

# EXPLORING THE LEVEL OF AWARENESS AND UNDERSTANDING ABOUT AMR FROM A ONE HEALTH PERSPECTIVE AMONG DIFFERENT SOCIO-DEMOGRAPHIC SUBGROUPS: FINDINGS FROM THE BASELINE STUDY OF A CLUSTER RANDOMISED CONTROL TRIAL IN BANGLADESH

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## Background

- Use & misuse of antimicrobials increases AMR
- South Asian countries have the **second highest average risk** in AMR related mortality
- Public awareness & correct knowledge on appropriate antimicrobials use is **low** among WHO regions
- WHO recommends in improving public knowledge about appropriate antimicrobial use

## Aims

- 1 To describe the current level of reported awareness of the existence of antibiotics and ABR
- 2 To explore socio-demographic variation in reported awareness and correct knowledge about antibiotics & their use from one health lens
- 3 To explore how the level of reported awareness of antibiotics' existence has changed in the same area compared to 2018 based on a prior survey

## Results

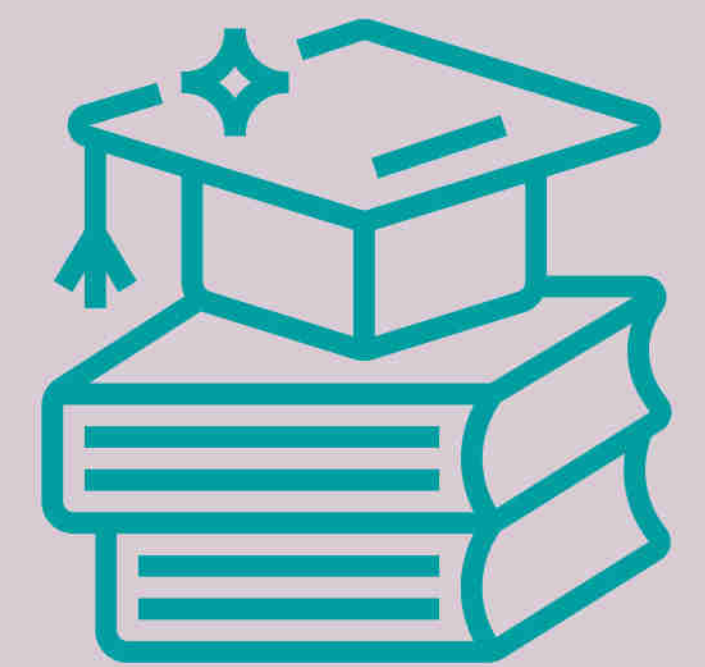
Participants heard about **antibiotics** → **82%**

Participants heard about **antibiotics, antimicrobials or drug Resistance** → **12%**

Participants heard more about **antibiotics in 2022 than in 2018** → **49%**

**2160**  
HHs interviewed

## Education



Influencing Factor

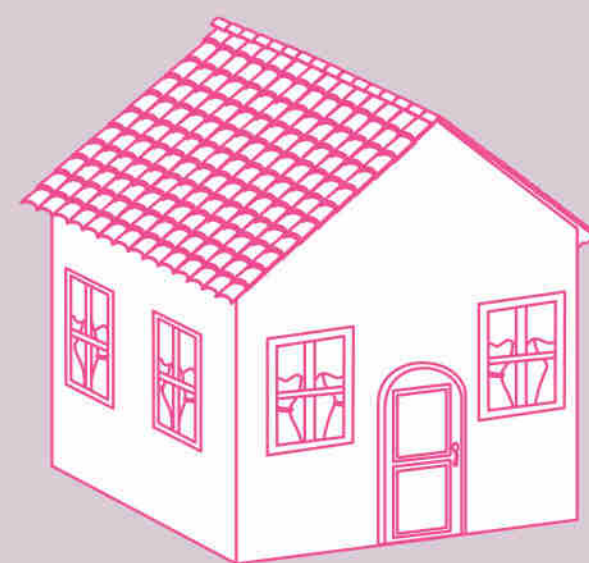
## Methods



COMMUNITY

**10 CCs**

each CC a Cluster  
(Per Subdistrict)



**44**

Households within each cluster



**5**

Sub-districts in **CUMILLA**

**3**

Outcome Questions

## Conclusion

- Change in difference of hearing antibiotics from 2018 to 2022 likely to be caused by **COVID-19 situations**
- Our results support the widely accepted need to urgently develop effective ways to improve public education on **awareness, understanding, attitudes and ultimately practices** in relation to antibiotics within Bangladesh and other LMICs

Murray CJ et al. *The Lancet*. (2022)

Mitchell J, et al. *Global public health*. (2022)

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