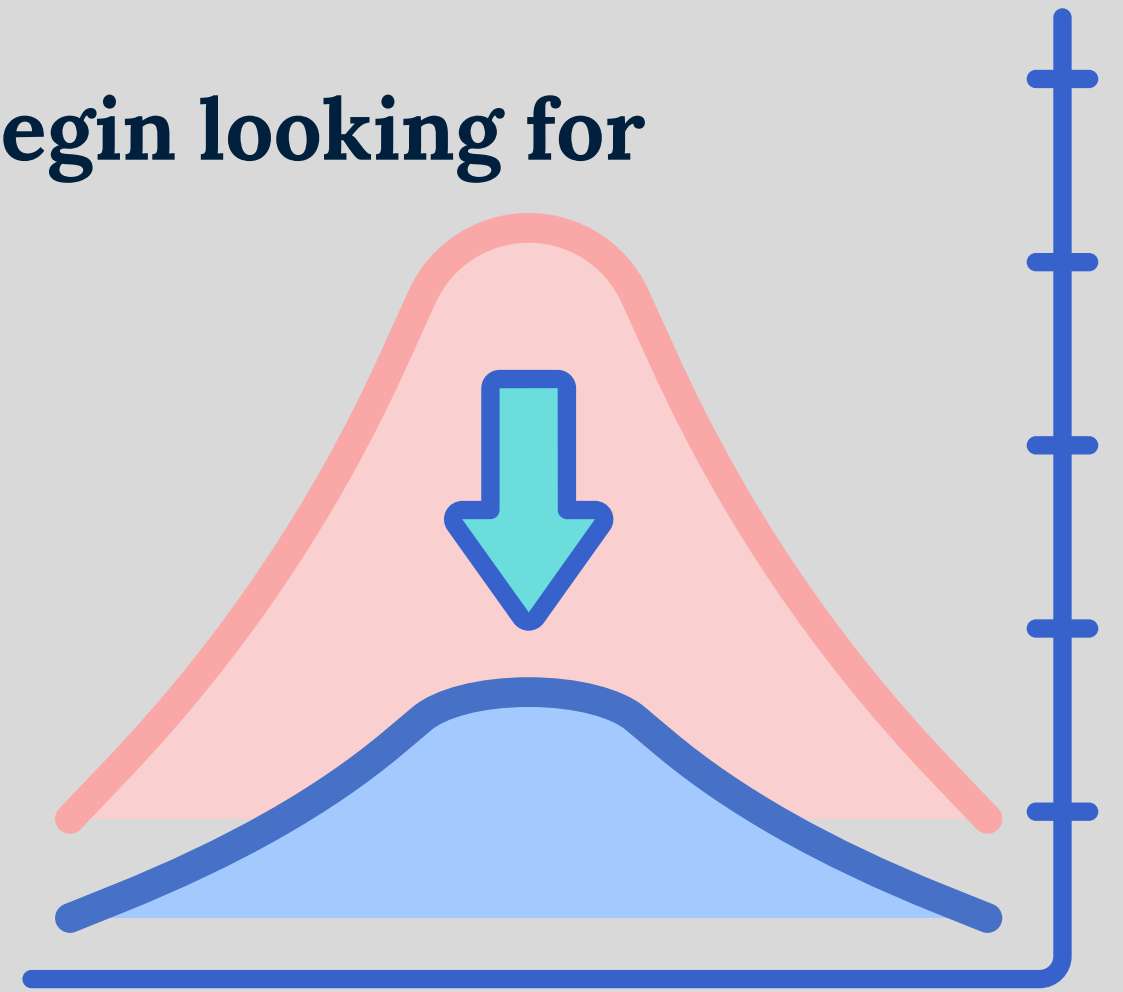
# Introduction to Epidemiology

Epidemiology is the method used to find the causes of diseases and health outcomes in populations.

## What do Epidemiologists do?

Like investigators at a crime scene, epidemiologists begin looking for clues. They collect information such as;<sup>1</sup>

- Who is sick and who isn't sick?
- What are their symptoms?
- When did they get sick?
- What kinds of things were they exposed to?
- Where could they have been exposed?



Epidemiologists study answers to these questions with statistics to determine what the actual risks are. They then use this information to make recommendations on ways to control the spread or prevent future occurrences.<sup>2</sup>

## Academic Pathway



- Epidemiologists can earn a bachelor's, master's, or doctoral degree
- Generally, a master's degree in public health (MPH) helps to make a career in epidemiology
- Many individuals with clinical degrees (e.g., medicine, veterinarian, dental) and an MPH go on to careers in public health

## Careers

- Epidemiologist at a local or state health department
- Epidemiologist at a hospital
- Veterinary Epidemiologist
- Teaching or research at a university
- Scientific research in private industry (e.g., pharmaceuticals)



# Additional Resources

Click on the items below to visit it's corresponding link.

## Kentucky Undergraduate Schools

- [Eastern Kentucky University Admissions](#)
- [University of Kentucky Undergraduate Admissions](#)
- [University of Louisville Undergraduate Admissions](#)
- [Western Kentucky University Admissions](#)

## Industry Websites

- [About Covid-19 Epidemiology - Center for Disease Control and Prevention](#)
- [Kentucky Department for Public Health's Division of Epidemiology and Health Planning](#)

Note: The schools listed are in partnership with C4FH. Public Health education opportunities may be available at other colleges and universities.