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Agricultural injury research in south mountainous area of Ningxia

Zhongqin Guo
Ningxia Medical University, China

Objective: To investigate the epidemiological characteristics of agriculture injury in South mountainous area of Ningxia and to explore the cause and effect preventive factors for this district agricultural injury on the basis of scientific evidence.

Methods: We adopted multi-stage stratified random sampling method. Our research object included 2118 household residents, 4611 inhabitants from 44 towns, 146 villages in three counties of xiji, haiyuan, tongxin.

Results: Survey results show that agricultural injury incidence rate is 9.09%, the injured person rate is 12.6%. The two numbers together mean that once a person is injured, it's very much possible for that person to have another or more injured incidences in a year. Men's agricultural injury incidence rate is 9. 9%, while women's agricultural injury incidence rate is 9.09%, Men have higher incidence rate than women. And education is also a significant factor, the lower is the education level, the higher is the incidence rate. The top five of agricultural injury species are knife/sharp instrument injury, sprain/strain, falls, motor vehicle trauma, and blunt injury.

Multivariate analysis shows that many other factors have influence on injury incidence, such as age, eyesight, physical disability, ethnicity, marital status, smoking status, sleeping quality and medication, main occupation and spared-time activities, production methods. Whether a person receives security education also has influence.

Conclusion: We can get the conclusion that agricultural hurt brings rural residents great bodily harm, and thus brings about huge economic losses. We should fully consider the injured crowd features, hurt types, moth distribution and other effective factors, take corresponding measures for controlling and improve security knowledge publicity.

Biography

Zhongqin Guo, Professor, Master Instructor. She started teaching in 1985 and is served as team leader for the Epidemiology and Health Statistics Department of Ningxia Medical University for the past 5 years. She is now deputy director of Chinese Preventive Medicine Association Ningxia Branch on epidemiology and hygienic statistics and maintains a seat on Ningxia Health Care Association. She has published more than 40 papers in the field of Public Health, and the book Statistical Applications for Biomedicine of SPSS 10.0. For windows, which she participated mainly in editing and publishing won the autonomous region's Excellent Textbook Award.

guozq_ny@yahoo.com.cn