

Table A1. Results of univariate analysis of knowledge score

	Variables	Mean ± SD	n	p-value
Gender				< 0.001
	Male	13.88 ± 0.50	41	
	Female	16.27 ± 0.17	414	
Age group (years)				< 0.001
	18-39	15.60 ± 0.17	397	
	40-59	19.19 ± 0.36	58	
Occupation				0.0031
	Doctor	14.93 ± 0.38	60	
	Nurse	16.22 ± 0.18	395	
Type of employment				< 0.001
	Contract	16.69 ± 0.24	238	
	Permanent	15.36 ± 0.23	217	
Received HAIs education within the previous year				0.0139
	Yes	16.40 ± 0.20	274	
	No	15.54 ± 0.29	181	
Occupational exposures within 6 months				0.0072
	Yes	16.41 ± 0.21	282	
	No	15.48 ± 0.27	173	
Received invasive operation authority				< 0.001
	Yes	16.38 ± 0.19	326	
	No	15.22 ± 0.31	129	
Received antibacterial drug training				0.0254
	Yes	16.38 ± 0.23	257	
	No	15.64 ± 0.24	198	

Table A1. (continued)

	Variables	Mean ± SD	n	p-value
Department				0.040
	Internal medicine	14.69 ± 4.51	16	
	Surgery	15.77 ± 3.44	83	
	Obstetrics	15.35 ± 2.23	20	
	Intensive care unit	15.54 ± 3.00	87	
	Emergency	14.43 ± 4.40	21	
	Outpatient	13.45 ± 3.45	11	
	Operating room	16.23 ± 3.27	128	
	Infectious diseases	16.07 ± 3.30	68	
	Other	14.67 ± 2.52	21	
Clinical work experience (years)				0.025
	1-5	15.43 ± 3.40	203	
	6-10	15.15 ± 3.38	110	
	11-15	16.35 ± 2.98	40	
	16-20	16.48 ± 3.13	42	
	≥21	16.45 ± 3.17	60	
Attended consultation of nosocomial infection disease				< 0.001
	Yes	16.60 ± 0.22	238	
	No	15.47 ± 0.25	217	

Table A2. Results of univariate analysis of attitude score

	Variables	Mean ± SD	n	p-value
Age group (years)	18-39	24.83 ± 0.14	397	< 0.001
	40-59	26.19 ± 0.36	58	
Type of employment	Contract	25.29 ± 0.16	238	0.0168
	Permanent	24.67 ± 0.20	217	
Received HAIs education within the previous year	Yes	25.41 ± 0.15	274	< 0.001
	No	24.38 ± 0.22	181	
Occupational exposure within 6 months	Yes	25.35 ± 0.15	282	< 0.001
	No	24.42 ± 0.22	173	
Received invasive operation authority	Yes	25.37 ± 0.15	326	< 0.001
	No	24.05 ± 0.25	129	
Received antibacterial drug training	Yes	25.34 ± 0.17	257	0.0023
	No	24.55 ± 0.20	198	
Educational level	Junior college	24.30 ± 2.64	37	0.012
	Bachelor's degree	24.86 ± 2.74	310	
	Master's degree or above	25.63 ± 2.73	108	

Table A2. (continued)

	Variables	Mean ± SD	n	p-value
Attended consultation of nosocomial infection disease				0.0089
	Yes	25.32 ± 0.18	238	
	No	24.65 ± 0.19	217	
Department				< 0.001
	Internal medicine	24.19 ± 2.93	16	
	Surgery	25.20 ± 3.02	83	
	Obstetrics	24.00 ± 2.97	20	
	Intensive care unit	25.54 ± 2.40	87	
	Emergency	23.19 ± 3.11	21	
	Outpatient	22.18 ± 3.37	11	
	Operating room	25.29 ± 2.46	128	
	Infectious diseases	25.54 ± 2.42	68	
	Other	23.24 ± 2.45	21	
Clinical work experience (years)				< 0.001
	1-5	24.56 ± 2.76	203	
	6-10	24.77 ± 2.64	110	
	11-15	25.38 ± 2.39	40	
	16-20	26.31 ± 2.70	42	
	≥21	25.73 ± 2.79	60	
Marital status				0.002
	Unmarried	24.20 ± 2.82	99	
	Married	25.25 ± 2.72	344	
	Widowed / divorced	24.33 ± 1.56	12	

Table A2. (continued)

	Variables	Mean ± SD	n	p-value
Professional title				< 0.001
	Senior	26.39 ± 2.13	23	
	Middle	25.53 ± 2.87	130	
	Primary	24.66 ± 2.68	302	

Table A3. Results of univariate analysis of practice score

	Variables	Mean ± SD	n	p-value
Gender	Male	41.41 ± 0.86	41	0.0169
	Female	43.64 ± 0.25	414	
Age group (years)	18-39	43.14 ± 0.26	397	< 0.001
	40-59	45.50 ± 0.51	58	
Type of hospital	The children's hospital	42.61 ± 0.41	136	0.0207
	General hospital	43.79 ± 0.30	319	
Position	Staff	42.61 ± 0.41	136	0.0207
	Head	43.79 ± 0.29	319	
Type of employment	Contract	44.50 ± 0.33	238	< 0.001
	Permanent	42.28 ± 0.34	217	
Educational level	Junior college	38.24 ± 4.17	37	< 0.001
	Bachelor's degree	43.85 ± 4.97	310	
	Master's degree or above	44.03 ± 5.04	108	
Received HAIs education within the previous year	Yes	44.81 ± 0.29	274	< 0.001
	No	41.36 ± 0.37	181	

Table A3. (continued)

	Variables	Mean ± SD	n	p-value
Occupational exposure within 6 months	Yes	45.34 ± 0.26	284	< 0.001
	No	40.28 ± 0.36	171	
Received invasive operation authority	Yes	44.81 ± 0.26	326	< 0.001
	No	39.98 ± 0.40	129	
Received antibacterial drug training	Yes	45.35 ± 0.27	257	< 0.001
	No	40.96 ± 0.36	198	
Department	Internal medicine	38.13 ± 4.84	16	< 0.001
	Surgery	44.51 ± 4.76	83	
	Obstetrics	38.60 ± 4.27	20	
	Intensive care unit	43.95 ± 5.19	87	
	Emergency	39.71 ± 3.66	21	
	Outpatient	39.36 ± 4.32	11	
	Operating room	44.98 ± 4.91	128	
	Infectious diseases	44.46 ± 3.80	68	
	Other	38.95 ± 4.40	21	
	Attended consultation of nosocomial infection disease	Yes	44.61 ± 0.30	
No		42.16 ± 0.37	217	

Table A3. (continued)

	Variables	Mean ± SD	n	p-value
Clinical work experience (years)	1-5	42.89 ± 5.57	203	0.012
	6-10	42.88 ± 5.33	110	
	11-15	45.20 ± 3.34	40	
	16-20	44.00 ± 4.54	42	
	≥21	44.77 ± 4.24	60	
	Professional Title			
	Senior	46.17 ± 4.03	23	
	Middle	43.63 ± 4.78	130	
	Primary	43.15 ± 5.33	302	

Table A4. Results of univariate analysis of the total KAP score

	Variables	Mean ± SD	n	p-value
Gender	Male	80.41 ± 1.27	41	0.0014
	Female	84.90 ± 0.36	414	
Age group (years)	18-39	83.56 ± 0.37	397	< 0.001
	40-59	90.88 ± 0.63	58	
Occupation	Doctor	82.40 ± 0.98	60	0.0244
	Nurse	84.81 ± 0.37	395	
Type of hospital	The children's hospital	83.22 ± 0.63	136	0.0169
	General hospital	85.03 ± 0.41	319	
Position	Staff	84.06 ± 0.34	437	< 0.001
	Head	95.06 ± 1.10	18	
Type of employment	Contract	86.48 ± 0.46	238	< 0.001
	Permanent	82.31 ± 0.48	217	
Received HAIs education within the previous year	Yes	86.62 ± 0.39	274	< 0.001
	No	81.28 ± 0.56	181	
Occupational exposure within 6 months	Yes	87.12 ± 0.39	284	< 0.001
	No	80.13 ± 0.52	171	

Table A4. (continued)

	Variables	Mean ± SD	n	p-value
Received invasive operation authority	Yes	86.56 ± 0.38	326	< 0.001
	No	79.26 ± 0.54	129	
Received antibacterial drug training	Yes	87.07 ± 0.42	257	< 0.001
	No	81.15 ± 0.50	198	
Attended consultation of nosocomial infection disease	Yes	86.52 ± 0.42	238	< 0.001
	No	82.27 ± 0.52	217	