



Session 3: ECDC – focus on consumption data and campaign support

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London, 19 September 2017

This presentation



I. ECDC work on AMR

- Brief introduction about ECDC
- ARHAI programme and its networks
- Latest data on consumption/resistance, policy briefing and other ECDC resources
- Collaboration with EMA, EFSA, TATFAR, WAAW and international partners
- II. European Antibiotic Awareness Day (EAAD)
- III. National perspective: UK and Antibiotic Guardian

ECDC – European Centre for Disease Prevention and Control





- An agency of the European Union, located in Stockholm, Sweden
- Founded in 2005; nearly 300 employees in 2017
- European Union (EU) (28) and European Economic Area (EEA)
 (3) = 31 countries with a total of more than 500 mio. people

Our mission and disease programmes



- Identify, assess and communicate current and emerging threats to human health from communicable diseases.
- In the case of other outbreaks of illness of unknown origin, which may spread within or to the Community, the Centre shall act on its own initiative until the source of the outbreak is known.
- In the case of an outbreak not caused by a communicable disease, ECDC shall act only in co-operation with the competent authority upon its request.

- Antimicrobial resistance and healthcare-associated infections
- Emerging and vectorborne diseases
- Food- and waterborne diseases and zoonoses
- Influenza and other respiratory viruses
- Tuberculosis
- HIV/AIDS, sexually transmitted and bloodborne infections
- Vaccine preventable diseases

Core functions of ECDC





- Disease surveillance
- Epidemic intelligence
- Risk assessment
- Scientific advice and guidance
- Response support
- Preparedness and capacity strengthening
- Training

Photo: ECDC

Organisational structure





Office of the Chief Scientist

Surveillance and Response Support Public Health Capacity and Communication Resource Management and Coordination

Chief Scientist

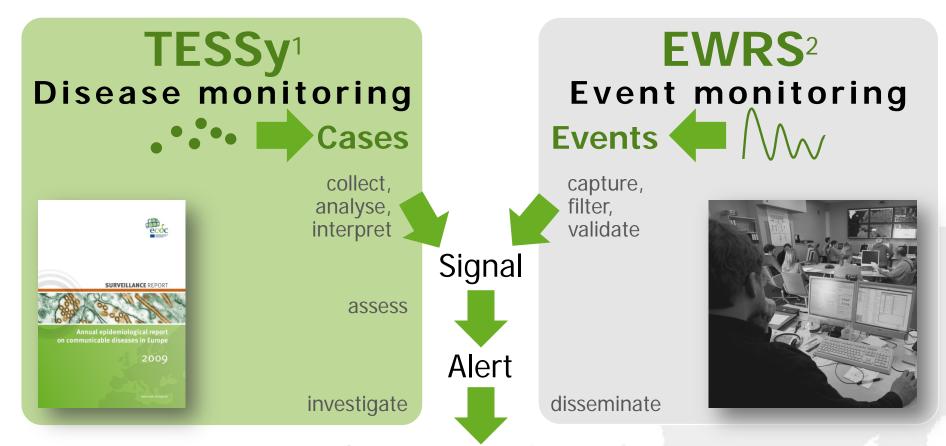
Support

Communication

Coordination

Disease and event monitoring: our health radar





Communicate and control

¹ The European Surveillance System – a database system ² Early Warning Response System

Antimicrobial resistance A threat to patient safety





Each year, in EU/EEA:

(underestimate: only

5 multidrug-resistant bacteria and

4 types of infection)

≈2.5 million attributable extra hospital days

≈25,000 attributable deaths

Update: 2018

Antimicrobial Resistance and Healthcare-Associated Infections (ARHAI) Networks



 European Antimicrobial Resistance Surveillance Network (EARS-Net)

(formerly EARSS, integrated in January 2010)

 European Surveillance of Antimicrobial Consumption Network (ESAC-Net) (formerly ESAC, integrated in July 2011)

 Healthcare-Associated Infections surveillance Network (HAI-Net)

(formerly HELICS / IPSE, integrated in July 2008)

How are surveillance data collected?





EARS-Net (antimicrobial resistance)

Electronically, from laboratory information system (LIS) – isolate level



ESAC-Net (antimicrobial consumption)

Electronically, from medicines agencies / pharmacies / national insurance system – aggregated data



HAI-Net (healthcare-associated infections)

In the wards, at patient bed – patient level



Defined daily doses

(DDD) per 1000 inh. and per day

Country	2015		Trends in antimicrobial consumption, 2011–2015	
Netherlands	10.7		-	
Estonia	11.6		-	
Sweden	12.3		-	
Latvia	13.3		-	
Austria	14.0			
Germany	14.3			
Slovenia	14.5			
Norway	15.8		-	
Denmark	16.1		1	
Lithuania	16.7			
Hungary	17.0			
Finland	17.2		-	
Czech Republic	19.6		·	
Iceland	19.9		-	
United Kingdom	20.1			
Portugal (a)	21.3†		-	
Bulgaria	21.4			
Croatia	21.8			
Malta	22.2			
Spain	22.2†		-	
EU/EEA	22.4			
Slovakia	24.5		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Ireland	25.6			
Poland (a)	26.2			
Luxembourg	26.3		-	
Italy	27.5		~	
Belgium	29.2		-	
France	29.9			
Cyprus	31.1*		~	
Romania	33.3*		-	
Greece	36.1			

Packages

per 1000 inh. and per day

Country	2015		Trends in consumption of antibiotics, 2011–2015	
Sweden	0.99		-	
Denmark	1.58		-	
Estonia	1.68		-	
Latvia	1.71		~~	
Austria	1.73		~	
Finland	1.79		-	
Slovenia	1.94		~	
Spain	1.95†		-	
Lithuania (a (b)	1.98			
Czech Republic	2.00		V	
Iceland (a ^(b)	2.09		/	
Portugal	2.14†		-	
Luxembourg	2.48		-	
Ireland	2.53			
Croatia	2.65			
Belgium	2.76		/	
Bulgaria	3.01			
Slovakia (a ^(b)	3.05			
EU/EEA	3.13		~	
Italy	3.65		√	
Greece	3.89			
France	4 74			



Update with 2016 data: **15 Nov. 2017**

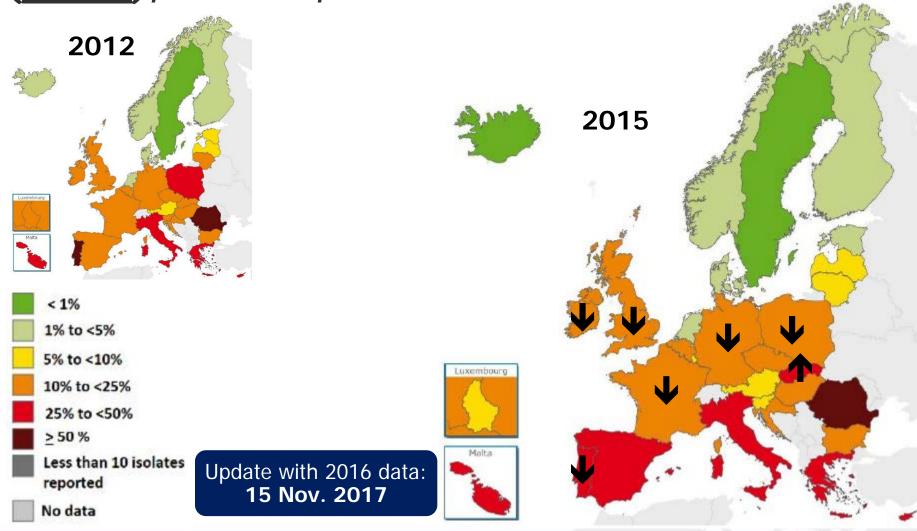
- * Total care data, including the hospital sector.
- † Reimbursement data (i.e. not including consumption without a prescription and other non-reimbursed courses).
- (a) Countries that changed the type of reported data (reimbursement versus sales data) between 2011 and 2015.
- (b) Countries that did not report data for all years during the period 2011–2015.

Consumption of antibiotics for systemic use (ATC group J01) in the community, EU/EEA, 2011-2015



Staphylococcus aureus: % of invasive isolates with resistance to meticillin (MRSA), EU/EEA, 2012 & 2015

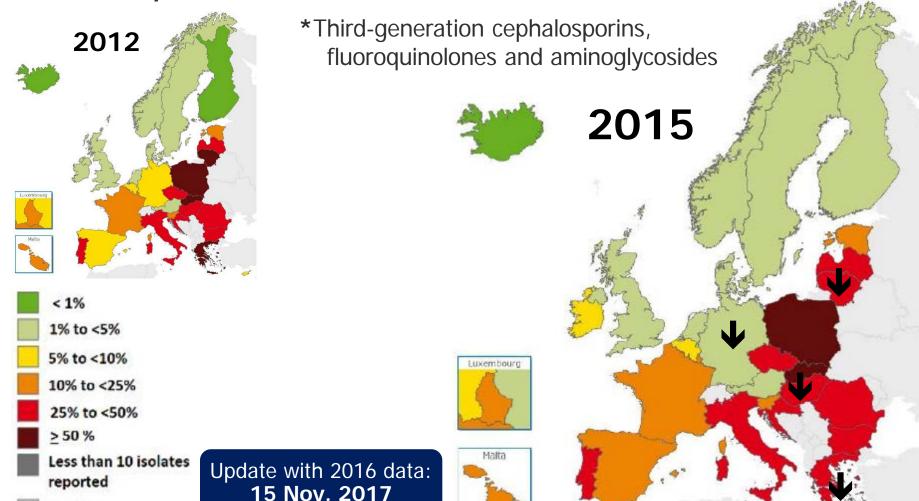




Source: EARS-Net, 2016. The symbols ↑ and ↓ indicate a significant increasing or decreasing trend for the period 2012-2015, respectively. These trends were calculated on laboratories that consistently reported during this period.

Klebsiella pneumoniae: % of invasive isolates with combined resistance* EU/EEA, 2012 & 2015





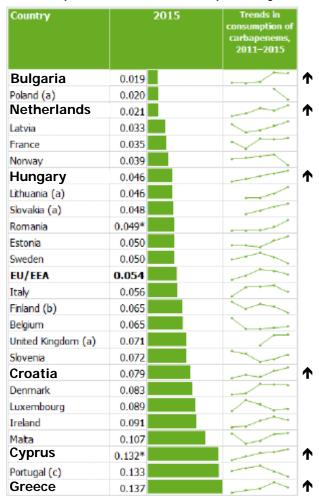
No data

Consumption of last-line antibiotics in the hospital sector, EU/EEA, 2011-2015 (1)



Carbapenems

(DDD per 1000 inh. and per day)

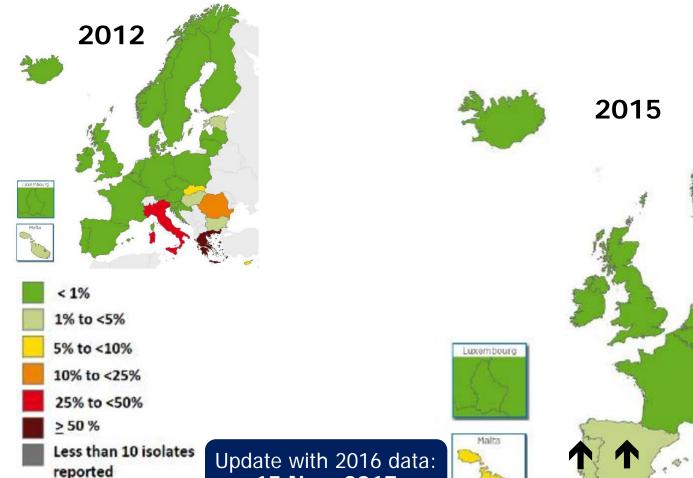


Update with 2016 data: **15 Nov. 2017**

- * Cyprus and Romania: total care data, including consumption in the community. These data were not used to calculate the EU/EEA populationweighted average.
- (a) These countries did not report data for all years during the period 2011–2015.
- (b) Finland: data include consumption in remote primary healthcare centres and nursing homes.
- (c) Portugal: data relate to public hospitals only.

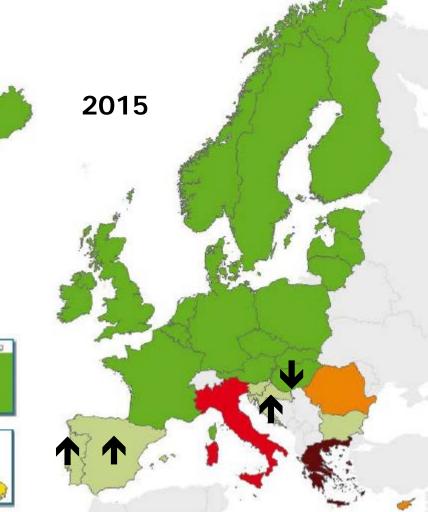
Klebsiella pneumoniae: % of invasive isolates with resistance to carbapenems, EU/EEA, 2012 & 2015





15 Nov. 2017

No data



Consumption of last-line antibiotics in the hospital sector, EU/EEA, 2011-2015 (2)



Carbapenems

(DDD per 1000 inh. and per day)

Country	2015		Trends in consumption of carbapenems, 2011–2015	
Bulgaria	0.019			
Poland (a)	0.020		_	
Netherlands	0.021			
Latvia	0.033			
France	0.035			
Nonway	0.039			
Hungary	0.046			
Lithuania (a)	0.046			
Slovakia (a)	0.048			
Romania	0.049*			
Estonia	0.050			
Sweden	0.050		-	
EU/EEA	0.054			
Italy	0.056			
Finland (b)	0.065		~	
Belgium	0.065		1	
United Kingdom (a)	0.071			
Slovenia	0.072		-	
Croatia	0.079			
Denmark	0.083		-	
Luxembourg	0.089		/	
Ireland	0.091		-	
Malta	0.107			
Cyprus	0.132*			
Portugal (c)	0.133		-	
Greece	0.137			

Polymyxins (mainly colistin)

(DDD per 1000 inh. and per day)

Country		2015	Trends in consumption of polymyxins, 2011–2015
Finland (b)	0		
Lìthuania (a)	0		
Latvia	< 0.001		
Norway	0.0007		
5weden	0.001		1
Netherlands	0.003		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Estonia	0.003		
Bulgaria	0.004		
Luxembourg	0.005		~
Denmark	0.005		
Slovenia	0.005		
United Kingdom (a)	0.006		
Belgium	0.007		\ <u>\</u>
France	0.007		-
Ireland	0.008		
Hungary	0.008		
EU/EEA	0.015		/
Croatia	0.018		
Malta	0.020		
Poland (a)	0.020		/
Portugal (c)	0.022		/
Cyprus	0.023*		
Slovakia (a)	0.024		
Italy	0.027		
Romania	0.034*		
Greece	0.095		

Update with 2016 data: **15 Nov. 2017**

- * Cyprus and Romania: total care data, including consumption in the community. These data were not used to calculate the EU/EEA population-weighted average.
- (a) These countries did not report data for all years during the period 2011–2015.
- (b) Finland: data include consumption in remote primary healthcare centres and nursing homes.
- (c) Portugal: data relate to public hospitals only.







Last-line antibiotics are failing: options to address this urgent threat to patients and healthcare systems

Source: ECDC, 2016

Options to address the threat of bacteria resistant to last-line antibiotics



National multidisciplinary task force (experts, with political support)

Adequate ratio of appropriately trained infection control practitioners

Active screening of 'at risk' patients upon admission to a hospital

Isolation of patients who are carriers of highly resistant bacteria (single rooms, 'cohort wards')

Hand hygiene – the 'single most important measure' to prevent transmission of bacteria in hospitals

Source: ECDC Policy Briefing, 2016.

2nd ECDC point prevalence survey (PPS) of healthcare-associated infections and

antimicrobial use in European acute

care hospitals, 2016-2017

TECHNICAL DOCUMENT

Point prevalence survey of healthcare-associated infections and antimicrobial use in European acute care hospitals

Protocol version 5-3

Outcome indicators (Infections, resistance)

CDI **MRSA** quidance IPC prog quidance quidance Hand hygiene quidance guidance **MRSA** CPF/CRF guidance **VRE** IPC SPIS SPIS Carb-R 3GC-R Hand kpn eco hygiene AMC 3GC-R kpn CDI Hospital Carb-R indicators aci (tbd) **ALERT MDRO**

Guidance

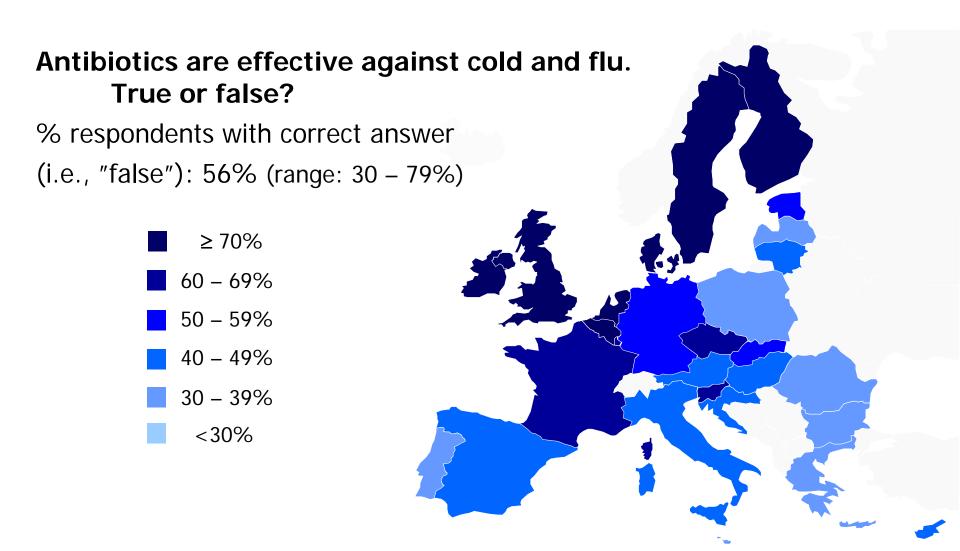
Structure and process indicators (antimicrobial consumption, infection control)

ECDC report: **November 2018**

Source: ECDC, 2015.

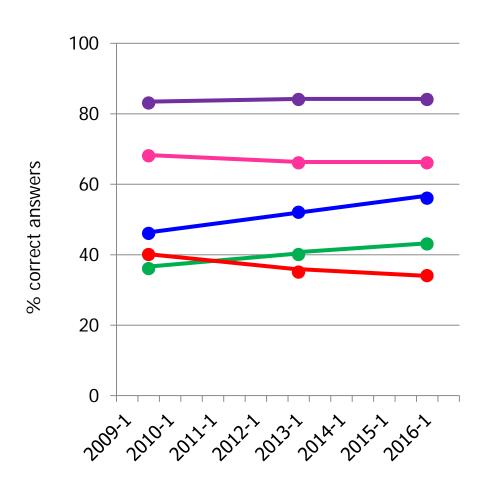
Special Eurobarometer opinion poll, April 2016





Special Eurobarometer "Antimicrobial Resistance", 2010, 2013 & 2016





- Unnecessary use of antibiotics makes them ineffective
- Taking antibiotics often has side-effects such as diarrhea
- Antibiotics are [not] effective against cold and flu
- Antibiotics [do not] kill viruses
- Took antibiotics in the last 12 months

Other sites: ECDC European Antibiotic Awareness Day ESCAIDE - Scientific conference Eurosurveillance journal



European Centre for Disease Prevention and Control

An agency of the European Union

🏰 Infectious diseases & public health News & events Publications & data About us Q

Home > Publications & data > Directory: Guidance on prevention and control

Publications & data

Directory of online resources for prevention and control of antimicrobial resistance (AMR) and healthcare-associated infections (HAI)



The directory lists strategies, guidance documents and training courses on the prevention and control of antimicrobial resistance and healthcare-associated infections available online. These documents were published by ECDC, EU/EEA Member States, international and national agencies and professional societies to support healthcare professionals, hospital administrators and public health professionals. In addition, the directory lists ongoing research projects and their corresponding websites.

ECDC welcomes suggestions and further information on existing guidance. Comments can be provided to: arhal@ecdc.europa.eu .

Guidelines for specific infections and organisms



Prevention and control measures in healthcare settings



World Health Organization - Worldwide country situation analysis: Response to antimicrobial resistance if



About us
What we do
Who we are
Governance
Partnerships and networks

Work with us
Vacancies
Fellowships
Traineeships
Procurement and grants

Contact ECDC
Visit us
ECDC press room
Social media



← Directory: Guidance on prevention and control

Antimicrobial resistance strategies and action plans

Antimicrobial stewardship

Carbapenem-realstant Enterobacteriaceae (CRE)

Clostridium difficile

Hand hyglene

Infections during endoscopic procedures

Methicillin-resistant Staphylococcus aureus (MRSA)

Organisation of Infection prevention and control

Peri-operative antimicrobial prophylaxis

Projects: Antimicrobial resistance and healthcare-associated

Surgical site infections

Training courses on antimicrobial

Training courses on antimicrobial stewardship

Training courses on infection prevention and control (IPC)

Ventilator-associated pneumonia and HAIs

Carbapenem-resistant Enterobacteriaceae





AGENCIES EUROPEAN CENTRE FOR DISEASE PREVENTION AND CONTROL (ECDC)

- · Systematic review of the effectiveness of infection control measures to prevent the transmission of
- carbapenemase-producing Enterobacterlaceae through cross-border transfer of patients (2014)
- . Risk assessment on the spread of carbapenemase-producing Enterobacteriaceae (CPE) through patient transfer between healthcare facilities, with special emphasis on cross-border transfer (2011) θ

US CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)

CDC 2012 CRE Toolkit - Guidance for Control of Carbapenem-resistant Enterobacteriaceae (CRE)#

US Agency for Healthcare Research and Quality (AHRQ)

Carbapenem-resistant Enterobacteriaceae (CRE) Control and Prevention Toolkit #

PROFESSIONAL SOCIETIES

EUROPEAN SOCIETY OF CLINICAL MICROBIOLOGY AND INFECTIOUS DISEASES (ESCMID)

 Suppositions for infection and control of carbapenemase-producing Enteropacteriaceae are part of the guidelines on multidrug-resistant Gram-negative bacteria (ESCMID, 2013)

ESCMID guidelines for the management of the infection control measures to reduce transmission of multidrugresistant Gram-negative bacteria in hospitalized patients #

EU/EEA MEMBER STATES

. Control of carbapenemase-producing Enterobacteriaceae in Austria (Ministry of Health, 2011)

CPE - Carbapenemase produzierende Enterobakterien in Österreich - Carbapenemasen Kontrollieren #

BEI GIUM

· Measures to apply following the emergence of carbapenemase-producing Enterobacteriaceae in Belgium (Hoge Gezondheldsraad/ Consell Supérieur de la Santé. 2011) Mesures à prendre suite à l'émergence des entérobactéries productrices de carbapénémases (CPE) en

Belgique #

Maatregelen te nemen naar aanleiding van de toename van carbapenemase producerende enterobacteriën (CPE) in België#

CZECH REPUBLIC

· Control of Imported cases of colonisation and/or infection by carbapenemase- producing Enterobacteriaceae (Ministry of Health, 2012)

Kontrola výskytu importovaných případů kolonizace a/nebo infekce enterobakteriemi produkujícími karbapenemázu (CPE - Carbapenemase Producing Enterobacteriaceae) #

FINI AND

. Guidance for the handling of infections by multiresistant bacteria. This document includes guidance for infection prevention and control of carbapenem resistant Enterobacteriaceae (Terveyden ja hyvinvoinnin laitos - THL,

Ohje moniresistenttien mikrobien tartunnantorjunnasta.

FRANCE

· Prevention of cross-transmission of emerging highly resistant bacteria. This document includes guidance targeting carbapenemase-producing Enterobacteriaceae (Haut Conseil de la Santé Publique, 2013) Prévention de la transmission croisée des Bactèries Hautement Résistantes aux antibiotiques êmergentes' (BHRe)#

GERMANY

• Infection control measures for infections or colonisation by multidrug-resistant Gram-negative bacteria. This document applies to carbapenem-resistant Enterobacteriaceae (Robert Koch Institute, Commission for Hospital Hyglene and Infection Prevention, 2012)

Hyglenemaßnahmen bei Infektionen oder Besiedlung mit multiresistenten gramnegativen Stäbchen @

· Action plan for the management of infections by multidrug-resistant Gram-negative pathogens in healthcare settings 'Prokroustis' Guidance on infection prevention and control of carbapenem- resistant Enterobacteriaceae is a part of the national action plan. (Hellenic Centre for Disease Control and Prevention, 2010) Σγέδιο δοάσης για την αντιμετώπιση λοιμώξεων από πολυανθεκτικά Gram-αργητικά παθονόνα σε χώρους παροχής υπηρεσιών υγείας 'Προκρούστης' #

HUNGARY

. Guidance of National Center for Epidemiology on identification and prevention of spread of carbapenemaseproducing Enterobacteriaceae in healthcare facilities (National Center for Epidemiology, 2011) Az Országos Epidemiológiai Kőzpont ajánlása a karbapenemáz-termelő enterobacteriaceae tőrzsek azonosítására és terjedésük megelőzésére az egészségügyi intézményekben #

IRFI AND

· Guidance for detection and infection prevention and control of carbapenem-resistant Enterobacteriaceae is part of the guidelines on multidrug-resistant organisms (Royal College of Physicians / HSE Quality and Safety, 2012) Guidelines for the Prevention and Control of Multi-drug resistant organisms (MDRO) excluding MRSA in the healthcare setting #

ITALY

Surveillance and control of infections caused by carbapenemase producing bacteria (CPE) (Ministry of Health

Sorveglianza, e controllo delle infezioni da batteri produttori di carbapenemasi (CPE)#

LUXEMBOURG

 Control of the spread of multidrup-resistant bacteria: carbanenemase-producing Enterobacteriaceae (CPE) (Groupe National de Guidance en matière de Prévention de l'Infection Nosocomiale - GNPIN, 2013) Maîtrise de la diffusion de bactéries multirésistantes aux antibiotiques : Entérobactéries productrices de carbapénémases (EPC) is

NETHERLANDS

 Guidelines for multidrug-resistant microorganisms (MDRO). This document includes guidance for infection. prevention and control of carbapenem resistant Enterobacteriaceae. (Working Party on Infection Prevention, National Institute for Public Health and the Environment, 2011; updated 2013) WIP-richtlijn BRMO (Bijzonder Resistente Micro-Organismen) #

NORWAY

· Prevention and control of transmission of multidrug-resistant Gram-negative and ESBL-producing bacteria in healthcare facilities. This document applies to carbapenemase-producing Enterobacteriaceae. (Norwegian Institute of Public Health, 2009)

Forebygging og kontroll av spredning av multiresistente gramnegative stavbakterier og ESBL-holdige bakterier i helseinstitusjoner #

POLAND

. Recommendations for the control of sporadic cases and outbreaks caused by Gram negative bacteria of the family Enterobacteriaceae. . This document focuses on carbapenemase-producing Enterobacteriaceae. (Ministry of Health, 2012)

Zalecenia dotyczące postępowania w przypadku zachorowań sporadycznych i ognisk epidemicznych wywołanych przez Gram ujemne pałeczki z rodziny Enterobacteraceae #

SLOVAKIA

. Guidance for the diagnosis, prevention and control of infections by bacteria with clinically and epidemiologically Important resistance mechanisms. This document includes guidance targeting MRSA (Ministry of Health, 2014) OU MZ SR pre diagnostiku a protiepidemické opatrenia pri výskyte bakteriálnych pôvodcov infekčných ochorení s klinicky a epidemiologicky významnými mechanizmami rezistencie 🛭

SLOVENIA

 Recommendations for the control of ESBL-positive bacteria and carbapenemase-positive bacteria (Ministry of Health - National Commission for the prevention and control of healthcare associated infections, 2010) Priporočila za preprečevanje širienia ESBL pozitivnih bakterij in karbapenemaza pozitivnih bakterij in

· Prevention and control against infection with carbapenemase-producing Enterobacteriaceae (Autonomous Community of Madrid, 2013)

Plan de Prevencion y control frente a la infeccion por enterobacterias productoras de carbapenemasas (EPC) en la Comunidad de Madrid®

SWEDEN

 ESBL-producing enterobacteria - - Knowledge base with draft notices to limit the spread of Enterobacteriaceae with ESBL. This document applies to carbapenemase-producing Enterobacteriaceae (Public Health Agency of

ESBL-producerande tarmbakterler - Kunskapsunderlag med förslag till handläggning för att begränsa spridningen av Enterobacteriaceae med ESBL #

UNITED KINGDOM

 Expert advice on the management of colonisation or infection due to carbapenemase-producing Enterobacteriaceae in England, to prevent or reduce their spread into (and within) health and residential care settings (Public Health England, 2013)

Acute trust toolkit for the early detection, management and control of carbapenemase-producing Enterobacteriaceae @

. Set of recommendations based on scientific evidence (where available) and consensus of expert opinion to prevent cross-transmission of carbapenemase-producing Enterobacteriaceae within acute healthcare settings in Scotland. Supporting materials include, e.g. a prevention and management toolkit for inpatient areas (Health Protection Scotland, 2013)

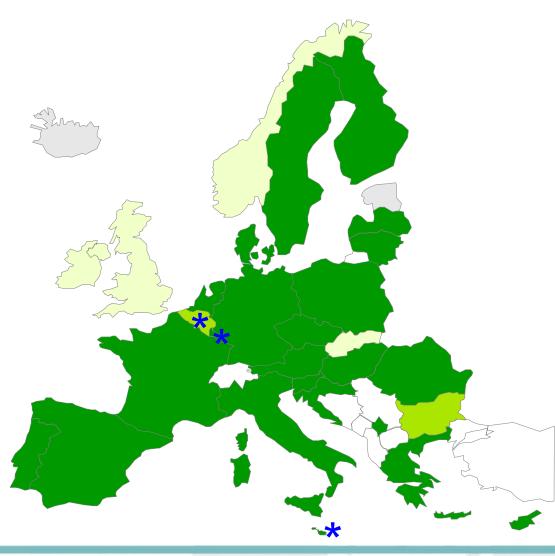
Interim guidance: Non-prescribing control measures to prevent cross transmission of Carbapenemase-Producing Enterobacteriaceae in acute settings#

Country visits to discuss antimicrobial resistance (AMR) issues, 2006-2017



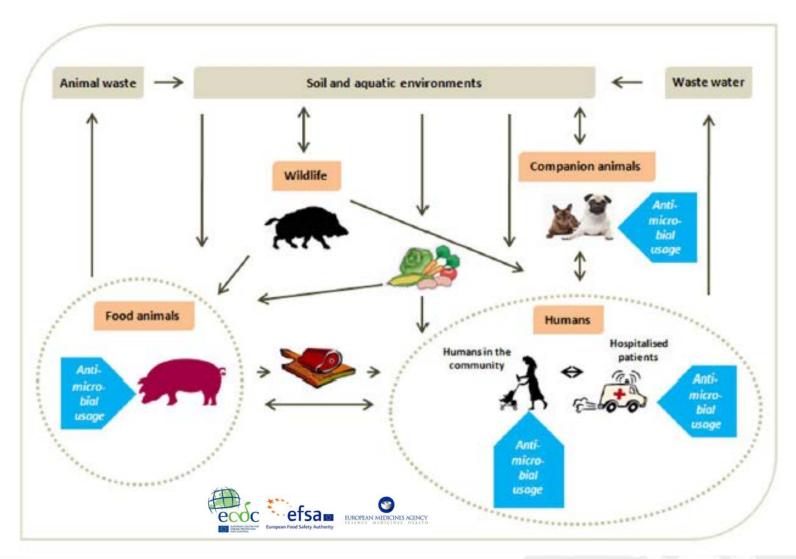
As of 8 September 2017

- Done
- Planned (invitation received)
- Discussed
- ★ Jointly with DG SANTE/F
- Based on Council Recommendation of 15 November 2001 on the prudent use of antimicrobial agents in human medicine (2002/77/EC)
- Reports (observations, conclusions, suggestions, examples of best practice)
- 22 EU Member States and
 1 EU enlargement country (see map)
- 5 follow-up visits (Greece x 2 and Hungary x 2, Malta)
- 2017: 1 additional visit (Belgium)
- 2018: 6 visits* jointly with DG SANTE/F, in a One Health perspective



Resistance spreads among humans, animals and the environment





Collaboration between ECDC, EMA and EFSA

I. Together we paint the big picture of antibiotic resistance in the EU

- II. We turn data into evidence for rational policymaking
- III. We help make the EU a best practice region in the fight against AMR
- IV. We help fight antibiotic resistance through research, development and innovation

2nd Joint Interagency Antimicrobial Consumption and Resistance Analysis (JIACRA) Report, 2017











Published 29 July 2017.

International partners









Public Health Agency of Canada

Agence de la santé publique du Canada



AUSTRALIAN
COMMISSION
ON SAFETY AND
QUALITY IN
HEALTH CARE







Q

CDC A-Z INDEX ~

Transatlantic Task Force on Antimicrobial Resistance (TATFAR)







TATFAR Purpose



The Transatlantic Taskforce on Antimicrobial Resistance (TATFAR) was created in 2009 with the goal of improving cooperation between the U.S. and the EU in three key areas: (1) appropriate therapeutic use of antimicrobial drugs in medical and veterinary communities, (2) prevention of healthcare and communityassociated drug-resistant infections, and (3) strategies for improving the pipeline of new antimicrobial drugs.



ABOUT TATFAR



TATFAR PROGRESS REPORT 2014



TATFAR MEMBERS



TATFAR LINKS AND RESOURCES



Transatlantic Taskforce on Antimicrobial Resistance: May 2014



LATEST NEWS



EU, U.S., Canada, Norway

CONTACT



Recommendations for future collaboration between the US and EU

2016-2020

Page last reviewed: July 14, 2014

Page last updated: July 14, 2014

Content source: Centers for Disease Control and Prevention

Thank you!





18 November 2017

EU event, Brussels, 15 November 2017

E-mail: <u>EAAD@ecdc.europa.eu</u>

Website: http://antibiotic.ecdc.europa.eu

Facebook: EAAD.EU

Twitter: @EAAD_EU (#EAAD)
Global Twitter: #AntibioticResistance



WORLD ANTIBIOTIC AWARENESS WEEK



This presentation



I. ECDC work on AMR

II. European Antibiotic Awareness Day (EAAD)

- European Antibiotic Awareness Day
- Available campaign materials
- New toolkit for professionals in hospitals and other healthcare settings
- Ways for your organisation to contribute to EAAD in 2017

III. National perspective: UK and Antibiotic Guardian

European Antibiotic Awareness Day



- A European health initiative coordinated by ECDC.
- Launched in 2008 with support from the European Commission, European Parliament, EU Member States and non-governmental health stakeholders across the EU.
- European Antibiotic Awareness Day is marked across Europe on 18 November.
- The campaign builds on **successful national campaigns** to raise awareness about the threat to human health of antibiotic resistance and communicate about prudent use of antibiotics.

EAAD objectives



- Support national activities aimed at raising awareness of prudent antibiotic use among the general public as well as particular target audiences such as primary care prescribers and prescribers in hospitals and other healthcare settings.
- Support national activities aiming at maintaining the efficacy of antibiotics and slowing down the emergence and spread of resistant bacteria.

European Antibiotic Awareness Day provides a platform and support to national campaigns about prudent antibiotic use in the community and in hospitals.

Target audiences/topics so far





General public



Self-medication with antibiotics



Hospital prescribers



Primary care prescribers

European Antibiotic Awareness Day, 2008-2017

2008	Toolkit for the general public 32 countries participated
2009	Toolkit for primary care prescribers
2010	Toolkit for hospital prescribers and and hospitals
	Matched Get Smart week in the U.S. and the campaign in Canada
2011	Patient stories and Euronews movie Social media guidance
	37 countries participated
2012	Collaboration with WHO/Europe: 43 countries participated First EAAD Twitter chat Australia becomes a partner
2013	Start work on self-medication with antibiotics, with PGEU and CPME
	Training module and pilot course
2014	Toolkit for the general public on self-medication with antibiotics
	New Zealand becomes a partner European Twitter chat + Global Twitter conversation
2015	Participation in the first WAAW
2016	Start work on the update of the toolkit for hospital prescribers with professional organisations

Policy briefing on AMR, translated in all EU languages

Event marking the 10th European Antibiotic Awareness Day

Toolkit for professionals in hospitals

2017



A European Health Initiative





COLD? FLU?

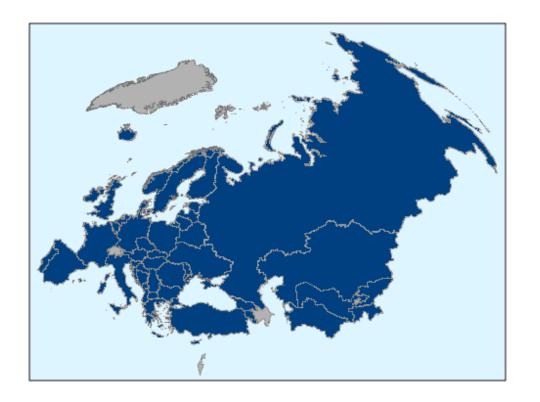


GET WELL WITHOUT ANTIBIOTICS



For more information, visit antibiotic.ecdc.europa.eu

45 European countries join WAAW / EAAD (15 non-EU countries)

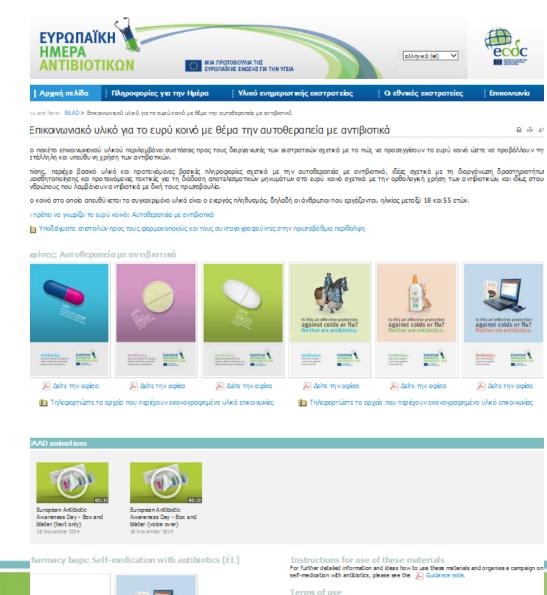


Albania, Armenia, Bosnia and Herzegovina, Georgia, Kazakhstan, Kyrgyzstan, Kosovo*, Republic of Moldova, Russian Federation, Serbia, Tajikistan, The former Yugoslav Republic of Macedonia, Turkmenistan, Turkey, Ukraine, Uzbekistan

Toolkit on self-medication with antibiotics



- Key messages
- Template letters to pharmacists and primary care prescribers
- Posters
- Animation
- Visual for pharmacy bag



See visuals [EL]

Antibiotics

Permission to use the European Antibiotic Awareness Day campaign communication materials is

granted to all non-profit organizations and healthcare associations as well as all European

Visuals

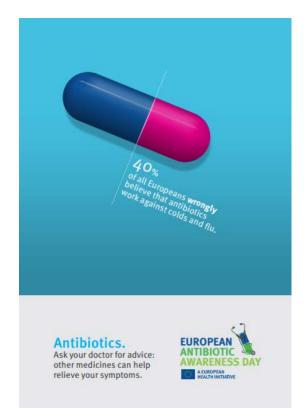






Use them wisely – and never against colds and flu.







Antibiotics. Use them wisely – and never against

colds and flu.



New EAAD toolkit for professionals in hospitals and other healthcare settings



- Expansion of the target audiences
- **Literature review** of published guidelines, systematic reviews and original articles for the object of interest to update key messages.
- **Consultation** with experts, ECDC networks, the European Commission, WHO Europe and professional organisations.
- Focus groups in 6 countries.
- Timing of the launch: to the countries in April/May, publicly available on the EAAD website as from October, with the key messages translated in all EU/EEA languages.

The template materials in this toolkit



- Aim at creating a sense of individual responsibility in tackling antibiotic resistance and at empowering professionals to take action.
- Include one slogan, linking all materials: "Antibiotics: handle with care".
- Are based on scientific evidence, in the form of key messages.
- Are available in Adobe InDesign, Microsoft Word and Microsoft PowerPoint, which makes it easy to adapt them by anyone with experience in any of these three softwares.
- Need to be adapted to national contexts to better respond to specific communication needs.

What is in the new toolkit?



- Key messages + guidance document
- **Infographic** on antibiotic stewardship (all target audiences)
- **Letters** for hospital managers, hospital prescribers, nurses, hospital pharmacists, infectious disease specialists, clinical microbiologists
- **Presentation** (all target audiences)
- **Leaflets** for hospital prescribers, infection control teams, nurses, physicians in long-term care facilities
- **Checklists** general to be used by hospital pharmacists, junior doctors, microbiologists.
- Posters for hospital prescribers adaptable for e.g. intensivists, emergency departments.
- **Factsheet** general for hospital pharmaceutical committees and hospital antibiotic stewardship committees.
- **Template social media info cards** / fact cards / support cards

Key messages are the cornerstone of any communication campaign. They provide a set of water-tight statements, each of which is accompanied by a reference, that will be used as basis for the content of the template materials.





Up to half of all antibiotic use Antibiotics: in hospitals is unnecessary or handle with care! inappropriate



As a hospital prescriber, you have a responsibility to use ant and to ensure that they remain effective. In your role, you mu



Follow infection prevention and control guidance;



Initiate antibiotic treatment as soon as possible in patients with severe infection;



Ensure that relevant cultures are taken timely;



Re-evaluate treatment after 48-72 hours, or when results from microbiological samples are available



Prescribe according to evidence-based hospital antibio for common infections and for surgical prophylaxis;



Inform your patients of any antibiotics prescribed, and their potential adverse effects.











Posters

Antibiotic resistance keeps increasing Antibiotics: in Europe, threatening patient safety handle with care! in all healthcare settings

As a nurse, you have a responsibility to use antibiotic prudently a ensure that they remain effective. In your role, you must:



Follow infection prevention and control guidance



Administer antibiotics to patients according to the prescription



Coordinate the taking and sending of microbiological specimen and their reporting back to physicians



Report adverse effects of antibiotic therapy to physicians and to appropriate review committees



Manage antibiotic stocks on your ward, and ensuring the tracea of antibiotic use



Provide information on treatments to patients and families



Our hospital

In this hospital we are committed to use antibiotics prudently and to ensure that they remain effective



We follow infection prevention and control guidance;



We initiate antibiotic treatment as soon as possible in patients with severe infection:



We ensure that relevant cultures are taken timely:



We re-evaluate treatment after 48-72 hours, or when results from microbiological samples are available;



We prescribe according to evidence-based hospital antibiotic guidelines for common infections and for surgical prophylaxis:



We inform our patients of any antibiotics prescribed, and their potential adverse effects.





















Did not know that up to half of all ambitio use in knobble is unnecessary or inappropriate

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Letters









id you know that **up to half** of all antibiotic use in hospitals is unnecessary or inappropriate

As a nurse, you have a responsibility to support prudent use of antibiotics in your hospital and to ensure that these drugs remain effective. There are actions that you can take to tackle antibiotic resistances

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Inform this prescriber or pharmactic If you see a patient has an antibiotic prescription which has continued beyond severe days without specified duction.

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Antibiotic resistance: You are responsible to ensure that antibiotics remain effective

This checklist is supported by scientific evidence. Visit http://antibiotic.ecdc. europa.eu or scan the QR code.













Does the patient have an infection that will respond to antibiotics? Have you checked the patient's recent antibiotic use,

drug allergies, hospitalisation or institutionalisation, use of immunosuppressive therapy and microbiology results for the previous 3 months?

Is the patient on the right antibiotics, dosage, and route of administration?

Can an antibiotic with a narrower spectrum be used to treat the infection?

Have you prescribed the shortest possible duration of treatment?

Have the appropriate cultures been taken?

Do the culture results necessitate starting antibiotic therapy or modifying ongoing the current antibiotic therapy?

Have you documented the indication of antibiotic treatment, drug choice, dosage, route of

administration and duration of treatment in the patient chart?

Does the choice of antibiotic therapy comply with your hospital's guidelines?

Does the choice of antibiotic therapy comply with your hospital's antibiotic resistance patterns?

If you have doubts, consult [antibiotic stewardship programme, mcrobiologist, infectious disease specialist] in our hospital. Contact [email address] or call [phone number]. See more information at /EAAD website].



· Antibiotic resistance is a global public health threat that can affect everyone: you, me,

. Without antibiotics, we will not be able to treat

our family members.

simple infections.

workingt

European Antibiotic Awareness Day



 You have a responsibility to keep antibiotics Website antibiotic/ecdc.europa.eu Email exadepecds europa.eu C follow us on Twitter (DEAAD EU

European Antibiotic Awa is marked each year on or around O Like our Facebook page











Nurses



Antibiotics: handle with care!

- Resistance to antibiotics keeps increasing. This issue threatens the health and safety of patients in all healthcare settings in Europe.
- The emergence of bacteria resistant to multiple classes of antibiotics is particularly concerning, as they can be evere, costly and even fatal.
- Up to a half of all antibiotic use in ospitals is unnecessary or inappropriate.
- You are responsible to ensure that tiblotics remain effective

Actions that you can take to tackle antibiotic resistance:

As a nurse, you have a responsibility to ensure that antibiotics remain effective. In your role,

· Improve antibiotic administration practices in collaboration with doctors and pharmacists.

· Follow infection prevention and control measures that are established in your setting.

 Ensure that patients (and their families) understand the reason for antibiotic therapy, and key points related to antibiotic use, including to:

- a. take antibiotics exactly as prescribed;
- b. never save antibiotics for later use; c. never use leftover antibiotics from
- previous treatments; and d. never share leftover antibiotics with other
- · Ensure that cultures are appropriately taken and send to the microbiology laboratory,
- before starting antibiotics. . Ensure that laboratory results are promptly communicated to the treating physician.

- · Promot prescribers to document their reviewing decision for all patients on antibiotics after 48-72 hours.
- Inform the prescriber or pharmacist if you see a patient has an antibiotic prescription which has continued beyond seven days without specified duration.
- · Participate regularly in training courses and meetings on prudent antibiotic use, specimen collection, and infection prevention and control.



Leaflets

Factsheet







Plan a campaign

For prescribers

Get informed

Get involved

Campaigns in Europe

News

About

Do not self-medicate with antibiotics

New infographic

Patient stories

Last-line antibiotics are failing

What is antibiotic resistance?

Last-line antibiotics are failing show latest data

TWEET #EAAD2016

#EAAD2016





Oxford Medicine @OUPMedicine

Join the fight against antibiotic resistance on #EAAD2016 @EAAD bit.ly/2fXWhRs @BSACandJAC @FEMSTweets







What is antibiotic resistance and prudent antibiotic use? How to use antibiotics responsibly?

See patient stories, infographics, videos



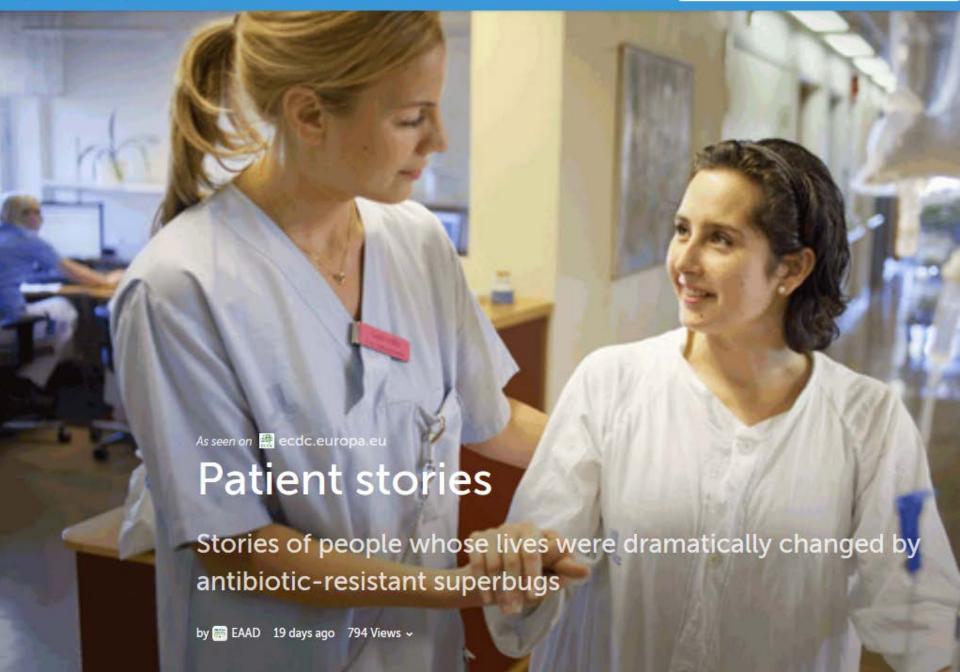
How to encourage your patients to use antibiotics responsibly? And how to manage antibiotic prescriptions in hospitals? Materials for primary care and hospitals prescribers

How does antibiotic resistance spread? Antibiotic resistance is the ability of bacteria to combat the action of one or more antibiotics. Humans and animals do not become resistant to antibiotic treatments, but bacteria carried by humans and animals can.









Ways for your organisation to contribute to EAAD in 2017



- Acting as multipliers of the EAAD messages, e.g. by using and sharing further the new toolkit and any other EAAD materials.
- 2. Sharing information about EAAD with your national member organisations.
- Adding a banner on your website & communicating via your organisation's newsletter.
- 4. Attending the **launch event** in Brussels on 15 November, and making a short intervention about your organisation's role in tackling antibiotic resistance.
- Contributing to the discussions on site and through social media using #EAAD.
- 6. Taking part and promoting participation to ECDC's social media campaign.
- 7. Producing a **video pledge**.
- 8. Contributing with an entry on the **EAAD blog**, starting in 2018

Thank you!





18 November 2017

EU event, Brussels, 15 November 2017

E-mail: <u>EAAD@ecdc.europa.eu</u>

Website: http://antibiotic.ecdc.europa.eu

Facebook: EAAD.EU

Twitter: @EAAD_EU (#EAAD)
Global Twitter: #AntibioticResistance



WORLD ANTIBIOTIC AWARENESS WEEK

