



Session group 9

Future of HAI surveillance

Moderators:

Jacques Fabry (CCLIN Lyon, France)
& Carl Suetens (ECDC)

Agenda



- 14:00 – 14:05 **Welcome and nomination of rapporteurs.** *Jacques Fabry* (CCLIN Lyon, France) & *Carl Suetens* (ECDC)
- 14:05 – 14:30 **From HELICS I to HAI-Net.** *Jacques Fabry* (CCLIN, Lyon, France)
- 14:30 – 15:00 **New targets for HAI surveillance: introduction.** *Petra Gastmeier* (IHEM, Charite University, Germany)
- 15:00 – 15:45 **Discussion: new targets for HAI surveillance.** *All*
- 15:45 – 16:15 **Coffee break**
- 16:15 – 16:30 **Introduction to innovative methods and strategies for HAI surveillance.** *Carl Suetens* (ECDC)
- 16:30 – 16:45 **Example of electronic surveillance at local level: MONI system in the ICU.** *Alexander Blacky* (University Hospital Vienna, Austria)
- 16:45 – 17:00 **Integration of ICU surveillance in the intensivist workflow: the Austrian ICDOC system.** *Michael Hiesmayr* (University Hospital Vienna, Austria)
- 17:00 – 17:25 **Example of electronic surveillance at national level: Swedish HAI registration system "Infektionsverktyget".** *Petra Hasselqvist* (SALAR, Sweden)
- 17:25 – 17:55 **Discussion: automated surveillance methods and use of existing databases.** *All*
- 17:55 – 18:00 **Concluding remarks.** *Carl Suetens* (ECDC)

Summary of findings (1) Future targets for HAI

- Neonatal ICU surveillance
 - A number of outbreaks reported in this setting
 - At risk hospital population
 - Modified (CDC) HAI surveillance definitions
 - NeoKISS system – web based, being adopted by other countries
 - Engaged clinical community
- Hand hygiene monitoring of hand rub consumption
 - Outcome measure in many HH campaigns
 - Germany have seen an increase of use over the years since their campaign was initiated
 - Easy to capture/ not resource intensive
 - Debate continues on validity of the measure

Summary of findings (2.1) Innovative methods

- Local systems
 - Integrated PAS/ Clinical and micro lab systems using algorithms based on criteria from HAI definitions to facilitate automated data collection
 - Fuzzy logic methods
 - Consistent HAI epidemiology monitoring

Summary of findings (2.2) Innovative methods

- Local/ regional embedded systems
 - Clinical 'community owned' system in ICU (ASDI)
 - Build HAI surveillance into normal clinical routine
 - Makes it easy to collect the data and focussed on local reporting and feedback for QI
 - Integration means workload minimised and local empowerment- belongs to clinicians

Summary of findings (2.3) Innovative methods

- Integrated local, regional and national systems
 - Anti-infection tool
 - Antibiotic prescriber (electronic) pop up system for HAI data capture
 - Mandatory- if not completed you cannot prescribe!
 - Standardised coding and aligned to an e health strategy

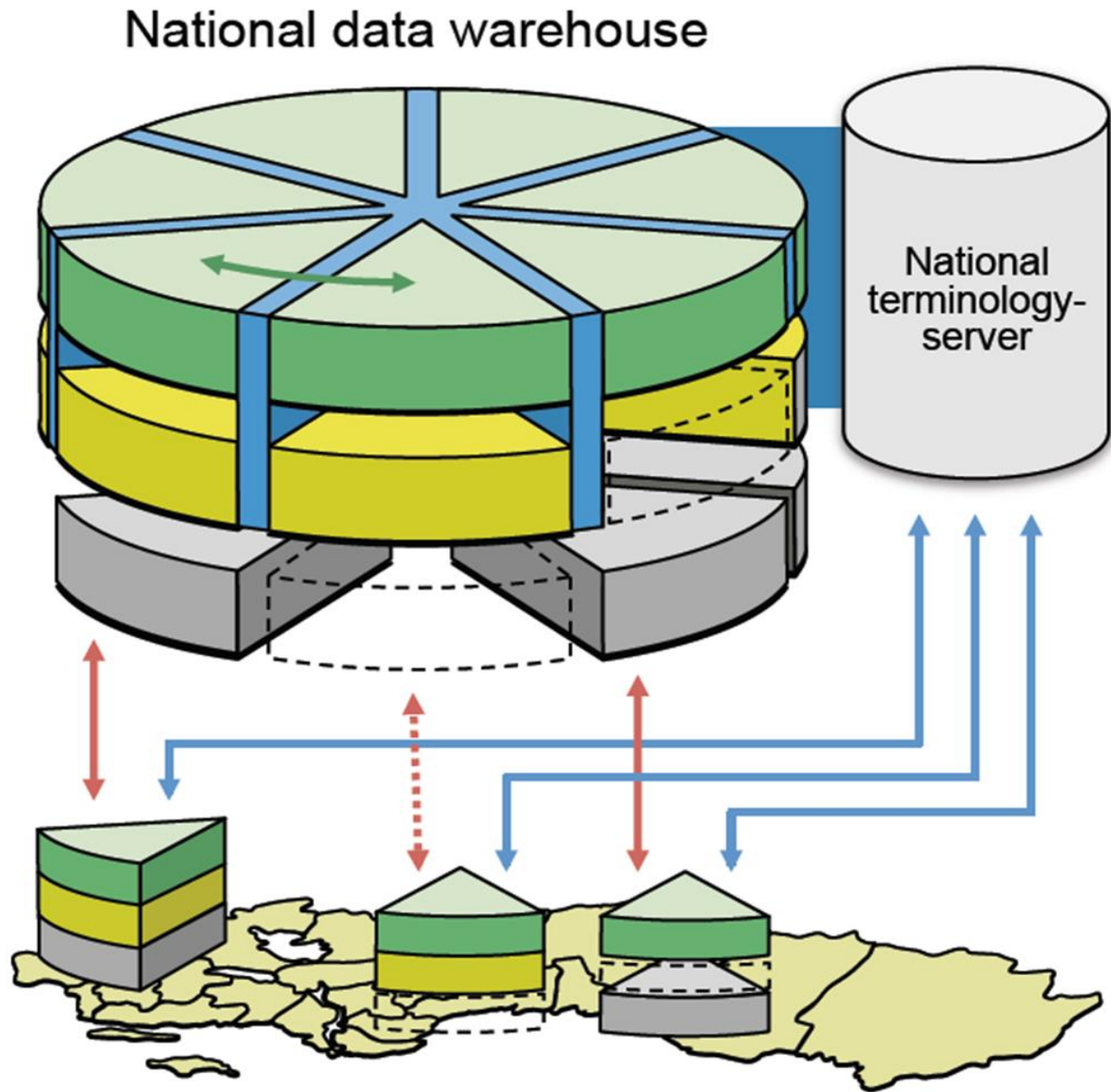
Surveillance Utopia!

National standard

National standard, but not mandatory

Local/regional decision

Local data warehouse in different counties



Surgical procedure
at care-giver A...

...has led to detection of a
suspected health-care infection
at caregiver B

Conclusions – Decisions

(what has been agreed upon)

ECDC to support:

- Neonatal ICU HAI surveillance
- A hand hygiene process monitoring module incl. HH compliance
- E health guidance for HAI surveillance

The vote counts were:

NICU: pro 27 / con 2 / no vote 11 (total 40)

HH: pro 24 / con 5 / no vote 11 (total 40)

ECDC to organise an expert meeting on automated HAI surveillance & produce E health guidance: pro 37 / con 0 / no vote 13 (total 50)

Perspectives

(what will happen in 2012, and possibly 2013 onwards)

- ECDC should set up a working group to develop neonatal ICU HAI surveillance
- ECDC should consider giving guidance to member states on a minimum dataset for HAI and AM/AMR surveillance for e health considerations (electronic records) and should set up an expert group to develop this
- ECDC should analyse and evaluate the hand rub consumption data from PPS and decide if this is something for the future and develop a HH monitoring module including compliance