Leadership and Responsibility for Antibiotic Stewardship

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First a bit of background

Professor of Swine Nutrition and Production in the Department of Animal Sciences at the University of Illinois

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Livestock Production Systems

- Large, integrated units (beef cattle feedlots, swine production systems, poultry companies
  - Professional production and management staff
  - Staff veterinarians
  - Sophisticated record systems

- Small-holder growers – single animal to several thousand animals
  - Reliant on University Extension or product provider advice
  - May or may not have reasonable access to professional veterinary expertise
Sources of leadership and responsibility

- Species-specific organizations – National Pork Producers, National Cattlemen’s Beef Association, U.S. Poultry and Egg Association etc.
  - Existing quality-assurance programs
  - Industry education programs

- Veterinary Profession – American Veterinary Medical Association, American Association of Swine Practitioners, American Association of Bovine Practitioners –
  - Continuing education programs
  - Accreditation programs

- Land-Grant University Colleges of Agriculture, Agriculture Extension and the Agriculture Experiments Stations
  - Undergraduate and graduate education
  - Informal producer education through Extension

- Federal agencies
Sources of Leadership and Responsibility

- Veterinarian
- Feed manufacturer
- Producer
- Farm staff
Challenges

- Culture
- Availability of large-animal practitioners
- Diagnostic capacity
- Enforcement