ONE HEALTH TEST BANK: AN EXAMPLE OF ADAPTABLE EDUCATION AND TRAINING RESOURCES FOR FOREIGN ANIMAL AND ZOONOTIC DISEASE DEFENSE

Dominique R. Smith-McInnis¹, Ana Brown¹, Brittany Moore¹, Wellington Ayensu², Bassirou Diatta² and Raphael D. Isokpehi¹

¹Center for Bioinformatics & Computational Biology, Department of Biology, Jackson State University, Jackson MS 39217, USA
²Department of Mathematics, Jackson State University, Jackson MS 39217, USA

Abstract: According to the United States Centers for Disease Control and Prevention (CDC), at least 60 percent of all human pathogens are zoonotic and 75 percent of the recently emerging infectious diseases that affect humans originate from animals. Further, among the diseases categorized by the CDC, the most dangerous animal diseases pose risks to human health, livestock, and the agricultural economy, which provides about 13 percent of jobs in the United States and about $1 trillion annually in economic activity. Therefore, there is a continuous need for the first responders that include fire, police and emergency personnel as well as citizens to be trained on subjects relative to foreign animal and zoonotic diseases. Given the broad impacts of zoonotic diseases on a nation’s wellbeing, essential information and data on zoonotic diseases must be presented in useful ways to enable learning, research and education. Current knowledge and data are often buried in scientific publications, annual reports, and other types of documents that describe zoonotic diseases. New approaches are needed to extract the knowledge and data as well as facilitate comprehension of the facts by the citizenry. Thus efforts to collaboratively develop educational and training tools through collectively developed by potential users (e.g. college students and first responders). One of the growing resources for the development of adaptable educational and training tools would be the use of scientific publications from the National Center for Foreign Animal and Zoonotic Disease Defense (FAZD). An article on One Health (Osbur et al. 2009; http://fazd.tamu.edu/publications/one-health/) is unique in the collections. One Health is a more holistic, collaborative, action-oriented approach toward the goal of logical and practical solutions to current global problems. A test bank of 100 questions with multiple choice answers was constructed by a group of three students. Both the questions and answers were hosted on the Quizstar website available at http://quizstar.4teachers.org. The increase in methods, prevention and strategic plans, along with the growth and development of educational and training resources will provide the citizenry with the knowledge needed to mitigate, detect, and prevent outbreaks of foreign animal and zoonotic diseases.

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