



REACT

„Response to **E**merging Infectious Diseases:
Assessment and **D**evelopment of **C**ore
Capacities and **T**ools“

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Background

- **Topics**
 - Surveillance of infectious diseases during mass gatherings
 - International contact tracing after exposure to infectious disease in public transport
 - Surveillance of outbreaks in health care workers
 - Reporting of IHR relevant events from local to national level



Outcomes

- **General aspects**
 - Strengthening cooperation and networking between European Public Health Institutions
 - Harmonization of response to public health threats
- **Specific aspects**
 - Promoting the integration of surveillance of infectious diseases at mass gatherings
 - Supporting implementation of IHR in a harmonized manner
 - Identification of research gaps regarding transmission of infectious diseases in public conveyances
 - Providing a scientific basis for necessity of contact tracing

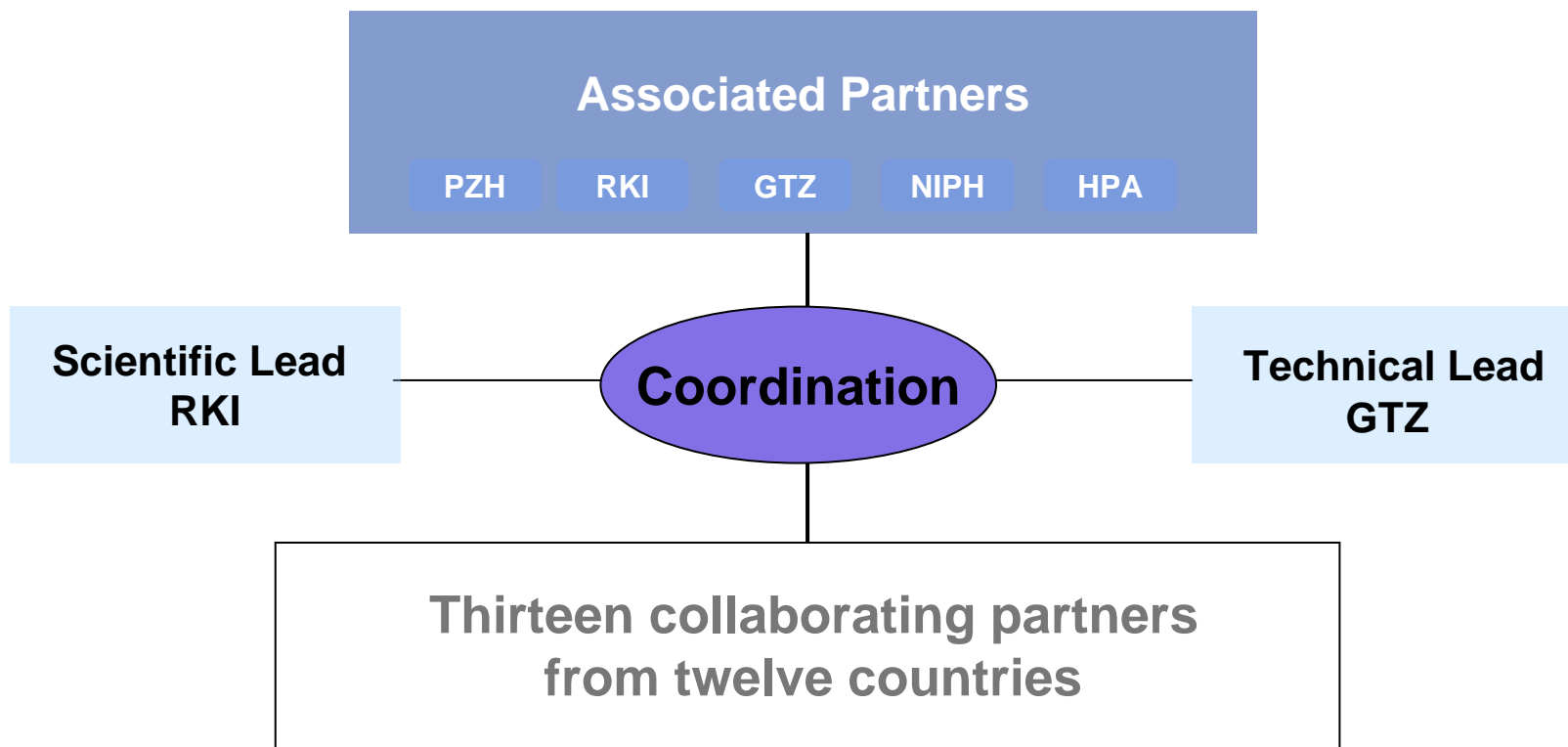


Associated Partners

- HPA (Health Protection Agency, UK)
- PZH (National Institute of Hygiene, Poland)
- NIHP (Norwegian Institute of Public Health, Norway)
- GTZ (Gesellschaft für Technische Zusammenarbeit, Germany)
 - Technical lead
- RKI (Robert Koch Institute, Germany)
 - Scientific lead



Management Structure





Core Work Packages - Deliverables

- **PZH: Develop a tool box of core capacities for enhanced surveillance during mass gathering**
 - Draft tool box of core capacities
 - Draft & develop a training module
- **HPA: Develop concepts of a surveillance system for infectious disease outbreaks in health care workers (HCW)**
 - Draft of framework model
 - Concepts to conduct surveillance of infectious disease outbreaks among HCW



Core Work Packages - Deliverables

- **NIHP: Develop a tool for reporting of events relevant for IHR from the local to the national level**
 - Draft a tool for implementation of IHR
- **RKI: Compile available evidence with respect to contact tracing particularly in public transport (no air travel)**
 - Checklist for criteria and assessment of necessity and extent of contact tracing
 - Definition of essential dataset for contact tracing



Work package experts

- Nomination of experts for each work package
- Two expert meetings per work package
- Role of experts
 - Technical and scientific input to the project
 - Networking



Methods „Work Package Mass Gathering“ I

- *Deliverable: Draft tool box of core capacities & develop a training module*
- Methods
 - **Literature review** focusing on evidence of transmission of infectious disease and used methods and tools to detect cases or outbreaks in epidemiological surveillance
 - **Epidemiological study** on previous mass gatherings in Poland
 - Development of a mass gathering **checklist base** (review of existing safety planning guidelines and checklists applied for preparation of mass gatherings)



Methods “Work Package Mass Gathering” II

- *Deliverable: Draft tool box of core capacities & develop a training module*
- Methods:
 - **Assessment of local staff, resources, and infrastructure** in the cities where UEFA EURO 2012 will take place (hospitals, transportation, community hygiene, supplies etc.)
 - **Assessment of preparation of personnel** appointed for enhanced surveillance at UEFA EURO 2012



Methods „Work Package Surveillance in HCW“ I

- *Deliverable: Draft of framework model and concepts to conduct surveillance of infectious disease outbreaks among HCW*
- Methods:
 - **Systematic literature review** on surveillance systems for infectious disease in healthcare workers (HCWs)
 - **Questionnaire based survey** of European public health agencies (to gather additional information on surveillance systems for HCWs)
 - Use of **Focus Group Discussions** to better understand how HCWs in Europe would interact with the framework model developed



Methods “Work Package Surveillance in HCW” II

- *Deliverable: Draft of framework model and concepts to conduct surveillance of infectious disease outbreaks among HCW*
- Methods:
 - Associate Partners will work with the experts to conduct **Focus Group discussions** with HCWs in some countries of the European Union
 - **Questionnaire survey** will be carried out with potential assistance from the ECDC
 - The draft **framework model** will be further developed and updated to reflect the results of the Focus Group discussions and the questionnaire survey



Methods „Work Package IHR“

- *Deliverable: Draft a tool for implementation of IHR*
- Methods:
 - **Literature review** to identify potential obstacles and incentives for the reporting of events at the local, regional and national level
 - **Gather information** on legislation of surveillance in European countries
 - **Development of a tool kit** with several components
 - Professional engagement
 - Infrastructure
 - Communication



Methods „International Contact Tracing“ I

- *Deliverable: Checklist for criteria and assessment of necessity and extent of contact tracing and definition of essential dataset for contact tracing*
- Methods:
 - Description of **passenger transport** in Europe
 - **Literature review** on evidence for infectious disease transmission in conveyances
 - Setting up and improvement of an integrated **literature data base** for systematic analysis of literature findings
 - Gathering information on technical issues and **factors triggering contact tracing**



Methods „International Contact Tracing“ II

- *Deliverable: Checklist for criteria and assessment of necessity and extent of contact tracing and definition of essential dataset for contact tracing*
- Methods:
 - A **questionnaire based survey** to gather information on international contact tracing
 - Finish the second round of **structured literature search**
 - Further **cooperation and exchange** with stakeholders from the transport sector (Deutsche Bahn, UITP)



RKI The REACT project - Mozilla Firefox

http://www.rki.de/chn_091/EN/Content/Prevention/React/react_..._ninn=true

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The REACT project
 Response to Emerging infectious disease: Assessment and development of Core capacities and Tools

Summary:
 In the past the EU coordinated response to communicable diseases has experienced major challenges. Differences in public health preparedness and response have repeatedly been seen within the EU, which are difficult to explain to the EU citizens and result in delayed public health interventions. The project focuses on areas of generic response which are crucial for the international cooperation on prevention of international spread of infectious diseases, and where the necessity of an European effort to develop a common basis for action have been identified.

The project will assess existing and generate new evidence. In the frame of the project we will establish tools and best practices, and will in part define core capacities for four specified areas which are likely to be applicable and acceptable throughout the EU: enhanced surveillance during international mass gathering events; surveillance of infectious diseases in health care workers; implementation of International Health Regulations: Reporting from local to intermediate/national level, international contact tracing after exposure to infectious disease.

Problem:
 The more persons, goods and media information are moving within Europe the greater is the need for improved and coordinated response to infectious diseases within the European Union. Different responses to similar health threats in the different EU countries are likely to

related partners

- Health Protection Agency
- Norwegian Institute of Public Health
- NATIONAL INSTITUTE OF PUBLIC HEALTH

Fertig

Start | Anwendungen im Ro... | Posteingang - Micro... | REACT_GM_Präsen... | Z:\Präsentationen_... | Definition of experts... | Microsoft

Thank you!
 www.rki.de/react