

# 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

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



## 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