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**ABSTRACT**

*This study is to determine the prevalence and the associated factors of low-back pain (LBP), which has multifactorial causes, among ambulance workers in Kelantan, Malaysia. The cross-sectional study involved ambulance workers in the emergency department in all government hospitals in Kelantan. Those who did not consent, complete or return the questionnaire as well as having rheumatic diseases were excluded from the study. The participants were asked to answer a self-administered questionnaire in English. Descriptive analyses and Chi-square test were used. A total of 168 respondents had completed the questionnaires with a response rate of 85.0%. Questionnaires with more than 95.0% items completed were included in the analysis (n=143). The respondents had a higher proportion of male than female (63.6% versus 36.4%). Assistant Medical Officer comprised of 60.0% of all respondents and the rest were nurses. The respondents' age ranged between 23 to 58 years old with a mean age of 38.27 and standard deviation (SD) of 7.27. The mean duration of involvement in ambulance service was 9.68 years (SD 6.97). The majority (98.5%) of the respondents were Malay. Gender, smoking status and hobbies were the associated factors of LBP among ambulance workers. The modifiable risk factors should be emphasized to the ambulance workers as a measure to prevent the development of LBP.*

**Keywords:** Prevalence, low back pain, prehospital emergency care, Malaysia, ambulance workers

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