

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](#)

A. R. McCullough, J. Rathbone, S. Parekh, T. C. Hoffmann, C. B. Del Mar. *Journal of Antimicrobial Chemotherapy*. 2017. 70 (9) pp 2465–2473.

[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)

[NECS Medicines Optimisation: antibiotics e-learning](#)

North of England Commissioning Support Unit (requires nhs.net email to sign up for service)

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.](#)

Schillaci D., Spano V., Parrino B., Carbone A., Montalbano A., Barraja P., Diana P., Cirrincione G., Cascioferro S. *Journal of Medicinal Chemistry*. 2017. 60 (20) pp 8268-8297. (Library PCs)

[Bacterial biofilm-based catheter-associated urinary tract infections: Causative pathogens and antibiotic resistance.](#)

Sabir N., Ikram A., Zaman G., Satti L., Gardezi A., Ahmed A., Ahmed P. *American Journal of Infection Control*. 2017. 45 (10) pp 1101-1105. (OpenAthens)

[Emerging trends in antibiotic resistance: Implications for emergency medicine.](#)

Pourmand A., Mazer-Amirshahi M., Jasani G., May L. *American Journal of Emergency Medicine*. 2017. 35 (8) pp 1172-1176. (Library PCs)

[Antibiotic resistance in acne treatment.](#)

Adler B.L., Kornmehl H., Armstrong A.W. *JAMA Dermatology*. 2017. 153 (8) pp 810-811. (Library PCs)

[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?](#)

Beardmore R.E., Pena-Miller R., Gori F., Iredell J., Barlow M. 2017. *Molecular Biology and Evolution*. 34 (4) pp 802-817. (OpenAthens)

[Different drugs for bad bugs: Antivirulence strategies in the age of antibiotic resistance.](#)

Dickey S.W., Cheung G.Y.C., Otto M. 2017. *Nature Reviews Drug Discovery*. 16 (7) pp 457-471. (OpenAthens)

[Update on the epidemiology and antibiotic resistance of ocular infections.](#)

Miller D. *Middle East African Journal of Ophthalmology*. 2017. 24 (1) pp 30-42. (OpenAthens)

[Effect of antibiotic use on antimicrobial antibiotic resistance and late-onset neonatal infections over 25 years in an Australian tertiary neonatal unit.](#)

Carr D., Barnes E.H., Gordon A., Isaacs D. *Archives of Disease in Childhood: Fetal and Neonatal Edition*. 2017. 102 (3) pp F244-F250. (OpenAthens)

[Assessing the risk of probiotic dietary supplements in the context of antibiotic resistance.](#)

Zheng M., Zhang R., Tian X., Zhou X., Pan X., Wong A. 2017. *Frontiers in Microbiology*. 8. (OpenAthens)

[Interplay Between Antibiotic Resistance and Virulence During Disease Promoted by Multidrug-Resistant Bacteria.](#)

Geisinger E., Isberg R.R. *The Journal of infectious diseases*. 2017. 215 (S1) pp S9-S17. (OpenAthens)

[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.](#)

Caudill L., Lawson B. *Journal of Theoretical Biology*. 2017. 421 pp 112-126. (Library PCs)

[Antibiotics v2.0: Computational and synthetic biology approaches to combat antibiotic resistance.](#)

Culligan E.P., Sleator R.D. *Future Microbiology*. 2017. 12 (4) pp 267-269. (OpenAthens)

[Antibiotic resistance potential of the healthy preterm infant gut microbiome.](#)

Rose G., Shaw A.G., Sim K., Wooldridge D.J., Li M.-S., Gharbia S., Misra R., Kroll J.S. *Peer J*. 2017. 1 pp e2928. (OpenAthens)

Selected Library Books and Chapters

For location and availability please check [Library Search](#), the Imperial College Library catalogue.

Laundy, M., & Gilchrist, Mark. 2016. ***Antimicrobial stewardship***, First ed.

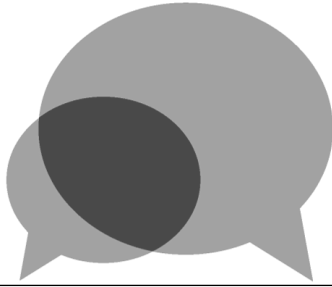
Steven M. Firestine, Troy Lister & David Thurston. 2017. ***Antibiotic Drug Discovery***. (Available online)

Weston, D., Burgess, Alison & Roberts, Sue. 2017. ***Infection prevention and control at a glance***.

[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.



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