

Antibiotic Usage and Resistance: A Global Public Health Challenge



Keywords: Antibiotic; Resistant medicine; Bacterial infection; Antibiotic resistance; Public health challenge; Antibiotic usage; Mechanism; Infection treatment; Preventive infection; Infection control.

Introduction

Antibiotic has been a revolutionary part of medicine, making a significant impact on the management of bacterial infections and infectious diseases. However, the overuse and misuse of antibiotics has led to the emergence of antibiotic resistance, which is a global public health challenge. This resistance is caused by the ability of bacteria to evolve and adapt to the presence of antibiotics, making them ineffective in treating infections. The World Health Organization (WHO) has identified antibiotic resistance as one of the top 10 global health threats for the coming decade. This article discusses the factors contributing to antibiotic resistance and the need for a global challenge to address this issue.

Commonly, antibiotic resistance is caused by the overuse and misuse of antibiotics, which has led to the emergence of antibiotic resistance. The World Health Organization (WHO) has identified antibiotic resistance as one of the top 10 global health threats for the coming decade. This resistance is caused by the ability of bacteria to evolve and adapt to the presence of antibiotics, making them ineffective in treating infections. The WHO has identified antibiotic resistance as one of the top 10 global health threats for the coming decade. This resistance is caused by the ability of bacteria to evolve and adapt to the presence of antibiotics, making them ineffective in treating infections. The WHO has identified antibiotic resistance as one of the top 10 global health threats for the coming decade. This resistance is caused by the ability of bacteria to evolve and adapt to the presence of antibiotics, making them ineffective in treating infections.

Factors contributing to antibiotic resistance

Over prescription and misuse in human medicine:

- o Pharmacists are prescribed antibiotics for infectious diseases, which has led to the emergence of antibiotic resistance.
- o

