

Global Antibiotic Resistance Partnership







Objective

Develop actionable national strategies to address the challenge of antibiotic resistance in five low- and middle-income countries

- China
- India
- Kenya
- South Africa
- Vietnam





Specific Aims

- Develop the evidence base for policy action on antibiotic resistance
- Identify policy opportunities where research dissemination, advocacy, and information can have the greatest impact in slowing the development and spread of resistance.





Steps

- Create country profiles of baseline resistance, antibiotic use and burden of resistance
- Assess the health and economic consequences of antibiotic resistance
- Develop mathematical models of specific approaches to delay emergence of antibiotic resistance
- Constitute GARP National Working

Other objectives

- Create an IT platform for a global antibiotic resistance atlas
- International conference to compare policy approaches across the five target countries and to discuss the relevance of these approaches to other countries outside the initial partnership





Second Phase

- Dissemination of national strategies
- Policy communications
- Further research





Objectives for this meeting

- How serious a problem is antibiotic resistance in Vietnam?
- What are the primary drivers of resistance?
- What policies could both help reduce the
 - Suboptimal use of antibiotics
 - Need for antibiotics
 - Emergence and spread of resistance







Policy responses to the growing threat of antibiotic resistance



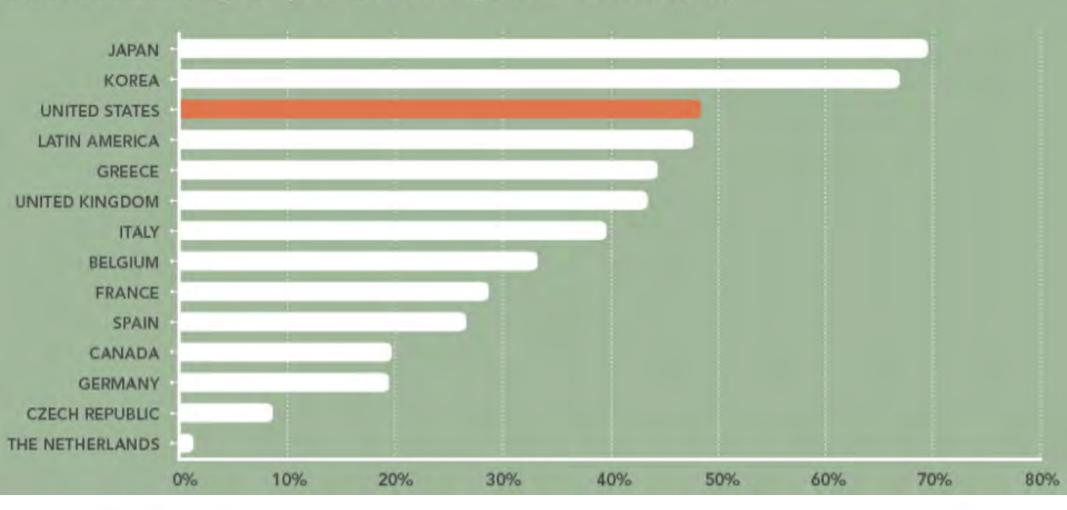


Antibiotic
Resistance WWW.extendingthe Partnership

The proportion of methicillin-resistant Staphylococcus aureus and vancomycin-resistant enterococcal infections is increasing (1987–2003)



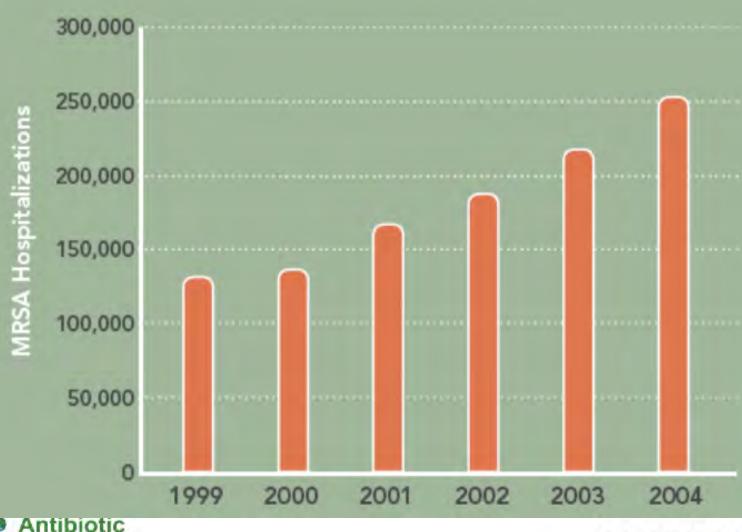
The proportion of methicillin-resistant Staphylococcus aureus (MRSA) infections in the United States is high compared with other high-income countries (2004)







Growing resistance combined with an increasing number of Staphylococcus aureus infections has resulted in an increasing number of hospitalized patients who have MRSA infections



Partnership

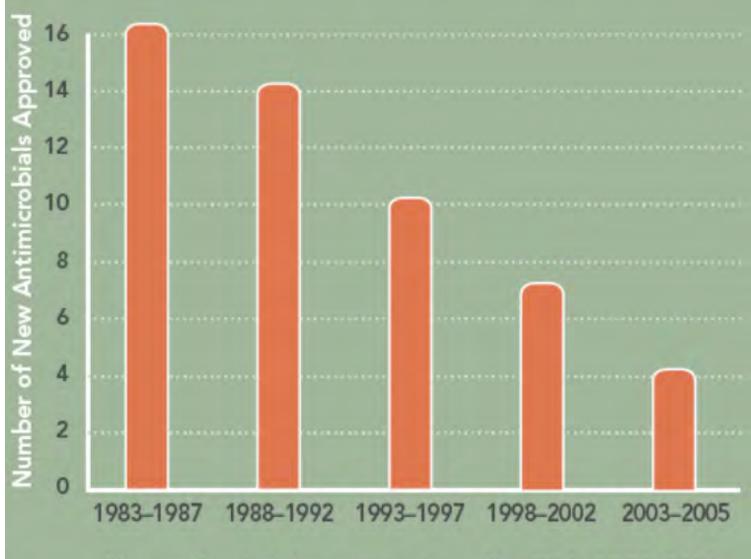


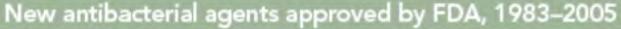
The United States is among the most intensive users of antibiotics in the world FRANCE GREECE ITALY BELGIUM UNITED STATES CANADA AUSTRALIA **SPAIN** CZECH REPUBLIC UNITED KINGDOM GERMANY **NETHERLANDS** 0.0 5.0 10.0 15.0 20.0 25.0 30.0 35.0 DDD per 1,000 inhabitants per day





Fewer new antibiotics are being brought to market as more firms leave the anti-infectives business









THE BRITISH JOURNAL

θF

EXPERIMENTAL PATHOLOGY

VOLUME TEN

1929

Reproduced from pages 226-236.

ON THE ANTIBACTERIAL ACTION OF CULTURES OF A PENICILLIUM, WITH SPECIAL REFERENCE TO THEIR USE IN THE ISOLATION OF B. INFLUENZÆ.

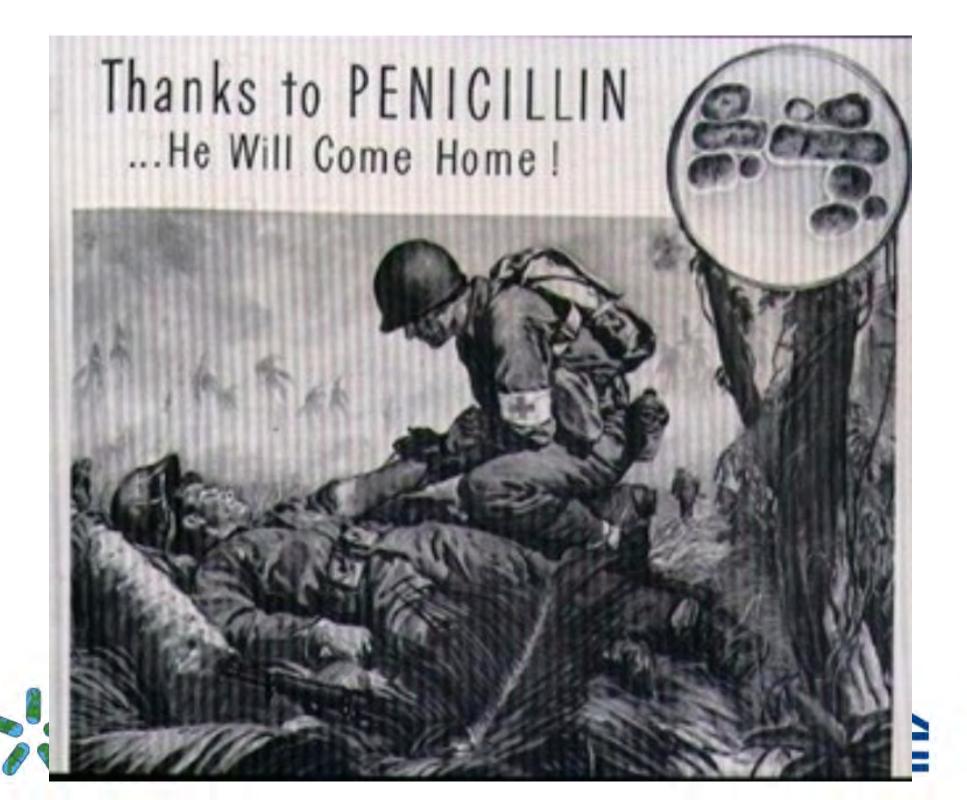
ALEXANDER FLEMING, F.R.C.S.

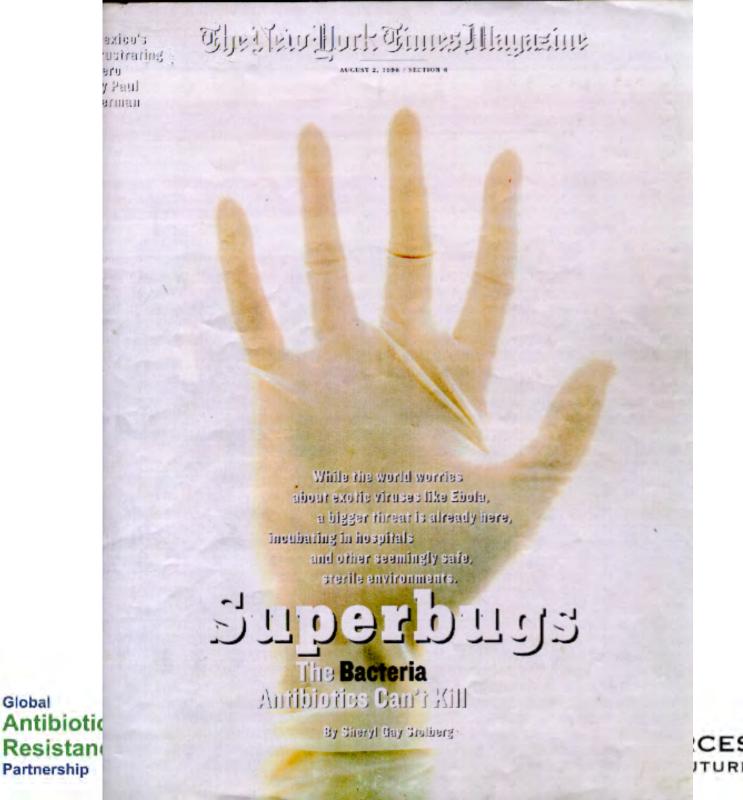
From the Laboratories of the Inoculation Department, St Mary's Hospital, London.

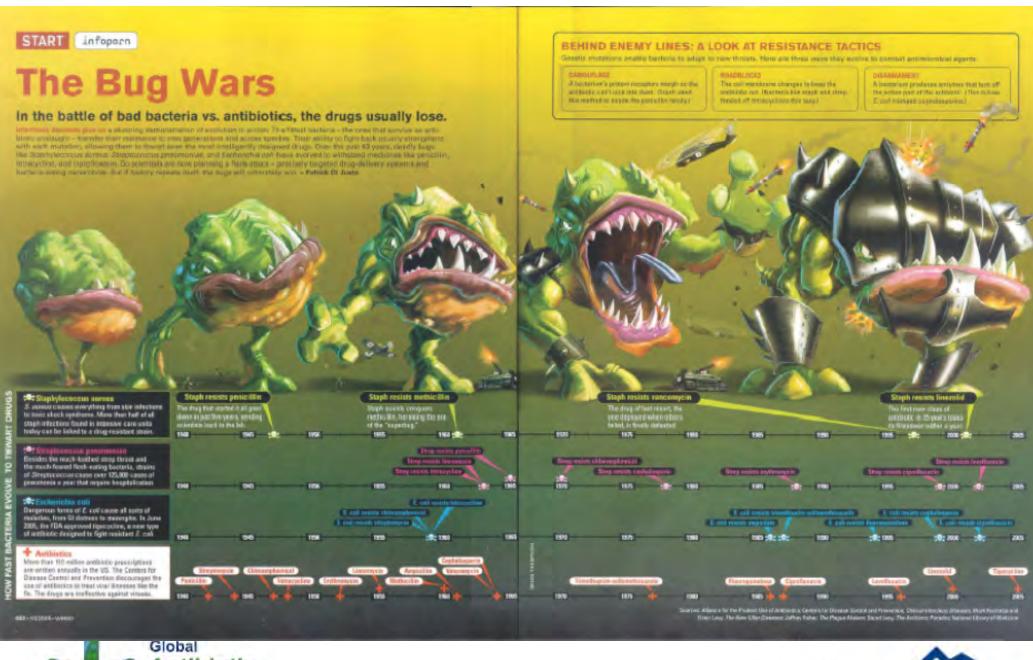
Received for publication May 10th, 1929.





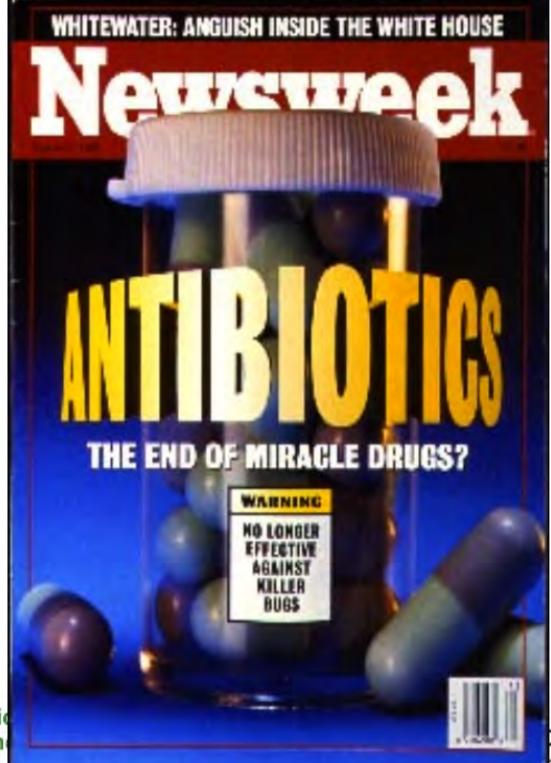






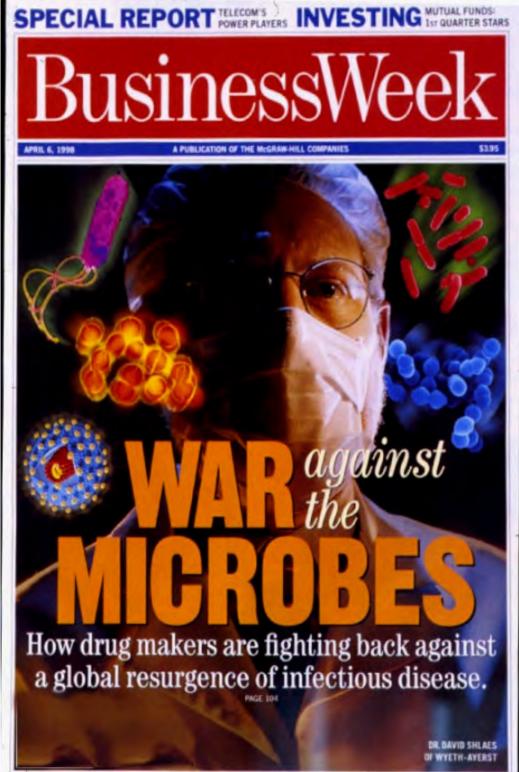
















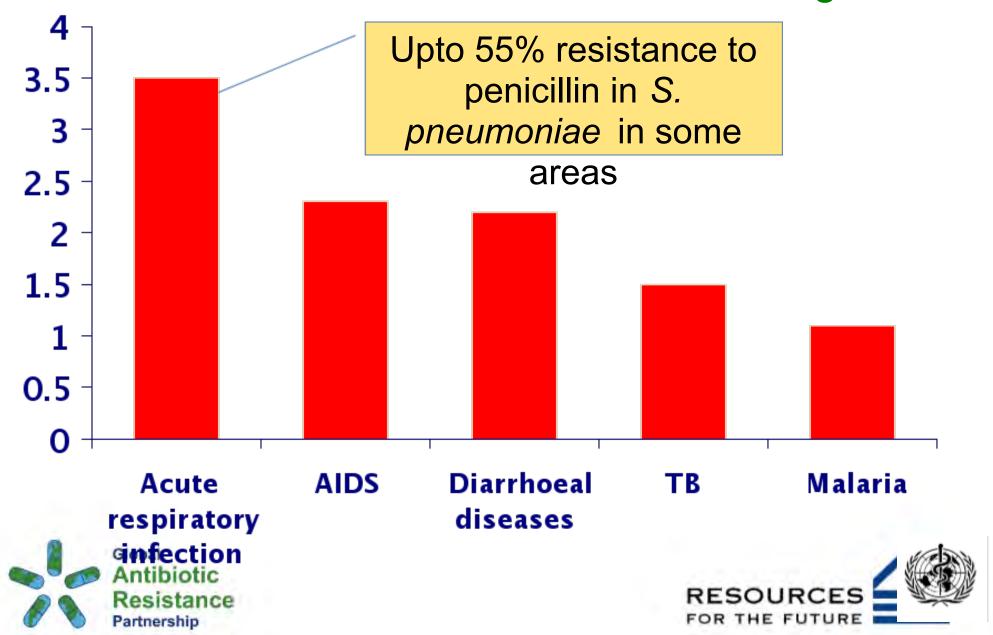








Leading Infectious Killers Millions of deaths, worldwide, all ages



Leading Infectious Killers Millions of deaths, worldwide, all ages

Resistance to all currently marketed retrovirals





Leading Infectious Killers
Millions of deaths, worldwide, all ages

