

# Which Antibiotic Are You?

## Evaluation of a Global Antibiotic Awareness Quiz

BJ Langford<sup>1,2</sup> PharmD BCPS, M Laguio-Vila<sup>3</sup> MD

1. Hotel Dieu Shaver Health and Rehabilitation Centre, ON, Canada 2. Public Health Ontario, ON, Canada 3. Rochester Regional Health, NY, USA

Contact:  
[brad.langford@gmail.com](mailto:brad.langford@gmail.com)

Try the quiz



### Background

Play is an underutilized modality for adult learning. Our objective was to evaluate the reach of a web-based antibiotic personality quiz to promote antibiotic stewardship awareness.

### Methods

- A personality quiz was developed using an online platform (Tryinteract.com).
- Antibiotic personalities were created based on individual drug pharmacokinetic attributes, side effect profiles, and organism spectra of coverage.
- Based on the responses provided, the respondent was assigned an antibiotic that best matched his/her personality. The result was accompanied by key teaching points and links to find more information.
- The quiz was launched in November 2017 to coincide with World Antibiotic Awareness Week and disseminated via social media. It was updated iteratively each year.
- We evaluated usage statistics from November 7 2017 to June 7 2020.

An **antibiotic awareness personality quiz circled the globe** and engaged a high volume and broad range of **non-infectious disease participants** in learning more about antibiotic stewardship

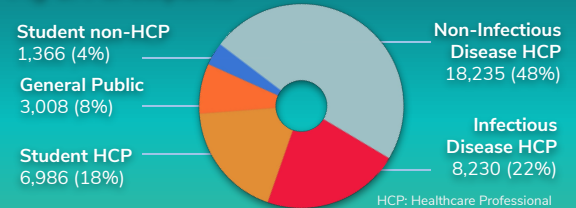
### Example Antibiotic Personality

**You are doxycycline!** You are an under-rated talent who flies below the radar, and others often don't see your true potential. You find that people either really like you or simply don't know you exist. You're on the quiet side and wish people would get to know you more. You tend to not be as physically active as others and often stay indoors to avoid too much sun.

By 2050 it is estimated that deaths due to antibiotic resistance will be greater than deaths due to cancer and road traffic accidents combined!

Using antibiotics only when needed, at the right dose and duration can help reduce this major public health threat.

Fig 1. Participants



### Results



#### 207,097 Completions

The quiz was viewed 287,793 times and completed 207,097 times. Most referrals were via Twitter and Facebook



#### Global Involvement

Respondents were well-represented globally, including US, Canada, Spain, France, India, United Kingdom, and Indonesia



#### Interdisciplinary Participation

Most respondents (48%) identified as non-ID healthcare professionals, followed by ID healthcare professionals (22%) and students (18%)

### Conclusions

An antibiotic awareness personality quiz engaged a high volume and broad range of participants. Antimicrobial stewards should consider incorporating play into awareness campaigns