

Table 4 Comparison of median knowledge, attitude and practice scores in different subgroups of health care providers before and after the health education intervention, Mecca, Saudi Arabia

Characteristic	Knowledge score (max. = 28)			Attitude score (max. = 11)			Practice score (max. = 8)			Cumulative score (max. = 47)		
	Pre-test	Post-test	<i>P</i> -value	Pre-test	Post-test	<i>P</i> value	Pre-test	Post-test	<i>P</i> -value	Pre-test	Post-test	<i>P</i> -value
Overall	18 (16–21)	21 (18–24)	< 0.001	5.5 (5–6)	6 (5–7)	0.022	8 (7–8)	8 (7–8)	0.591	31 (28–35)	34 (30–37)	< 0.001
Age¹ (years)												
<30	17 (15–21)	19 (16–22)	0.040	5 (4–6)	6 (5–7)	0.004	8 (7–8)	8 (7–8)	0.816	31 (26–34)	32 (29–35)	0.046
≥30	19 (17–21)	22 (19–24)	< 0.001	6 (5–6)	6.5 (5–7)	0.009	8 (7–8)	8 (7–8)	0.087	32 (29–36)	35 (30–38)	0.001
Sex¹												
Male	19 (17–21)	21.5 (17–24)	< 0.001	5 (5–6)	6 (5–7)	0.046	8 (7–8)	8 (6–8)	0.888	32 (28–35)	34.5 (30–37)	< 0.001
Female	18 (16–21)	20 (18–23)	< 0.001	6 (5–6)	7 (5–7)	0.040	8 (7–8)	8 (7–8)	0.068	31 (28–35)	33 (29–36)	0.006
Occupation²												
Physician	20 (17–23)	21 (19–24)	0.261	5.5 (5–6)	6 (4–6)	0.306	8 (6–8)	8 (6–8)	0.138	33 (30–36)	34 (30–38)	0.291
Nurse	18.5 (16–22)	21 (17–24)	< 0.001	5.5 (5–6)	6.5 (5–7)	0.037	8 (7–8)	8 (7–8)	0.227	32 (28–35)	34 (30–38)	0.001
Specialist	17 (13–19)	21 (16–24)	0.015	5 (4–7)	5 (5–7)	0.505	8 (6–8)	8 (7–8)	0.670	29 (25–33)	33 (29–36)	0.001
Technician	17 (15–20)	21 (16–23)	< 0.001	6 (4–7)	5.5 (5–7)	0.685	8 (7–8)	8 (7–8)	0.948	31 (27–33)	34 (29–36)	0.002
Years of experience²												
<5	17 (15–21)	22 (22–24)	< 0.001	5 (4–6)	6 (5–7)	0.031	8 (7–8)	8 (7–8)	0.390	30 (26–34)	34 (29–38)	< 0.001
5–10	19 (16–21)	21 (18–24)	< 0.001	5 (5–6)	6 (5–6)	0.062	8 (6–8)	8 (7–8)	0.057	32 (29–34)	34 (30–37)	0.002
>10	20 (17–23)	21 (17–23)	0.625	6 (5–7)	6 (5–7)	0.514	8 (7–8)	8 (6–8)	0.427	32.5 (29–35)	33 (30–35)	0.929

Values are median scores (interquartile range 25th–75th percentiles). Boldface indicates statistically significant difference. ¹Mann–Whitney test (2 subgroups); ²Kruskal–Wallis test (> 2 subgroups).