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ANALYSIS OF INJURY INCIDENCE AND ITS INFLUENCING FACTORS AMONG PRIMARY SCHOOL STUDENTS IN SHANGHAI, PUDONG NEW AREA

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Objective: To explore epidemiological characteristics of injury and its influence factors among primary school students in Pudong district of Shanghai city, thus providing effective prevention measures.

Methods: Using a random stratified cluster sampling method to investigate the injuries among primary school students in Shanghai, Pudong New Area. By self-designed questionnaire to study the incidence and influence factors of injury in the past one year among the students, then used Chi-square test and unconditional logistic regression methods to analyse the data. We issued 6225 questionnaires, and 6093 valid questionnaires were recovered (the recovery rate was 97.88%).

Results: The incidence of injury among primary school students was 22.99%. The incidence rate of male (24.86%) was higher than that of female (21.03%), the difference was statistically significant. There was no statistical difference in the distribution of injury among different ages. The main injury types were fall (14.21%), collision/crush (7.41%) and sharp injury (2.64%). The injury occurred mainly in May and July to October. Home and school were the most common place where the injury occurred. On the other hand injury usually occurred on lower limbs and fingers/toes. The unconditional Logistic regression showed that the risk factors were the only child in the family, fighting on campus frequently, punished by corporal punishment and often talked about injuries by their parents. Parents put the study pressure on their children, and often instructed children to pay attention to safety in school, which could prevent injury effectively.

Conclusions: The incidence of injury among primary school students in Pudong New Area is high, and intervention measures should be taken for the main types of injury such as fall. Parents' attention to injury problems and safety education for their children can prevent injuries effectively.

Biography

Pinqing Bai is mainly engaged in school health, food and nutrition health. He has his expertise in foodborne illness prevention and control. He and his project team carry out food safety risk monitoring and food safety risk assessments in Pudong New Area. Since 2014, he and his project team carry out heavy metal contamination and exposure assessment in edible fungi and vegetables. They also investigate does the dietary pattern of Pudong residents and further assess dietary quality. He is focused on the study of adolescent health risk behaviours too, further provide data support for children and adolescent health in Pudong New Area.

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