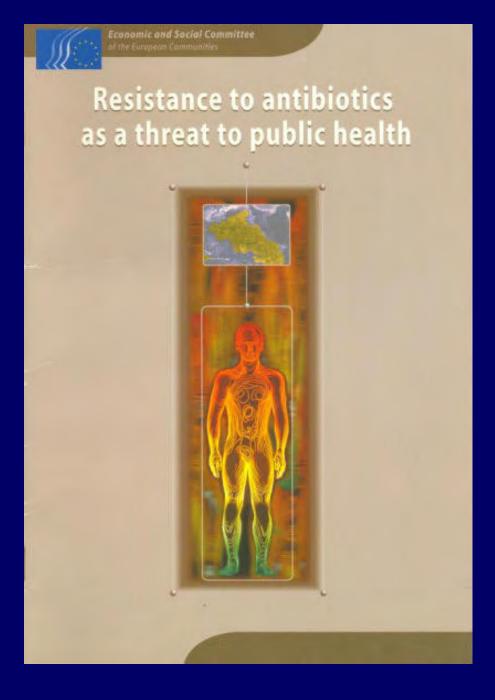
Quelle politique antibiotique pour l'Europe?

Dominique L. Monnet

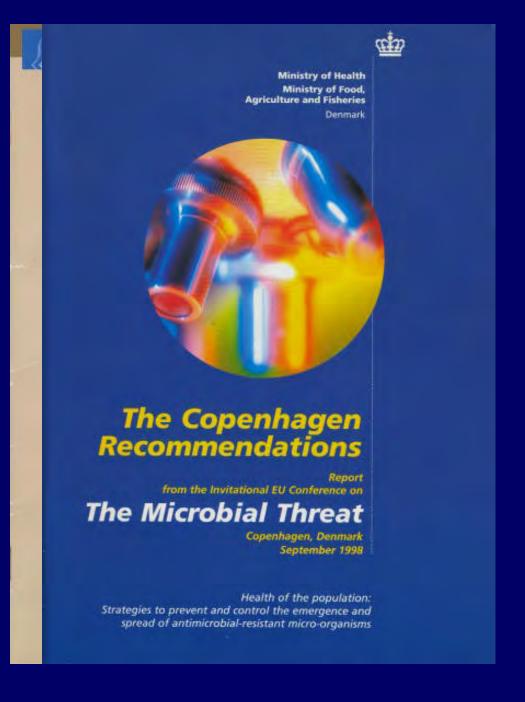
National Center for Antimicrobials & Infection Control Statens Serum Institut, Copenhagen, Denmark





Opinion of the Section for
Protection of the Environment,
Public Health and Consumer Affairs
of the Economic & Social Committee
of the European Communities on
Resistance to Antibiotics
as a Threat to Public Health
(own initiative opinion)

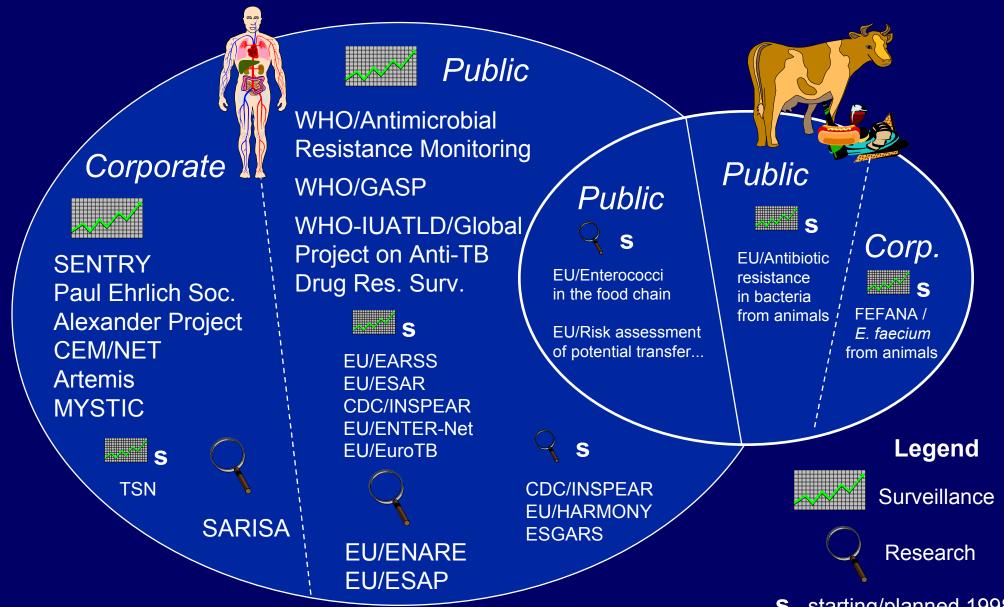
July 1998



EU Conference on the Microbial Threat, Copenhagen

September 1998

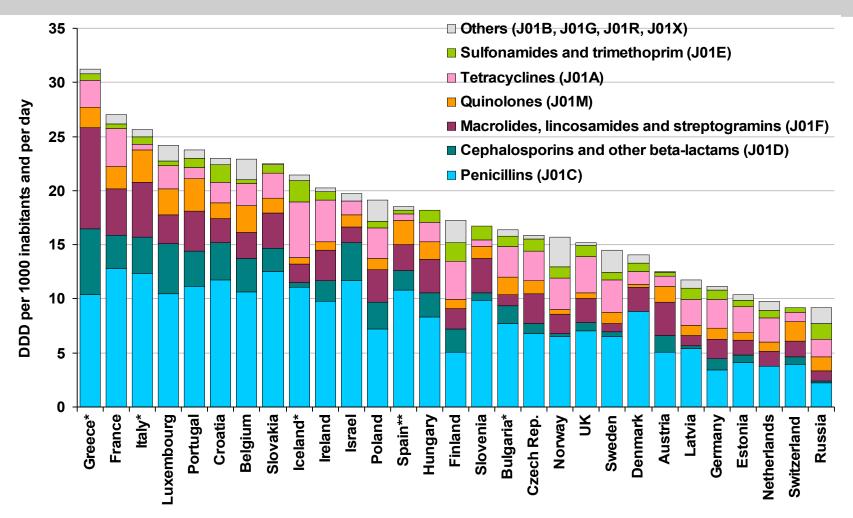
Surveillance of Antimicrobial Resistance in Europe, 1998





TOTAL OUTPATIENT ANTIBIOTIC USE (ATC J01) IN 29 EUROPEAN COUNTRIES, 2004





^{*}Total use for Iceland and Bulgaria, 2003 data for Greece and Italy.

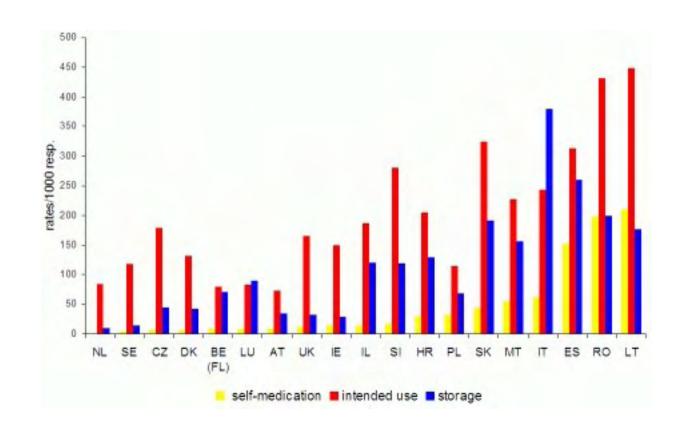
^{**}Reimbursement data, which do not include over-the-counter sales without a prescription.



Actual and 'At Risk' Self-medication With Antibiotics in 19 European Countries

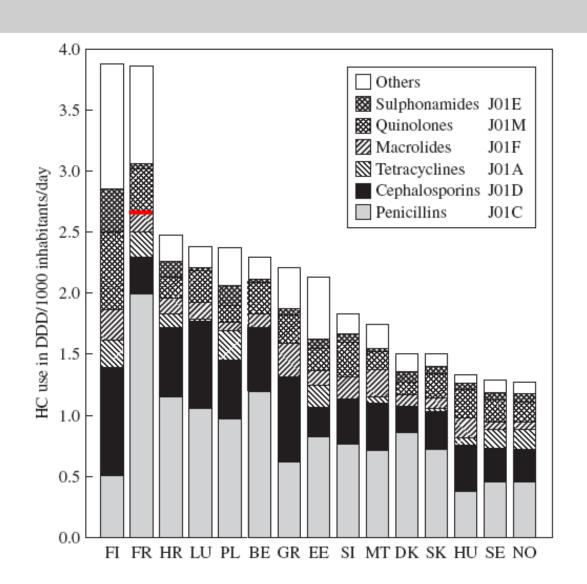






TOTAL HOSPITAL ANTIBIOTIC USE (ATC J01) IN 15 EUROPEAN COUNTRIES, 2002





For Finland:

- Data include primary care centres and nursing homes
- For France:
 - IV amoxicillin-clavulanic acid was calculated with the oral DDD (1g) instead of the parenteral DDD (3g)...
 - Oral metronidazole (not in ATC J01) was included...
 - When corrected, total hospital use was only 2.67 DDD/1000 inhab.days (red line)

Source: Vander Stichele RH. et al. J Antimicrob Chemother 2006;58:159-67.



DANMAP DA 2003 A Report on Sensitish Antibiatic Utilization and Resistance in Universidad くろいっといいかいっと **NETHMAP** 2004 ption Consumption of artimicrobial agents and Usage of Americanists Agents and Octomesto of Americanists Sentence in Horsey antimicrotiul resistance among medically important bucteria in the Netherlands rivi riym

Steps Towards a European Antibiotic Policy

- July 1998: "Opinion of the Economic & Social Committee on Resistance to Antibiotics as a Threat to Public Health"
- May 1999: "Opinion of the Scientific Steering Committee on Antimicrobial Resistance"
- June 1999: European Council of Ministers adopted a resolution on Antimicrobial Resistance "The Strategy Against the Microbial Threat" http://europa.eu.int/eur-lex/pri/en/oj/dat/1999/c_195/c_19519990713en00010003.pdf
- June 2001: European Commission proposed a "Community Strategy Against Antimicrobial Resistance"
- November 2001: European Council of Ministers adopted a "Recommendation on the Prudent Use of Antimicrobial Agents in Human Medicine" http://europa.eu.int/eur-lex/pri/en/oj/dat/2002/l_034/l_03420020205en00130016.pdf
- EU Public Health Programme (2003-2008): activities should support the "European Community Strategy Against Antimicrobial Resistance"



COMMISSION OF THE EUROPEAN COMMUNITIES.

Heredo, 2006; COM(2001) NO

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European Centre for Disease Prevention and Control



- July 2003: Proposal from the European Commission to establish an ECDC
- December 2003: Council Decision that Sweden will host the ECDC



- April 2004: Regulation 851 establishing the ECDC http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32004R0851:EN:NOT
- May 2005: ECDC operational
- October 2005: Move to own facilities at Tomteboda
- 2007: Evaluation of the possible need to extend the scope of ECDC's mission

Basic Principles of AMR Prevention and Control



Surveillance

Monitor antibiotic usage and antibiotic resistance patterns

Decrease the need for antibiotics

Lessen diseases incidence and hinder spread of bacteria

Use antibiotics properly

Improve diagnostics and antibiotic usage

Non-human usage of antibiotics

> Coordinate national activities

Knowledge Food animals, agriculture, plants, environment. etc.

education, information, research

International commitment

Intersectoral Co-ordinating Mechanism



(as of 2003)



COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 22.12.2005 SEC(2005)1746

COMMISSION STAFF WORKING DOCUMENT

Detailed analysis of Member States' reports on the implementation of the Council recommendation (2002/77/EC) on the prudent use of antimicrobial agents in human medicine.

{COM(2005)684 final}



ΕN

ΕN

National Action Plan on AMR

(as of 2003)





COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 22.12.2005 SEC(2005)1746

COMMISSION STAFF WORKING DOCUMENT

Detailed analysis of Member States' reports on the implementation of the Council recommendation (2002/77/EC) on the prudent use of autimicrobial agents in human medicine

{COM(2005)684 final}

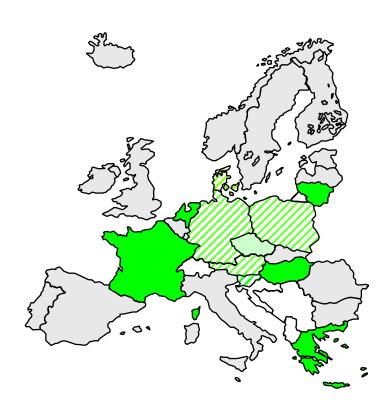


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AMR country visits



- 1. Development of a Member State Coordinating Group
- 2. Organized multidisciplinary and multisectoral collab. on local level
- 3. Laboratory capacity
- 4. Monitoring of antibiotic resistance
- 5. Monitoring of antibiotic usage
- 6. Antibiotic utilization and treatment guidance
- 7. Infection control
- 8. Educational programs on AMR
- 9. Public information related to AMR
- 10. Marketing related issues



First European Communicable Disease Epidemiological Report



The First European Communicable Disease Epidemiological Report

Editors:

Andrew Amato-Gauci and Andrea Ammon

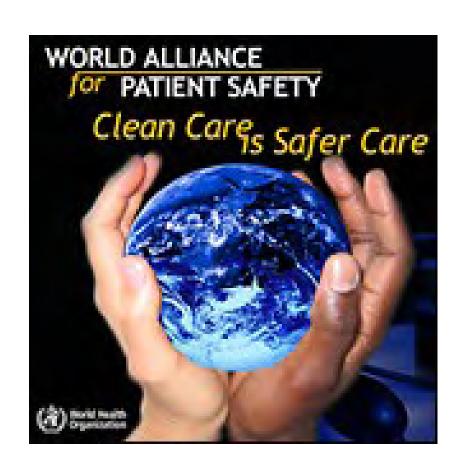
Stockholm, 7 June 2007

European Centre for Disease Prevention and Control

The European Communicable Disease Epidemiological Report is also available as an Executive Dummary and a Highlights version. As updates have been received up to the 5 June 2007, this full version is the authoritative final version. www.ecdc.europa.eu

Global Patient Safety Challenge 2005-2006 European countries committed to address HCAI







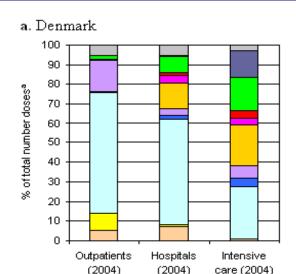
	AMR in outpatients	AMR in hospitals	AMR inintensive care units	Antimicrobial use In outpatients	OTC use of antimicrobials	Antimicrobial use in hospitals	Antimicrobial use in intensive care	Hospital infection control	AMR in LTCFs & nursing homes	Pan-resistant microorganisms	New antimicrobials	Non-human AMR & antimicr. use	AMR in non EU Member States	Antimicrobial availability	
Surveillance			consolida RSS, ES												
Ad-hoc studies	Eff. reduc. use		Euro- barometer							Extent of pan-R micr.					
Capacity building	National focal point meetings (2 / year) Country visits (5-10 / year)														
Communic.	European AMR Awareness Day Pat. safety (WHO)														
Training	EU training program on control of MDR microorganisms (start with curriculum)												Train. (WHO)		
Guidelines & reports	CA- MRSA	Guid. AST			отс					Need f		Vet. use (EFSA)			
Regulatory															
Technical solutions															

A Plausible Scenario for... DoomDay 01/01/2015?

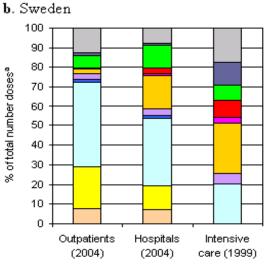
- ★ use of quinolones in the community (RTI, UTI)
- ★ use of new cephalosporins to treat community MRSA
- ★ use of oral carbapenems in the community
- ★ carbapenem resistance in community GNB
- What will be left for hospitalized patients?

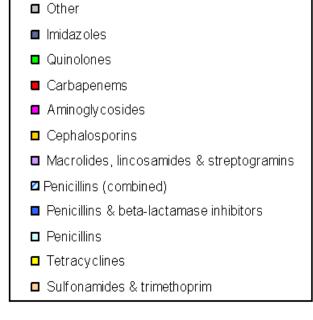


Distribution of Antibacterial-Drug Use in the Different Compartments of Health Care in 4 European Countries

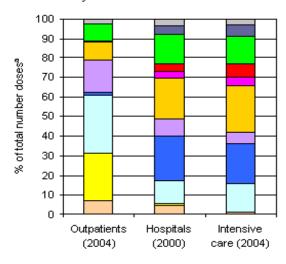




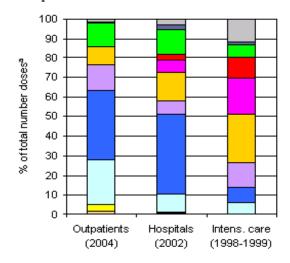




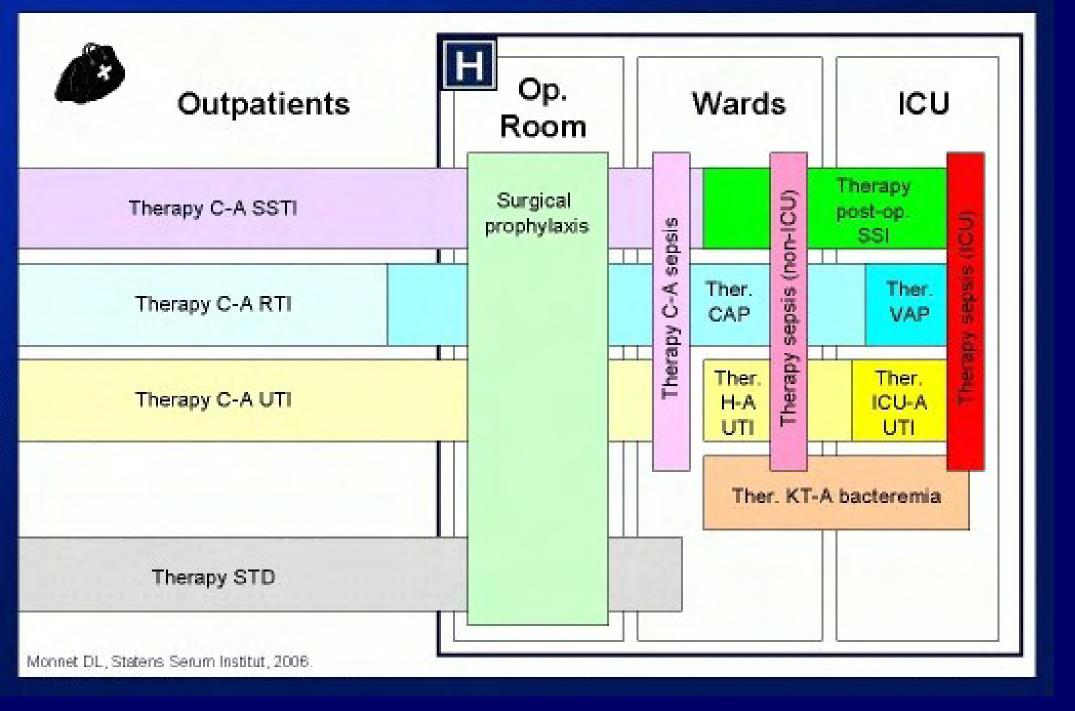








aWHO-Defined Daily Doses except Spain, intensive care: Days of Therapy



Domino Effect?



- ✓ unnecessary use and narrow spectrum of antibiotics used in the community
- ★ vaccination coverage

- The most potent antibiotics can then be reserved for the most severe patients