

## Target audience

The course is targeted at future and current epidemiologists

- who do or wish to work on infectious diseases within the public health service at local national or international level, or
- who do or wish to scientifically analyze or evaluate data generated through outbreak investigations and surveillance.

## Requirements for course participation

As a requisite participants of the module should

- be fluent in English
- be able to apply basic statistical methods and know the basic epidemiological study designs
- have (Bachelor or Master) educational knowledge of infectious diseases (such as general concepts of infection, immunity, antimicrobial resistance etc.)
- bring a laptop with following specifications (useful but not a prerequisite)
  - Excel and Word
  - any statistical software of personal preference
  - Independent UMTS Internet access or W-LAN with Eduroam access

## Learning objectives ...

### ... for outbreak investigation

Upon completion of the course participants should be able to be a productive member of an outbreak investigation team, by

- keeping all steps and aspects of an outbreak investigation in mind
- rapidly designing and implementing an epidemiologic study to determine the source of an outbreak
- organizing and analyzing data of an epidemiologic study to determine the source of an outbreak

### ... for surveillance

Upon completion of the course participants should be able to design and evaluate a surveillance system and to interpret and report data resulting from it, by

- defining the purpose of surveillance
- providing a concept for setting up a new surveillance system
- systematically evaluating a surveillance system following established standards
- proposing a reporting concept for a new or an existing surveillance system

## Course format

Lectures:	40%
Moderated case studies:	15%
Applied scenario:	30%
Group project:	15%

## Venue

Helmholtz Centre for Infection Research,  
Inhoffenstr. 7; 38124 Braunschweig  
(Forum)

## Course Fees (n.a. for HZI/RKI students)

Non-students: 200,00 €; Students: 100,00 €

## Credits/Certificates

2 ETCs; accreditation as CME certified training course at the Ärztekammer Niedersachsen is in progress

## Registration/Information

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