

BUILD TRUST / ADD VALUE

The Need for a One Health/One Welfare Approach to Worker Safety and Health in Animal Production

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Background

- Public Health Veterinarian
- Occupational Safety and Health Researcher
- One Health Champion
- National Pork Board, Director of Producer and Public Health



History of One Health



What is One Health?

One Health is a *collaborative, multisectoral, and trans-disciplinary approach* - working at local, regional, national, and global levels - to achieve optimal health and well-being outcomes recognizing the interconnections between **people, animals, plants and their shared environment.**



https://www.onehealthcommission.org/en/why_one_health/what_is_one_health/

One Health

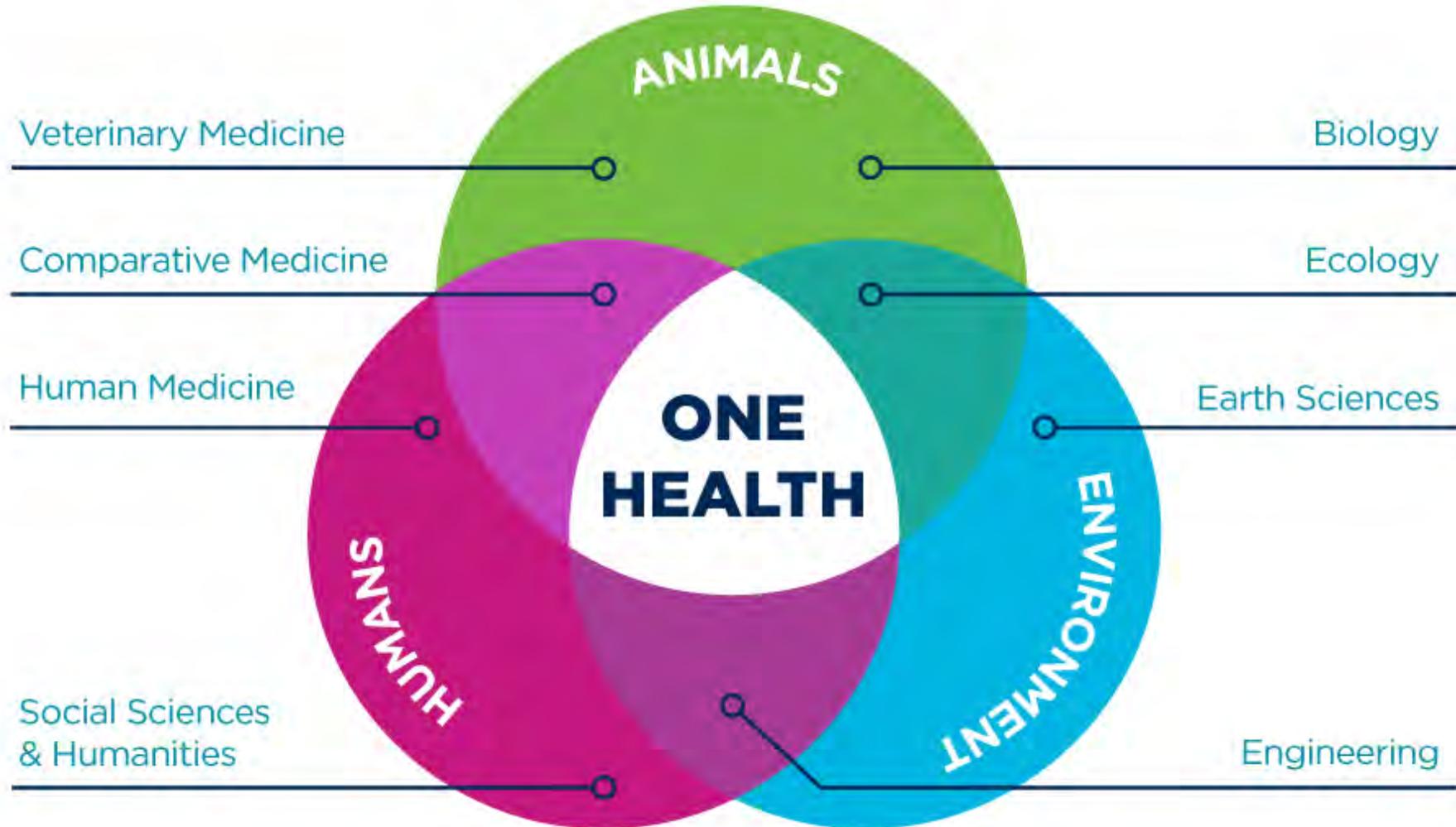
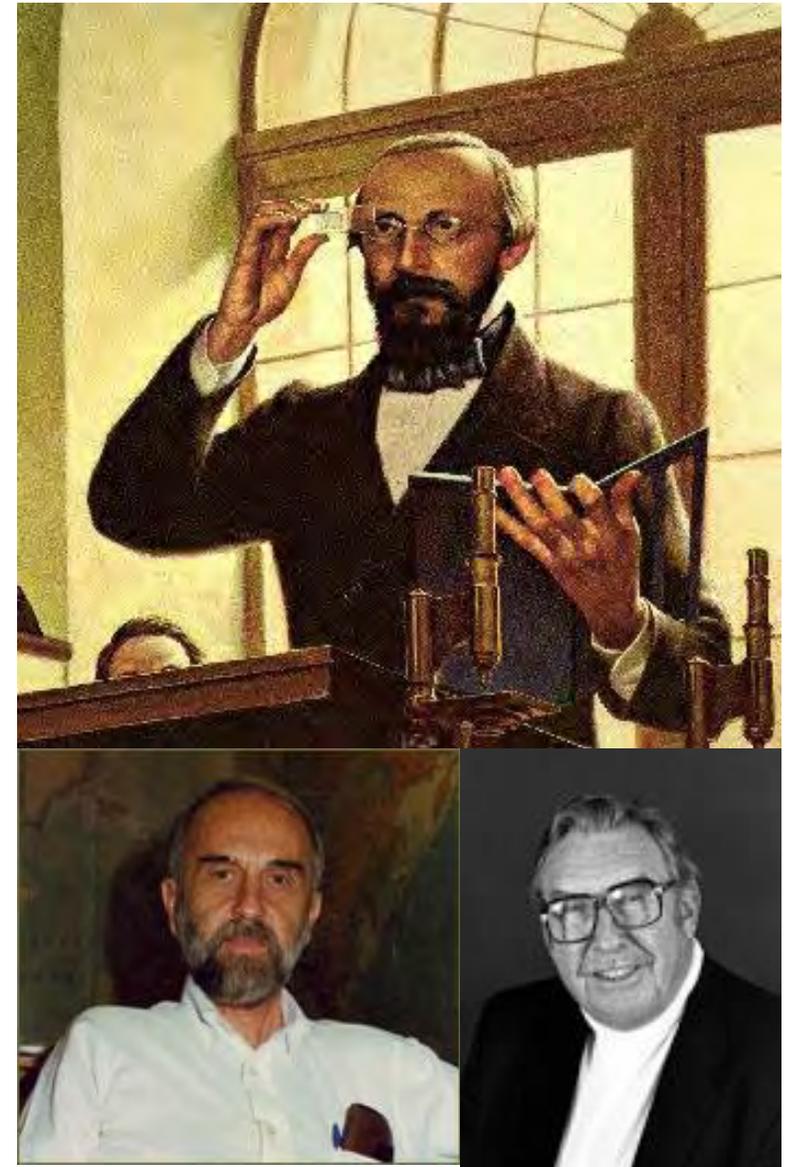


image: <https://www.ucdavis.edu/one-health/collaborations/>

History of One Health

- Rudolf Virchow, 1821-1902
 - Father of comparative Medicine
 - Coined the term “zoonosis”
 - “...between animal and human medicine there are no dividing lines – nor should there be”
- Calvin Schwabe, 1927-2006
 - Veterinary epidemiologist and parasitologist
 - Founder of veterinary epidemiology
 - Coined the phrase “One Medicine”
- James H. Steele, 1913-2013
 - Founded CDC’s VPH division
 - “One World, One Medicine, One Health”



The Blame Game



Working in a One Health Way



SHARED ISSUE(S)



SHARED
SOLUTION(S)



COLLABORATION



INTERDISCIPLINARY
EDUCATION

One Health involves everyone.



Working together is key
to One Health.

Describing One Health

- Phrases
 - Inextricably linked
 - Interconnected
 - Nexus
- Keywords
 - Framework
 - Approach
 - Paradigm
 - Model



Image: <https://www.cdc.gov/onehealth/resource-library/one-health-graphics.html>

Other One Health-related Terms

- Conservation Medicine
 - Planetary Health
 - EcoHealth
 - Convergence Science
 - Interprofessional Education
 - One Welfare
-
- Veterinary Public Health
 - Comparative Medicine
 - Global Health



Image source: <https://www.onewelfareworld.org/>

“..... I think the approach pushes to expand the scope of these terms to define an environment as a workspace such as a lab or a farm, etc...”

One Health in the Swine Industry



Committed to Earning Trust



Our Ethical Principles



Food Safety



Environment



Our People



Animal Well-being



Public Health



Community

*People. Pigs. Planet.*SM

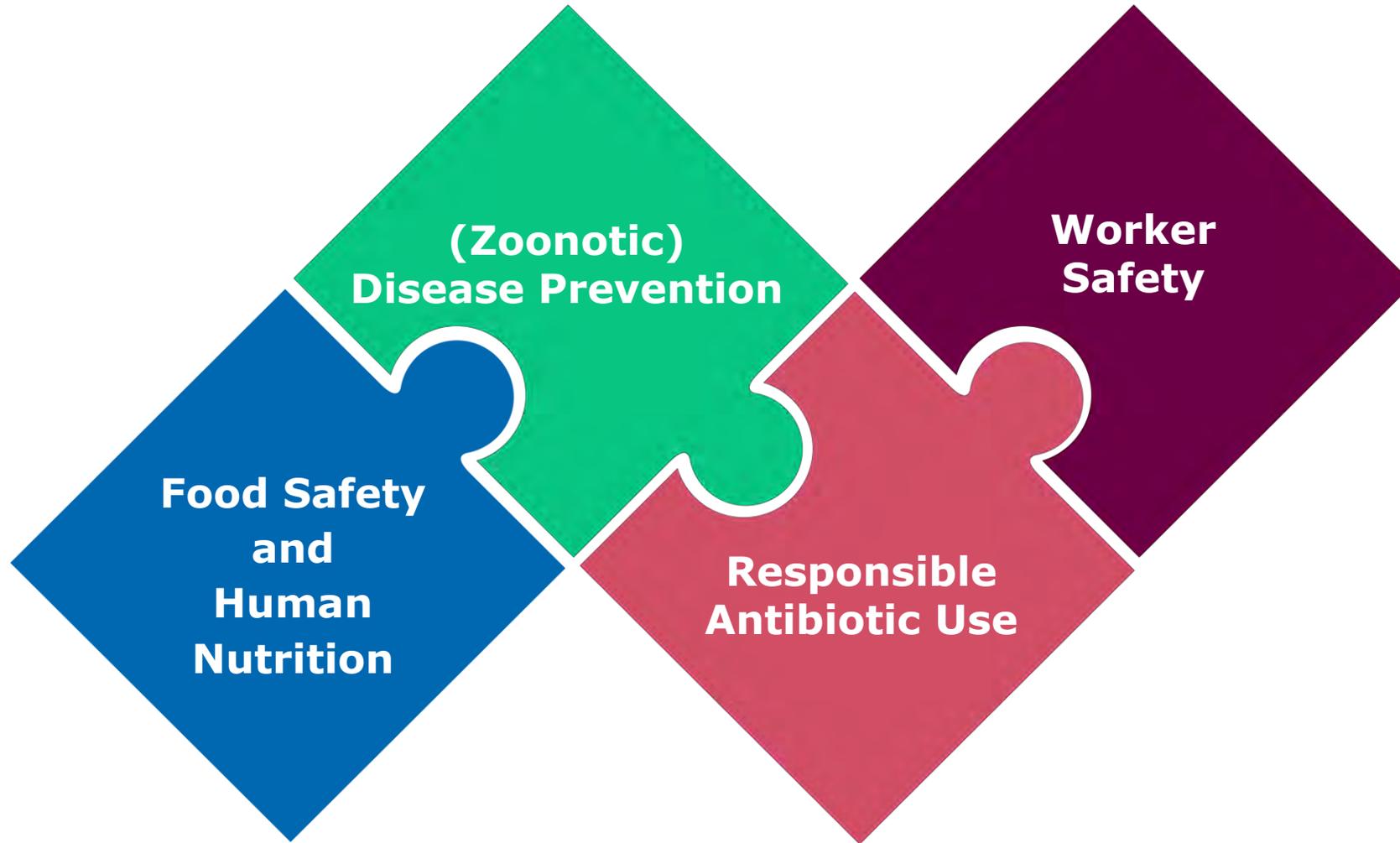
People



Planet

Pigs

Promoting Public Health



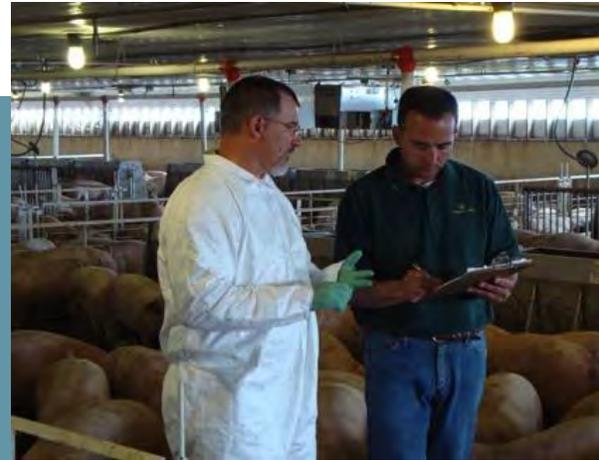
Protecting Animal Health



Animal Housing



Animal Handling



Herd Health



Worker Safety

Promoting Environmental Health

Environmental
Stewardship



Air
Quality



Manure
Management



Healthy
Workplace



*People. Pigs. Planet.*SM

People



Planet

Pigs

PQA Plus® Curriculum

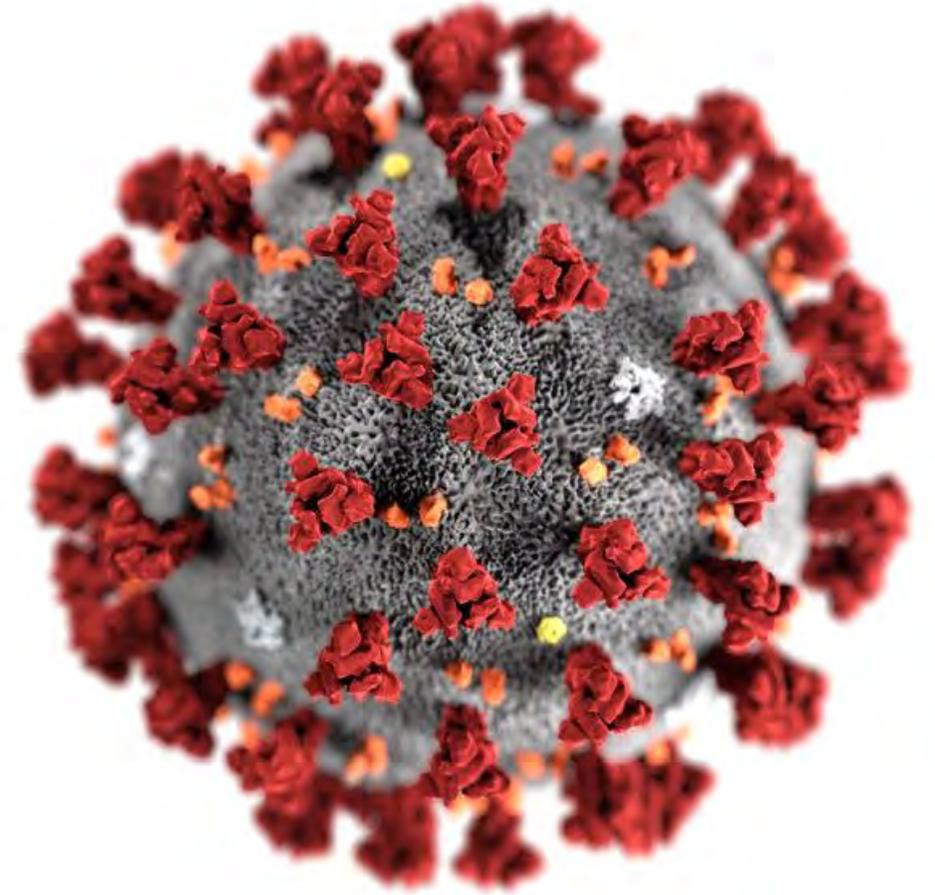


Managing the Impact of COVID-19



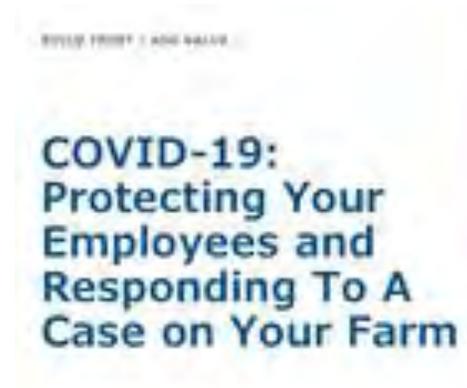
One Health and COVID-19 Response

- Human Health
- Animal Welfare
- Environmental Health



COVID-19 Worker Safety Resources

- Basics of COVID-19
- Prioritizing health in pigs and people
 - Reinforce biosecurity practices
 - Sick leave policies
- Responding to Positive Cases
- COVID-19 Vaccine
- Push and Pull communications
- English and Spanish



COVID-19: PREPARING AND RESPONDING TO A POSITIVE CASE ON YOUR FARM

PREPARE AND MANAGE THE RISK OF COVID-19 ON YOUR FARM

Farms should work to implement prevention practices for COVID-19 on their farms while simultaneously preparing if one or multiple employees were to test positive for COVID-19.



will handle significant absenteeism completed, such as cross

Iture settings to help reduce the

stay home

afe habits at home, including following social distancing rec-

the farm.

ates to work safety and health, worker protections and pro-

(CDC, the Occupational Safety and Health Administration-

ibilities Act.

and disinfecting shared spaces and high contact surfaces

r workplace and implement practices to help reduce the po-

cluding social distancing policies and face coverings.

eping in mind some individuals may not show symptoms.

dia response if you have positive COVID-19 cases on your

farm.

• The National Pork Board has draft statements available for pork producers. For the lat-
est statement please contact the Pork Checkoff Service Center at 800-456-7675. ➡

The image shows a document cover with the "pork checkoff" logo and a blue header. The title is "COVID-19: PREPARING AND RESPONDING TO A POSITIVE CASE ON YOUR FARM". Below the title is a sub-header "PREPARE AND MANAGE THE RISK OF COVID-19 ON YOUR FARM" and a paragraph of text. To the right is an icon of a person wearing a hard hat and a face mask. The bottom of the image shows a list of items, including a link to draft statements for pork producers.

A comment on mental health

- Aspects of the job (and personal life) that negatively affect one's mental health and wellness
- Can lead to the use of positive or negative coping strategies
- Can directly precipitate injury or illness
- Support groups and training (QPR) in veterinary medicine and ag safety and health
- AASV's Heard Vet Veterinarian Support Group



Heard Vet:
Swine Veterinarian Support Group
Terms of Service and Consent Form

Coronavirus crisis puts hog farmers in uncharted territory: Killing their healthy livestock

"It's an absolute last resort that is probably the hardest decision farmers will make in their farming careers," the head of a pork producers association said of euthanizing herds.



Fowler et al 2012 ; image: AASV and <https://www.nbcnews.com/news/us-news/coronavirus-crisis-puts-hog-farmers-uncharted->

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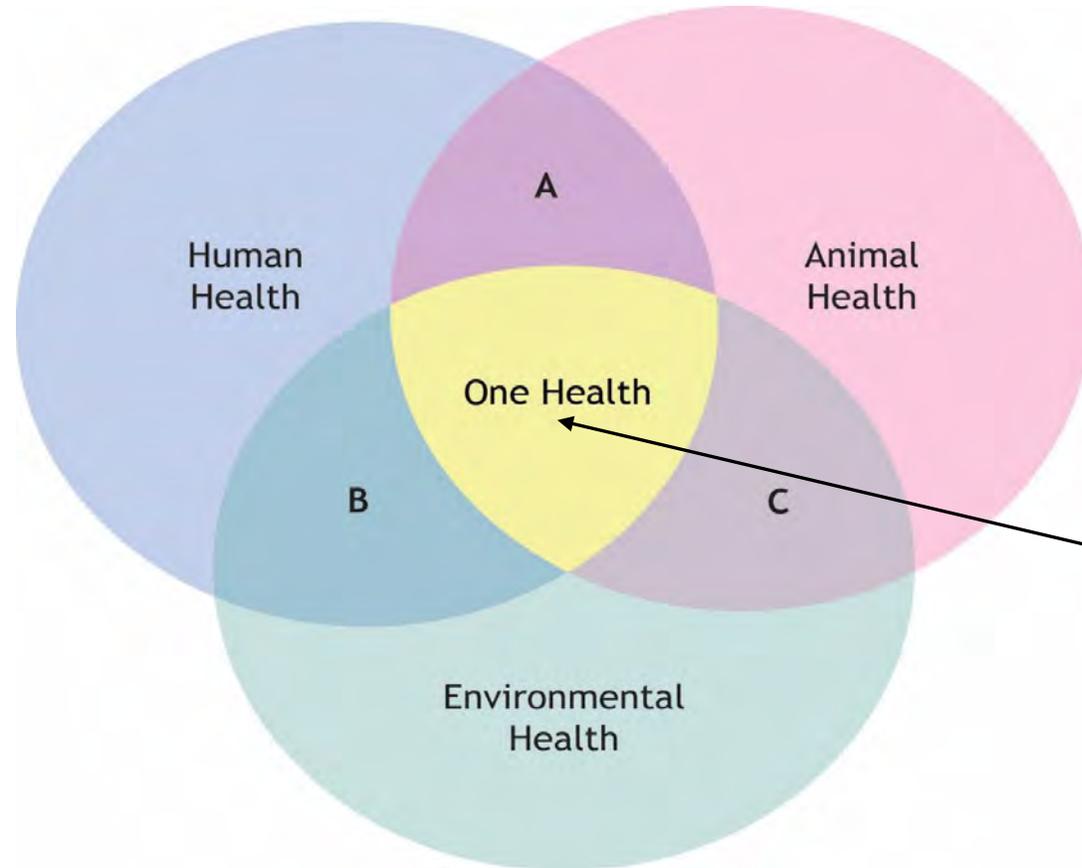


There's Still Work to be Done

- Apply One Health approach to other areas beyond zoonotic disease
- Explore opportunities to improve the welfare and well-being of production animals and their caretakers
 - Maintain a balanced approach to promoting human well-being and protecting animal welfare



Checklist for One Health Epidemiological Reporting of Evidence (COHERE)



One Health Studies need to include Human, Animal, AND Environmental components

What Questions Do You Have?



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pork
checkoff®

This message funded by America's Pork Producers