

## SURVEY ON ANTIBIOTICS AND BACTERIA RESISTANCE

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### ABSTRACT

Antibiotics are powerful medicines that fight bacterial infections. If used properly, antibiotics can save lives. They either kill bacteria or keep them from reproducing. An antibiotic acts on the bacteria causing the infection, but it also affects the "good" bacteria that we all have and need in our bodies (such as the bacteria in our gastrointestinal tract). That's why it's important to only use antibiotics when your doctor prescribes them for the treatment of a bacterial infection. Taking an antibiotic when you don't have a bacterial infection doesn't treat your illness and can set off a chain of events that can lead to the development of resistant bacteria. So it's vital that we use these drugs appropriately to help slow the rate at which bacteria develop resistance to antibiotics.

**KEYWORDS:** Develop, Explanation, Treat