

急診室醫療品質指標資訊系統之應用成效
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摘要

TQIP (Taiwan Quality Indicators Project) is an indicator series of assessing quality of medical service in Taiwan. The goal is to provide medical institutes with a standard for evaluating quality of medical services. The result of self assessment based on this standard, medical institutes can improve their quality of medical services. Currently, collections of information related to TQIP by medical institutes are achieved by manual labour. Not only does this require medical staff to spend extra time on top of their regular work, it also raises doubt on the accuracy of the data collected due to limited human resources. Due to the above reasons, this research plans to develop an electronic version of the nursing care system based on the TQIP emergency indicator (27 items) and using database as the core. By using information technology to reduce the amount of time medical staff spends on collecting information as well as providing information related to decision making, we improved the efficiency of the medical staff and thus promote the quality of medical services.

In order to provide an Information System for Quality Indicators of Emergency Department that is both compatible with the clinical environment and satisfying the needs of the medical staff, we develop and test this system in collaboration with the medical and IT staff from Medical Hospital. A modularized system with web-based interface has been deployed and tested in the clinical environment, which includes a HIS gateway, database, assessment module and reporting module. In the short term, the system can preserve complete nursing care records and reduce the workload of the medical staff. In the future, these records and statistics can become valuable resources for medical staff training and fundamental and clinical research in biomedical science.

關鍵字：Nursing informatics, Medical Informatics, Quality Indicators Project, Taiwan Quality Indicators Project, TQIP, Taiwan Healthcare Indicator Series, database, Taiwan Joint Commission on Hospital Accreditation, TJCHA