

# One Health Core Competencies

This compilation of publications focuses on (academic) Core Competencies needed for implementing a One Health approach.

## See also:

- the [One Health Tools and Toolkits](https://tinyurl.com/OHC-OH-Toolkits) webpage <https://tinyurl.com/OHC-OH-Toolkits>
- the [One Health Workforce Academies International Board of One Health Examiners](https://onehealthworkforceacademies.org/about-us/) <https://onehealthworkforceacademies.org/about-us/>
- [Who's Who in One Health Organizations – Academic](https://tinyurl.com/OHC-WW-A) <https://tinyurl.com/OHC-WW-A>
- [One Health \(Education\) Opportunities Bulletin Boards](https://tinyurl.com/OHC-OH-Opportun) <https://tinyurl.com/OHC-OH-Opportun>

If you are aware of additional publications on One Health Core Competencies that need to be included here please notify [ohc@onehealthcommission.org](mailto:ohc@onehealthcommission.org)

## 2024

[USAID One Health Workforce Next Generation Competency Domains Flier](https://www.onehealthcommission.org/documents/filelibrary/why_one_health/USAID_OH_Workforce_Next_GenerationC_5DBF8C8C3245A.pdf) - pdf  
[https://www.onehealthcommission.org/documents/filelibrary/why\\_one\\_health/USAID\\_OH\\_Workforce\\_Next\\_GenerationC\\_5DBF8C8C3245A.pdf](https://www.onehealthcommission.org/documents/filelibrary/why_one_health/USAID_OH_Workforce_Next_GenerationC_5DBF8C8C3245A.pdf)

## 2023

[Advancing One Health: Updated core competencies](https://doi.org/10.1079/cabionehealth.2023.0002), Laing, G. *et al.* (2023), *CABI One Health*. CABI International. <https://doi.org/10.1079/cabionehealth.2023.0002>

## 2022

[Clarifying core competencies in One Health doctoral education: The central contribution of systems thinking](https://doi.org/10.1016/j.oneear.2022.03.005), Rocheleau JP, Aenishaenslin C, Boisjoly H, Richard L, Zarowsky C, Zinszer K, Carabin H, *One Earth*, Vol. 5, Issue 4, 2022, pp. 311-315, <https://doi.org/10.1016/j.oneear.2022.03.005>

[One Health Workforce Competency Framework and Evaluation Toolkit, Version II](https://tinyurl.com/mrxjh4wk), Kassa G, Raether C, Rabkin M, Tsiouris F, Michaels-Strasser S, August 2022, One Health Workforce Next Generation publication hosted by USAID, One Health Institute – UC Davis, AFROHUN, SEAOHUN, EcoHealth Alliance, Ata Health Strategies, ICAP Global Health-Columbia U, UC Berkeley, ECHO, and U California Irvine, <https://tinyurl.com/mrxjh4wk>

[One Health Workforce Next Generation Year 3 Annual Report, October 1, 2021 – September 30, 2022](https://pdf.usaid.gov/pdf_docs/PA00ZVT3.pdf), Prepared by OHWF-NG Global Consortium, One Health Institute, School Veterinary Medicine, U California, Davis. [https://pdf.usaid.gov/pdf\\_docs/PA00ZVT3.pdf](https://pdf.usaid.gov/pdf_docs/PA00ZVT3.pdf)

[Competencies for One Health Workforce Quality Assurance: Disciplinary Diversity and Consensus in a Global eDelphi Panel](#), Ogunseitan O, International Journal of Infectious Diseases, Volume 116, S67 - S68, March 2022

## 2021

[Shared Curricula and Competencies in One Health and Health Professions Education](#). Larsen RJ, *Med.Sci.Educ.* **31**, 249–252 (2021). <https://doi.org/10.1007/s40670-020-01140-7>

## 2020

[One Health Workforce Resource Library, Competency Framework, and Evaluation Toolkit](#)  
<https://onehealthworkforceacademies.org/about-one-health/>

[Core Competencies in One Health Education](#), <https://tinyurl.com/3c64hbsz>

[WHO-ASPHER Competency Framework for the Public Health Workforce in the European Region \(2020\)](#). WHO – Europe Region and the Association of Schools of Public Health in the European Region (ASPHER) created this document for policy-makers, human resources for health planners and professionals with a particular interest in the public health workforce, and other stakeholders, such as education institutions, public health institutes and others responsible for implementing policy and professional organizations. The document incorporates One Health and health security as a major category under Content and Context. See pages 12, 18, and 41. <https://tinyurl.com/5n7cbwnx>

## 2019

[One Health–One Education: Medical and Veterinary Inter-Professional Training](#), Wilkes MS, Conrad PA, Winer JN, *Journal of Veterinary Medical Education*, Vol. 46, No. 1, 2019, pp. 14-20, DOI: 10.3138/jvme.1116-171r

## 2018

[Core Competencies in One Health Education: What Are We Missing?](#) Togami E, Gardy JL, Hansen GR, Poste GH, Rizzo DN, Wilson ME, and Mazet JAK. 2018. *NAM Perspectives*. Discussion Paper, National Academy of Medicine, Washington, DC. <https://doi.org/10.31478/201806a>.

[A Step-by-Step Approach to Applying One Health Core Competencies in Academic Programs](#)  
<https://tinyurl.com/2p8p749s>

SOURCE: Togami et al., "Core Competencies in One Health Education: What Are We Missing?," National Academy of Medicine. <https://doi.org/10.31478/201806a>

[One health in our backyard: Design and evaluation of an experiential learning experience for veterinary medical students](#), Mor SM, Norris JM, Bosward KL, Toribio JLML, Ward MP, Gongora J, Vost M, Higgins PC, McGreevy PD, White PJ, Zaki S, *One Health*. 2018 Jun; 5: 57–64. Published online 2018 May 2. <https://www.ncbi.nlm.nih.gov/pubmed/29911166>

**[Building a framework for the design and implementation of One Health curricula in East and Central Africa: OHCEAs One Health Training Modules Development Process](#)**. Amuguni H, Bikaako W, Naigaga I, Bazeyo W., *One Health*. 2018 Sep 8;7:002-2. doi: 10.1016/j.onehlt.2018.08.002.

- Identification of One Health Core Competencies for Africa
- Development of One Health training modules for a multidisciplinary workforce
- Integration of One Health competencies into courses and curricula
- A framework for the design and implementation of One Health curricula for professionals who impact disease detection prevention and response

## 2017

**[One Health education for future physicians in the pan-epidemic “Age of Humans”](#)**,

Lucey DR, Sholts S, Donaldson H, White J, Mitchell SR, 2017. *International Journal of Infectious Diseases* 64:1-3. <https://www.sciencedirect.com/science/article/pii/S1201971217302126>

**[Incorporating One Health into Medical Education](#)**,

Rabinowitz PM, Natterson-Horowitz BJ, Kahn LH, Kock R, Pappaioanou M, *BMC Medical Education*. 2017 Feb 23; 17: 45 <https://bmcomeduc.biomedcentral.com/articles/10.1186/s12909-017-0883-6>

## 2016

**Note:** In October 2016 One Health was added by the Council on Education for Public Health to the Accreditation Criteria for Schools of Public Health and Public Health Programs. See:

**[Accreditation Criteria: Schools of Public Health and Public Health Programs, Council on Education for Public Health](#)**. Pages 16, 30, 33 and 35. “Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)”

[https://media.ceph.org/wp\\_assets/2016.Criteria.pdf](https://media.ceph.org/wp_assets/2016.Criteria.pdf)

**[One Health Core Competency Domains](#)**,

Frankson R, Hueston W, Christian K, Olson D, Lee M, Valeri L, Hyatt R, Anelli J, and Rubin C, *Front Public Health*, 2016; 4: 192, Published Sep 13, 2016 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5020065/>

**[Core competencies and One Health: From theory to action](#)**,

Fenwick S, 2016, *PPT Presentation* at the USAID-One Health Workforce Meeting, Hanoi, Vietnam. <http://bit.ly/2WwHKzZ>

**[AAVMC /APTR One Health Interprofessional Educational Framework](#)**

The Association for Prevention Teaching and Research (APTR) Healthy People Curriculum Task Force (HPCTF) collaborated with the Association of American Veterinary Medical Colleges (AAVMC) to convene a Working Group around the One Health Interprofessional Education Initiative. This initiative seeks to integrate One Health concepts into the degree programs of health professions students through the case study method of instruction. <https://tinyurl.com/24uvkua3>

## 2015

**[A framework to promote collective action within the One Health community of practice: Using participatory modelling to enable interdisciplinary, cross-sectoral and multi-level integration](#)**,

Binot A, Duboz R, Promburom P, Phimpraphai W, CappeleJ, Lajaunie C, Goutard FL, Pinyopommintr T, Fiquie

M, Roger FL, *One Health*. 2015 Sep 13;1:44-48. eCollection 2015 Dec.  
<https://www.ncbi.nlm.nih.gov/pubmed/28616464>

[Academic Institutions and One Health: Building Capacity for Transdisciplinary Research Approaches to Address Complex Health Issues at the Animal-Human-Ecosystem Interface](#), Allen-Scott LK, Buntain B, Hatfield JM, Meisser A, Thomas CJ, *Acad Med*. 2015 Jul;90(7):866-71. doi: 10.1097/ACM.0000000000000639. <https://www.ncbi.nlm.nih.gov/pubmed/25650827>

## 2014

[One Health Core Competencies](#) – PowerPoint Slide presentation  
Hueston W, Kunkel R, Nutter F, Olson D <http://bit.ly/2FLxMFy>

**Team Building as a One Health Core Competency**, In: [Making One Health a reality—crossing bureaucratic boundaries](#). Rubin C, Dunham B, Sleeman J. 2014. , *Microbiol Spectrum* 2(1):OH-0016-2012. <https://pubmed.ncbi.nlm.nih.gov/26082124/>

## 2013

[One Health Central and Eastern Africa University Network \(AFROHUN\). One Health modules](#)  
[http://ohcea.org/index.php?option=com\\_content&view=article&id=163&Itemid=232](http://ohcea.org/index.php?option=com_content&view=article&id=163&Itemid=232)

[One Health core competencies domains, subdomains, and competency examples](#)  
USAID RESPOND Initiative Global One Health Core Competencies Working Group. 2013.  
Washington, DC: US Agency for International Development.  
<https://dl.tufts.edu/catalog/tufts:sd.0000181>  
[https://issuu.com/prakitkitsupee/docs/ohcc\\_domains\\_final\\_respond/18](https://issuu.com/prakitkitsupee/docs/ohcc_domains_final_respond/18)

## 2010

[Integrating a One Health approach in education to address global health and sustainability challenges.](#)

Barrett MA, Bouley TA, Stoertz AH, Stoertz RW, (2011), *Frontiers in Ecology and the Environment*, 9: 239-245.  
doi:10.1890/090159



<https://onehealthukm.files.wordpress.com/2015/10/stanfenwick.pdf>