

A Study of Decision Support Model for NHI System in Taiwan

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ABSTRACT

Medical Decision Support System is an essential issue for the current healthcare system management base on the reason of large-scaling of hospital, raising cost of medical treatment and the establishing of healthcare insurance, which composed of a complex healthcare system in Taiwan. Hence, it soon raised the question how to integrate public satisfaction with promoting hospital management efficiency and medical quality effectiveness, and improving the effects of government healthcare policy at the same time we have considered. Since the implementation of NHI in March 1995, it covers 99% of insured population until 2004. However, with the financial bankruptcy of the Bureau of National Health Insurance, the government soon under financial pressure to increase the tax premium and limits the amount for health providers that finally leads into the reduction of healthcare quality and service satisfaction. In fact, the NHI is a dynamic complexity issue, our research use system dynamics as a methodology to construct a NHI decision support model, and then explain its system behavior and process a set of related analysis of policy to propose a specific suggestion for the government administration.

Keywords : Medical Decision Support System ; Health Service Administration ; National Health Insurance ; Strategic Management ; System Dynamics

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