Public Health’s Role in Antibiotic Stewardship

Driver Diagram

**Primary Drivers**

- Appropriate Use of Antibiotics
- Data Monitoring, Transparency, and Stewardship Infrastructure
- Knowledge, Awareness, and Perception of the Importance of Appropriate Antibiotic Use

**Secondary Drivers**

- Partnerships, Communication, Reimbursement, & Stewardship
  - Provide information on which antibiotics are most effective within your community at a certain point in time
  - Provide information on which diseases are prevalent within a community at a point in time
  - Develop policies that create incentives for appropriate antibiotic use
  - Develop appropriate policies for daycare, work, and school on appropriate attendance during illness (staying away and going back)

- Surveillance, Analysis, Feedback, Triage, & Leveraging Resources
  - Leverage existing infrastructure to promote better antibiotic use
  - Use local resistance data to inform antibiotic choice
  - Explore ways to gather use and prescribing data

- Share Evidence Broadly, Provide Education, Create Urgency, & Empower Alternative Action
  - Develop intervention plans for segmented target audiences (consumers, providers, insurers, policy makers, etc.)
  - Change attitudes and perceptions about what constitutes appropriate antibiotic use
  - Educate health departments and public health professionals
  - Incorporate antibiotic usage into community assessment and improvement plans

**AIM**

Promote Optimal Antibiotic Use

**Goals**

- Preserve antibiotics for the future
- Decrease demand by the public for inappropriate use
- Reduce the spread of antibiotic resistance
- Decrease adverse events associated with inappropriate antibiotic use
- Decrease costs associated with antibiotic use

Policy, Communication, Education, Incentives, Partnerships, and Facilitation

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