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One Health: People, Animals, and the Environment

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Emerging infectious diseases are often due to environmental disruption, which exposes microbes to a different niche that selects for new virulence traits and facilitates transmission between animals and humans. Thus, health of humans also depends upon health of animals and the environment a concept called *One Health*. This book presents core concepts, compelling evidence, successful applications, and remaining challenges of *One Health* approaches to thwarting the threat of emerging infectious disease.

Written by scientists working in the field, this book will provide a series of "stories" about how disruption of the environment and transmission from animal hosts is responsible for emerging human and animal diseases.

- Explains the concept of *One Health* and the history of the *One Health* paradigm shift .
- Traces the emergence of devastating new diseases in both animals and humans.
- Presents case histories of notable, new zoonoses, including West Nile virus, hantavirus, Lyme disease, SARS, and salmonella.
- Links several epidemic zoonoses with the environmental factors that promote them.
- Offers insight into the mechanisms of microbial evolution toward pathogenicity.
- Discusses the many causes behind the emergence of antibiotic resistance.
- Presents new technologies and approaches for public health disease surveillance.
- Offers political and bureaucratic strategies for promoting the global acceptance of *One Health*.

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Amanda Mathis:

This One Health: People, Animals, and the Environment book is simply not ordinary book, you have after that it the world is in your hands. The benefit you receive by reading this book is actually information inside this book incredible fresh, you will get information which is getting deeper a person read a lot of information you will get. That One Health: People, Animals, and the Environment without we understand teach the one who reading through it become critical in thinking and analyzing. Don't always be worry One Health: People, Animals, and the Environment can bring when you are and not make your case space or bookshelves' become full because you can have it with your lovely laptop even mobile phone. This One Health: People, Animals, and the Environment having very good arrangement in word along with layout, so you will not experience uninterested in reading.

Pedro Dillon:

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