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.**



One Health

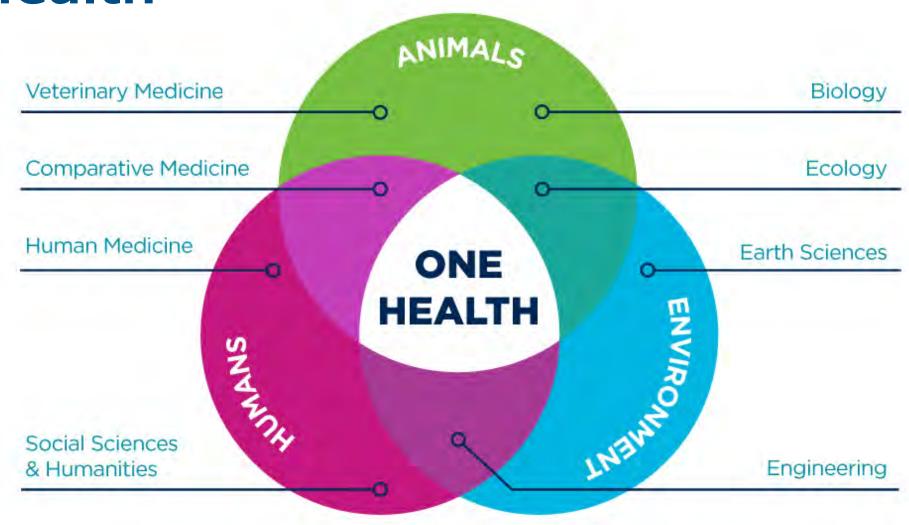
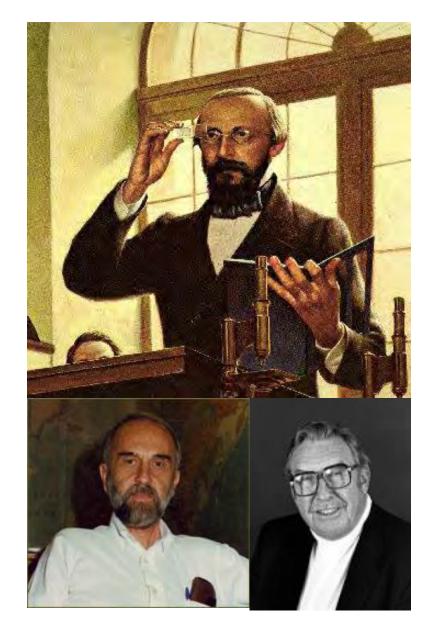


image: https://www.ucdavis.edu/one-health/collaborations/

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"









Working in a One Health Way

SHARED



INTERDISCIPLINARY **EDUCATION**

COLLABORATION SOLUTION(S)

SHARED ISSUE(S)



One Health involves everyone.

Veterinarians COLLABORATING Policymakers Agricultural workers Healthcare workers COORDINATING Epidemiologists Laboratory workers

Working together is key to One Health.

www.cdc.gov/onehealth



Citinate .

Describing One Health

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





U.S. Department of Health and Human Services Centers for Disease Control and Prevention



CONNECTING HUMAN, ANIMAL, AND ENVIRONMENTAL HEALTH

S295032A

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



One Health in Practice environmental ssue 00



Global Examples of Emerging and Re-Emerging Infectious Diseases

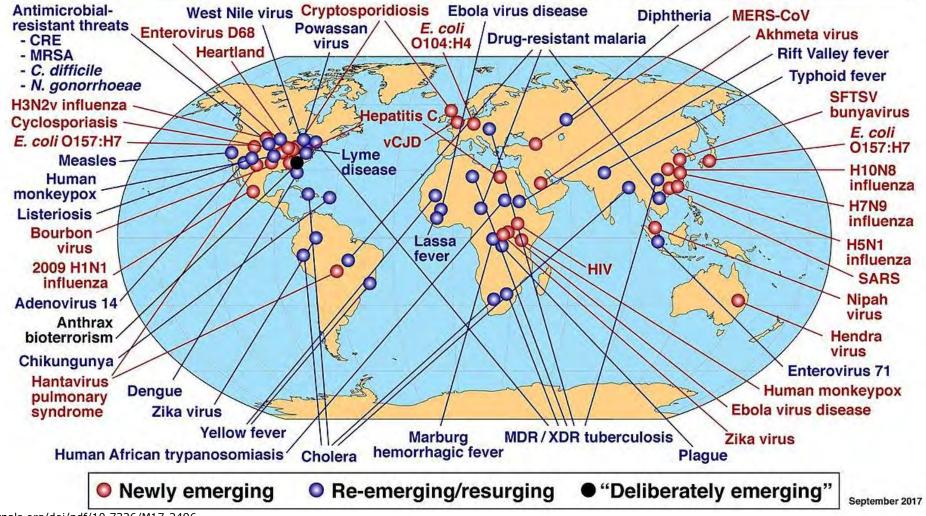


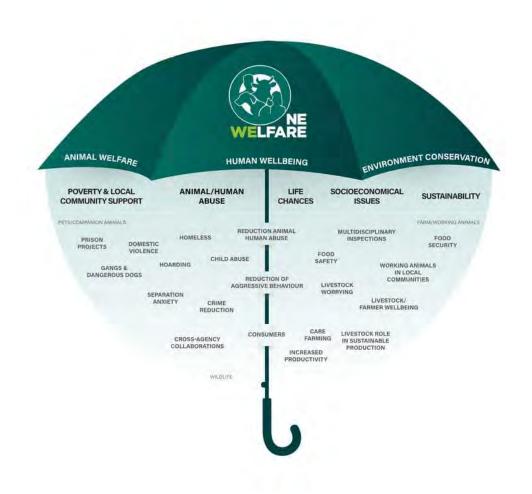


Image : https://www.acpjournals.org/doi/pdf/10.7326/M17-2496

Other One Health-related Terms

- Conservation Medicine
- Planetary Health
- EcoHealth
- Convergence Science
- Interprofessional Education
- One Welfare

- Veterinary Public Health
- Comparative Medicine
- Global Health





"..... 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..."

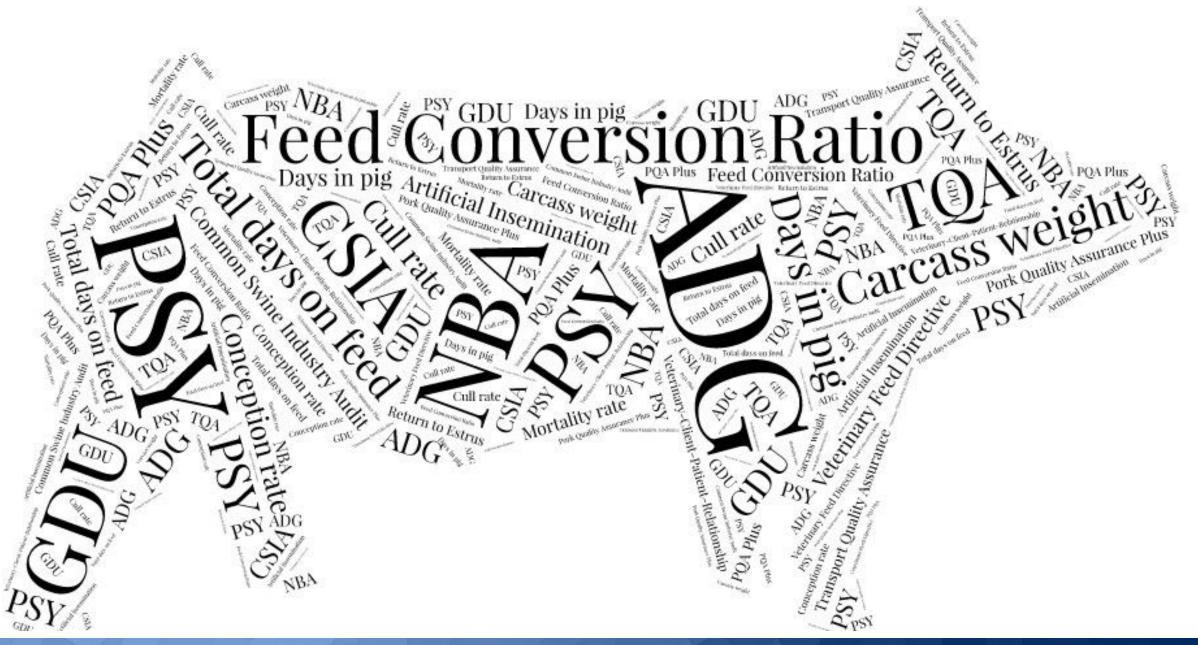
Personal communication (2017)



One Health in the Swine Industry









Committed to Earning Trust





Our Ethical Principles

Our People



Animal Well-being



Public Health



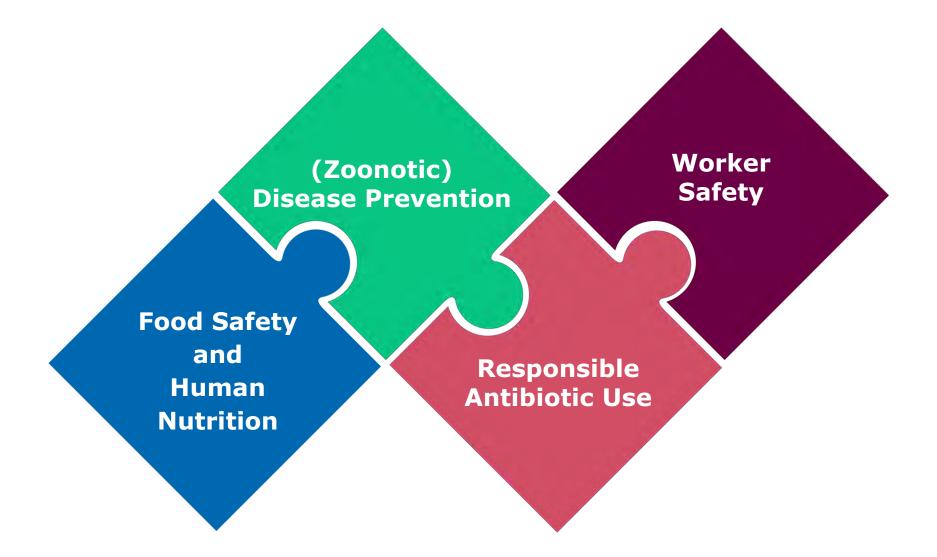
Community







Promoting Public Health





Protecting Animal Health



Animal Housing

Animal Handling

Herd Health

Worker Safety



Promoting Environmental Health

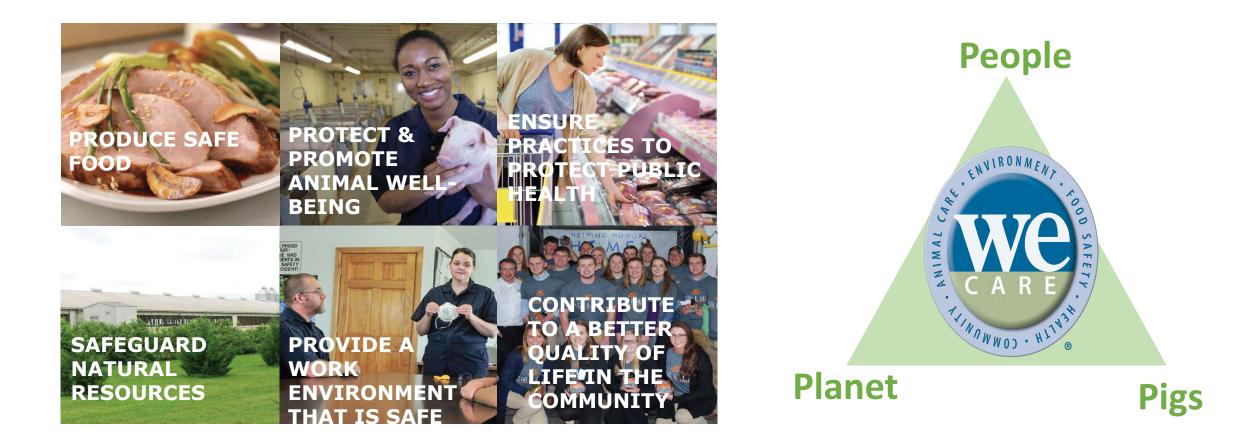








PQA Plus® Curriculum





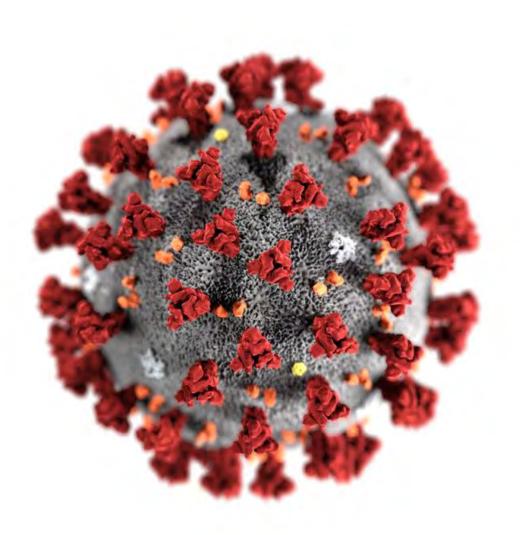
Managing the Impact of COVID-19





One Health and COVID-19 Response

- Human Health
- Animal Welfare
- Environmental Health





NPB COVID-19 Response

- Incident Coordination Center
- Webinars
- E-newsletters
- Proactive ag trade communications
- NEW Resources for Producers
- Multidisciplinary response at the local and national level

	Pork checkoff	Reconsiderion and dispose. The receipts should be estimated to this form. WHERE DEPOPULATION AND DISPOSAL OCCURS. CORMATION		
ANIMAL WELL-BEING			Dute	
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Well-being and Financial Implicat	lions			
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 Any pig with an entrewel prolapse that has become recentle double be esthanted. Usy immediately. Note that treatment may include removal from the group. 	rise prolapses must be exthanized.			-
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Spannin pdf Cost Implications	and some time to be a set of the			
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J Try applying timely exchanistic protocols, producers can reduce input costs, such as feed and pigs that are not likely to recover so respond in treatment.	medication, given to			
Histoned Pork Board 800-456-7575 park.org				



COVID-19 Worker Safety Resources

BUTCHER PROMPT I ADDI ADDIDE

COVID-19:

Protecting Your

Employees and

Responding To A

Case on Your Farm

- 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 while semultaneously preparing if one or multiple employees were to tarms while semultaneously preparing if one or multiple employees were to tarms while semultaneously preparing if one or multiple employees were to tarms while semultaneously preparing if one or multiple employees were to

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ates to work safety and health, worker protections and pro-COLC, the Occupational Safety and Health Administrationisabilities Act.

und diamherting shared spaces and high contact surfaces

r workplace and implement practices to help reduce the poreluding social distaticing policies and face coverings.

eping in mind some individuals may not show symptoms.

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

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



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 amd https://www.nbcnews.com/news/us-news/coronavirus-crisis-puts-hog-farmers-uncharted-



People. Pigs. Planet.™





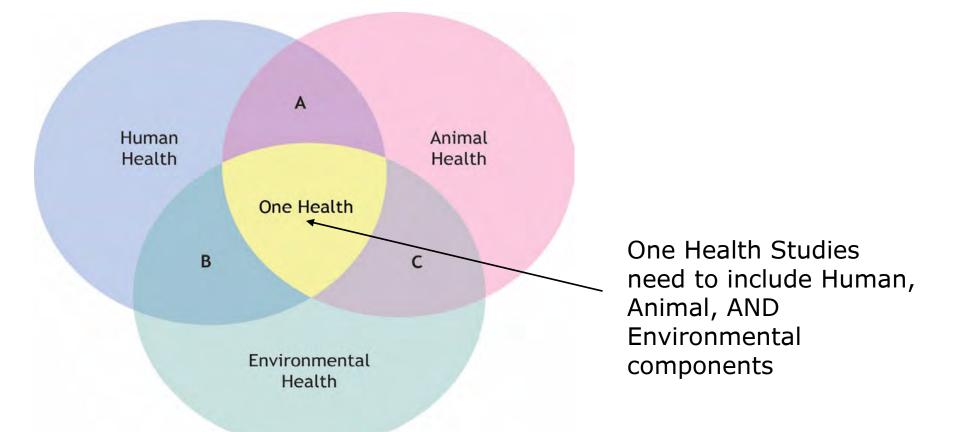
There's Still Work to be Done

- 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)



https://www.sciencedirect.com/science/article/pii/S2352771417300022

What Questions Do You Have?







This message funded by America's Pork Producers

