A profile of bicycle-related injuries in Tai Po

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**Background:** Implementation of prevention programs for bicycle safety should be based on a good understanding of the profile of bicycle accidents. The objective of this study was to investigate the differences in the severity of bicycle-related injuries when comparing with various risk factors, and to utilize this information to formulate the intervention measures. **Methods:** A retrospective review was conducted on all patients (n=116) who were treated for bicycle-related injuries within a period of 66 days at the emergency department of a district hospital in Tai Po, New Territories. **Results:** School-aged children, especially boys, were more commonly injured. The head and lower extremities were the common sites of injuries. Female gender (c²=4.39; P<0.05) and injuries involving head and upper extremities (c²=12.61; P<0.05) were associated with higher chance of serious injury. **Conclusion:** Tai Po district had a high incidence of bicycle accidents due to its geographical location. Population at a greater risk for bicycle injury was the male gender school-aged children and therefore prevention program should be targeted at them. (Hong Kong J Emerg Med. 2003;10:81-87)

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