Antibiotic Awareness Week – Current Awareness

13-19 November 2017 is World Antibiotic Awareness Week, during which WHO aims to raise awareness of the escalating problem of antimicrobial resistance – something both professionals and the public should be mindful of year round.

To keep you up to date, Imperial College Library has compiled a selection of the latest evidence in this important area including guidance, research, e-learning, patient information & more.

Guidelines, Guidance and Toolkits

Reducing the impact of serious infections CQUIN
NHS Improvement, 2017

EU guidelines for the prudent use of antimicrobials in human health
European Centre for Disease Prevention and Control, 2017

NICE guideline [NG63]: Antimicrobial stewardship: changing risk-related behaviours in the general population
NICE Guidance, 2017

Antibiotic awareness: toolkit for healthcare professionals in England
Public Health England, 2017

Antibiotic awareness key messages 2017
Public Health England, 2017
Evidence Summaries & Reviews

Antimicrobial stewardship in outpatient settings
UpToDate, October 2017

Antimicrobial stewardship in hospital settings
UpToDate, November 2017

Antibiotics
Dynamed, March 2017

Antimicrobial stewardship
Dynamed, August 2017

Approach to rational antibiotic use in the outpatient setting
Dynamed, July 2017

Not in my backyard: a systematic review of clinicians' knowledge and beliefs about antibiotic resistance

Carefully managed antibiotic use could halve antibiotic-resistant infections
National Institute for Health Research, October 2017

WHO issues warning about rise of drug-resistant gonorrhoea
NHS Choices, July 2017

Harnessing 'brute force' could be key to creating new antibiotics
NHS Choices, February 2017

Antibacterial agents in clinical development: analysis of the antibacterial clinical development pipeline, including tuberculosis
World Health Organisation 2017

Proposals for EU guidelines on the prudent use of antimicrobials in humans
European Centre for Disease Prevention and Control

Information for Patients

Antibiotics
NHS Choices, June 2016

Antibiotic Awareness Campaign
NHS Choices, October 2015
Antimicrobial stewardship: systems and processes for effective antimicrobial medicine use: information for the public
NICE, August 2015

How long will I be infectious after starting antibiotics?
NHS Choices, July 2017

Antibiotic resistance: fact sheet
World Health Organisation, November 2017

Antibiotics aren’t always the answer
Centers for Disease Control and Prevention, November 2016

Treating your infection
Public Health England, November 2015

Antibiotics 'may be lost' through overuse, says chief medical officer
BBC News, October 2017

Tackling antibiotic resistance through education
Huffington Post, December 2016

Antibiotic guardian
Antibiotic Guardian, 2017

e-bug: fun games and teaching resources about microbes and antibiotics
Public Health England, 2017

Sing happy birthday twice while washing your hands, say pharmacists
The Guardian, September 2017

E-Learning and Training

Antimicrobial resistance
e-Learning for Healthcare, 2017 (sign in with your OpenAthens account)

Antimicrobial stewardship: managing antibiotic resistance
FutureLearn (free to access course content)

Antimicrobial stewardship
Centre for Pharmacy Postgraduate Education (requires CPPE account)
Recent Journal Articles

Many articles are available with your NICE OpenAthens account - sign in when prompted. Articles marked “Library PCs” are accessible on library computers.

**Suppressive drug combinations and their potential to combat antibiotic resistance.**
Singh N., Yeh P.J. *Journal of Antibiotics*. 2017. 70 (11) pp 1033-1042. (OpenAthens)

**Pharmaceutical Approaches to Target Antibiotic Resistance Mechanisms.**

**Bacterial biofilm-based catheter-associated urinary tract infections: Causative pathogens and antibiotic resistance.**

**Emerging trends in antibiotic resistance: Implications for emergency medicine.**

**Antibiotic resistance in acne treatment.**

**The Challenge of Overcoming Antibiotic Resistance: An Adjuvant Approach?**
Melander R.J., Melander C. *ACS Infectious Diseases*. 2017. 3 (8) pp 559-563. (Library PCs)

**Antibiotic cycling and antibiotic mixing: Which one best mitigates antibiotic resistance?**

**Different drugs for bad bugs: Antivirulence strategies in the age of antibiotic resistance.**

**Update on the epidemiology and antibiotic resistance of ocular infections.**

**Effect of antibiotic use on antimicrobial antibiotic resistance and late-onset neonatal infections over 25 years in an Australian tertiary neonatal unit.**
Assessing the risk of probiotic dietary supplements in the context of antibiotic resistance.

Interplay Between Antibiotic Resistance and Virulence During Disease Promoted by Multidrug-Resistant Bacteria.

Fighting against evolution of antibiotic resistance by utilizing evolvable antimicrobial drugs.
Cansizoglu M.F., Toprak E. *Current Genetics*. 2017. 63 (6) pp 973-976. (OpenAthens)

Stochasticity among Antibiotic-Resistance Profiles of Common Burn-Related Pathogens over a Six-Year Period.
Collier Z.J., Gottlieb L.J., Alverdy J.C. *Surgical Infections*. 2017. 18 (3) pp 327-335. (Library PCs)

A unified inter-host and in-host model of antibiotic resistance and infection spread in a hospital ward.

Antibiotics v2.0: Computational and synthetic biology approaches to combat antibiotic resistance.

Antibiotic resistance potential of the healthy preterm infant gut microbiome.

**Selected Library Books and Chapters**
For location and availability please check Library Search, the Imperial College Library catalogue.


**Oxford Medicine Online**
Sign in with your OpenAthens account.
Search “antibiotic” to find e-book chapters across all Oxford Handbooks and Textbooks including Infectious Disease Emergencies, Antimicrobial Stewardship, Oxford Handbook of Infectious Diseases and Microbiology, and more.
For more information...
If you have any trouble accessing the material above, or want to learn more about what support, resources and training are available to you please contact your librarian. We’re here to help!

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