“You manage what you measure.”
-Dr. Temple Grandin
NATIONAL ACTION PLAN FOR COMBATING ANTIBIOTIC-RESISTANT BACTERIA

MARCH 2015

Antimicrobial Resistance
ACTION PLAN
National Animal Health Monitoring System
Hallmarks of a NAHMS National Study

- National in scope
- Collaborative
- Voluntary
- Privacy
- Scientifically based and statistically valid
2017 Antimicrobial Use Studies
Study Objectives

Describe antimicrobial use practices in feed and water

Estimate the percentage of operations administering and the percentage of animals receiving specific antimicrobials by reasons for use

Provide baseline data on antimicrobial use practices in 2016 in order to evaluate trends over time

Describe antimicrobial stewardship practices on production sites
Swine Antimicrobial Use 2017 Participating States

1000+ market pigs in 13 States
Nursery, grower/finisher, and wean-to-finish operations
July 1 through December 31, 2016
98% of swine sites used any antimicrobials.
Swine Stewardship: Veterinary Use

- Vet-Client-Patient-Relationship: 100%
- Visited by Vet: 60%
88% of feedlots used any antimicrobials in 2016
Feedlot Stewardship: Veterinary Use

- Used a veterinarian in 2016
- Familiar with vet-client-patient relationship
- Had a vet-client-patient relationship
Historical NAHMS Studies → 2017 Antimicrobial Use Studies → Future NAHMS Studies
Swine 2020 Study
Health Management on U.S. Feedlots 2020 Study
Heifer Calf Fecal Metagenomics
Poultry Longitudinal Study
National Animal Health Laboratory Network – Antimicrobial Resistance Pilot Project
Thank you

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