

A Study of the physicians' antibiotic prescribing behavior using antibiotic stewardship system

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ABSTRACT

We explored the effects of using antibiotic steward information system on physicians' prescribing behavior. This study employs Theory of Planned Behavior as the theoretical foundation, which has been used to explore the physicians prescribing behavior in Europe. Since, physicians may tend to resist the system because of being steward by other physicians while prescribing antibiotics, Resistance to Change as additional construct is added in our model. The results of this study can be referenced for hospitals to understand the physicians' obedience of prescribing antibiotics using an antibiotic steward information system to further prevent patients' antimicrobial resistance and enhance their safety.

Keywords: Theory of Planned Behavior, Antibiotic Stewardship System, Resistance to Change, Antibiotic Prescribing Behavior