

## Challenges for implementing the One Health approach: review article

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### Introduction

The «One Health» concept is a worldwide strategy of expanding the collaboration between the professionals from health science fields, working locally, nationally and globally – to achieve an optimal health for people, animals, plants and the environment.

### Keywords

One Health, challenges, intersectoral collaboration, strategic solution

### Purpose

Analysis of the scientific research and of the practical experience in the process of implementing the One Health approach and emphasize the challenges and solutions for overcoming them.

### Material and methods

This present paper has studied the current research materials published in online medical databases as Medline (PubMed) and Scopus, the websites of the WHO, CDC regarding One Health approach.

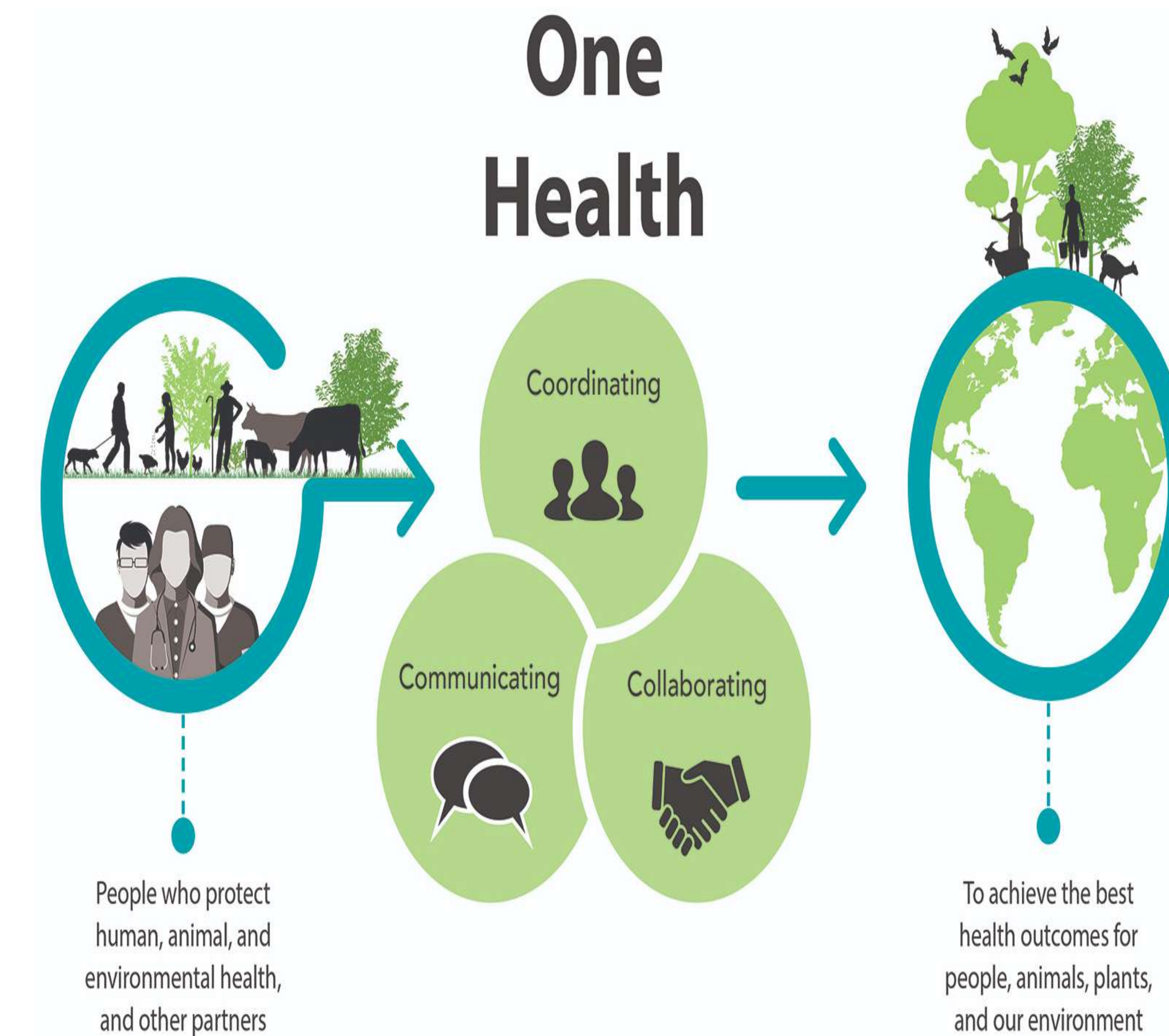
### Results

The evidence-based regarding the links between antibiotic use and resistance genes that circulate in livestock, humans and the environment remain poorly elucidated. Current literature described promising collaborative interdisciplinary strategies in healthcare of humans, animals, environment, and recommend the implementation of the OH initiative.

The authors describe the challenges encountered in implementing of this process: country policy, funding, education, educational formation, surveillance, intersectoral collaboration etc. The challenges identified at different levels are elaboration, implementation, monitoring and evaluation of the common activities in One Health due to the difficulties in equal involvement of all the participants.

### Conclusions

The countries highlighted challenges as the existence of a fragmented legislation, lack of clarity of the definition, domain of implementation of OH initiative. Solutions: collaboration of professionals across sectors, development of common surveillance strategy and the assessment of OH concept.



Source: Centers for Disease Control and Prevention