

Table 1. Descriptive statistics of the research variables among female students of the fourth and fifth grade elementary school in Ivan (157 students)

Variables	Scores	Min-max of the scores	Percentages of the scores
Knowledge	5.21±1.63	1-9	57.9
Perceived sensitivity	14.34±2.31	8-18	79.7
Perceived severity	11.94±2.21	7-15	79.6
Perceived barriers	8.96±2.20	6-16	56.0
Perceived benefits	17.91±2.58	11-21	85.3
Self-efficacy	15.35±1.96	11-18	85.3
Behavior	18.94±2.13	11-21	90.2

Table 2. Comparison of the mean scores of knowledge, perceived sensitivity, severity, benefits and barriers, and self-efficacy and preventive behaviors of the variables of *pediculosis Capitis* according to demographic variables

Demographic variables	Knowledge	Perceived sensitivity	Perceived severity	Perceived barriers	Perceived benefits	Self-efficacy	Behavior
Grade							
Fourth	5.68±1.47	14.5±2.62	12.5±2.49	8.86±2.20	17.76±2.62	15.46±2.14	18.71±2.41
Fifth	4.81±1.66	14.2±2.01	11.46±1.82	9.05±2.20	18.04±2.56	15.26±1.79	19.14±1.85
P value	0.001*	0.419	0.003*	0.599	0.514	0.526	0.05
Father's education							
Below diploma	5.22±1.76	14.49±2.14	12.51±2.04	9.29±2.19	18.08±2.64	15.14±1.89	18.75±2.41
Diploma	5.10±1.54	14.33±2.35	11.57±2.30	8.67±2.17	17.81±2.50	15.41±1.78	18.88±2.03
University	5.41±1.62	14.14±2.50	11.84±2.14	9.05±2.24	17.86±2.71	15.54±2.35	19.32±1.89
P value	0.660	0.778	0.064	0.292	0.850	0.607	0.434
Mother's education							
Below diploma	5.14±1.71	14.57±2.26	12.11±2.06	9.08±2.20	17.95±2.59	15.17±1.82	18.79±2.28
Diploma	5.42±1.41	14.44±2.15	12.11±2.37	9.00±2.36	17.91±2.66	15.58±2.02	19.11±2.01
University	4.96±1.82	13.46±2.64	11.08±2.13	8.54±1.86	17.81±2.48	15.38±2.21	19.04±1.95
P value	0.447	0.100	0.094	0.553	0.972	0.496	0.679
Father's job							
unemployed	5.00±1.60	14.00±2.39	12.07±2.22	8.53±1.85	17.13±2.80	2.31±15.27	19.13±1.96
Non-governmental	5.25±1.66	14.63±2.12	12.02±2.23	8.88±2.25	17.98±2.48	15.11±1.85	18.62±2.27
Employee	5.20±1.61	13.92±2.56	11.75±2.20	2.21±9.24	18.02±2.72	15.80±2.00	19.47±1.80
P value	0.856	0.183	0.753	0.478	0.473	0.126	0.066
Mother's job							
Housewife	5.20±1.58	14.36±2.31	11.88±2.16	8.92±2.26	17.84±2.62	15.34±1.94	18.93±2.14
Employee	5.29±2.05	14.18±2.32	12.41±2.58	9.29±1.57	18.53±2.27	15.41±2.15	19.06±2.05
P value	0.823	0.762	0.348	0.511	0.297	0.892	0.813
History of disease							
Yes	7.25±1.26	14.50±1.29	12.50±2.38	8.75±1.50	19.00±1.63	14.00±1.63	18.25±2.22
No	5.16±1.60	14.34±2.34	11.95±2.21	8.99±2.22	17.85±2.60	15.42±1.95	18.98±2.13
Do not know	5.00±2.83	13.50±2.12	10.00±0.01	0.71±7.50	20.50±0.71	13.00±1.41	17.50±2.12
P value	0.039*	0.896	0.408	0.628	0.247	0.083	0.502

*P<0.05

Table 3. Correlation coefficient matrix of research variables

Variables	1	2	3	4	5	6
1- Knowledge	1					
2- Perceived sensitivity	0.126	1				
3- Perceived severity	0.357**	0.293**	1			
4- Perceived barriers	0.049	0.022	0.178*	1		
5- Perceived benefits	0.114	0.129	0.172*	0.039	1	
6- Self-efficacy	0.158*	0.067	0.213**	0.011	0.044	1
7- Behavior	0.131	0.020	0.040	0.0001	0.090	0.499**

**P<0.01; *P<0.05

Table 4. Logistic regression model for estimating the preventive behaviors for *pediculosis Capitis* infection

Demographic variables	OR	P value
Father's job (unemployed)	2.286	0.633
Father's job (non-governmental)	0.268	0.422
Mother's job (housewife)	0.013	0.004
Father's education (secondary school)	4.364	0.426
Father's education (diploma)	2.707	0.623
Mother's education (secondary school)	9.099	0.208
Mother's education (diploma)	4.590	0.376
Family size	0.648	0.567

Table 5. Regression model to predict the preventive behavior from *pediculus Capitis* (dependent variable) by independent variables

Independent variables	Slope of the regression line (β)	Standard error	P value	Coefficient of determination (R^2)
Perceived sensitivity	0.015	0.068	0.838	0.264
Perceived severity	-0.057	0.074	0.456	
Perceived barriers	-0.008	0.069	0.910	
Perceived benefits	-0.105	0.059	0.143	
Self-efficacy	0.515	0.078	0.0001	