

## Supplement 2. Factors Affecting Attitudes and Barriers Scores

Variable	Perceived attitudes score			Perceived knowledge barriers score			Perceived organizational barriers score			Perceived miscellaneous barriers score			Perceived total barriers score		
	Mean±SD	t (df)	p-value	Mean±SD	t (df)	p-value	Mean±SD	t (df)	p-value	Mean±SD	t (df)	p-value	Mean±SD	t (df)	p-value
Position		-0.697 (1,139)	0.486		1.125 (1,139)	0.261		-3.877 (1,139)	<b>&lt;0.001</b>		-0.148 (1,139)	0.882		-2.113 (1,139)	<b>0.035</b>
Junior postgraduates	43.5±6.9			15.6±4.5			53.8±8.9			24.0±6.1			93.4±15.1		
Senior postgraduates	43.7±6.7			15.3±4.5			56.0±9.6			24.1±5.9			95.4±14.6		
Gender		-1.339 (1,139)	0.181		-1.403 (1,139)	0.161		-0.147 (1,139)	0.883		-3.282 (1,089)	<b>0.001</b>		-1.844 (1,139)	0.066
Male	43.3±6.9			15.3±4.5			54.6±9.4			23.5±5.7			93.4±14.5		
Female	43.9±6.7			15.6±4.5			54.7±9.2			24.6±6.3			95.0±15.4		
Grade point average <sup>d)</sup>		F(2,1081)=12.9	<b>&lt;0.001</b>		F(2,1081)=21.6	<b>&lt;0.001</b>		F(2,1081)=2.6	0.109		F(2,1081)=13.5	<b>&lt;0.001</b>		F(2,1081)=15.1	<b>&lt;0.001</b>
Excellent	45.2±6.5 <sup>a,b)</sup>			13.9±4.7 <sup>a,b)</sup>			53.5±9.1			22.3±5.6 <sup>a,b)</sup>			89.8±14.6 <sup>a,b)</sup>		
Very good	43.7±6.6 <sup>a,c)</sup>			15.6±4.4 <sup>a,c)</sup>			54.7±9.4			24.4±6.2 <sup>a)</sup>			94.8±15.1 <sup>a)</sup>		
Good or below	41.9±7.2 <sup>b,c)</sup>			16.5±4.4 <sup>b,c)</sup>			55.4±8.8			24.8±5.6 <sup>b)</sup>			96.8±13.5 <sup>b)</sup>		
Institution <sup>d)</sup>		F(2,1137)=2.0	0.108		F(2,1137)=4.9	<b>0.002</b>		F(2,1137)=6.0	<b>&lt;0.001</b>		F(2,1137)=1.7	0.172		F(2,1137)=6.1	<b>&lt;0.001</b>
University hospital	43.6±6.9			15.3±4.5 <sup>a)</sup>			53.8±8.9 <sup>a)</sup>			23.8±6.0			93.1±14.9 <sup>a)</sup>		
Ministry of Health	43.0±6.8			16.6±3.9 <sup>a,b,c)</sup>			56.9±9.2 <sup>a)</sup>			24.8±5.8			98.4±13.3 <sup>a)</sup>		
Private	44.7±6.3			15.0±4.9 <sup>b)</sup>			55.6±10.6			24.4±6.2			95.0±16.1		
Royal Medical Services	43.8±6.7			14.7±7.1 <sup>c)</sup>			56.2±10.3			23.5±6.3			94.4±19.4		
Publication status		-2.615 (1,139)	<b>0.009</b>		8.083 (401)	<b>&lt;0.001</b>		1.007 (1,139)	0.314		1.999 (412)	<b>0.032</b>		3.795 (407)	<b>&lt;0.001</b>
No	43.3±6.8			16.1±4.2			54.8±9.1			24.3±5.8			95.2±14.3		
Yes	44.5±6.7			13.4±5.0			54.1±9.9			23.4±6.6			90.1±16.6		
Currently working on a research project		-4.359 (1,139)	<b>&lt;0.001</b>		7.386 (1,037)	<b>&lt;0.001</b>		1.159 (1,139)	0.247		2.448 (1,049)	<b>0.014</b>		3.911 (1,056)	<b>&lt;0.001</b>
No	42.8±6.7			16.4±4.1			54.9±9.4			24.5±5.6			95.7±10.1		
Yes	44.5±6.8			14.4±4.7			54.3±9.1			23.6±6.4			92.2±15.7		
Previous research training		-3.596 (1,139)	<b>&lt;0.001</b>		7.375 (1,139)	<b>&lt;0.001</b>		2.858 (1,139)	<b>0.004</b>		1.578 (1,139)	0.115		4.623 (1,139)	<b>&lt;0.001</b>
No	42.9±6.9			16.4±4.4			55.4±9.2			24.3±5.8			96.1±14.4		
Yes	44.4±6.6			14.4±4.3			53.8±9.3			23.7±6.3			92.0±15.4		
Willingness to pursue academia		-7.804 (1,139)	<b>&lt;0.001</b>		2.343 (1,139)	<b>0.019</b>		-0.663 (1,139)	0.508		4.409 (1,083)	<b>&lt;0.001</b>		2.032 (1,139)	<b>0.042</b>
No	41.8±7.0			15.8±4.4			54.4±9.3			24.9±5.6			95.2±14.7		
Yes	44.9±6.4			15.2±4.6			54.7±9.3			23.4±6.3			93.4±15.1		
Confidence in leading a research project <sup>d)</sup>		F(2,1038)=22.9	<b>&lt;0.001</b>		F(2,1038)=94.4	<b>&lt;0.001</b>		F(2,1038)=2.9	0.054		F(2,1038)=10.7	<b>&lt;0.001</b>		F(2,1038)=24.5	<b>&lt;0.001</b>
High	45.5±6.5 <sup>a,b)</sup>			12.9±5.2 <sup>a,b)</sup>			54.6±9.5			22.9±7.2 <sup>a)</sup>			90.5±16.7 <sup>a,b)</sup>		
Moderate	44.0±6.5 <sup>a,c)</sup>			15.0±4.0 <sup>a,c)</sup>			54.0±8.9			23.8±5.7 <sup>b)</sup>			92.8±14.0 <sup>a,c)</sup>		
Low	41.8±7.2 <sup>b,c)</sup>			17.7±3.7 <sup>b,c)</sup>			55.5±9.5			25.1±5.6 <sup>a,b)</sup>			98.4±14.4 <sup>b,c)</sup>		

Statistically significant results are marked in bold.

SD: Standard deviation, df: Degrees of freedom, ANOVA: Analysis of variance.

<sup>a,b,c)</sup>Any two observations with the same letter were significantly different on the ANOVA least significant difference post-hoc analysis. <sup>d)</sup>The following factors were analyzed using the one-way ANOVA, while the rest were examined using the independent sample t-test