Supplementary Questionnaire

Section I: Demographics

1. **Age:** What is your age?

2. **Gender:** What is your gender?
   a) Male
   b) Female

3. **Which of these best describes where you live?**
   a) Urban – within a densely populated city/town
   b) Suburban – in a suburb of a city/town
   c) Rural – outside of a city/town, e.g. village/countryside/farming area

4. **Marital Status:** What is your marital status?
   a) Unmarried
   b) Married

5. **Academic year:** What is your academic year of study?

6. **Faculty:** What faculty do you study at?
**Section II: Assessment of health literacy using the modified HLS-EU-Q16**

<table>
<thead>
<tr>
<th>How easy/difficult is it for you to:</th>
<th>Very easy</th>
<th>Fairly easy</th>
<th>Fairly difficult</th>
<th>Very difficult</th>
<th>Don't know</th>
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<tbody>
<tr>
<td>Find information on treatments of illnesses that concern you</td>
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<td>Find out where to get professional help when you are ill (e.g., doctor, pharmacist, or psychologist)</td>
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<td>Understand what your doctor says to you</td>
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<td>Understand your doctor's or pharmacist's instruction on how to take a prescribed medicine</td>
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<td>Judge when you may need to get a second opinion from another doctor</td>
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<td>Use information the doctor gives you to make decisions about your illness</td>
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<td>Follow instructions from your doctor or pharmacist</td>
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<td>Find information on how to manage mental health problems such as stress or depression</td>
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<td>Understand warnings about behavior (e.g., smoking, low physical activity, and drinking too much)</td>
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<td>Understand why you need health screening (such as breast exam, blood sugar, or blood pressure test)</td>
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<td>Judge whether the information on health risks in the media is reliable (e.g., from TV or internet)</td>
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<td>Decide how you can protect yourself from illness based on information in the media (e.g., newspapers, leaflets, and internet)</td>
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<td>Find out about activities that are good for your mental well-being (e.g., meditation, exercise, and walking)</td>
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<td>Understand advice on health from family members or friends</td>
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<td>Understand information in the media on how to get healthier (e.g., from the internet, or daily or weekly magazines)</td>
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<td>Judge which everyday behaviour is related to your health (e.g., eating habits, exercise habits, and drinking habits)</td>
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Section III. Use of antibiotic, knowledge of antibiotics and awareness of antibiotic resistance


Use of antibiotics

1) When did you last take antibiotics?
   Single Code
   1. In the last month
   2. In the last 6 months
   3. In the last year
   4. More than a year ago
   5. Never
   99. Can’t remember
   *If ‘Never’ code 5, go straight to Question 5.*

2) On that occasion, did you get the antibiotics (or a prescription for them) from a doctor or nurse?
   Single Code
   1. Yes
   2. No
   99. Can’t remember

3) On that occasion, did you get advice from a doctor, nurse or pharmacist on how to take them?
   Single Code
   1. Yes, I received advice on how to take them (e.g. with food, for 7 days)
   2. No
   99. Can’t remember

Knowledge about antibiotics

4) When do you think you should stop taking antibiotics once you’ve begun treatment?
   Single Code
   1. When you feel better
   2. When you’ve taken all of the antibiotics as directed
   99. Don’t know

5) Do you think this statement is ‘true’ or ‘false’?
   Single Code
   “It's okay to use antibiotics that were given to a friend or family member, as long as they were used to treat the same illness”
6) Do you think this statement is ‘true’ or ‘false’?
Single Code
“It’s okay to buy the same antibiotics, or request these from a doctor, if you’re sick and they helped you get better when you had the same symptoms before”
1. True
2. False
99. Don’t know

7) Do you think these conditions can be treated with antibiotics?
Single Code per condition
Rotate order asked
1. HIV/AIDS
2. Gonorrhoea
3. Bladder infection or urinary tract infection (UTI)
4. Diarrhoea
5. Cold and flu
6. Fever
7. Malaria
8. Measles
9. Skin or wound infection
10. Sore throat
11. Body aches
12. Headaches

Awareness about antibiotic resistance

8) Have you heard of any of the following terms
Single Code per term
Rotate order asked
1. Antibiotic resistance
2. Superbugs
3. Antimicrobial resistance
4. AMR
5. Drug resistance
6. Antibiotic-resistant bacteria

9) 9.1. Ask if answered YES @ 9) to ‘Antibiotic Resistance’
Where did you hear about the term: ‘Antibiotic Resistance’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

9.2. Ask if answered YES @ 9) to ‘Superbugs’
Where did you hear about the term: ‘Superbugs’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

9.3. Ask if answered YES @ 9) to ‘Antimicrobial Resistance’
Where did you hear about the term: ‘Antimicrobial resistance’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

9.4. Ask if answered YES @ 9) to ‘AMR’
Where did you hear about the term: ‘AMR’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

9.5. Ask if answered YES @ 9) to ‘Drug resistance’
Where did you hear about the term: ‘Drug resistance’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

9.6. Ask if answered YES @ 9) to ‘Antibiotic-resistant bacteria’
Where did you hear about the term: ‘Antibiotic-resistant bacteria’?
Show list: Code all mentions
1. Doctor or nurse
2. Pharmacist
3. Family member or friend (including on social media)
4. Media (newspaper, TV, radio)
5. Specific campaign
6. Other
99. Can’t remember

10) Please indicate whether you think the following statements are ‘true’ or ‘false’
Single Code per statement
Rotate order asked
1. Antibiotic resistance occurs when your body becomes resistant to antibiotics and they no longer work as well
2. Many infections are becoming increasingly resistant to treatment by antibiotics
3. If bacteria are resistant to antibiotics, it can be very difficult or impossible to treat the infections they cause
4. Antibiotic resistance is an issue that could affect me or my family
5. Antibiotic resistance is an issue in other countries but not here
6. Antibiotic resistance is only a problem for people who take antibiotics regularly
7. Bacteria which are resistant to antibiotics can be spread from person to person
8. Antibiotic-resistant infections could make medical procedures like surgery, organ transplants and cancer treatment much more dangerous

11) On the scale shown, how much do you agree the following actions would help address the problem of antibiotic resistance?
Single Code per statement
Rotate order asked
12) On the scale shown, how much do you agree with the following statements?

<table>
<thead>
<tr>
<th></th>
<th>Agree Strongly</th>
<th>Agree Slightly</th>
<th>Neither agree nor disagree</th>
<th>Disagree Slightly</th>
<th>Disagree Strongly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>People should use antibiotics only when they are prescribed by a doctor or nurse</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<td>2</td>
<td>Farmers should give fewer antibiotics to food-producing animals</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<tr>
<td>3</td>
<td>People should not keep antibiotics and use them later for other illnesses</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<td>4</td>
<td>Parents should make sure all of their children’s vaccinations are up-to-date</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<tr>
<td>5</td>
<td>People should wash their hands regularly</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Doctors should only prescribe antibiotics when they are needed</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<tr>
<td>7</td>
<td>Governments should reward the development of new antibiotics</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<tr>
<td>8</td>
<td>Pharmaceutical companies should develop new antibiotics</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

13) Do you think antibiotics are widely used in agriculture (including in food-producing animals) in your country?

1. Yes
2. No
99. Don’t know