

# AIHA Internet Resources Digest

*Supporting Access to High Quality Online Resources*

June 2015



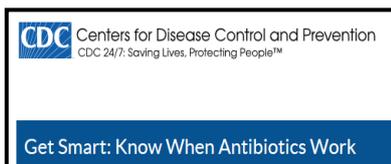
## Spotlight on: Resources on Rational Antibiotic Use

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ntibiotic resistance is a growing problem and the main cause of this problem is misuse of antibiotics. In recent years, a wide range of initiatives and activities, aimed specifically at addressing the challenge of antimicrobial resistance, have been launched by governments, nongovernmental alliances and private entities around the world

### International Organizations and Projects

#### CDC's Get Smart: Know When Antibiotics Work



CDC's Get Smart: Know When Antibiotics Work program works to make sure antibiotics are prescribed only when they are needed and used as they should. The Get Smart program focuses on common illnesses that account for most of the antibiotic prescriptions written for children and adults in doctors' offices and other outpatient settings.

The Get Smart program offers a number of materials and tools to help you learn about antibiotic resistance and appropriate antibi-

otic prescribing and use for common infections. Materials for healthcare professionals and patients, proven evidence-based methods to optimize antibiotic therapy, international and national programs and measuring activities, printed material, videos and social media tools, research articles. Permission is not needed to print, copy, or distribute any materials from the Get Smart program.

<http://www.cdc.gov/getsmart/community/index.html>

#### WHO - Drug resistance



Antimicrobial resistance is occurring everywhere in the world, compromising our ability to treat infectious diseases, as well as undermining many other advances in health and medicine. For World Health Day 2011, the World Health Organization (WHO) introduced a 6- point policy package to combat the spread of antimicrobial resistance.

As part of its core functions, WHO has called together a Strategic and Technical Advisory Group to review and help shape a global strategy to tackle the growing challenge of antimicrobial resistance, and to advise WHO on the coordination role it should be playing in the fight against antimicrobial resistance. The goal of the draft global action plan is to ensure, for as long as possible, continuity of successful treatment and prevention of infectious diseases with effective and safe medicines that are quality-assured, used in a responsible way, and accessible to all who need them.

The WHO Global Strategy for Containment of Antimicrobial Resistance identifies 68 prioritized recommendations, for implementation targeted the following groups:

- Patients and the general community
- Prescribers and dispensers
- Hospitals
- Antimicrobials use in food-producing animals
- National governments and health systems
- Industry and research group
- International organizations

<http://www.who.int/drugresistance/en/>

#### Global Antibiotic Resistance Partnership



GARP was started in 2009 to create a platform for developing actionable policy proposals on antibiotic resistance in low-income and middle-income countries. National GARP working groups are established in: India, Kenya, South Africa, Vietnam, Mozambique, Nepal, Tanzania and Uganda. GARP is a Center for Disease Dynamics, Economics & Policy (CDDEP) project. On the web-site you can find tools, publications, news, information about projects and events.

<http://www.cddep.org/projects/global-antibiotic-resistance-partnership>

#### Global Health Security Agenda (GHSA)



The GHSA was launched in February 2014. Through the Global Health Security agenda, the United States seeks to accelerate progress toward a world safe and secure from infectious disease threats and to promote global health security as an international security priority. One of its identified Global Health Security Risks is 'Rise of drug resistance'. Antimicrobial Resistance Action Package (GHSA Action Package Prevent-1) is under development.

<http://www.globalhealth.gov/global-health-topics/global-health-security/ghsagenda.html>

[http://www.cdc.gov/globalhealth/security/actionpackages/antimicrobial\\_resistance.htm](http://www.cdc.gov/globalhealth/security/actionpackages/antimicrobial_resistance.htm)

## European Commission Action plan against the rising threats from Antimicrobial Resistance



The European Commission's 2011 five-year action plan contains 12 actions for implementation with EU member countries and identifies 7 areas where measures are most necessary. The Commission has compiled a detailed overview of the 12 Actions covered by the action plan, including the operational objectives, the concrete activities and the deadlines. Joint Conference on Antimicrobial Resistance: State of Play of the 5-year action plan (December 2013). Action Plan Against the rising threats from Antimicrobial Resistance: Road Map (2014).

It is also a trustworthy gateway to a wide range of information and data on Antimicrobial Resistance issues and activities at both European, national and international level. The content is produced by the European Commission, the Member States of the EU and the European Economic Area (EEA), by international organizations; and by pan-European non-governmental organizations in the area of public health. [http://ec.europa.eu/health/antimicrobial\\_resistance/policy/index\\_en.htm](http://ec.europa.eu/health/antimicrobial_resistance/policy/index_en.htm)

## Transatlantic Task Force on Antimicrobial resistance (TATFAR)



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 health-care and community-associated drug-resistant infections; (3) strategies for improving the pipeline of new antimicrobial drugs.

<http://www.cdc.gov/drugresistance/tatfar/index.html>

## ReAct - Action on Antibiotic Resistance



ReAct - Action on Antibiotic Resistance is an

independent global network for concerted action on antibiotic resistance. ReAct works across disciplines, bringing stakeholders together in developing ways forward, promoting best practices and innovative solutions, advocating and mobilizing for behavioral change. The resource center section includes a selection of published articles, reports and web tools to facilitate action on antibiotic resistance.

ReAct Toolbox is a web-based resource for taking action on antibiotic resistance. The Toolbox is built on what has been done in the past in a variety of settings and is aligned with ongoing and current initiatives from across the globe. Throughout the Toolbox a narrative text guides the user on how to work with the problem, combining practical advice with examples from the field and providing links to external resources that may be useful in your setting. Many of the resources can be adapted and implemented in a variety of contexts

<http://www.reactgroup.org/>

## Journals and Articles

### The Journal of Infection in Developing Countries



The mission of the journal is to provide all infectious disease researchers from developing countries with an international forum for publishing their research findings. The JIDC publishes original research papers, research notes, guidance documents and reviews covering different aspects of human, animal and environmental microbiology and infections in developing countries.

JIDC provides pre-review mentoring to help researchers in developing countries produce articles that meet the standards of international journals. This journal provides immediate open access to its content. Search for articles on antimicrobial resistance produced 140 results.

<http://www.jidc.org/index.php/journal>

### Rational Design of Antibiotic Treatment Plans: A Treatment Strategy for Managing Evolution and Reversing Resistance



„The development of reliable methods for restoring susceptibility after antibiotic resistance arises has proven elusive. A greater understanding of the relationship between antibiotic administration and the evolution of resistance is a key to overcoming this challenge. Here we present a data-driven mathe-

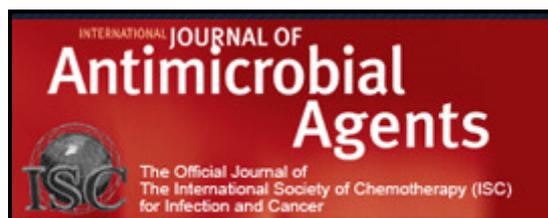
matical approach for developing antibiotic treatment plans that can reverse the evolution of antibiotic resistance determinants“. Published: May 6, 2015

Additional 664 results for subject: "Antibiotic resistance" from this journal

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0122283>

<http://www.plosone.org/search/advanced?unformattedQuery=subject%3A%22Antibiotic%20resistance%22>

### The International Journal of Antimicrobial Agents



The *International Journal of Antimicrobial Agents* provides comprehensive and up-to-date peer reviewed reference information on the physical, pharmacological, *in vitro* and clinical properties of individual antimicrobial agents. In addition, the journal signals new trends and developments in the field through highly authoritative review articles on antimicrobial agents.

Special attention is given to articles providing insight into the problems of antimicrobial resistance both in the hospital and in the community. Both solicited reviews by top experts in the mentioned fields and high-quality original research papers are published. Selected open access articles.

<http://www.ijaaonline.com/>

## About the AIHA Internet Resources Digest

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The *Internet Resources Digest* is compiled by Irina Ibraghimova, PhD, Library and Information Management Specialist HealthConnect International ([www.healthconnect-intl.org](http://www.healthconnect-intl.org)). The contents are the responsibility of AIHA and do not necessarily reflect the views of PEPFAR, HRSA, or the United States Government.

If you have a suggestion for a Digest topic, or would like to contribute information about Internet resources, please contact [ibra\[at\]zadar.net](mailto:ibra[at]zadar.net).

Back issues of the *Internet Resources Digest* for 2011-2015 are archived at <http://www.healthconnect-intl.org/resources.html>

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