

Antibiotic Stewardship

Antibiotics are among the most commonly prescribed drugs and save millions of lives each year. However, widespread, long-term use has led to an alarming rise in antibiotic-resistant bacteria that, in the U.S. alone, cause 2 million illnesses and 23,000 deaths each year.¹

If left unchecked, antibiotic resistance will render standard treatments ineffective and force health care providers to use less-successful drugs, resulting in prolonged illnesses and an increase in health care costs and mortality rates.²

A Collaborative Approach

Antibiotic resistance has been identified as a fundamental aspect of global security³ and is a national priority for federal, state, academic, public and private entities. To address this, the Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria (PACCARB) was formed to guide U.S. efforts in averting the global health crisis posed by antibiotic resistance.

Supporting this call to action, the TMF Quality Innovation Network Quality Improvement Organization (QIN-QIO), led by TMF Health Quality Institute in Texas and Oklahoma, in partnership with the Arkansas Foundation for Medical Care, Primaris in Missouri and the Quality Improvement Professional Research Organization Inc. in Puerto Rico, will leverage existing relationships with health care providers in these areas to develop a comprehensive antibiotic stewardship program (also known as antimicrobial stewardship) to combat antibiotic-resistant bacteria. This coordinated initiative will promote the appropriate use of antimicrobials (including antibiotics), improve patient outcomes, reduce microbial resistance and decrease the spread of infections caused by multidrug-resistant organisms.

Our Goals

Aligning with the goals outlined in the March 2016 PACCARB report,³ and with the Combating Antibiotic-Resistant Bacteria Health and Human Services Agency Priority Goal,⁴ the TMF QIN-QIO will assist participating outpatient providers in Arkansas, Missouri, Oklahoma, Puerto Rico and Texas in developing and/or strengthening existing antibiotic stewardship programs by July 2019. Eligible provider types include:

- Federally qualified health centers
- Emergency departments
- Outpatient clinics

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**Antibiotic-resistant bacteria
– a serious threat to public
health, the economy**

In the U.S. each year:

**2+ Million
Americans**



develop antibiotic-resistant infections.



**23,000
people die**

**\$20
billion**

in added
health care
costs

**262.5
million**

antibiotics are prescribed in
outpatient settings each year.

That's **5 prescriptions**
for every **6 people** in the U.S.



Up to **50%** are
unnecessary.

**Without intervention, antibiotics will
become less effective or not work at all.**

**Join the Antibiotic
Stewardship Network**

Visit www.TMFQIN.org to join the Antibiotic Stewardship network and work with industry experts to learn how to develop effective methods to combat antibiotic resistance.

1. <http://www.cdc.gov/drugresistance/>

2. http://www.healthaffairs.org/healthpolicybriefs/brief.php?brief_id=138

3. <http://www.hhs.gov/sites/default/files/paccarb-final-report-03312016.pdf>

4. <https://www.performance.gov/content/combating-antibiotic-resistant-bacteria-carb?view=public>

- Outpatient pharmacies
- Pharmacy-based clinics
- Physician offices
- Public health clinics
- Urgent care

This initiative will also incorporate the Core Elements of Antibiotic Stewardship as defined by Centers for Disease Control and Prevention.

Key Strategies and Interventions

Benefits to Participating Providers/Community Partners

The TMF QIN-QIO will support participating providers by providing:

- Individualized technical assistance using evidence-based education, tools and resources
- Tailored resources, including beneficiary-facing material to support providers in their efforts to curb inappropriate antibiotic usage
- Free, educational webinars
- Assistance with adopting the Core Elements of Antibiotic Stewardship
- An online Learning and Action Network to serve as the hub of dissemination of antibiotic stewardship information

Join the Antibiotic Stewardship Network

Additional information about the TMF QIN-QIO's Antibiotic Stewardship program as well as free online tools, resources and upcoming educational events are available on the TMF QIN-QIO website. To join, go to <https://www.tmfqin.org/> and locate Antibiotic Stewardship under the Networks tab.

Contact Us

Please email ABSnetwork@tmf.org for more information.



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