



<http://www.onehealthinitiative.com/>

***“One Health is the collaborative efforts of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals, plants and our environment.”***

*“One Health implementation will help protect and/or save untold millions of lives in our generation and for those to come.”*

*“Between animal and human medicine there are no dividing lines--nor should there be.”* Rudolf Virchow, MD (the father of cellular pathology)

Posted on the One Health Initiative website's NEWS

<http://www.onehealthinitiative.com/news.php>, Publications

<http://www.onehealthinitiative.com/publications.php> and Twitter

<https://twitter.com/> pages, May 13, 2015 by the One Health Initiative

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## **“ONE HEALTH”, a significant international public health/comparative medicine paradigm shift! Why? How?**

“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), the U.S. National Environmental Health Association (NEHA) and many others worldwide <http://www.onehealthinitiative.com/supporters.php>”.

The One Health concept was embraced in an historic comprehensive American Veterinary Medical Association (AVMA) task force report <http://www.onehealthinitiative.com/taskForce.php> which essentially remains

a valid, contemporary roadmap for establishing and implementing the One Health approach nationally and internationally. Incorporated therein was the establishment of an implementing One Health Commission  
[www.onehealthcommission.org](http://www.onehealthcommission.org).

To demonstrate the momentum of the One Health movement to date, note that the World Veterinary Association and the World Medical Association will be holding a first ever landmark One Health collaborative conference in Madrid, Spain May 21-22, 2015

<http://www.onehealthinitiative.com/news.php?query=Reminder+Notice%3A+Historic+milestone+physician%2Fveterinarian+global+One+Health+conference%85>

Out of a multitude of One Health achievement examples during the 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> centuries, see the extraordinary tip of the iceberg below:

These include public health and comparative medicine issues such as *Heart Disease, Cancer, Orthopedic Disease, Anesthesiology, Obesity, Parasitic Diseases, Tuberculosis, Global Infectious Disease, Influenza, Human Hepatitis C virus, Tickborne Diseases, Food Safety, Hendra virus vaccine, Aspergillus felis, Immunizations (vaccinations), Lou Gehrig's Disease, Ebola, Antibiotic Use and Resistance, Staphylococcus resistant infections, Environmental health Policymaking, Crimean-Congo hemorrhagic fever viruses, Rinderpest, Emergency/Disaster preparedness* and many others.

1. "One Health in Action" term first coined in 2007  
[http://www.izs.it/vet\\_italiana/2009/45\\_1/195.pdf](http://www.izs.it/vet_italiana/2009/45_1/195.pdf)
2. "One Medicine/One Health": Personal Reflections of a True Believer <http://www.pitt.edu/~super4/33011-34001/33431.pdf>
3. **Heart Disease:** "First Flexible Coil Balloon Expandable Intracoronary Stent Development for Humans"  
<http://www.onehealthinitiative.com/news.php?query=%93ONE+HEALTH+in+Action%94+-+First+Flexible+Coil+Balloon+Expandable+Intracoronary+Stent+Development+for+Humans>
4. **Cancer:** Massachusetts Institute of Technology (USA) researchers demonstrated how the hormone estrogen protects women from gastric (stomach) inflammation that can lead to cancer  
<http://www.onehealthinitiative.com/news.php?query=Massachusetts+Institute+of+Technology+%28USA%29+study+explains+why+men+are+at+higher+risk+for+stomach+cancer+than+women>
5. **CANCER vaccine and other investigations:**  
<http://www.onehealthinitiative.com/news.php?query=cancer+vaccine>

6. **Orthopedic Disease:** Missouri (USA) Orthopaedic Institute doctors (physician(s) and veterinarian) research human biological joint replacements and therapy  
<http://www.voxmagazine.com/2014/12/the-doctor-is-in/>;  
<http://www.muhealth.org/locations/missouriorthopaedicinstitute/> and  
<http://www.onehealthinitiative.com/news.php?query=Orthopedic+Surgeons+%28a+veterinarian+and+physician%29+Research+Creative+Hip+and+Knee+Replacements+for+Dogs+and+Humans+Together+>
7. **Anesthesiology:** Physician/veterinarian group establish comparative medicine "One Health, One Medicine, One Anesthesiology" collaborative program (2015)  
<http://www.onehealthinitiative.com/news.php?query=The+SI+AARTI+Study+Group+in+Animal+Anesthesia+%28Naples%2C+Italy%29+Issues+Strong+One+Health+Endorsement+Message%3A+Recommends+Applying+Comparative+Medicine+One+Health+Approach+to+human+and+animal+anesthesiology>
8. **Obesity:** Comparative Aspects of Human, Canine, and Feline Obesity and Factors Predicting Progression to Diabetes  
<http://www.mdpi.com/2306-7381/1/2/121>
9. The Case For A "One Health" Paradigm Shift  
<http://www.onehealthinitiative.com/news.php?query=The+Case+For+A+%22One+Health%22+Paradigm+Shift+-+Reprinted+with+permission+from+ALN+Europe%99+www.aIneurope.com+>
10. **Parasitic Diseases:**  
<http://www.parasitesandvectors.com/content/pdf/1756-3305-2-36.pdf>
11. **Tuberculosis** in Animals and Humans: A One Health Approach:  
<http://www.onehealthinitiative.com/news.php?query=Tuberculosis+in+Animals+and+Humans%3A+A+One+Health+Approach>
12. Landmark 'One Health' book 2010  
<http://www.onehealthinitiative.com/news.php?query=Landmark+%91One+Health%92+book+receives+favorable+review+>
13. Other notable One Health textbooks available include Zoonoses – Protecting People and Their Pets [:: Click Here ::](#) - 1st Edition (2013); Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria [:: Click Here ::](#) - 3rd Edition (2014) and Confronting Emerging Zoonoses: The One Health Paradigm (2014) [:: Click Here ::](#).
14. Available One Health Newsletter and four One Health Journals to date: <http://epi.ufl.edu/onehealth/news/one-health-newsletter/>,

- <http://www.infectionecologyandepidemiology.net/index.php/iee>, <http://www.mdpi.com/journal/vetsci>, <http://www.onehealthjournal.org/> and <http://www.journals.elsevier.com/one-health>.
15. U.S. Centers for Disease Control and Prevention (CDC) <http://www.cdc.gov/onehealth/> and [http://www.cdc.gov/genomics/public/features/one\\_health.htm](http://www.cdc.gov/genomics/public/features/one_health.htm)
  16. CDC (USA) Grand Rounds: Discovering New Diseases via Enhanced Partnership Between Public Health and Pathology Experts:  
<http://www.onehealthinitiative.com/news.php?query=CDC+Grand+Rounds%3A+Discovering+New+Diseases+via+Enhanced+Partnership+Between+Public+Health+and+Pathology+Experts>
  17. Global Programs & Initiatives  
<http://www.globalhealth.gov/global-programs-and-initiatives/one-health/index.html>
  18. Prominent Swedish Physician Advocates One Health Principles to Fight **Global Infectious Disease[s]**  
<http://www.onehealthinitiative.com/news.php?query=Prominent+Swedish+Physician+Advocates+One+Health+Principles+to+Fight+Global+Infectious+Disease>
  19. Multidisciplinary "One Health" Paper Published by UK Physician and Team  
<http://www.onehealthinitiative.com/news.php?query=Recent+Multidisciplinary+%93One+Health%94+Paper+Published+by+UK+Physician+and+Team>
  20. **Influenza**: One Health In Action (Australia):  
[http://www.onehealthinitiative.com/publications/isirv\\_Respiratory\\_Virus\\_Rep\\_Summer\\_2011.pdf](http://www.onehealthinitiative.com/publications/isirv_Respiratory_Virus_Rep_Summer_2011.pdf)
  21. One Health potential: Promising Animal model for **Human Hepatitis C virus** <http://epi.ufl.edu/onehealth/> (USA) and <http://www.onehealthinitiative.com/news.php?query=One+Health+potential%3A+Promising+Animal+model+for+Human+Hepatitis+C+virus>
  22. One Health Initiative: Fat Cat?: *Center for Veterinary Medicine, U.S. Food and Drug Administration*  
<http://www.fda.gov/AnimalVeterinary/ResourcesforYou/AnimalHealthLiteracy/ucm278139.htm>
  23. Canine Models of Human Diseases:  
<http://www.onehealthinitiative.com/news.php?query=A+One+Health+model...Canine+Models+of+Human+Diseases>
  24. PRIMATOLOGY CAN PROVIDE CRITICAL LINKS FOR THE "ONE HEALTH INITIATIVE":  
<http://www.onehealthinitiative.com/news.php?query=PRIMATOLOGY>

[OLOGY+CAN+PROVIDE+CRITICAL+LINKS+FOR+THE+%93ONE+HEALTH+INITIATIVE%94](#)

25. One Health and **Tickborne Diseases**:  
<http://www.onehealthinitiative.com/news.php?query=One+Health+and+Tickborne+Diseases>
26. Practicing “One Health” for the Human Health Clinician (Physicians, Osteopaths, Physician Associates, Nurse Practitioners, Other Human Health Care Providers)  
<http://www.onehealthinitiative.com/publications/Practicing%20One%20Health%20Human%20Health%20Care%20Providers%20April%202012.pdf>
27. One Health more than a name...it represents efficacious, economical approach to protecting and saving lives!  
<http://www.onehealthinitiative.com/news.php?query=One+Health+more+than+a+name...it+represents+efficacious%2C+economical+approach+to+protecting+and+saving+lives%21>
28. The business case for One Health  
<http://www.ojvr.org/index.php/ojvr/article/view/725/993>
29. Improving **Food Safety** Through a One Health Approach (Institute of Medicine USA)  
<http://www.iom.edu/Reports/2012/Improving-Food-Safety-Through-a-One-Health-Approach.aspx>
30. **Hendra Virus Vaccine**: A Classical Example of One Health:  
[http://www.onehealthinitiative.com/news.php?query=\\*Hendra+Virus+Vaccine%3A++A+Classical+Example+of+One+Health](http://www.onehealthinitiative.com/news.php?query=*Hendra+Virus+Vaccine%3A++A+Classical+Example+of+One+Health)
31. **Aspergillus felis** – One-health & Public Health Implications (“Invasive aspergillosis is a global health concern with high mortality rates and treatment costs. It is an Emerging Agent of Invasive Aspergillosis in Humans, Cats, and Dogs (Australia)”)  
<http://www.onehealthinitiative.com/publications/A.felis%20PoroMED%20FINAL%20June%2028%202013.pdf>
32. **Immunization (vaccination)** against diseases transmitted from animals to humans: A potential dynamic large scale “One Health in Action” case for implementing the One Health approach through a visionary preventive public health process  
<http://www.onehealthinitiative.com/publications/Thomas%20OP.%20Monath,%20MD%20Sept%202013%20One%20Health%20Vaccine%20Article.pdf>
33. Coughs and sneezes, bats, birds, pigs and you:  
<http://www.onehealthinitiative.com/publications/Coughs%20and%20sneezes,%20bats,%20birds,%20pigs%20and%20you%20FINAL%20BK%20edits.pdf>

34. Hospital personnel need greater awareness of [One Health] animal-to-human disease threats  
<http://www.onehealthinitiative.com/news.php?query=Hospital+personnel+need+greater+awareness+of+animal-to-human+disease+threats>
35. **Lou Gehrig's Disease** Studied by Veterinarians May Elucidate Understanding of Human Illness  
<http://www.onehealthinitiative.com/news.php?query=Lou+Gehrig%2s+Disease+Studied+by+Veterinarians+May+Elucidate+Understanding+of+Human+Illness>
36. An Acellular Biologic Scaffold Promotes Skeletal Muscle Formation in Mice and Humans with Volumetric Muscle Loss  
<http://www.onehealthinitiative.com/news.php?query=A+significant+One+Health+translational+medicine+research+approach%85Regrowth+of+injured+muscles+in+mice+and+humans+has+been+demonstrated+by+a+multidisciplinary+research+team+-+%93An+Acellular+Biologic+Scaffold+Promotes+Skeletal+Muscle+Formation+in+Mice+and+Hu>
37. **Ebola**: A One Health related Ebola Epidemic Chronology project - Department of Biomedical Informatics, University of Pittsburgh (USA)  
<http://www.onehealthinitiative.com/news.php?query=A+One+Health+related+Ebola+Epidemic+Chronology+project+-+Department+of+Biomedical+Informatics%2C+University+of+Pittsburgh+%28USA%29>
38. **Antibiotic Use and Resistance**: Moving Forward Through Shared Stewardship [includes One Health approach]  
<http://animalagriculture.org/Resources/Documents/Conf%20-%20Symp/Symposiums/2014%20Antibiotics/2014%20ABX%20White%20Paper.pdf>,  
<http://www.onehealthinitiative.com/news.php?query=Bella+Moss> and  
<http://www.onehealthinitiative.com/news.php?query=Texas+a+%26+m>
39. **Environmental Policymaking**  
[http://www.onehealthinitiative.com/publications/geog\\_seminar\\_spr\\_15\\_chaney.pdf](http://www.onehealthinitiative.com/publications/geog_seminar_spr_15_chaney.pdf)
40. *"Crimean-Congo hemorrhagic fever viruses from Greece and surrounding countries allowed an increasing "One Health approach" to studies of this emerging virus."*

<http://www.onehealthinitiative.com/news.php?query=%93What%92s+in+a+name%3F%94++Plenty%21>

41. **Rinderpest vaccine:** 'One Health in Action' example where veterinary medicine contributed significantly to human well-being

<http://www.onehealthinitiative.com/news.php?query=%85a+%91One+Health+in+Action%92+example+of+where+veterinary+medicine+has+contributed+significantly+to+human+well-being+>

42. **Emergency/Disaster preparedness**

<http://www.onehealthinitiative.com/news.php?query=One+Health+and+emergency+preparedness> and  
<http://veterinaryrecord.bmj.com/content/176/19/476.full>

All One Health information contained in this posting has been chronicled on the One Health Initiative website's NEWS and other pages since October 2008.

Summary: The One Health "big picture" view via the "One Health Umbrella" graphic developed by One Health Sweden in collaboration with the One Health Initiative Autonomous *pro bono* team

<http://www.onehealthinitiative.com/news.php?query=The+One+Health+%93big+picture%94+view+via+the+%93One+Health+Umbrella%94+graphic+>