

Supplement 2. Correct Answer Rate on Five Moments for Hand Hygiene

(N = 127)

Hand hygiene scenario (five moment number)	Those who answered correctly by item n (%)
S 1. Change diapers after measuring blood pressure (M ± SD)	76.7 ± 16.7
1) Before patient's confirmation (1)	114 (89.8)
2) Before wearing clean gloves (NA)	48 (37.8)
3) After taking off the cleaning gloves (3)	122 (96.1)
4) Before touching the nurse's cart (4)	119 (93.7)
5) Before leaving the patient's room (5)	84 (66.1)
S 2. Insertion of the urinary catheter (M ± SD)	77.6 ± 16.0
1) Before preparing items (2)	79 (62.2)
2) Before the patient's room door is opened (NA)	74 (58.3)
3) Before fixing the urine bag on the bed (NA)	83 (65.4)
4) Before wearing sterile gloves (2)	120 (94.5)
5) After taking off the used gloves (3)	121 (95.3)
6) After pulling the curtain (5)	114 (89.8)
S 3. Feeding through gastric tube after oral suction (M ± SD)	83.3 ± 12.0
1) Before preparing suction items (2)	104 (81.9)
2) Before wearing clean gloves (2)	107 (84.3)
3) Before changing gloves (3)	122 (96.1)
4) Before gastric tube feeding (NA)	72 (56.7)
5) Before moving to another patient (4)	124 (97.6)
S 4. Measure urine volume after emptying urine bag (M ± SD)	83.1±16.3
1) Before wearing gloves (2)	112 (88.2)
2) After cleaning the urine bag outlet (NA)	62 (48.8)
3) After taking off gloves (3)	125 (98.4)
4) Before moving to another patient (5)	123 (96.9)
S 5. Assist patient movement after fluid exchange (M ± SD)	82.2 ± 19.4
1) Before contact patient for IV injection (1)	127 (100.0)
2) Before exchange of infusion (2)	102 (80.3)
3) After exchange of infusion (4)	92 (72.4)
4) Before contact patient to help move (1)	93 (73.2)
5) After assisting in toilet movement (4)	108 (85.0)
S 6. Assist wheelchair mobility after nebulizer treatment (M ± SD)	68.2 ± 17.3
1) Before preparing medicines (2)	119 (93.7)
2) After delivering nebulizer kit to patient (5)	44 (34.6)
3) Before turning off nebulizer kit (NA)	78 (61.4)
4) Before touching the wheelchair (NA)	87 (68.5)
5) Before touching the patient (1)	105 (82.7)
Total (M ± SD)	78.3 ± 7.7

IV = Intravenous; M = Mean; NA = Not applicable; S = Scenario; SD =Standard deviation.