

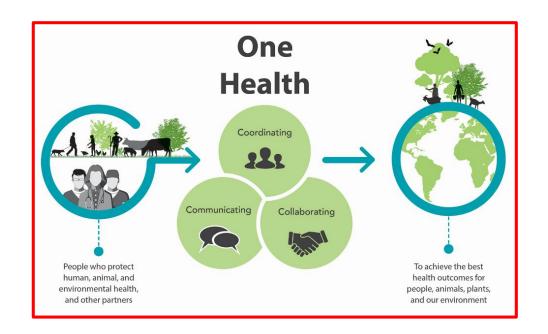


Symposium: Emerging Antibiotic Resistance

# Antibiotic Resistance in a One-Health Concept

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The One Health concept recognizes that the health of people is connected to the health of animals and the environment. CDC uses a One Health approach by working with <u>physicians</u>, <u>veterinarians</u>, <u>ecologists</u>, and <u>many others</u> to monitor and control public health threats and to learn about how diseases spread among people, animals, and the environment.

One Health is defined as a collaborative, multisectoral, and transdisciplinary approach — working at the local, regional, national, and global levels — with the goal of achieving optimal health outcomes recognizing the interconnection between people, animals, plants, and their shared environment.

WHO: One Health is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.

It is particularly relevant for food and water safety, nutrition, the control of zoonoses, pollution management, and combatting <u>antimicrobial resistance</u>.

Foreign countries with high-prevalence of MDR-Ent in humans and non-human settings: impact on travelers and repatriated patients

Community

Health care system

## Veterinary clinics and risk of acquiring MDR-Ent

#### ST410 and ST167:

successful clones in the One Health concept

#### Pollution of surface waters with MDR-Ent

### Importance of analyzing large and simultaneously collected MDR-Ent

### Thank you!

Edgar I. Campos-Madueno (PhD student)

Claudia Aldeia (Lab technician)

Yasmine Eddoubaji (PhD student)

Cindy Kundlacz (PostDoc)

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