

## The Assessment of Burden of Disease in Shilin County

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The Study of burden of disease (BOD, in brief as follows ) provides the important evidence for setting priorities and emphases in health research , and is in favor of optimizing the allocation of health resources and improving human's quality of life. The study of BOD has undergone the process from using the single measurement indicator of death to using comprehensive indicators that combine disability with death to evaluate BOD. Many indicators such as incidence, mortality, YPLL, DALY and DALE have been used to measure BOD. Based on having reviewed many literatures, the author has summarized the study status of BOD both in overseas and in China;then will evaluate the burden of disease of certain area;at last ,will put forward to preventive and therapeutic strategies .

**Objective:** The study aims to develop a method for evaluating the burden of disease (BOD) for residents in Shilin county, using disability-adjusted life years (DALY), an indicator presented recently, and evaluate their health status from different aspects with several indicators, and provide scientific guide for rural dweller's diseases prevention and treatment, and provide reference for reasonable application of these indicators through comparing the new and old indicators.

**Methods:** With PPS(sampling with probability proportional to size) sampling method, rural dwellers from some villages will be surveyed and the data concerning demography, surveillance of disease, and surveillance of death will be collected. The level of mortality and spectrum of mortality will be analysed by calculating crude death rate (CDR), standard mortality rate (SMR), potential years of life lost (PYLL), and standard potential years of life lost (SPYLL). DALY will be calculated and the BOD from different causes over people will be evaluated. Meanwhile the weaknesses as well as the strong points of these indicators will be pointed out.In addition,the weight and discount rate in the formulation of DALY and their actual meanings in the burden of disease study will be also discussed.

**Results,Conclusion(to be continued, the project is carrying out now.)**

**Keywords :** Burden of disease;Disability-adjusted life years

**Published Articles for the project:** present status and problems of study burden of disease.Zhou Shangcheng,Wan Chonghua,Cai Le. FOREIGN MEDICAL SCIENCES(Health Economics Fascicule ). 2004 Vol.21 No.4: 145-146