**Table S1. Results of correct answer in each question on the knowledge (N=289)**

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| **Questions** | | **Correct answer** | **No(%) of correct answer in each question** |
| A2 | Which of the following is the main route of transmission of potentially harmful germs between patients? | Health care workers’ hands when not clean | 233 (80.6) |
| A3 | What is the most frequent source of germs responsible for health care-associated infections? | Germs already present on or within the patient | 118 (40.8) |
| A4 | Which of the following statements about alcohol-based hand rub and handwashing with soap and water is true? |  |  |
| A4-1 | Hand rubbing is more rapid for hand cleansing than handwashing. | True | 252 (87.2) |
| A4-2 | Hand rubbing causes skin dryness more than handwashing. | False | 80 (27.7) |
| A4-3 | Hand rubbing is more effective against germs than handwashing. | False | 253 (87.5) |
| A4-4 | Handwashing and hand rubbing are recommended to be performed in sequence. | False | 154 (53.3) |
| A5 | What is the minimal time needed for alcohol-based hand rub to kill most germs on your hands? | 20 seconds | 211 (73.0) |
| A7 | Which of the following hand hygiene actions prevents transmission of germs to the patient? |  |  |
| A7-1 | Before touching a patient. | Yes | 284 (98.3) |
| A7-2 | Immediately after risk of body fluid exposure. | Yes | 233 (80.6) |
| A7-3 | After exposure to immediate surroundings of a patient. | No | 29 (10.0) |
| A7-4 | Immediately before a clean/aseptic procedure. | Yes | 271 (93.8) |
| A8 | Which of the following hand hygiene actions prevents transmission of germs to the health care worker? |  |  |
| A8-1 | After touching a patient. | Yes | 277 (95.8) |
| A8-2 | Immediately after a risk of body fluid exposure. | Yes | 267 (92.4) |
| A8-3 | Immediately before a clean/aseptic procedure. | No | 265 (91.7) |
| A8-4 | After exposure to the immediate surroundings of a patient. | Yes | 33 (11.4) |
| A9 | Which type of hand hygiene method is required in the following situations? |  |  |
| A9-1 | Before palpation of the abdomen. | Rubbing | 212 (73.4) |
| A9-2 | Before giving an injection. | Rubbing | 135 (46.7) |
| A9-3 | After emptying a bed pan. | Washing | 266 (92.0) |
| A9-4 | After removing examination gloves. | Rubbing/Washing | 286 (99.0) |
| A9-5 | After making a patient’s bed. | Rubbing | 154 (53.3) |
| A9-6 | After visible exposure to blood. | Washing | 267 (92.4) |
| A10 | Which of the following should be avoided, as it is associated with an increased likelihood of the colonization of hands with harmful germs? |  |  |
| A10-1 | Wearing jewelry. | Yes | 248 (85.8) |
| A10-2 | Damaged skin. | Yes | 277 (95.8) |
| A10-3 | Artificial fingernails. | Yes | 273 (94.5) |
| A10-4 | Regular use of a hand cream. | No | 2 (0.7) |