WVA/WMA GLOBAL CONFERENCE ON ONE HEALTH
Thursday, 21st May – Friday, 22nd May 2015
Madrid, Spain

Drivers towards One Health
“Strengthening collaboration between Physicians and Veterinarians”
CONFERENCE FOCUS

• Zoonotic diseases
• Antimicrobial resistance
• Natural disaster management – Preparedness and vet-med collaboration
• Environmental hazards exposure to humans and animals
ONE HEALTH INITIATIVE: THE BIGGER PICTURE

http://www.onehealthinitiative.com/

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HUMAN-ANIMAL CONNECTION

Food (wild and domesticated), transportation, sport, research......and companionship
THE HUMAN-ANIMAL CONNECTION

- 57% US homes have pets\(^1\)
- More households with pets than children (46\%)\(^2\)
- 93% of pet owners would risk their life for their pet\(^3\)
- 50% of pet owners would choose their pet as their single companion if stranded on a deserted island\(^3\)

1. AVMA Market Research Statistics; 2007
2. US Census
ONE HEALTH

The collaborative effort of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals and our environment.
One Health Initiative will unite human and veterinary medicine

The One Health Initiative is a movement to forge co-equal, all inclusive collaborations between physicians, osteopaths, veterinarians, dentists, nurses and other scientific-health and environmentally related disciplines, including the American Medical Association, American Veterinary Medical Association, American Academy of Pediatrics, American Nurses Association, American Association of Public Health Physicians, the American Society of Tropical Medicine and Hygiene, the Centers for Disease Control and Prevention (CDC), the United States Department of Agriculture (USDA), and the U.S. National Environmental Health Association (NEHA). Additionally, more than 700 prominent scientists, physicians and veterinarians worldwide have endorsed the initiative.

Emerging and Reemerging infections - 70% vector-borne or zoonotic
THE HIPPOCRATIC OATH

I swear by Apollo Physician and Asclepius and Hygeia and Panacea and all the gods and goddesses, making them my witness, that I will fulfill according to my ability and judgment this oath and this covenant.
Sanitary Privies Are Cheaper Than Coffins

For Health’s Sake let’s keep this Privy CLEAN. Bad privies (and no privies at all) are our greatest cause of Disease. Clean people or families will help us keep this place clean. It should be kept as clean as the house because it spreads more diseases.

The User Must Keep It Clean Inside. Wash the Seat Occasionally

How to Keep a Safe Privy:

1. Have the back perfectly screened against flies and animals.
2. Have a hinged door over the seat and keep it CLOSED when not in use.
3. Have a bucket beneath to catch the Excreta.
4. VENTILATE THE VAULT.
5. See that the privy is kept clean inside and out, or take the blame on yourself if some member of your family dies of Typhoid Fever.

Some of the Diseases Spread by Filthy Privies:

Typhoid Fever, Bowel Troubles of Children, Dysenteries, Hookworms, Cholera, some Tuberculosis.

The Flies that You See in the Privy Will Soon Be in the Dining Room.

Walker County Board of Health
THE VETERINARY OATH

I solemnly swear to use my scientific knowledge and skills for the benefit of society through the protection of animal health, the relief of animal suffering, the conservation of animal resources, **the promotion of public health**, and the advancement of medical knowledge.
ENVIRONMENTAL HEALTH

1. Food and Water Safety
2. Zoonoses and Vectorborne Disease Prevention and Control
3. Safe and Healthy Places
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FSMA Framework for Food Safety

- Human Food
- Produce Safety
- Imports
  - Foreign Supplier Verification
  - Accredited Third Party Certification
- Animal Food
YOU TRY SOME FIRST!...
Meat Production
Territory size shows the proportion of worldwide meat production that occurs there.

Meat Consumed
Territory size shows the proportion of worldwide meat (including animal products) consumption that occurs there.

World Population
AN ECONOMIC PERSPECTIVE

- Projected livestock needs create new ecosystem stresses
- Highly interconnected systems are vulnerable to epidemics
- Policy responses must take the long view

Source: Center for Global Food Issues
Bushmeat
XI International Conference on AIDS
Vancouver, Canada
July 7–12, 1996
FOOD SAFETY

[Image of a faucet with pills and capsules.]

[Image of a poultry farm with chickens.]
DRINKING WATER

- Pesticides/Fertilizers
- Cattle Dipping Vats
- CAFOs
- Hazardous Waste Sites
- Landfills
- Miscellaneous Spills
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THREATS DUE TO POOR DESIGN
ENVIRONMENTAL RISKS ARE RESPONSIBLE FOR MOST CHRONIC DISEASES

- Heart disease
- Diabetes
- Cancer
- Obesity
GLOBAL HEALTH
ONE HEALTH IN ALL POLICIES
LINKAGES BETWEEN POLICIES AND INTERVENTIONS, HEALTH DETERMINANTS AND THE RESULTING HEALTH OUTCOMES
Thank you

Enjoy the conference!

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