2017 NATIONAL ANIMAL HEALTH MONITORING SERVICE ANTIMICROBIAL USE STUDIES

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“You manage what you measure.”

-Dr. Temple Grandin
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
70% of operations and 70% of animals
FDA Policy Changes
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
1000+ market pigs in 13 States
Nursery, grower/finisher, and
wean-to-finish operations
July 1 through December 31, 2016
50+ head of cattle in 22 states
January 1 through December 31, 2016
Methods

Study Design

NASS Sample Selection

NASS Contact/Consent

VS Questionnaire

Data Analysis

Reporting
Antimicrobial Use

Percent of animals that received each antimicrobial
Primary reason for use
Average number of days treated
Antimicrobial Stewardship

- Record keeping
- Quality assurance programs
- Veterinary use
- Decision making
Challenges
Future Plans

Acknowledgements

Survey Participants
- Operators
- Producers

Development and Implementation
- Livestock industry and industry representatives
- Respondents to public notices

Operations
- Field staff – NASS, VS, and States
- NAHMS
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