

# Tackling AMR in Europe's healthcare facilities

Ana Paula Coutinho Rehse  
Technical Officer Infection Prevention and Control  
WHO Regional Office for Europe



# Global AMR Action Plan - Strategic Objectives

<http://who.int/antimicrobial-resistance/global-action-plan/en/>

1. Improve awareness and understanding
2. Strengthen knowledge and evidence base
3. Reduce incidence of infection
4. Optimize use of antimicrobial medicines
5. Develop economic case for sustainable investment



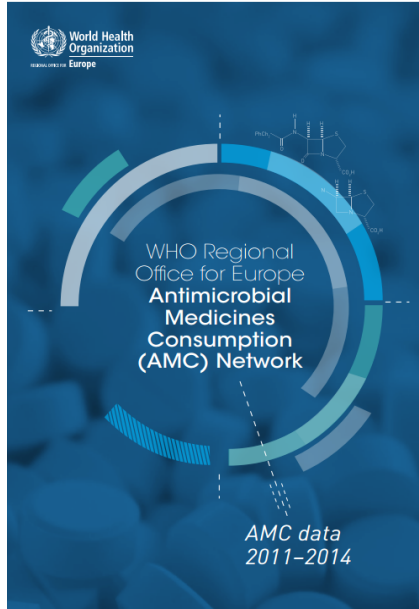


# Regional activities

- World Antibiotic Awareness Week
- European Antibiotic Awareness Week
- Central Asian and Eastern European Surveillance of Antimicrobial Resistance network (CAESAR)
- Antimicrobial Medicines Consumption network (AMC)
- Infection Prevention and Control core components
- Antimicrobial stewardship courses
- Tailoring AMR Programmes (TAP)

# Surveillance of antimicrobial use and resistance

Antimicrobial  
Medicines  
Consumption  
network  
(AMC)



Central Asian and  
Eastern European  
Surveillance of  
Antimicrobial  
Resistance  
network  
(CAESAR)



# Global AMR Surveillance System specimens and pathogens

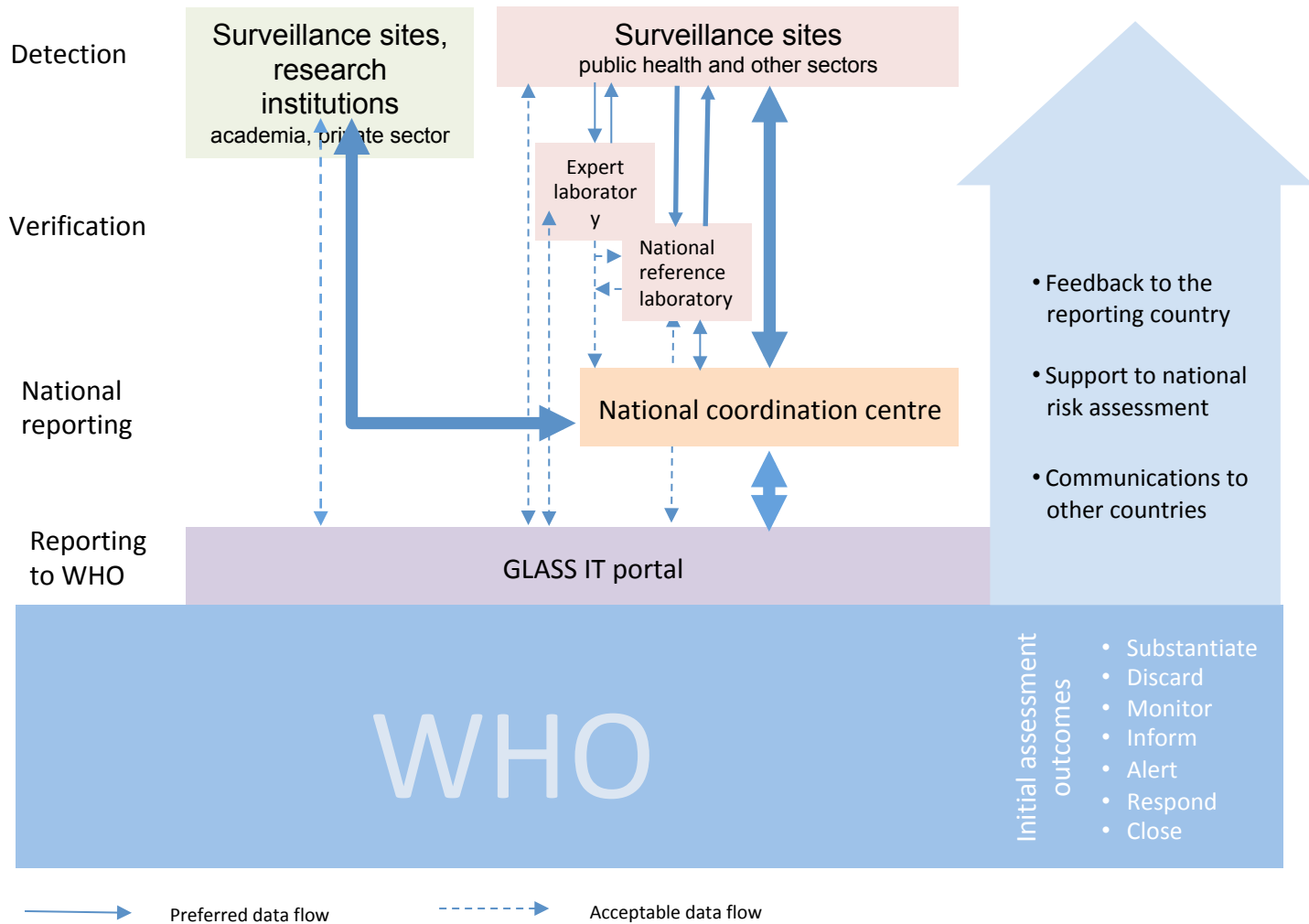
Specimen	Laboratory case definition	Surveillance type and sampling setting	Priority pathogens for surveillance
Blood	Isolation of pathogen from blood <sup>a</sup>	Selected sites or national coverage Continuous Patients in hospital and in the community	<i>E. coli</i> <i>K. pneumoniae</i> <i>A. baumannii</i> <i>S. aureus</i> <i>S. pneumoniae</i> <i>Salmonella</i> spp.
Urine	Significant growth in urine specimen <sup>b</sup>	Selected sites or national coverage Continuous Patients in hospital and in the community	<i>E. coli</i> <i>K. pneumoniae</i>
Faeces	Isolation of <i>Salmonella</i> spp. <sup>c</sup> or <i>Shigella</i> spp. from stools	Selected sites or national coverage Continuous Patients in hospital and in the community	<i>Salmonella</i> spp. <i>Shigella</i> spp.
Urethral and cervical swabs	Isolation of <i>N. gonorrhoeae</i>	Selected sites or national coverage Continuous Patients in hospital and in the community	<i>N. gonorrhoeae</i>

CAESAR



GLASS

# GLASS-EAR Emerging AMR Reporting framework



# Antimicrobial stewardship

- Online course: “Antimicrobial Stewardship: A competency-based approach” (<https://www.openwho.org/>)
- Stewardship courses
- Pilot projects



World Health Organization

Home Channels Courses News Administration

Video lecture: Introduction

Module B: The Principles of Antimicrobial Prescribing

Module C: Pharmacology of Antimicrobials for Clinicians – Select Topics

Module D: Antimicrobial resistance for clinicians

Module E: Antibiotic allergies

Module F: Urinary tract infections

Module G: Community-acquired respiratory tract infections

Module H: Skin and soft tissue infections

Module I: Bloodstream infections

Module J: Antimicrobial

Questions for front-line clinician

Are antimicrobials indicated?

If yes, what drug is the best choice?

How can I limit the societal impact of this antimicrobial use?

World Health Organization Europe Organisation mondiale de la Santé BUREAU REGIONAL DE L'Europe Weltgesundheitsorganisation REGIONALBÜRO FÜR Europa Всемирная организация здравоохранения Европейское региональное бюро

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# Core components of infection prevention and control programmes at the national and acute health care facility level



**Core Component 1**  
**IPC Programme**



**Core Component 2**  
**IPC Guidelines**



**Core Component 3**  
**IPC Training/Education**



**Core Component 4**  
**HAI Surveillance**



**Core Component 5**  
**Multimodal Strategies**



**Core Component 6**  
**Monitoring, audit &  
feedback**



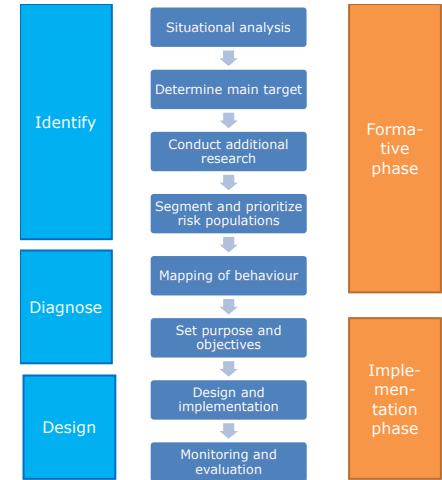
**Core Component 7**  
**Workload, staffing  
& bed occupancy**

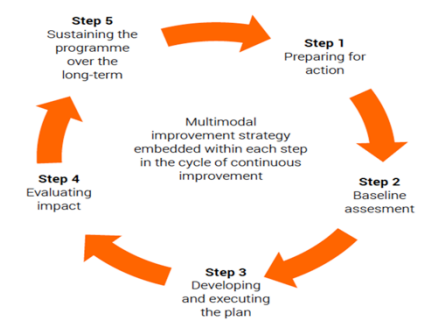
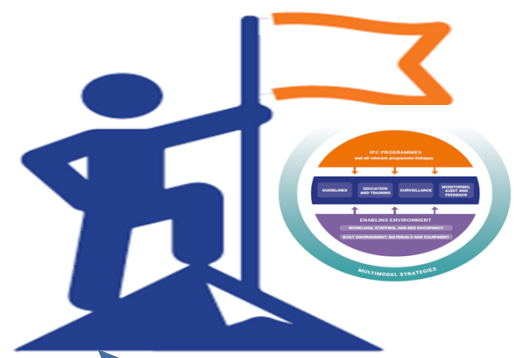
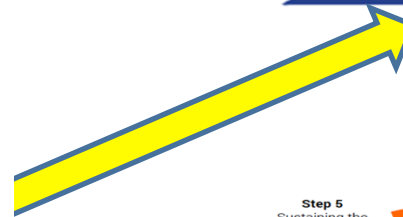


**Core Component 8**  
**Built environment,  
materials &  
equipment for IPC**

# Tailoring AMR Programmes (TAP)

- Knowledge alone not enough to change behaviour
- Methods/tools to design targeted behaviour change campaigns
- Based on behavioural science & social marketing
- Pilot projects
  - Ongoing: Sweden, England, Hungary, Kazakhstan, the former Yugoslav Republic of Macedonia
- Guidance document





	Hospital level	National level	Regional Level	Global Level
Surveillance - AMR - AMC - HAI	Adapt and adopt Data collection Data analysis Feedback Local lab	Guidance National trends Nat Laboratory	Guidance Regional trends Ref Laboratory	Guidance Global trends Ref Laboratory
Antimicrobial Stewardship	Adapt and adopt Monitoring and evaluation	National guidelines	Regional guidelines	Priority Pathogens List of Antibiotic- Resistant Bacteria Updated Essential Medicines List update
Infection Prevention and Control	Adapt and adopt IPC core components	National guidelines	Implementation tools	Guidelines development

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# Thank you for your attention

