Session group 14

Surveillance of *Clostridium difficile* infection

Moderators:
Ed Kujper (Leiden University Medical Centre, The Netherlands)
Petra Gastemier (Institute of Hygiene and Environmental Medicine, Germany)

Agenda

16:15 – 16:25	**Welcome and nomination of rapporteurs** *Ed Kujper* (Leiden University Medical Centre, The Netherlands)
16:25 – 16:45	**CDI surveillance in Europe** *Petra Gastmeier & Axel Kola* (IHEM, Charite University Berlin)
16:45 – 17:15	**Round table & Discussion** All
17:15 – 17:35	**Progress of ECDIS-Net and new aspects of the epidemiology of CDI** *Ed Kujper* (Leiden University Medical Centre, The Netherlands)
17:35 – 17:55	**Round table & Discussion** *All*
17:55 – 18:00	**Closing remarks** *Ed Kujper* (Leiden University Medical Centre, The Netherlands)

Summary of findings

ECDIS-net is on course and completed its first year with progress on enhancing laboratory capacity to diagnose CDI and the development of European CDI surveillance protocol

A recently completed web-based survey among 32 European Member States revealed that:

- Only 38% performed some kind of a structural surveillance to *C. difficile* infections
- national surveillance protocols differed considerably
- surveillance to different forms of CDI
- Definitions were based on previous ECDC recommendations, but were adapted to national workable definitions
- 75% reported on the presence of a (national) laboratory capable to type the isolates

Conclusions – Decisions

- Definitions for CDI and its different origin will be reconsidered
- Definitions for severe CDI will be altered
- European surveillance to CDI will be developed with a ”light” version and a ”full”version
- epidemiologists and microbiologists interested in ECDIS-net will be informed on the progress and offered access to the website
- at the microbiological workshop in March 2012, Leiden, capillary-eletrophoresis PCR ribotyping will also be practised

Website: www.ecdisnet.eu

ECDIS-Net

Supporting capacity building for surveillance of C. difficile

ESGCD ESCMID STUDY GROUP FOR CLOSTRIDIUM DIFFICILE

European Society of Clinical Microbiology and Infectious Diseases

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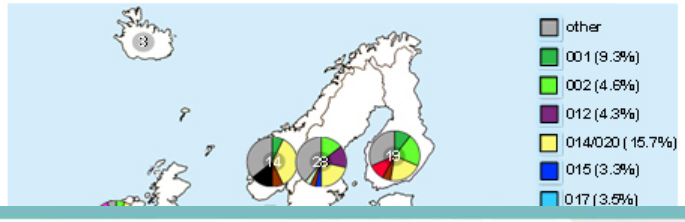
Supporting capacity building for surveillance of Clostridium difficile infections at European level (2010-2014)

Clostridium difficile infections (CDI) are an important healthcare problem across Europe. To improve recognition and awareness, and to enable surveillance at a European level, the European Centre of Disease Prevention and Control (ECDC) funded an upcoming project to enhance laboratory capacity for CDI detection and surveillance in Europe (2010-2014). This project will not be a duplication of the previous European *Clostridium difficile* infection study (ECDIS), but instead will be used to strengthen the network and capacity building for CDI surveillance on national and European level. We have therefore called the new project "European Clostridium difficile infection surveillance network (ECDIS-net)".

Background

After the recognition of a new hypervirulent *Clostridium difficile* strain, PCR ribotype 027, in 2005 in Europe, the ESCMID Study Group on *Clostridium difficile* (ESGCD) contacted ECDC leading to several actions. A background document on CDI was written, guidance documents were published, and a first pan-European surveillance study, the "European Clostridium Infection Survey (ECDIS)" was performed in 2008-2009. Results of this study have been published in Lancet (Bauer et al. *Clostridium difficile* infection in Europe: a hospital-based survey. Lancet. 2011;377:63-73). Based on the results of the ECDIS study, it was decided to provide support for further capacity building for surveillance of CDI across Europe.



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Perspectives

- Surveillance protocols and definitions will be discussed and adapted in a Berlin workshop
- A microbiological teaching course has been scheduled for March 2012
- partners to participate in the feasability study from countries with a low CDI incidence will actively be sought
- standardization of the CE-PCR ribotyping protocols will be completed in collaboration with CDC and tested by several reference laboratories