

## **DEVELOPMENT OF A HOSPITAL INFORMATION SYSTEM (HIS) IN THE ROYAL THAI ARMY AND PROGRESS TOWARDS CREATING A SYSTEM-WIDE NETWORK**

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For eleven years, physicians at the Royal Thai Army's 1200 bed Phramongkutklo (PMK) Hospital in Bangkok have been developing a robust Hospital Information System (HIS) using Client-Server Database technology. The PMK HIS encompasses over 300 workstations, is available 24x7 to over a thousand end-users, and automates data from diverse applications such as the OPD, IPD, pharmacy, laboratory, pathology, radiology, and back office functions such as financial and logistical services. A five-year plan has been developed to proliferate the PMK HIS to all 37 RTA hospitals and network these systems into a single, queryable data warehouse being developed on the PMK campus.

An overview of the PMK HIS and how the network and data warehouse are being developed will be described. Access to this data tremendous potential for data mining by hospital directors, RTA medical leadership, and AFRIMS researchers. Analysis and access to this information can be applied to improve patient care, improving the health of the Army's personnel, provide disease outbreak information, financial and utilization data, and supply and logistics management.

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