

# Economic Benefits of One Health

**This compilation of publications focuses on the Economic Benefits of using a One Health approach.**

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

**2019**

**Infectious disease and economics: The case for considering multi-sectoral impacts,**

Smith KM, Machalaba CC, Seifman R, Feferholtz Y, Karesh WB, One Health, Vol 7, June 2019

<https://doi.org/10.1016/j.onehlt.2018.100080>

**Societal cost of zoonoses: One Health economics**

Article from free online course 'One Health: Connecting Humans, Animals and the Environment'

Accessed 2-4-19, <https://www.futurelearn.com/courses/one-health/0/steps/25480>

**2018**

**Economics of bovine tuberculosis: a one health issue.**

Azami HY, Zinsstag J, Chapter 3 (Page no: 31) in *Bovine Tuberculosis*

Editors: Chambers M, Gordon S, Olea-Popelka F, Barrow P, 2018, ISBN9781786391520, DOI

[10.1079/9781786391520.0000](https://doi.org/10.1079/9781786391520.0000)

<https://www.cabi.org/vetmedresource/ebook/20183117957>

**2017**

**Economics of One Health: Costs and benefits of integrated West Nile virus surveillance in Emilia-Romagna**

Paternoster G, Martins SB, Mattivi A, Cagarelli R, Angelini P, Bellini R, Santi A, Galletti G, Pupella S, Marano G, Copello F, Rushton J, Stärk KDC, Tamba M, PLOS, November 27, 2017

<https://doi.org/10.1371/journal.pone.0188156>

**One Health Economics to confront disease threats.**

Machalaba C, Smith KM, Awada L, Berry K, Berthe F, Bouley TA, Bruce M, Cortiñas Abrahantes J, El Turabi A, Feferholtz Y, Flynn L, Fournié G, Andre A, Grace D, Jonas O, Kimani T, Le Gall F, Miranda JJ, Peyre M, Pinto J, Ross N, Rüegg SR, Salerno RH, Seifman R, Zambrana-Torrel C, Karesh WB.

Trans R Soc Trop Med Hyg. 2017 Jun 1;111(6):235-237. doi: 10.1093/trstmh/trx039

**One health economics for healthy people, agriculture and environment**

The World Bank Blog post On Mon, 02/06/2017 by Franck Berthe, Timothy Bouley, Patrick Osewe

<http://blogs.worldbank.org/health/one-health-economics-healthy-people-agriculture-and-environment>

**2016**

**Evaluating one health: Are we demonstrating effectiveness?**

Baum SE, Machalaba C, Daszak P, Salerno RH, Karesh WB, *One Health Journal* (3), Elsevier, First published online November 2016, <https://doi.org/10.1016/j.onehlt.2016.10.004>

**2015**

**Linking Human Health and Livestock Health: A “One-Health” Platform for Integrated Analysis of Human Health, Livestock Health, and Economic Welfare in Livestock Dependent Communities**

Thumbi et al. *PLoS One*. 2015; 10(3): e0120761. Published online 2015 Mar 23. doi: [10.1371/journal.pone.0120761](https://doi.org/10.1371/journal.pone.0120761)

**Economic Assessment of Zoonoses Surveillance in a ‘One Health’ Context: A Conceptual Framework**

S. Babo Martins, J. Rushton, K. D. C. Stärk, *Zoonoses and Public Health*, First published: 26 November 2015, <https://doi.org/10.1111/zph.12239>

**2014**

**A review of the metrics for One Health benefits**

Häsler B, Cornelsen L, Bennani H, Rushton J, *Rev. sci. tech. Off. int. Epiz.* 2014, 33(2), 453-464  
<https://www.oie.int/doc/ged/D14080.PDF>

**Initial and Long-Term Costs of Patients Hospitalized with West Nile Virus Disease**

Staples JE, Shankar MB, Sejvar JJ, Meltzer MI, Fischer N, *Am. J. Trop. Med. Hyg.*, 90(3), 2014, pp. 402–409, doi:10.4269/ajtmh.13-0206

**2012**

**People, Pathogens and Our Planet: The Economics of One Health.** Vol 2., Washington, DC., World Bank. 2012. © World Bank. <https://openknowledge.worldbank.org/handle/10986/11892>

**Economics of One Health: Extraordinarily High Returns on Investments in One Health,** Power Point Presentation by Olga Jonas (World Bank Group) at the One Health Summit 2012, Davos, Feb 2012  
<http://bit.ly/2RHq8OT>

**The Economic Value of One Health in Relation to the Mitigation of Zoonotic Disease Risks**

Barbara Häsler, William Gilbert, Bryony Anne Jones, Dirk Udo Pfeiffer, Jonathan Rushton, Martin Joachim Otte, Chapter, Part of the [Current Topics in Microbiology and Immunology](#) book series (CT MICROBIOLOGY, volume 365) First Published Online: 04 July 2012

**A One Health Framework for Estimating the Economic Costs of Zoonotic Diseases on Society**

Narrod C, Zinsstag J, Tiongco M, *Ecohealth*. 2012 Jun; 9(2): 150–162. Published online 2012 Mar 7. doi: [10.1007/s10393-012-0747-9](https://doi.org/10.1007/s10393-012-0747-9)

**2011**

**Economic benefits or drivers of a ‘One Health’ approach: Why should anyone invest?**

Rushton J, Häsler B, De Haan N, Rushton R, 2012, *Onderstepoort Journal of Veterinary Research* 79(2), Art. #461, 5 pages. [http:// dx.doi.org/10.4102/ojvr.v79i2.461](http://dx.doi.org/10.4102/ojvr.v79i2.461)  
Proceedings of the Conference of the Southern African Centre for Infectious Disease Surveillance ‘One Health’ held at the National Institute for Communicable Diseases, Johannesburg, July 2011.