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 in this compilation please notify ohc@onehealthcommission.org

2022

How a One Health approach can mitigate the social and economic burdens of zoonoses in Africa
Ochu CMC, June 2022, PreventionWeb

2020

Funding for One Health Capacities in Low- and Middle -Income Countries
Jonas O, Published Jan 2020 on the One Health Commission Narratives of One Health in Action webpage
See Table 1. Economic costs of outbreaks are often more significant than public health (preventive measures) impacts. Most infectious diseases with epidemic and pandemic potentials are of animal origin; control at the source thus requires detection in animals, before the threat extends to human populations. Core veterinary and human public-health systems that use One Health approaches are the first line of defense against contagion and antimicrobial resistance (AMR). Adequate financing for core veterinary and human public-health systems is important for their performance. Despite the remarkably low costs of core public-health systems, financing has been inadequate, and spending has not even been officially monitored.

2019

Infectious disease and economics: The case for considering multi-sectoral impacts
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
Pandemic Preparedness Financing: Status Update

This report, intended for policy-makers, government officials, financing agencies, and the public, discusses pandemic preparedness financing. See Executive Summary p. viii: To succeed will require a multipronged effort to persuade policy makers and communities to take measures of the political economy, cultural environment, and embrace a “One Health” approach which recognizes human health as connected to that of animal health and the environment requiring multisectoral engagement when mobilizing and allocating resources.

2018

Understanding the Economics of Microbial Threats: Proceedings of a Workshop

Economics of bovine tuberculosis: a one health issue
Azami HY, Zinsstag J, Chapter 3 (Page no: 31) Book Chapter in Bovine Tuberculosis

2017

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

One Health Economics to confront disease threats

One health economics for healthy people, agriculture and environment

2016

Evaluating one health: Are we demonstrating effectiveness?
2015


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

2014

A review of the metrics for One Health benefits

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

The business case for One Health
Grace D, 2014, Onderstepoort Journal of Veterinary Research 81(2), Art. #725,
http://dx.doi.org/10.4102/ojvr.v81i2.725
This paper discusses pandemic preparedness financing and cuts across the dimensions of country capacity strengthening, governance and coordination, and research and development. The report is intended for a wide audience including policy-makers, government officials, financing agencies, and the public.....Executive Summary p. viii: To succeed will require a multipronged effort to persuade policy makers and communities to take measures of the political economy, cultural environment, and embrace a “One Health” approach which recognizes human health as connected to that of animal health and the environment requiring multisectoral engagement when mobilizing and allocating resources.

2012


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
Häsler B, Gilbert W, Jones BA, Pfeiffer DU, Rushton J, Otte MJ, Book 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
Published online 2012 Mar 7. doi: 10.1007/s10393-012-0747-9

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

Slide two presentations on:
- Economic benefits or drivers of a ‘One Health’ approach: Why should anyone invest?
  Rushton J, de Haan N, Rushton R.

- Economic benefits or drivers of a ‘One Health’ approach: Why should anyone invest? – for its added value
  Schelling E, Zinsstag J.