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Mapping Resistance and Predicting Microbial Evolution in USA & Global Perspective: An Integrative Systems Biology Approach

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Statement of the Problem: Antibiotic resistance and the threat of antibiotic resistance have transformed into a challenging block, especially in the USA and in global landmarks. The outbreak of futuristic microbial diseases in the upcoming times may result in the deaths of millions.

The purpose of this study: Every year almost 3, 30,000 people die worldwide because of antibiotic resistance. Parallel, 0.125 millions of American is affected in USA every year. We tend to focus on the major factors addressing the development of resistance and outbreak.

Methodology & Theoretical Orientation: A meta-analysis is performed, while considering the most recent relevant studies extracted from the Web of Science, Pub-med associated sources. Most of these publications were published in the last 10-15 years. While surfacing through the platform we have used the following key words; Antibiotic Resistance, Drug Resistance, Infections.

Conclusion & Significance: Antibiotic Resistance, Food habit, Life style, and Environmental impact are the four major reasons behind the current and future outbreaks. Recommendations are made for the healthcare to take care of the situation.

Biography

S Danish Kadir, a pharmacist, Biochemist and research enthusiast in the field of cancer, antimicrobial, system biology. Has graduated from University of Texas Rio Grande valley and one of the co-founder of Research for Interdisciplinary Studies & Epidemiological Network (RISEN)..

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