

Table 5 Predictors of standard precautions practice score for needlestick injury (NSI) among health care workers in teaching hospitals in Alexandria

Variable	Univariate model				Multivariate model ^a			
	β	F-value	P-value	R ²	Adjusted β	95% CI of β	F-value	P-value
Knowledge score	0.22	14.39	0.000	0.06	0.18	0.06–0.29	3.05	0.003
Perceived susceptibility of acquiring infection at workplace	0.02	0.02	0.885	0.00	–	–	–	–
Perceived severity of disease after NSI	0.35	11.83	0.001	0.05	–	–	–	–
Age	0.05	16.29	0.000	0.07	–	–	–	–
Years of work experience	0.07	16.84	0.000	0.07	0.06	0.02–0.09	3.39	0.001
Occupational group		4.00	0.008	0.04	–	–	–	–
Nurse	1.75	2.33	0.021	–	–	–	–	–
Staff physician	0.57	0.70	0.486	–	–	–	–	–
Trainee physician	0.62	0.89	0.375	–	–	–	–	–
Support staff	0.98	3.14	0.002	–	–	–	–	–

^aAdjusted R² = 0.093, F-value = 13.37, P < 0.001.

OR = odd ratio; CI = confidence interval.