

## 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 (Library PCs)

### [Antimicrobial stewardship in hospital settings](#)

UpToDate, November 2017 (Library PCs)

### [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.

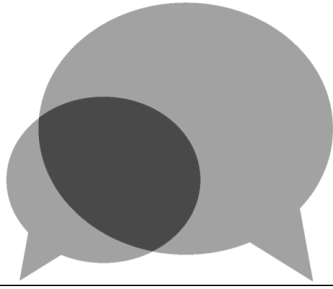
Steven M. Firestine, Troy Lister & David Thurston. 2017. ***Antibiotic Drug Discovery***. (Available online)

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.



### 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!

---

**Disclaimer:** Whilst the Library makes every effort to check the content above, we cannot guarantee its correctness or completeness. We do not accept any responsibility for errors or omissions or for loss or damage resulting from making use of this information. The Library cannot accept responsibility for the sites linked to, or the information displayed there.

©2017 Imperial College Library Services.