



Applicant Information

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Abstract Details

Title:

The use of comics as a tool to educate Junior High School students in the Ashanti Region of Ghana about Antimicrobial Resistance and its impact on their knowledge.

Category:

Socio-ecological determinants of Health (climate change and One Health)

Authors:

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Objectives:

We assessed the impact of a comic educational tool designed to disseminate information on AMR knowledge and awareness among junior high school (JHS) students in two schools in the Ashanti region of Ghana.

Method:

Comics for education on AMR were designed by the lead researcher and administered to 30 randomly selected students between ages 11 and 15 years from both schools (15 per school). A structured self-administered questionnaire was given to the students to assess their awareness and knowledge of AMR before and after going through the comics. A Likert scale was applied to the knowledge and awareness of AMR assessment before and after the comics.

Results:

Only data from participants completing all questions in the questionnaires were used in the final analysis. Baseline responses before the study showed that 5%(1/22) of participants said AMR is caused when a person takes antibiotics without speaking to a health professional first. 13.6% (3/22) of participants said the misuse of antibiotics causes AMR. 50% (11/22) of participants said the overuse of antibiotics increases the incidence of AMR and 7/22 (31.8%) of participants said that they had no idea what AMR was about. Post-study data showed an 82%(18/22),91%(20/22), and 82% (18/22) increase in responses respectively from participants and 0% (0/22) of participants responded that they had no idea about AMR.

Conclusion:

The comics proved to be an excellent tool for improving awareness, among the JHS Students. Increasing the scale of this dissemination using comics in Ghana among other high schools could increase AMR awareness and reduce its progression.

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