

ABSTRACT

The main focus of this study is to analyze the level of adoption of Hospital Information System, an integrated computer software system in the public and private sector hospitals of Hyderabad, as Hyderabad portrays not only the touch of urban but rural Sindh too.

The Hospital Information System is working effectively in the provision of better and effective health care services all around the World. In the public sector hospitals of Pakistan, we have the example of Pakistan Institute of Medical Sciences (PIMS) Islamabad, where Hospital Information system is contributing a beneficial role in the rapid and accurate flow of health information that ultimately leads to the better health care facilities (Malik *et al*, 2009). Whilst, in the Private sector, we have seen Hospital Information System is working successfully in the Agha Khan Hospitals, where People are getting benefit through their integrated patient referral system and online laboratory services, where patient's history is recorded as an individual case account.

There is no doubt, if Hospital Information System is adopted in the Public sector Hospitals, it would play a vital role in the provision of convenient and effective health care facilities, and not only common people who can't afford the expenditures of private, will get benefit of swift and better medical treatment at the public sector hospitals, but also the doctors will acquire an innovative way of prescribing medicines, where patient's history and related information will be available before them on the computers. This will help doctors to get rid of paper based medicine prescription and obsolete Parchi system for Patient's admission into OPD.

This research study explored the factors (barriers) affecting the adoption of Hospital Information System, and the influencing factors that encourages the adoption, and offers feasible and viable solutions for the adoption of Hospital Information System in the Public sector hospitals of Hyderabad.

This research study testified that there is a strong need to adopt **the** Hospital Information System at the public sector hospitals, and it can be adopted **with** small effort and less funding. It was also assessed that Hospital Information System is working well in the private sector and internal users (Admin Personnel, Doctors **and** Para-Medics) and the external users (Patients) are satisfied and getting benefit of **the** Hospital Information System, since it is providing the better and effective health **services** for the people of Hyderabad district.