



Antibiotic use among residents in Uganda, Zimbabwe and Malawi – a mixed methods study

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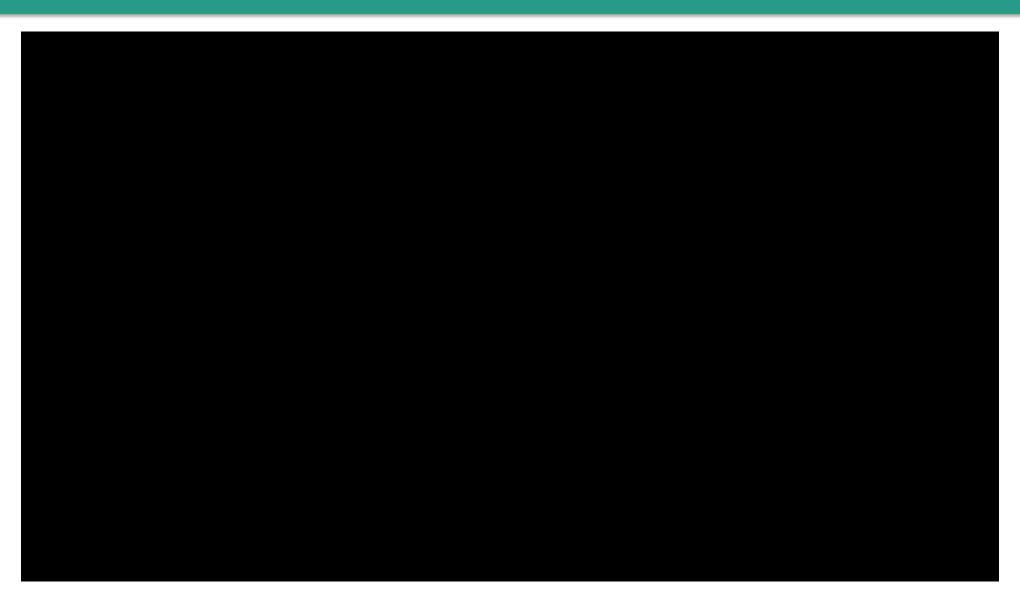




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Background





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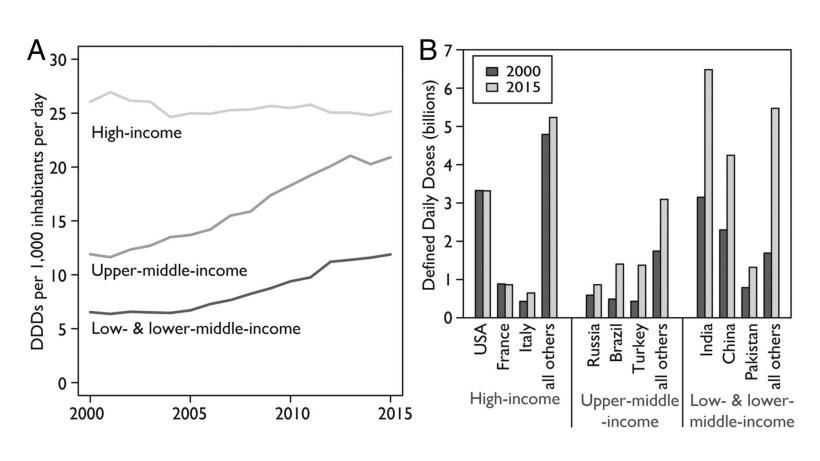


Increasing concerns about rise in drug resistant infections

Attributed to rising antibiotic use

Consumption data suggest LMIC increases

Which antibiotics, where and why?



Klein et al 2018 PNAS

Drug Bag method



Asking people about antibiotic use is not straightforward.

- 'Antibiotic' is a broad and complex category
- Possibilities for misclassification
- Abstract concept may decrease reliability of responses

We used samples of antibiotics to elicit information about use

Dixon et al 2019 Global Health Action



Drug Bag method



- Scope local formal and informal sectors for antibiotics
- Purchase/acquire antibiotics available in the study setting

Scope and acquire antibiotics

Assemble and number the drug bag

- Produce alphabetic list of antibiotics and then number them sequentially
- Place corresponding number stickers on all antibiotics
- Put everything into a large bag (e.g. backpack) ready for the field

- Design a progressive sequence of pile sorting exercises (only one 'pile' per exercise)
- Design a paper or tabletbased form for recording responses to the pile sorting exercises and other survey questions

Prepare pile sorting exercises

Implement in homes and on farms

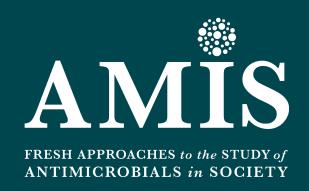
- Conduct exercises in homes and on farms using the drug bag and data collection forms/tablets
- Use boxes, mats and other aides where necessary

Sample size



Country	Survey	Sample Size	Sample Method
Malawi	Control survey	825	Case Control
	Medicines survey	100	Purposive
Zimbabwe	Control survey	336	Case Control
	Medicines survey	100	Purposive
Myanmar	Medicines survey	50	Purposive
Uganda	Medicines survey	174	Purposive
	Medicines survey	100	Purposive







Antibiotics in Societies Online Panel Series

THANK YOU FOR JOINING!







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Acknowledgements





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