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Abstract

[PEREIRA, Luciano Jos?/a> et al. Psychological factors and the incidence of temporomandibular disorders in early adolescence. *Braz. oral res.* \[online\]. 2009, vol.23, n.2, pp. 155-160. ISSN . doi: 10.1590/S1806-83242009000200011.](#)

[The purpose of the present study was to evaluate the relationship between psychological variables and the clinical diagnosis of temporomandibular disorders \(TMD\) in 12-year-old adolescents. TMD pain was assessed by RDC/TMD examination \(Research Diagnostic Criteria for Temporomandibular Disorders\) \(Axis I and II\). Five-hundred and fifty-eight subjects \(330 girls and 228 boys\) were examined. Bivariate analyses were performed using the Chi-square test \(\$\chi^2\$ \). The logistic regression models were adjusted estimating the Odds Ratios \(OR\), their 95% confidence intervals \(CI\), and significance levels. Only 2.19% of the boys and 8.18% of the girls presented one of the Axis I categories. All variables from axis II were related to TMD diagnosis \(\$p < 0.001\$ \). Gender was significantly related to TMD diagnosis \(\$p = 0.0028\$ \). The risk of TMD incidence for girls was 3.5 times higher than that for boys \(Odds Ratio = 3.52, Confidence Interval 1.31-9.43\). The individuals who presented the variable "characteristics of pain intensity" \(CPI\) higher than 0 had 31 times more risk of TMD incidence \(Odds Ratio = 31.361, Confidence interval 6.01-163.5\). We concluded that psychological variables and female gender are important risk indicators related to TMD incidence, even in adolescents.](#)

[Keywords :](#) Temporomandibular joint disorders; Adolescent psychology; Pain.

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