

**Table 3 Prevalence of head lice with sociodemographic and other characteristics, Monastir, Tunisia, 2023**

Characteristics		Total		Pediculosis capitis		$\chi^2$	P value	OR (95%CI)
		N	%	N	%			
<b>Age (years)</b>	6–8	687	31.2	129 <sup>a</sup>	18.8	9.55	0.08	0.65 (0.48–0.89)
	9–11	948	43.1	178 <sup>a</sup>	18.8			0.65 (0.48–0.87)
	12–15	566	25.7	74 <sup>b</sup>	13.1			1.00
<b>Gender</b>	Male	1221	51.0	77 <sup>a</sup>	6.3	215.72	<0.001 <sup>**</sup>	1.00
	Female	1175	49.0	342 <sup>b</sup>	29.1			6.1 (4.69–7.93)
<b>Grade level</b>	First	413	17.2	72	17.4	11.92	0.036 <sup>*</sup>	0.70 (0.48–1.01)
	Second	266	11.1	47	17.7			0.69 (0.45–1.04)
	Third	360	15.0	74 <sup>b</sup>	20.6			0.57 (0.40–0.83)
	Fourth	441	18.4	90 <sup>b</sup>	20.4			0.58 (0.40–0.82)
	Fifth	449	18.7	76	16.9			0.72 (0.50–1.05)
	Sixth	466	19.4	60 <sup>a</sup>	12.9			1.000
<b>No. of students in class</b>	<25	1172	49.0	200 <sup>a</sup>	17.1	0.24	0.618	1.05 (0.85–1.30)
	≥25	1222	51.0	218 <sup>a</sup>	17.8			1.000
<b>Residence</b>	Urban	1948	81.3	350 <sup>a</sup>	18.0	1.66	0.197	1.20 (0.90–1.60)
	Rural	448	18.7	69 <sup>a</sup>	15.4			1.000
<b>No. of household members</b>	≤3 persons	102	4.3	12 <sup>a</sup>	11.8	15.60	<0.001 <sup>**</sup>	1.00
	4–5 persons	1464	61.1	228 <sup>a</sup>	15.6			1.38 (0.39–1.32)
	≥6 persons	830	34.6	179 <sup>b</sup>	21.6			2.06 (1.10–3.85)
<b>Father's education level</b>	Low	846	47.6	162 <sup>a</sup>	19.1	7.30	0.026 <sup>*</sup>	1.00
	Medium	639	36.0	94 <sup>b</sup>	14.7			1.37 (1.04–1.81)
	High	291	16.4	40 <sup>b</sup>	13.7			1.48 (1.02–2.16)
<b>Mother's education level</b>	Low	880	47.7	173 <sup>a</sup>	19.7	8.85	0.012 <sup>*</sup>	1.00
	Medium	584	31.7	88 <sup>b</sup>	15.1			1.37 (1.04–1.82)
	High	379	20.6	52 <sup>b</sup>	13.7			1.53 (1.09–2.15)
<b>Father's occupation</b>	Jobless	54	2.3	14 <sup>a</sup>	25.9	7.06	0.029 <sup>*</sup>	1.00
	Self-employed	2199	92.2	389 <sup>a</sup>	17.7			1.62 (0.87–3.02)
	Governmental employed	132	5.5	14 <sup>b</sup>	10.6			2.95 (1.29–6.71)
<b>Mother's occupation</b>	Housewife	852	35.8	126 <sup>a</sup>	14.8	7.61	0.022 <sup>*</sup>	1.19 (0.80–1.77)
	Self-employed	1304	54.8	253 <sup>b</sup>	19.4			0.85 (0.58–1.24)
	Governmental employed	222	9.3	38	17.1			1.00
<b>Family income</b>	Low	1502	63.6	270 <sup>a</sup>	18.0	1.76	0.415	1.00
	Medium	740	31.3	129 <sup>a</sup>	17.4			1.03 (0.82–1.30)
	High	121	5.1	16 <sup>a</sup>	13.2			1.43 (0.83–2.47)
<b>Daily combing</b>	Yes	2151	90.0	391 <sup>a</sup>	18.2	7.95	0.005 <sup>*</sup>	1.82 (1.19–2.77)
	No	239	10.0	26 <sup>b</sup>	10.9			1.00
<b>Comb-sharing</b>	Yes	1121	47.2	237 <sup>a</sup>	21.1	20.30	<0.001 <sup>**</sup>	1.63 (1.31–2.02)
	No	1254	52.8	177 <sup>b</sup>	14.1			1.00
<b>Bed sharing</b>	Yes	1885	79.4	338 <sup>a</sup>	17.9	1.01	0.313	1.00
	No	488	20.6	78 <sup>b</sup>	16.0			1.14 (0.87–1.50)
<b>Bathing frequency per week</b>	1	1331	56.7	242 <sup>a</sup>	18.2	1.26	0.531	1.00
	2	792	33.7	137 <sup>a</sup>	17.3			1.06 (0.84–1.33)
	>2	224	9.5	34 <sup>a</sup>	15.2			1.24 (0.84–1.83)
<b>Hair length</b>	Short	1004	42.3	93 <sup>a</sup>	9.3	91.19	<0.001 <sup>**</sup>	1.00
	Medium	823	34.7	175 <sup>b</sup>	21.3			1.39 (1.08–1.78)
	Long	546	23.0	149 <sup>c</sup>	27.3			3.67 (2.76–4.88)
<b>Hair thickness</b>	Thin	1373	58.4	230 <sup>a</sup>	16.8	0.63	0.425	1.09 (0.88–1.35)
	Thick	977	41.6	176 <sup>b</sup>	18.0			1.00

**Table 3** Prevalence of head lice with sociodemographic and other characteristics, Monastir, Tunisia, 2023 (concluded)

Characteristics		Total		Pediculosis capitis		$\chi^2$	P value	OR (95%CI)
		N	%	N	%			
<b>History of infestation</b>	Yes	1071	45.9	251 <sup>a</sup>	23.4	46.19	<0.001**	2.11 (1.69–2.62)
	No	1262	54.1	160 <sup>b</sup>	12.7			1.00
<b>Treatment type</b>	Medical	814	65.4	174 <sup>a</sup>	21.4	3.42	0.180	1.49 (0.96–2.32)
	Traditional	317	25.5	74 <sup>a</sup>	23.3			1.33 (0.82–2.16)
	Both	114	9.2	33 <sup>a</sup>	28.9			1.00
<b>Result of treatment</b>	Good	1079	88.7	211 <sup>a</sup>	19.6	42.83	<0.001**	1.00
	Bad	138	11.3	61 <sup>b</sup>	44.2			3.26 (2.26–4.71)
<b>Frequency of checks</b>	Everyday	1039	55.9	222 <sup>a</sup>	21.4	6.76	0.080	1.00
	Every 10–15 days	350	18.8	60	17.1			1.31 (0.95–1.80)
	Rarely	290	15.6	53	18.3			1.21 (0.87–1.69)
	Never	180	9.7	26 <sup>b</sup>	14.4			1.60 (1.03–2.50)