

# Introduction to Infectious Disease Epidemiology

**17 - 18  
October 2024**

Online via Zoom

Content of the 2-day online course:

- Introduction to infectious disease epidemiology
- Infectious disease surveillance in Germany

For more information please have a look at the agenda.

With the focus on epidemiological methods and surveillance the introductory course is aimed at doctoral and master`s students, but also at scientists and health professionals at DZIF, who already do or plan to evaluate data generated through surveillance or who already do or plan to work on infectious diseases within the public health service at local, national or international level or just want to get some insights or refresh their knowledge in infectious disease epidemiology.

We recommend to attend the webinar before participation in the upcoming hands-on workshop in November 2024.

Registration is still open.

Please register by 16 October, 2024 (12 noon) via [Epidemiology@HZI](mailto:Epidemiology@HZI):

[phd-epidemiology@helmholtz-hzi.de](mailto:phd-epidemiology@helmholtz-hzi.de)

Course language will be English.

Organised by:

DZIF Translational  
Infrastructure  
Bioresources, Biodata and  
Digital Health (TI BBD)

Contacts:  
[tibbd@dzif.de](mailto:tibbd@dzif.de)

Manuela Harries (HZI),  
Maria Volkmann (RKI)



## Thursday, 17 October, 2024

Arrival	8.45 – 9.00
Welcoming remarks	9.00-9.15
Keynote: Basics in Infectious Disease Epidemiology (Lilas Mercuriali, NLGA/ECDC)	9.15-10.00
Coffee Break	10.00-10.15
Session 1: Introduction to Epidemiology	
General Principles of Epidemiology (Madlen Schranz, RKI)	10.15-11.00
Study Designs (John Nyirenda, HZI)	11:00-11:45
Lunch Break	11.45-12.15
Session 2: Bias and Confounding	
Systematic and Random Error (Madlen Schranz, RKI)	12.15-12.45
Introduction to Confounding (Madlen Schranz, RKI)	12.45-13.30
Wrap up	13.30 – 13.45

## Friday, 18 October, 2024

Arrival	8.45 – 9.00
Welcoming remarks	9.00-9.15
Session 1: Introduction to Surveillance	
Infectious Disease Surveillance in Germany (Michaela Diercke, RKI)	9.15 -10.45
Coffee Break	10.45-11.00
Session 2: Surveillance ...	
... of Vector-borne Infections (Christina Frank, RKI)	11:00 - 11:45
... of Antibiotic Resistance and Consumption (Sebastian Haller, RKI)	11.45 – 12.30
Lunch Break	12.30 – 13.00
Session 3: Surveillance examples	
Epidemic Intelligence and Event-based surveillance (Nadine Zeitlmann, RKI)	13.00 – 13.45
Surveillance in Malawi (John Nyirenda, HZI)	13.45 -14.15
Wrap up & Evaluation	14.15-14.30

## Locations

Online via Zoom

## Registration

via [Epidemiology@HZI](mailto:Epidemiology@HZI):

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## Organisation

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