Norwegian Institute of Public Health

Strategies for combating MRSA in Norway

Petter Elstrøm
Department of Infectious Disease Epidemiology
Norwegian Institute of Public Health

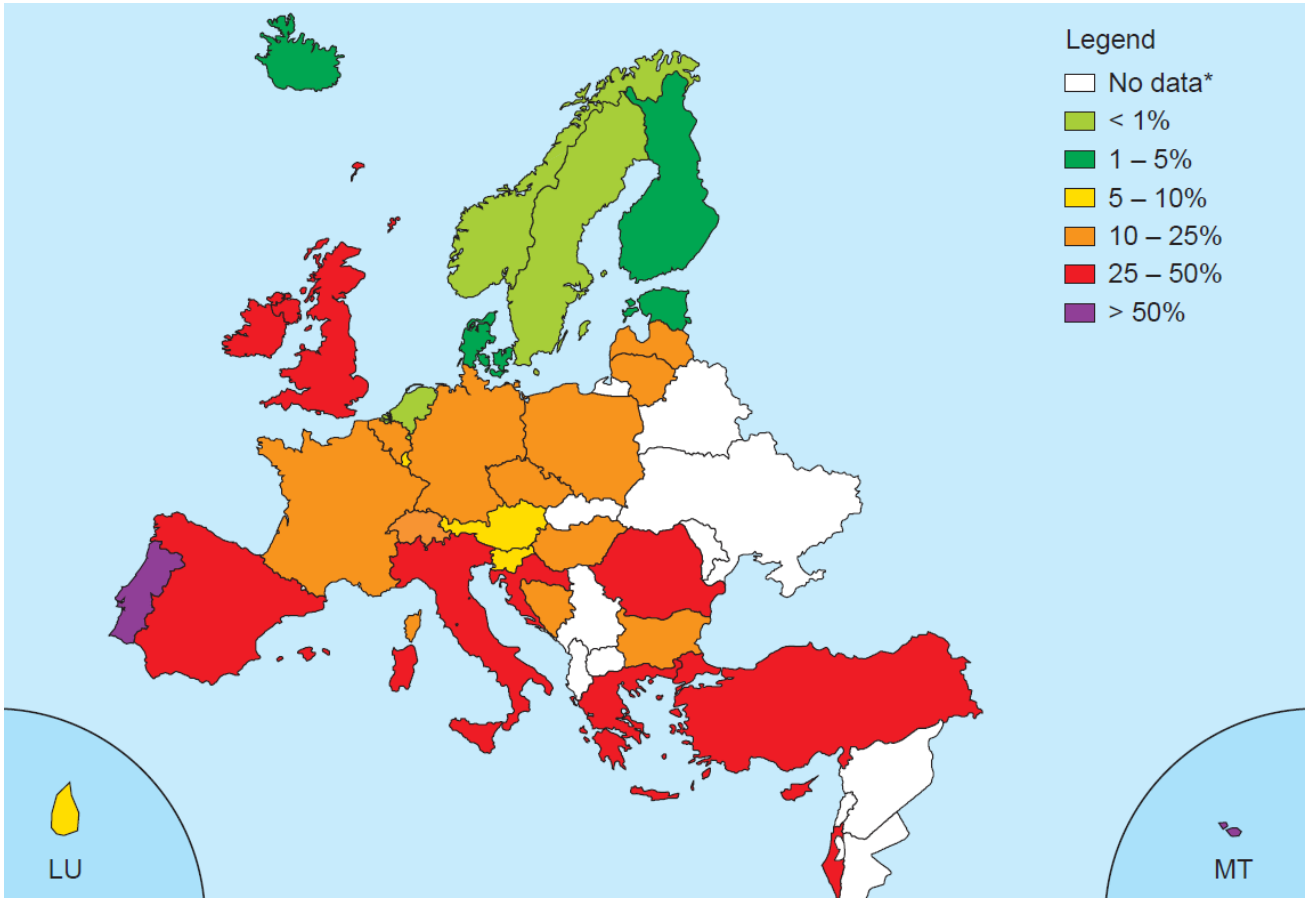
Content

- The epidemiology of MRSA and antibiotic use in Norway
- A historical view on the development of antibiotics, the evolution of MRSA and infection control
- Norwegian strategies regarding prevention and control of MRSA infections
- Evidence and transferability

Norwegian Institute of Public Health

MRSA in Europe

The proportion of invasive S. aureus isolates resistant to oxacillin

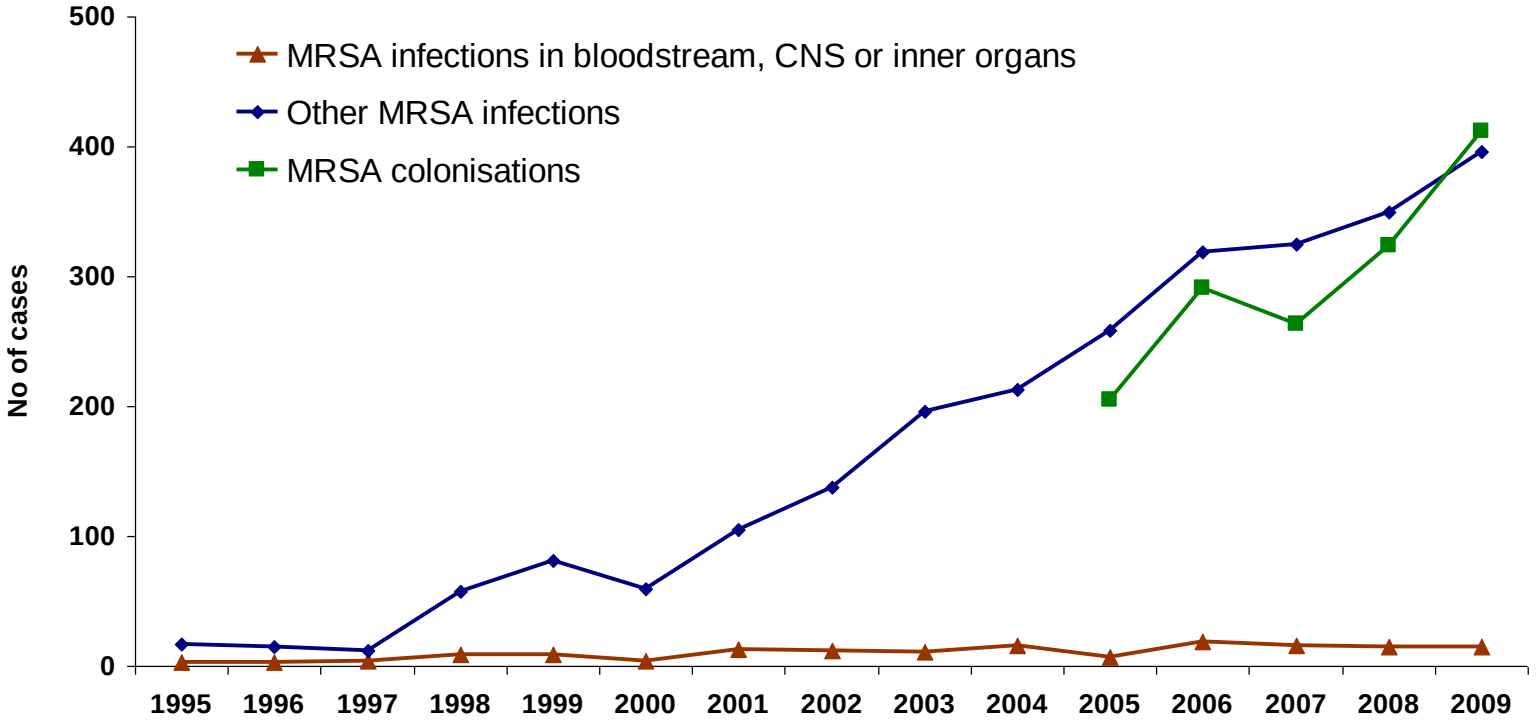


The European Antimicrobial Resistance Surveillance System. EARSS Annual Report 2008

Norwegian Institute of Public Health

MRSA in Norway

Reported cases of MRSA infections and colonisations

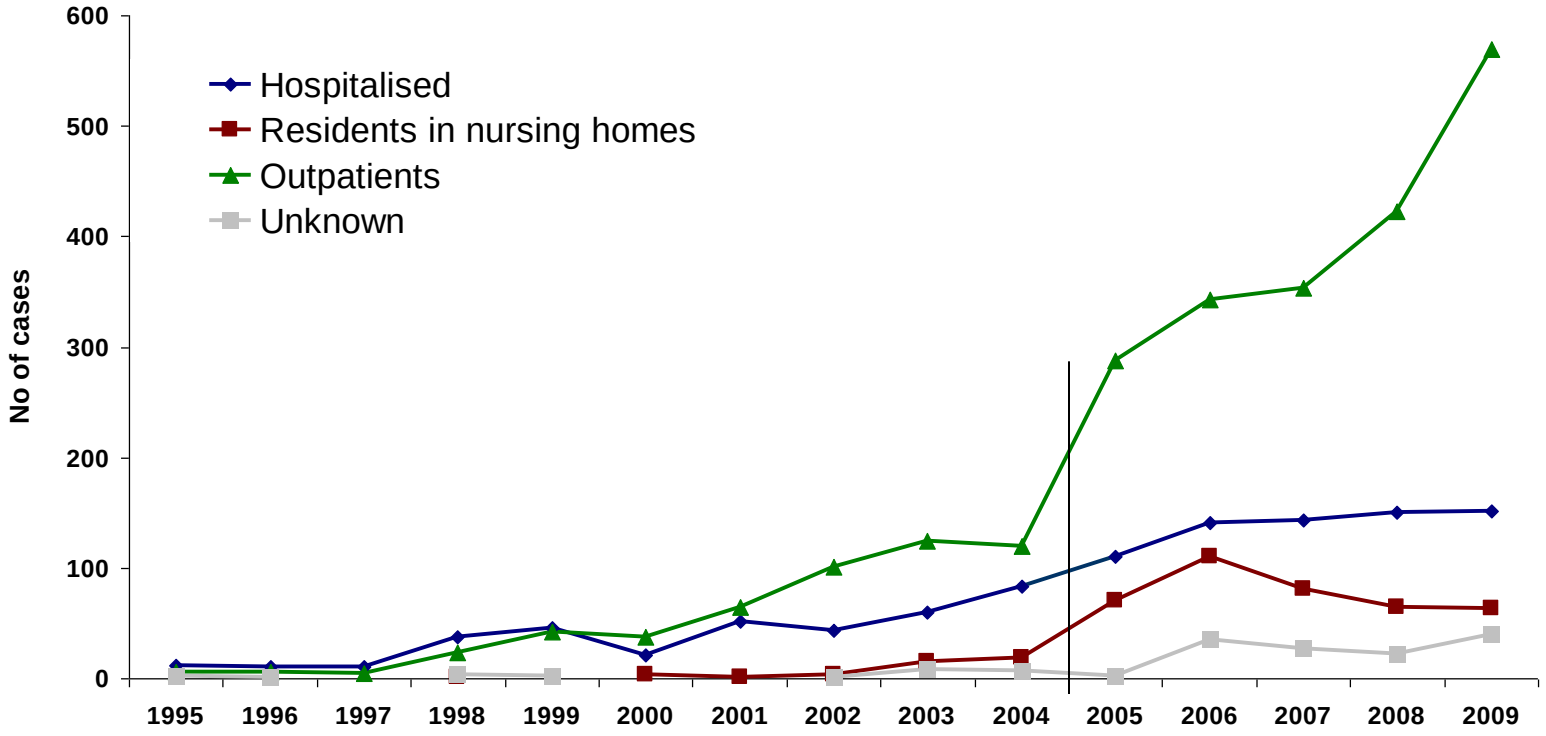


The Norwegian Surveillance System of Communicable diseases (MSIS)

Norwegian Institute of Public Health

MRSA in Norway

Reported cases of MRSA infections and colonisations

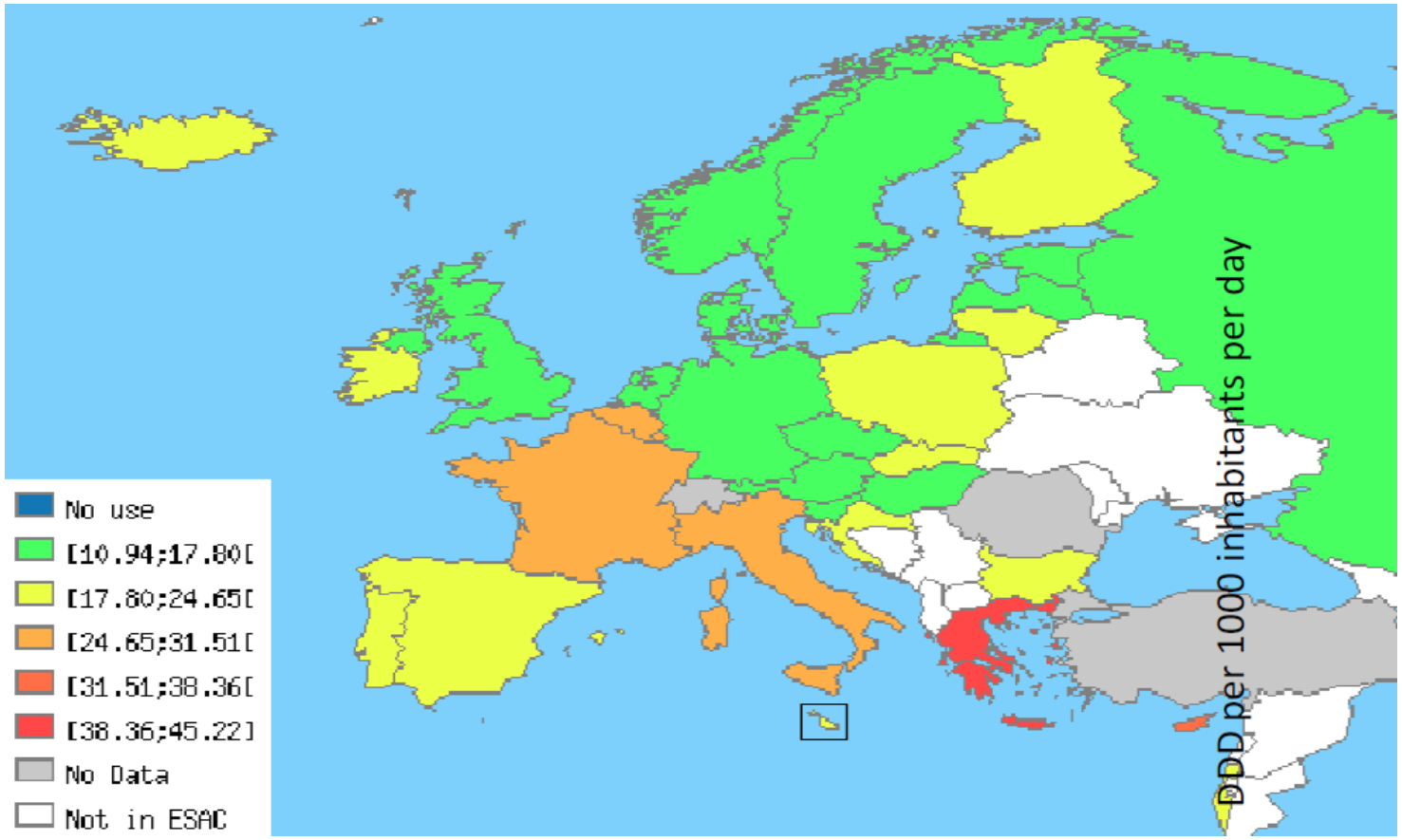


The Norwegian Surveillance System of Communicable diseases (MSIS)

Norwegian Institute of Public Health

Consumption of antibiotics

Total outpatient antibiotic use in Europe, 2008

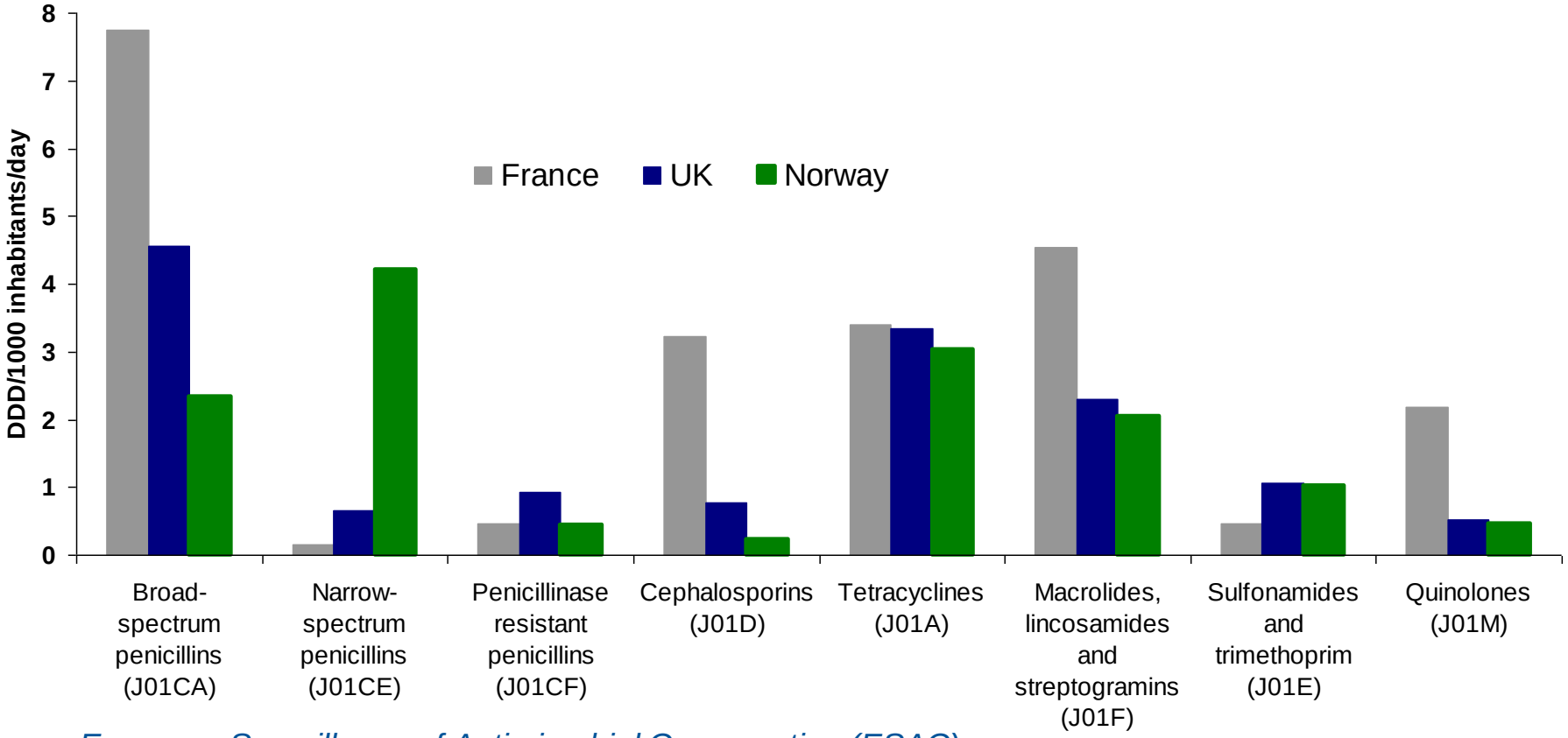


European Surveillance of Antimicrobial Consumption (ESAC). Poster ECCMID 2010

Norwegian Institute of Public Health

Consumption of antibiotics

Outpatient antibiotic use in France, UK and Norway in 2005, distributed by antibiotic classes

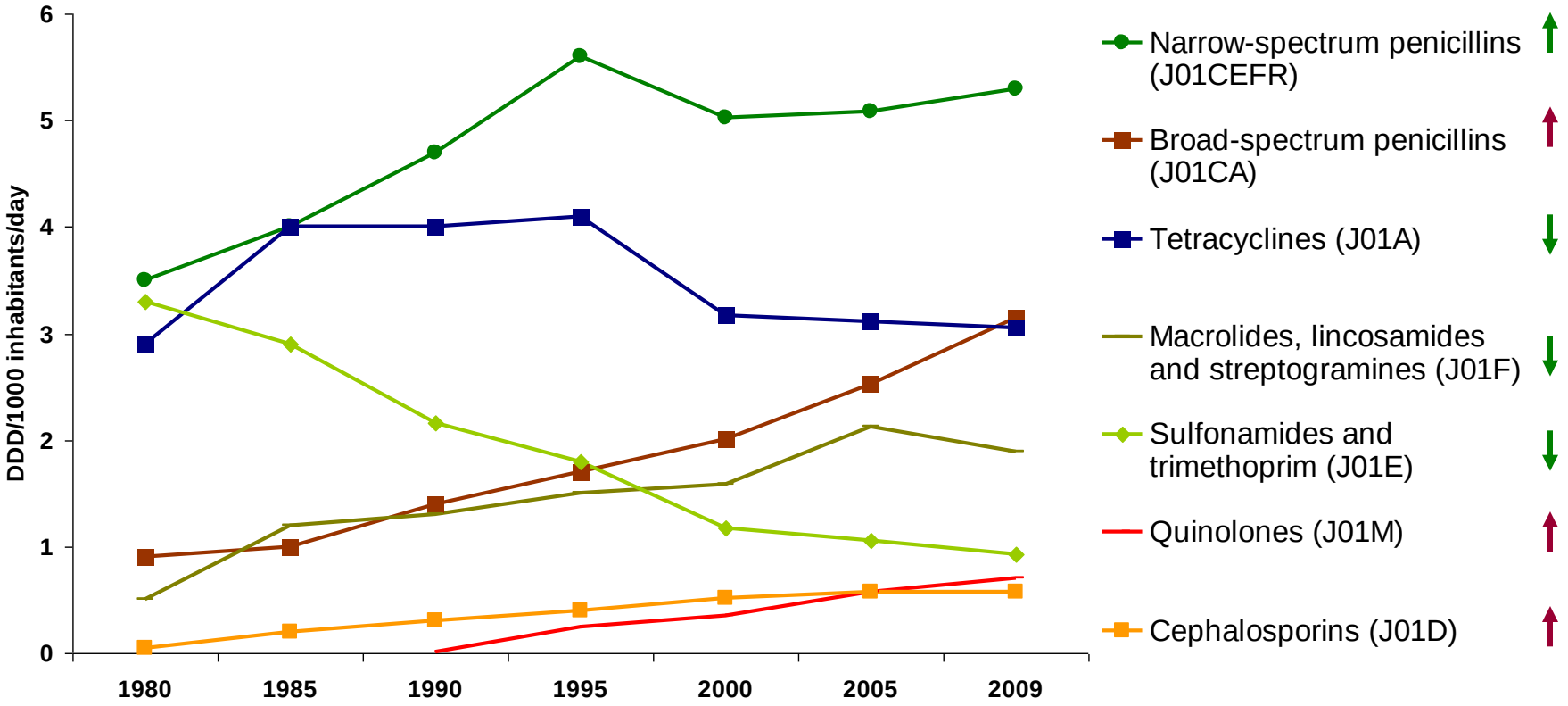


European Surveillance of Antimicrobial Consumption (ESAC)

Norwegian Institute of Public Health

Consumption of antibiotics

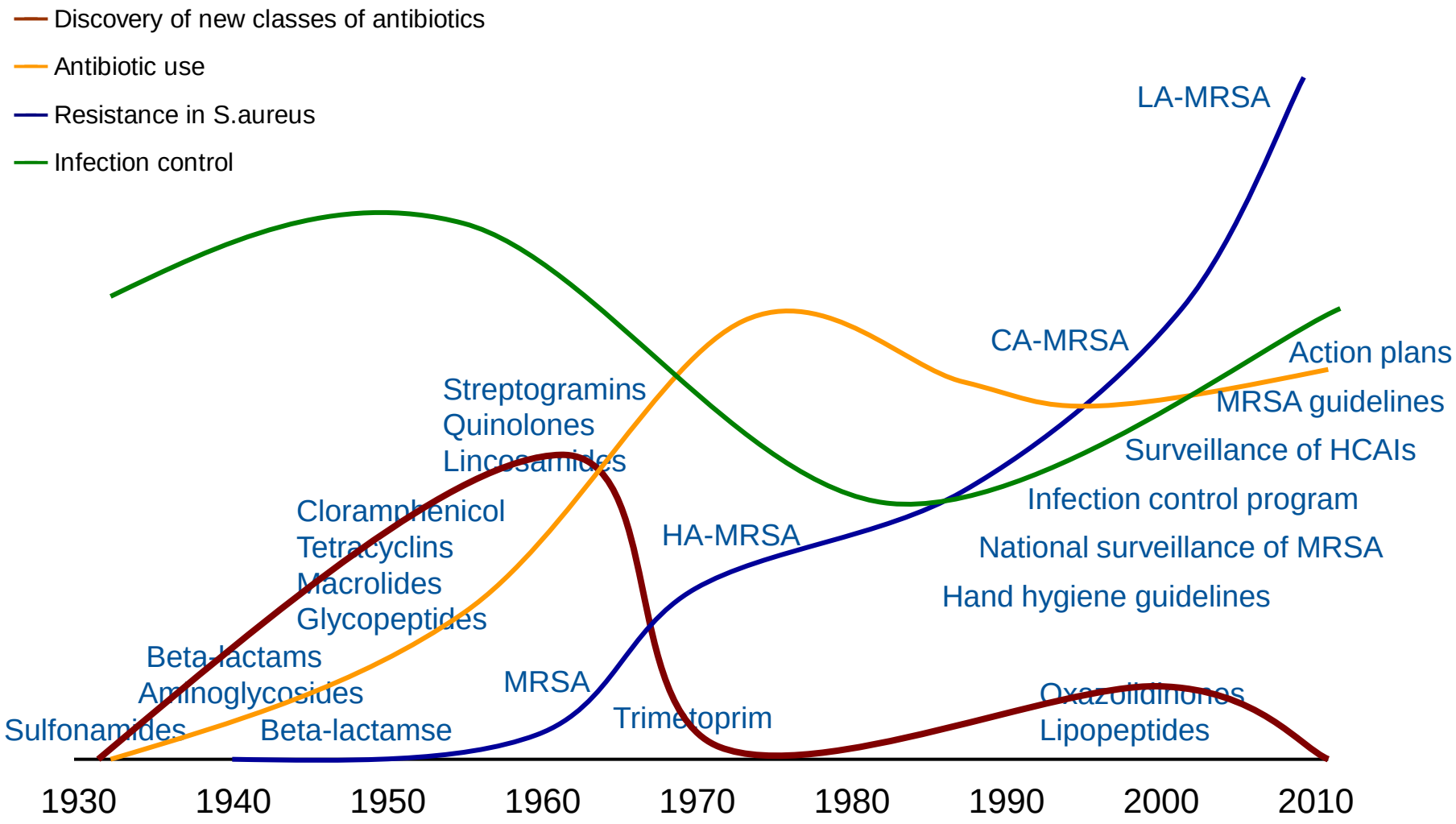
Total sales of antibiotics in Norway for systemic use in humans, 1980-2009



The Norwegian Wholesaler Database

Norwegian Institute of Public Health

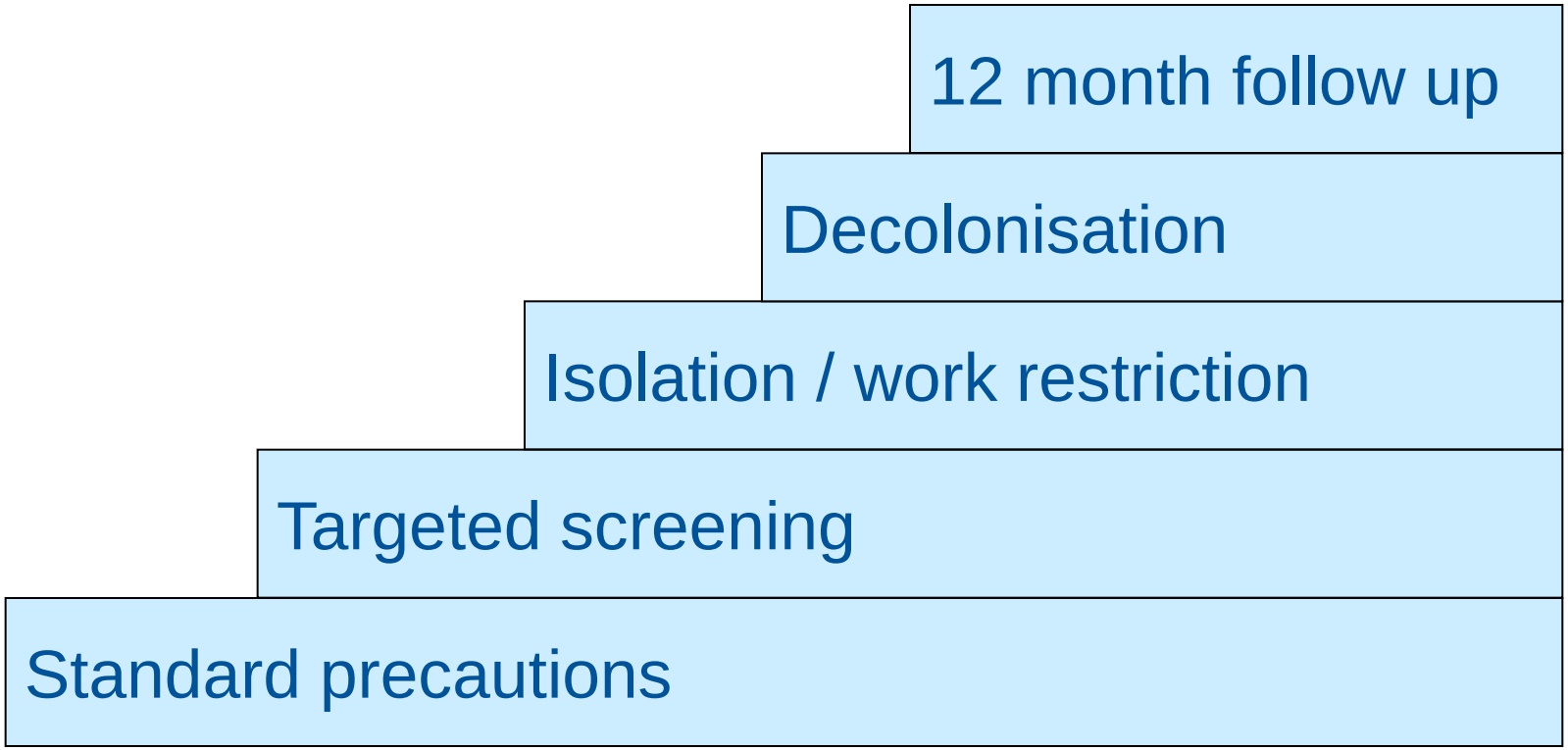
The history of resistance in S. aureus



Norwegian Institute of Public Health

MRSA-guidelines

Control measures in health care



Norwegian Institute of Public Health

MRSA-guidelines

Communication and implementation

430 municipalities

- Chief med. off.
- GPs
- Health care inst.

NIPH

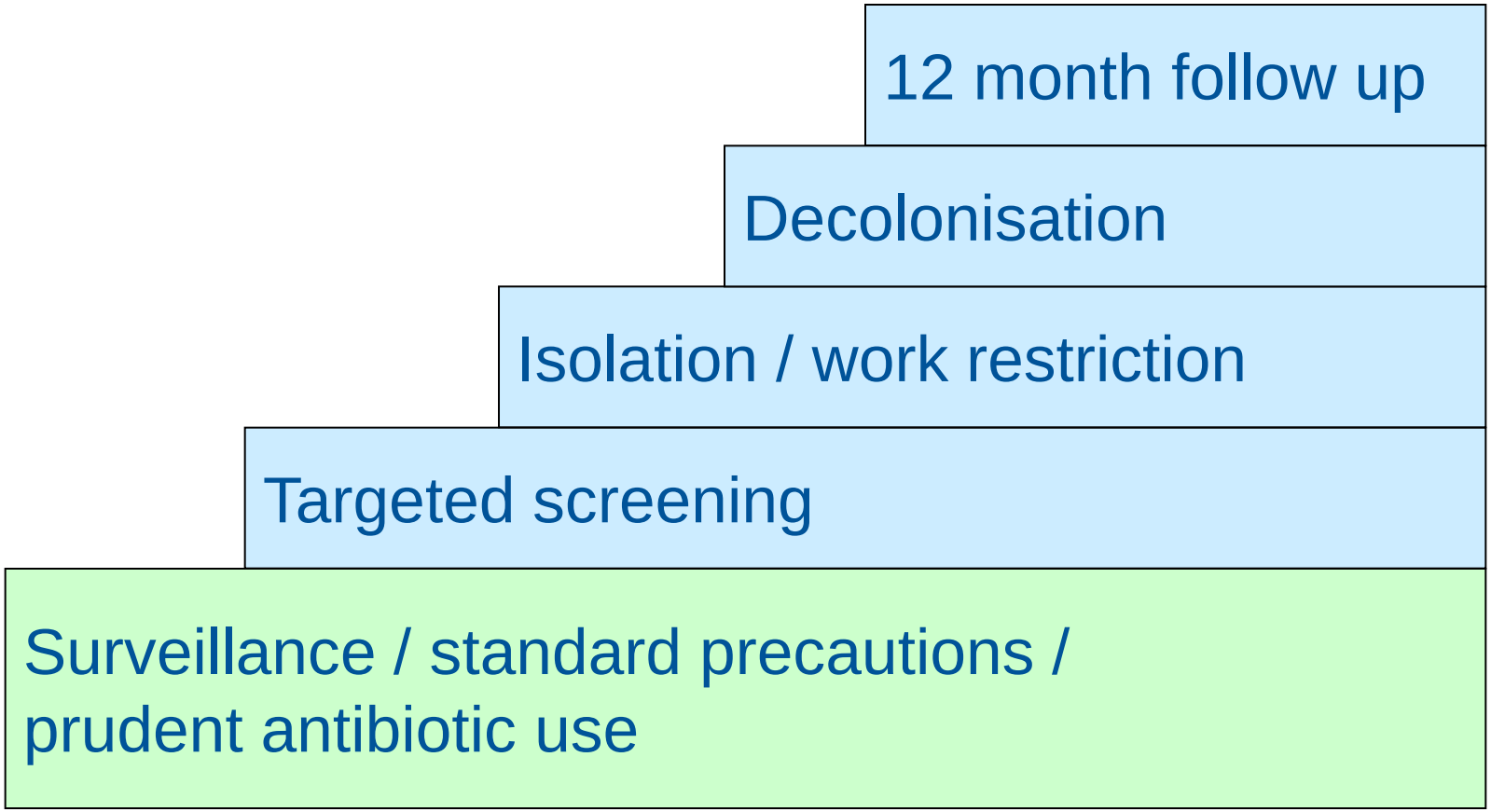
54 hospitals

- Infection cont. pers.
- Health care pers.

Norwegian Institute of Public Health

Prevention and control of MRSA

Evidence and transferability



Norwegian Institute of Public Health

Thank you for your attention!