

Supplementary Table 2. Effect sizes of sub-total categories and individual factors

Main category	Sub-total category	Related variables	k	ESr	95% CI	p	I ²	Q	p
1. Individual factors	Sociodemographic factors	Clinical experience	6	.28	0.12 to 0.42	.001	91.2	56.55	<.001
		Age	5	.22	0.02 to 0.41	.035	93.2	59.01	<.001
		Sub-total	11	.25	0.13 to 0.36	<.001	91.5	117.96	<.001
	Cognitive factors	Perceived barrier	2	-.35	-0.59 to -0.05	.024	89.3	9.34	.002
		Perceived benefits	2	.30	0.13 to 0.46	<.001	68.3	3.16	.076
		Awareness of SPs	6	.29	0.20 to 0.37	<.001	59.4	12.30	.031
		Perception of SPs	5	.27	0.16 to 0.37	<.001	69.0	12.89	.012
		Perceived seriousness	2	.24	0.09 to 0.38	.002	56.9	2.32	.128
		Perceived sensitivity	2	.21	0.12 to 0.31	<.001	0.0	0.49	.483
		Attitude toward SPs	5	.16	0.01 to 0.30	0.04	84.0	24.96	<.001
		Sub-total	24	.25	0.20 to 0.30	<.001	72.1	82.56	<.001
		Knowledge factors	Knowledge of SPs	20	.18	0.10 to 0.25	<.001	84.0	118.98
	Blood-borne infection knowledge		3	.08	-0.00 to 0.17	.054	0.0	1.91	.385
	Sub-total		23	.17	0.10 to 0.23	<.001	82.7	127.21	<.001
	Moral-value factors	Moral sensitivity	4	.13	0.04 to 0.22	.003	30.7	4.33	.228
		Justification	2	-.07	-0.38 to 0.25	.662	95.0	20.12	<.001
		Sub-total	6	.14	0.07 to 0.21	<.001	42.0	8.62	.125
	Behavioral-motivational factors	Self-efficacy	5	.41	0.24 to 0.56	<.001	92.8	55.66	<.001
		Cues to action	2	.34	0.07 to 0.57	.014	87.0	7.69	.006
		Culture/practice	2	.17	0.07 to 0.28	.002	57.1	2.33	.126
Leadership		2	.16	-0.01 to 0.32	.067	81.8	5.51	.019	
Contextual cues		2	.07	-0.06 to 0.19	.305	67.3	3.06	.080	
Sub-total		13	.28	0.17 to 0.38	<.001	90.8	130.16	<.001	
2. Organizational factors	Organizational culture-related factors	Organizational culture for infection control	6	.47	0.39 to 0.54	<.001	54.6	11.01	.051
		Patient safety culture	5	.44	0.35 to 0.53	<.001	64.7	11.35	.023
		Safety climate	11	.23	0.16 to 0.31	<.001	73.6	37.92	<.001
		Sub-total	22	.35	0.28 to 0.41	<.001	86.3	152.74	<.001

The effect sizes for perceived barriers and justification were sign-reversed only for sub-total calculation (direction consistency). CI, confidence interval; ESr, correlation effect size; k, number of cases; SPs, Standard Precautions.