**Supplemental Table 1.** Good and Poor Perception, and Attitude, Regarding Antimicrobial Knowledge and Preparedness

|  |  |
| --- | --- |
| **Perception and attitude (%)** | **All (N=455)** |
| **Score of** **Likert scale****(Mean ±SD)\*** | **Good** | **Poor** |
| 1. I have learned enough about appropriate use of antimicrobial
 | 3.30±0.77 | 87.2 | 12.8 |
| 1. I can access reliable sources of knowledge on antimicrobial use
 | 3.76±0.72 | 97.2 | 2.8 |
| 1. I know which patient needs to be treated with

antimicrobials | 3.90±0.63 | 99.6 | 0.4 |
| 1. I can prescribe the appropriate antimicrobials to

patients | 3.57±0.64 | 98.0 | 2.0 |
| 1. We should prescribe antimicrobial agents to patients with symptoms of fever, cough, sore throat and runny nose\*
 | 2.42±0.93 | 58.9 | 41.1 |
| 1. We should prescribe antimicrobial agents to patients with diarrhea and vomiting from food poisoning\*
 | 2.44±0.96 | 56.7 | 43.3 |
| 1. I feel anxious when I have to prescribe antimicrobial agents\*
 | 2.99±0.84 | 71.4 | 28.6 |
| 1. I am aware of appropriate antimicrobial use in routine patient care
 | 4.19±0.68 | 99.7 | 0.3 |
| 1. I know how to prevent and control spread of antimicrobial resistance
 | 3.75±0.72 | 96.9 | 3.1 |
| 1. I know when I have to wear a surgical mask for routine patient care
 | 4.02±0.73 | 98.7 | 1.3 |
| **Note:** \* All questions used a 5-point Likert scale (5=strongly agree, 4=agree, 3=neutral, 2= disagree, and 1=strongly disagree)\*\*The question number 6 and 7 are negative questions. All other questions are positive questions. Good perception was noted if a participant agreed or strongly agreed in a positive |

**Supplemental Table 2.** Percentage of Ever/Never/Unsure of Learning about Appropriate Antimicrobial Use, Antimicrobial Resistance, and Infection Control during the Pre-clinical and Clinical Years

|  |  |  |
| --- | --- | --- |
|  | **Pre-clinical** | **Clinical** |
| **Ever (%)** | **Never (%)** | **Unsure (%)** | **Ever****(%)** | **Never (%)** | **Unsure (%)** |
| Antimicrobial resistance | 89.2 | 6.2 | 4.2 | 69.7 | 15.2 | 14.7 |
| Appropriate antimicrobial use | 79.6 | 11.2 | 8.8 | 85.5 | 8.6 | 5.5 |
| Infection control | 58.0 | 24.0 | 17.6 | 84.8 | 6.6 | 8.1 |