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Research and Scientific Studies

Association of antimicrobial resistance with climate warming in Europe

International Journal of Hygiene and Environmental Health

The study provides first evidence on the association between increased temperatures and AMR in invasive bacterial isolates in Europe and recommends the use of socio-economic variables other than GDP in AMR modeling of European countries.

Universal health coverage: an opportunity to address antimicrobial resistance?

The Lancet Global Health

Strengthening systems for prevention and management of infection will be of mutual benefit for both AMR control and universal health coverage goals. If antimicrobial resistance is not controlled, health care will become more difficult, less effective, and more expensive.

The second-hand effects of antibiotics: communicating the public health risks of drug resistance

British Society for Antimicrobial Chemotherapy

A study shows how nine in ten of used make-up products are harbouring potentially deadly bacteria.

We Need More than New Antibiotics to Fight Resistance

The Scientist

Physicians, academic researchers, pharmaceutical companies, funding organizations, and the public need to recognize the importance of pursuing other interventions alongside finding new antibiotics.
Antimicrobial resistance and climate change: Two wicked problems

The Economist

According to Dame Sally Davies, the UK’s special envoy on AMR, the threat posed by AMR is equivalent to that of climate change and deserves the same level of attention from the public and policymakers alike.

READ MORE

World Antibiotic Awareness Week: Lack of access

Down to Earth

Shortage of first-line antibiotics, which are essential to treat a wide range of common infections, is a major public health threat. Policymakers need to secure a stable supply of all essential antibiotics and help save lives.

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Drug-resistant staph spreads easily in households

Reuters Health

The superbug MRSA (methicillin-resistant Staphylococcus aureus) can spread easily from people to household pets, according to a new study that underscores the importance of frequent handwashing.

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Antibiotic awareness: States need to do more to dispose unused medicines

Down to Earth

Government must introduce stringent rules as unused antibiotics continue to be dumped in the open, adding to India’s burden of AMR.

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Superbugs: last call for action

Euractiv

Globally, 700,000 deaths each year can be attributed to infections resulting from antimicrobial resistance, which are as many as other infectious diseases that are global threats.

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Community pharmacy teams are key in antimicrobial stewardship

Global Cause

Community pharmacy teams help with self-care and advising patients about antibiotics dispensed.

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EU fight against antimicrobial resistance: little progress to date, say Auditors

European Court of Auditors

The report considers EU support valuable but little progress has been made in the human health dimension with little evidence that the health burden of AMR has been reduced in the EU. There is potential for further synergies to support the fight against AMR through targeted, cost-effective investments, and gaps in the monitoring of progress and surveillance of healthcare-associated infections.

What do European healthcare workers know about antibiotics and antibiotic resistance?

European Centre for Disease Prevention and Control

Results of the first multi-country and multi-professional study across 30 EU/EEA countries on the knowledge, attitudes and behaviours of healthcare workers regarding antibiotics, antibiotic use and AMR, show that overall, healthcare workers are aware that prescribing, dispensing or administering antibiotics can influence the emergence and spread of AMR yet only 58% of respondents believed that they have a key role in helping control this growing threat.

Surveillance of antimicrobial resistance in Europe 2018

European Centre for Disease Prevention and Control

According to the ECDC surveillance report for the period 2018, despite the political prioritization of AMR, the availability of evidence-based guidance for antimicrobial stewardship, adequate microbiological capacity and infection prevention and control, public health action to tackle AMR remains insufficient.

Antimicrobial consumption: annual ECDC epidemiological report for 2018

European Centre for Disease Prevention and Control

The report shows that during the period 2009–2018, there are some decreasing trends in antimicrobial consumption observed in 11 EU/EEA countries and increasing trends noted in 4 countries.

World Bank report on AMR ‘Pulling Together to Beat Superbugs: Knowledge and Implementation Gaps in Addressing Antimicrobial Resistance’

World Bank Group

The two key findings of the report are that AMR should be reframed as a global development problem and that AMR interventions in country-specific contexts are often the most cost-effective method of taking action.
World Antibiotic Awareness Week - Antibiotics: Handle with Care

World Health Organization

Yearly, WAAW seeks to increase public awareness of global antibiotic resistance and to encourage best practices among the general public, health workers and policymakers to avoid the further emergence and spread of AMR.

European Medicines Agency releases 9th European Surveillance of Veterinary Antimicrobial Consumption report

European Medicines Agency

The EMA report shows that European countries continue to reduce the use of antibiotics in animals whereby the overall sales of veterinary antibiotics across Europe dropped by more than 32% between 2011 and 2017.

Design contest to find the first global Antibiotic Resistance Symbol

European Union Joint Action on Antimicrobial Resistance and Healthcare-Associated Infections

A design contest was launched to find the symbol that best represents the global threat of AMR. Entries will be accepted until the 31st of March 2020.

Time is running out - technical note on AMR

UNICEF

The note identifies UNICEF’s response to AMR and its impact on child survival, growth and development and UNICEF’s AMR-specific and AMR-sensitive actions in reducing infections, promoting access to and optimal use of antimicrobials, and increasing AMR awareness and understanding.

Antibiotic consumption in Belgian acute care hospitals

Eurosurveillance

Antibiotic consumption in Belgian acute care hospitals remained stable over consecutive years despite several initiatives to lower the selection pressure for multidrug-resistant organisms. The high variation in antibiotic consumption across Belgian acute care hospitals should also be further investigated.
AMR One Health Network meets again in Brussels

European Commission

The EU AMR One Health Network, chaired by the European Commission, met in Brussels for its bi-annual meeting. Several presentations by EU agencies, selected Member States. The next meeting of the EU AMR One-Health Network will take place early 2020.

Pharmaceutical Residues in Freshwater

Organisation for Economic Co-operation and Development

The report outlines a collective, life-cycle approach to managing pharmaceuticals in the environment.

National Developments

165 new antibiotic resistant infections every day in England

Public Health England - Press Release

Public Health England (PHE)’s latest English Surveillance Programme for Antimicrobial Utilisation and Resistance (ESPAUR) report shows that there were an estimated 61,000 antibiotic resistant infections in England during 2018 - a 9% rise from 2017.

National Media

Revealed: the deadly superbugs lurking in your make up bag

The Telegraph

Superbugs should be entered as a cause of death on death certificates, say experts

The Telegraph
**Civil society**

**European community pharmacists call for action to reduce the impact of pharmaceuticals in the environment**

The Pharmaceutical Group of the European Union – PRESS RELEASE

Urging the European Commission to encourage action in third countries where pharmaceutical emissions from manufacturing and other sources contribute to the global spread of AMR.

[READ MORE]

**Establishment of a One Health Global Leaders Group on AMR as recommended by the United Nations ad hoc Interagency Coordination Group**

Antibiotic Resistance Coalition

EPHA joined members of the Antibiotic Resistance Coalition in responding to the WHO public consultation process which closed on 8 November 2019 to elicit feedback on the proposed terms of reference for establishing a One Health Global Leadership Group on AMR.

[READ MORE]

**Reframing Resistance - how to communicate about antimicrobial resistance effectively**

Wellcome Trust
A new report aims to guide experts, communicators and practitioners to communicate AMR more effectively to ensure that the public understands and supports action to fight drug-resistant infections.

**We need public health principles for sustainable access to novel antibiotics**

ReAct

The policy brief highlights that as public sector funding is needed both to pay for the development of new antibiotics and for reimbursement once such products are approved, public health principles should govern the development of new antibiotics to safeguard public interest.

**A joint call to shape future policy on patient safety and healthcare-associated infection prevention and control**

Health First Europe

5 reasons to act on healthcare associated infections prevention and control.

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**Past and Upcoming Events**

**12th European Antibiotic Awareness Day (EAAD) launch event**

European Centre for Disease Prevention and Control, in cooperation with the European Commission