

# Leadership and Responsibility for Antibiotic Stewardship

ROBERT A. EASTER

PROFESSOR AND PRESIDENT EMERITUS

UNIVERSITY OF ILLINOIS

# First a bit of background

---

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

Partner, Swine Education and Technical Consultancy

# 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