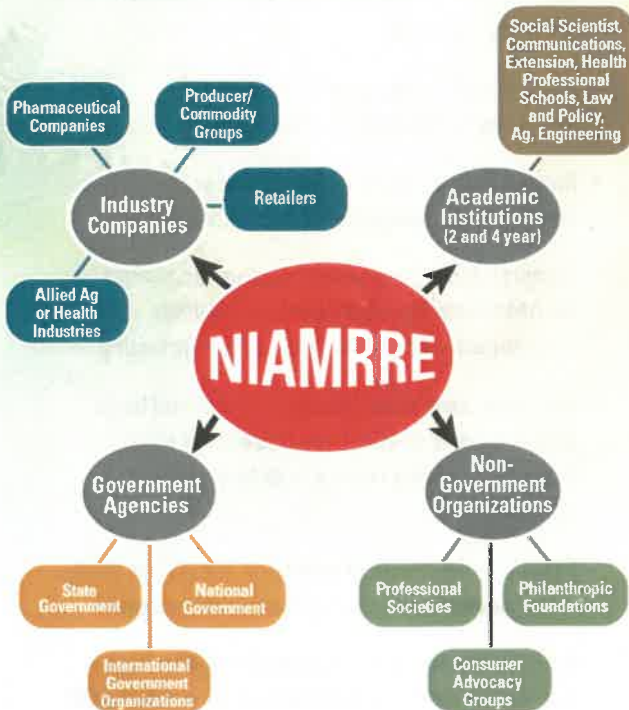


## WE WANT YOU INVOLVED

In the complex landscape of antimicrobial resistance, working together as mutual stakeholders allows for rapid and sustainable progress to be made. We value the input and involvement of all stakeholder groups and hope that you will join our team. Please contact us to see how you can get involved!



### ISU Contact Point for Inquiry:

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# National Institute of Antimicrobial Resistance Research and Education



## VISION

The NIAMRRE will drive collaborative and integrative research, education and engagement to solve AMR challenges and benefit society using a One-Health approach.

## MISSION

The NIAMRRE will provide local, national, and international leadership in combating antimicrobial resistance; generating evidence-based solutions for antimicrobial stewardship; contributing to improvements in the health of animals, humans, and the environment (One Health); and facilitating economically and socially sound policy development and implementation.

## THE REQUIRED APPROACH

Antimicrobial resistance is a complex issue. Interventions to reduce creation of, and exposure to resistant microbes that impact One Health, requires an integrated research, education, and extension approach. We will draw on expertise from basic, translational, and applied scientists in veterinary medicine, agriculture, environmental health, public health, medicine, economics and social sciences. Tackling the challenge of antimicrobial resistance also requires strong stakeholder involvement to verify the relevancy of any proposed abatement and stewardship efforts, and to fully understand the risks, benefits, and potential consequences of changes in policy or management recommendations.

## RESOURCES

- Involvement of over 100 research faculty with expertise in numerous scientific disciplines from multiple academic institutions.
- Involvement of several medical and veterinary teaching hospitals.
- Involvement of researchers from USDA Agricultural Research Service facilities.
- Involvement of leading medical and veterinary clinical bacteriology diagnostic laboratories.
- Comprehensive, accredited testing capabilities for AMR detection by a variety of methods, pharmacokinetic testing, and toxicology testing.
- Validated, diversified offering of small and large animal models of infectious disease for novel hypothesis testing related to AMR treatment and outcome.
- Exceptional network of extension specialists to help disseminate knowledge and research outcomes.
- ISU's Center for Food Security and Public Health is a leader in educational outreach to public health and veterinary communities world-wide.
- Extensive network of state, regional and national commodity, industrial and government stakeholders with interests in AMR.

