

December 2016

Get Smart About Antibiotics Week Events, Nov. 14-20

The Get Smart Program collaborated with Student Health Services, a unit of Penn State Student Affairs, in hosting a One Health seminar focused on antibiotic stewardship in Pennsylvania. This event was at Schwab Auditorium on Nov. 15. It attracted more than 150 participants including physicians, nurses and veterinarians in addition to faculty and students in biomedical, agricultural and behavioral sciences.

The forum addressed factors that cause microbes (such as bacteria, parasites or fungi) to change in ways that make them untreatable with medications.

Dr. David Wolfgang, the first of four speakers, gave the audience a glimpse into why antimicrobial drugs are given to food animals. This includes non-medical uses, which in 2014 accounted for almost 6 million kilograms or 38 percent of all antimicrobial drugs used in animals. Starting in Jan. 2017, the Food and Drug Administration will require certain veterinary drugs be available by prescription only instead of over-the counter.

Professor Andrew Read continued the discussion by highlighting limitations in knowing the extent and outcomes from antibiotic-resistant infections. He also reviewed promising research

on treatment of patients with multidrug-resistant infections that require last-resort drugs.

Dr. Marian Michaels continued the discussion by using clinical vignettes to illustrate how changes in current guidelines can promote judicious use of antibiotics.

Dr. Robin Oliver concluded the seminar with a review of the Centers for Disease Control and Prevention's Core Elements for Outpatient Antibiotic Stewardship:

- Commitment
- Action for policy and practice
- Tracking and reporting
- Education and expertise

Collaborators at the One Health seminar agreed on a follow-up meeting to develop a unified response to the threat of antimicrobial resistance.

Following the One Health seminar, Get Smart Program representatives visited a preschool classroom at Hort Woods, a child care center on campus. Drs. Nicole Hackman, Nkuchia M'ikanatha and Tracy Glass engaged 20 preschool children in a book reading and hand washing demonstrations. They showed kids where germs hide on their hands by using Glow-Germ powder viewed through a black light. See Figure 1.

On Nov. 18, two Get Smart Week events took



Figure 1: Source: Tara Immel, PADOH

Dr. Hackman used a black light to show children where bacteria hides on their hands.

place at the University of Pittsburgh. The first was in the morning at the University's Child Development Center. PADOH representatives Nkuchia M'ikanatha, Marlene King and Sarah Boateng, along with April Andreen (a pharmacy student) and Get Smart Consultant Tabitha Reefer, taught 50 preschoolers proper hand washing techniques. Pennsylvania Physician General Dr. Rachel Levine read the book, "Katie Caught a Cold" to the children.

In the afternoon, an antimicrobial stewardship event was held at the O'Hara Student Center. This event was cohosted by the University's School of Pharmacy and the Allegheny County Health Department in collaboration with the PADOH Get Smart Program. The student chapter of the American Pharmacists' Association, led by Get Smart's summer intern, Abigail Kraus, facilitated presentations by several speakers: Dr. Jennifer Han, University of Pennsylvania, Dr. Karen Hacker, Allegheny County Health Department, and Pennsylvania Physician General Dr. Rachel Levine. Dr. Han's main presentation focused on the risks of antibiotic resistance in long-term care facilities and how a team approach can help in decreasing this risk by improving therapy management.

Over 200 students, faculty and physicians attended the hour and a half seminar. While the majority of attendees were associated with the field of pharmacy, representatives from the University of Pittsburgh Schools of Public Health, Medicine, and Nursing were present. The event was live streamed via the Get Smart PA Facebook page.

If you have any ideas or would like more information, please contact us. To unsubscribe, email knowwhentosayno@pa.gov.

Congratulations to the 2016 Get Smart Kids' Art Competition Winners!

Ages 11-12

- First Place: Courtney Keller, Age 11, Kennett Square, Pa.
- Second Place: Madyson Isenhour, Age 11, Harrisburg, Pa.
- Third Place: Keegan Carter Trilley, Age 12, Harrisburg, Pa.



First Place Winner Ages 11-12: Courtney

Ages 9-10

- First Place: Sarah Watson, Age 9, Atglen, Pa.
- Second Place: Ian Lentz, Age 9, Camp Hill, Pa.
- Third Place: Alyson Park, Age 9, Lorton, Va.

Ages 7-8

- First Place: Avery Moran, Age 8, Palmyra, Pa.
- Second Place: Romello Torres, Age 8, York, Pa.
- Third Place: Naila Nicholson Age 8, Lancaster, Pa.

Ages 5-6

- First Place: Wyatt Lentz, Age 5, Camp Hill, Pa.
- Second Place: Aanya Govil, Age 6, Mechanicsburg, Pa.
- Third Place: Alexa Rank, Age 6, Dillsburg, Pa.

Ages 4 and under

- First Place: Kailee Park, Age 4, Lorton, Va.
- Second Place: Landon Moran, Age 4, Palmyra, Pa.
- Third Place: Kendal Rank, Age 3, Dillsburg, Pa.

Visit our website to see the spectacular art from all of our winners!



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www.KnowWhenToSayNo.org