

European Antimicrobial Resistance Surveillance System (EARSS)

Short introduction
Smilja Kalenic, Croatia

EARSS

- International initiative founded by DG SANCO of the European Commission and the Dutch Ministry for Health Welfare and Sports
- EARSS maintains comprehensive surveillance and information system linking national networks

EARSS

- Provides comparable and validated data on the prevalence of major invasive bacteria
- EARSS collects routinely generated antimicrobial susceptibility data
- Provides spatial trend analyses
- Makes up-to-date feedback on website

EARSS

- Collects data about *E.coli*, *S.aureus*, *S.pneumoniae*, *E.faecium*, *E.faecalis* and from 2005 also *P.aeruginosa* and *K.pneumoniae*

EARSS

- Started with 14 countries in 1999
- In 2004 it has 800 laboratories from 1200 hospitals in 30 European countries
- Overall catchment population is over 100 million inhabitants of Europe (national coverage rates are between 20 and 100%)

EARSS

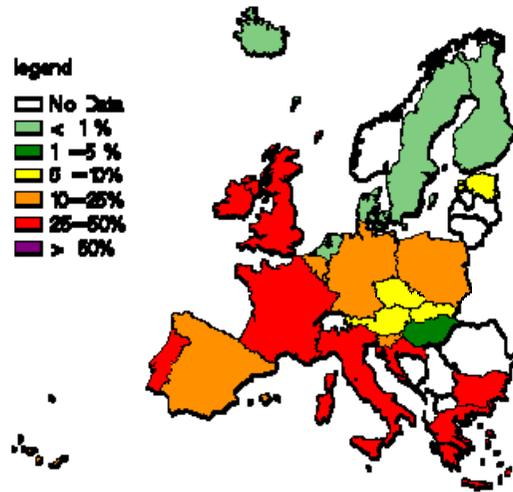
- External QA (UK-NEQAS): overall concordance of susceptibility results was of sufficient quality

EARSS - CROATIA

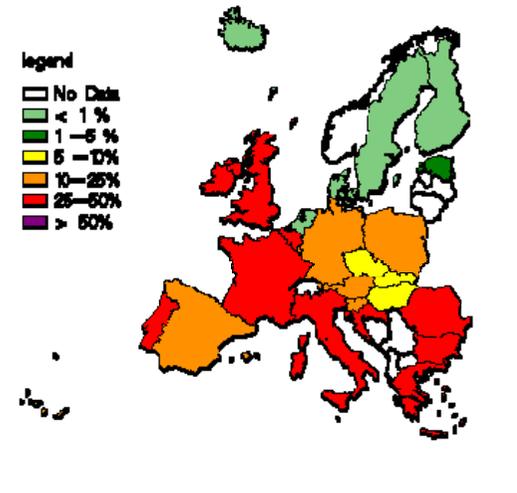
- Croatia has started in 2001
- 15-17 laboratories out of 30 in Croatia participate
- Catchment population is 80%
- Added value:
 - EQA, very good results (every year better)
 - enhanced awareness to hospital bacteremia in participating hospitals
 - we can compare our resistance rates with the rates of other European countries

MRSA, EARSS, blood isolates

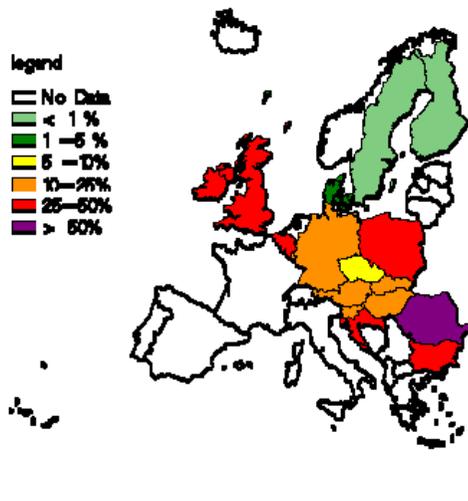
Proportion of MRSA isolates in participating countries in 2001
(c) EARSS



Proportion of MRSA isolates in participating countries in 2002
(c) EARSS



Proportion of MRSA isolates in participating countries in 2003
(c) EARSS



Proportion of MRSA isolates in participating countries in 2004
(c) EARSS

