

Infectious disease surveillance information for action

Part I About me

- contact tracing for infectious diseases - school entrance exams - coordinate psychiatric patients - hygiene control in hospitals - water safety - at the moment: corona/refugees

Part II Mechanisms of surveillance system

- **event:** disease marker, risk factors...
- **classification:** applying a definition
- **data:** structured items (excel-sheet) usually on time, place person
- **information:** data with meaning, trends, outbreaks...
- **action:** interventions, policy change, resource planing..

Part III: One example

Example 1: [German surveillance system](#)

Part IV: Own system

What do you percieve as a global health problem?

What action could you take?

What information do you need?

What data do you need to get that information?

How can we collect that data?

Part V: Classification of surveillance systems

Classifcation of surveillance system

- Indicator-based vs event-based surveillance
- Passive or active surveillance
- Sentinal surveillance
- Syndromic surveillance
- Lab vs clinician-based surveillance

Whats NOT a surveillance system

Surveillance	Science
ongoing	temporary
problem known	problem unkown

Surveillance	Science
no intervention	intervention
action driven	hypothesis driven

Part VI: Problems

Typical problem: underreporting

Typical problem: timeliness

Typical problem: event definition

Typical problem: change

Typical problem: costs and motivation

Typical problem: unknown event

Typical problem: close to elimination

Part VII: More examples

Example 2: [kindergarten surveillance](#)

Example 3: [event conference](#)

Example 4: [HIV-Sentinal-Surveillance](#)

Example 5: Wikipedia surveillance

Part VIII: Questions

Is a single survey a surveillance system?

What problems would you expect with the Wikipedia Surveillance?

How would you setup a surveillance system for tanks taken down?

Part IX: Resources

Database

- [ECDC surveillance atlas](#)
- [Promed Learning](#)
- [Field Epidemiology Manual](#)