2016 Annual Get Smart Week
Antibiotic Stewardship in Pennsylvania

University of Pittsburgh
O’Hara Student Center
Friday, Nov. 18, 2016
Noon – 1:30 p.m.
This Week is “Get Smart” Week

Goal: Raise awareness of problem of antibiotic resistance

Dr. Karen Hacker, MD, MPH
Director of the Allegheny County Health Department
Antibiotic resistance

• CDC estimates 2 million persons infected by resistant bacteria and 23,000 die from these infections each year
• Major contributors are overuse and misuse of antibiotics
  – 50% antibiotics are not needed or not optimally prescribed
  – Antibiotics are used to promote growth of animals
Antibiotics only treat bacterial infections

<table>
<thead>
<tr>
<th>Illness</th>
<th>Usual Cause</th>
<th>Antibiotic Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cold/Runny Nose</td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Bronchitis/Chest Cold (in otherwise healthy children and adults)</td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Whooping Cough</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Flu</td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Strep Throat</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Sore Throat (except strep)</td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Fluid in the Middle Ear (otitis media with effusion)</td>
<td></td>
<td>NO</td>
</tr>
<tr>
<td>Urinary Tract Infection</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

Source: CDC
CDC’s “Get Smart: Know When Antibiotics Work” Program Objectives

Stop the increase in antibiotic resistance by

• Promoting providers’ adherence to prescribing guidelines
• Decreasing demand for antibiotics among adults and parents of young children
• Increasing adherence to prescribed antibiotics
State and local health departments

- Role: promote judicious antibiotic use; track resistant infections
- ACHD activities:
  - Distribute guidelines for prevention and control of carbapenem-resistant *Enterobacteriaceae* (CRE)
  - Track invasive MRSA infections
  - Promote antibiotic stewardship programs