

2ND SYMPOSIUM

Artificial Intelligence in Public Health Research

14TH – 15TH MAY 2025 · BERLIN (GERMANY)

The Robert Koch Institute (RKI) is Germany's designated public health institute and plays a key role in the management of pandemics by advising the German government on public health issues.

RKI's new Centre for Artificial Intelligence in Public Health Research (RKI ZKI-PH) sustainably strengthens analytical capabilities across the institute's entire remit.

This symposium brings together key players from universities, research institutes and national public health bodies to discuss advances in applying AI methods to public health research.

Venue

Conference Center
German Federal Ministries
Mauerstraße 27
10117 Berlin (Germany)

Contact

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in Public Health
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AGENDA DAY 1

Wednesday - 14th May 2025

10:30 Registration & Refreshments

11:00 Welcome & Opening Remarks

Nina Warke | Federal Ministry of Health (BMG) (tbc)
Prof. Dr. Lars Schaade | Robert Koch Institute

11:20 Digital Health and its Impact on Public Health

Dr. Carina Vorisek | Berlin Institute of Health at Charité (BIH)

11:50 Coffee Break

12:10 AI-Supported Decision-Making in Public Health – Part I

- Enable the Use of Data to Support Decisions on Outbreaks, Epidemics or Pandemics | Dr. Julia Fitzner | WHO Pandemic Hub Berlin
- ZODIAC Respiratory Disease Phenotype Observatories | Prof. Dr. Georg Langs | Medical University of Vienna
- AI-Assisted Mpox Detection | Dr. Daniel Stern | RKI ZBS3
- Visualisation of Pandemic Situations | Marco Schäfer | RKI ZKI-PH 5

13:30 Lunch Break & Poster Session

14:30 AI-based Strategies to Overcome AMR Challenges

- Antimicrobial Resistance Surveillance Through Innovative ML/AI-Driven Data Visualization | Dr. Aleksandar Anžel | RKI ZKI-PH 5
- Data-Driven Antimicrobial Research | Prof. Dr. Folker Meyer | University of Duisburg-Essen
- Algorithmic and Human Decision-Making in Antibiotic Prescribing | Prof. Dr. Hannes Ullrich | DIW Berlin & University of Copenhagen

15:30 Coffee Break & Poster Session

15:50 Climate Change & Public Health

- Climate Impacts on Society and Health: Heat | Dr. Christopher Irrgang | RKI ZKI-PH 4
- Vector Spread: Example of Modelling Climate Driven Impact of Vector-Borne Diseases | Dr. Stephanie Margarete Thomas | University of Bayreuth
- Climate and Society-Driven Vaccination Strategies | Prof. Dr. Katy Gaythorpe | Imperial Collage London

16:50 Wrap-Up Day 1

17:00 Get-Together & Poster Session

18:30 End of Day 1

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AGENDA DAY 2

Thursday – 15th May 2025

8:30 Registration & Refreshments

9:00 Regulatory Framework for AI and ML in Public Health

- Governance of Emerging Technologies | Prof. Dr. Brent Mittelstadt | University of Oxford
- Navigating EU AI Rules for Stronger Public Health | Dr. Stefan Buttigieg | European Public Health Association
- EHDS and AI-Act as gamechangers for Public Health Research in Germany? | Nick Schneider | Federal Ministry of Health, Germany
- BRIDGE Study- "Bilateral Regulatory Investigation of Data Governance and Exchange" | Helen Hou | Massachusetts General Hospital / Harvard Medical School

10:20 Coffee Break

10:40 AI-Supported Decision-Making in Public Health – Part II

- Advances in Digital Pathology for Cancer Detection | Prof. Norman Zerbe | Charité
- Anonymize or synthesize? Privacy-preserving methods for heart failure score analytics | Dr. Karen Otte | Berlin Institute of Health (BIH), Charité
- Machine Learning & Mental Health | Prof. Toralf Kirsten | University of Leipzig Medical Center
- Social Listening in the Public Health Context | Silvan Wehrli | RKI ZKI-PH 4

12:00 Supporting Evidence-Informed Decisions in Health Policy and Practice

Dr. Dimitra Panteli | European Observatory on Health Systems and Policies

12:30 Outlook & Closing Remarks

12:40 Lunch & Poster Session

13:30 End of Symposium

Registration deadline:

5th May 2025

Programme as of May 2025