



Introduction

Health information systems are such complexes or systems of processing data, information and knowledge in health care environments (*Reinhold, 2006*). The study and management of information technology is often referred to as the field of informatics and information technology is being used to store ,research data ,disseminate research and practice information and retrieve information for use (*Rider & love ,2008*).

Information systems are systems which involve informational output, whether this output takes the form of computer output or other machine processed data. Hospital information systems are computer-based system that could be capable of receiving, storing, processing, distributing and reproducing immediately all information pertinent to patients care through out hospitalization (*Amin, 2003*).

American nurses association (2001) and *meadows (2007)* defined nursing informatics in its scope and its standards as the following "nursing informatics is a specialty that integrates nursing sciences, computer science and information sciences to manage and communicate data, information and knowledge in nursing practice". Nursing informatics facilitates the integration of data, information to support patients, nurses and other providers in their decision making in all roles and settings.

Computers enable an efficient storage of huge amounts of medical data. Computer storage can serve as the best means of housing this information. Medical journals, research and diagnosis papers, important medical documents and reference books can best be stored in an electronic (*Oak,2011*).



The use of computer in education will be increasingly common in the current decade; research reveals that computer –assisted interactive instruction. However, computers have yet to reach their full potential. Future uses of computer include problem solving. The days of computer ignorance have ended. Currently, computers are as important as class plans in delivering educational services, assist in organizational planning, problem solving and decision making. Staff developmental educators must maximize their use of computers to achieve expected performance outcomes. With tremendous capacity for storage and retrieval of data, arithmetic communication and drawing of comparison relations, computers have become indispensable management tools(*Straessle, 2002*).

Clinical informatics is concerned with use information in health care by clinicians. Clinical informatics transforms health care by analyzing, designing, implementing and evaluating information and communication systems. That enhance individual and population health out comes, improve patients care and strength the clinicians- patient relationship. Clinicans collaborates with other health care and information technology professionals to develop health informatics tools which promote patient care that is safe , efficient, effective, timely patient centered and equitable (*Gardner, 2009*).

Benefits of hospital information systems are easy access to patient data to generate varied records, including classification based on demographic data as gender, age, and so on. It is especially beneficial at ambulatory (out-patient) point, hence enhancing continuity of care. It helps as a decision support system for the hospital authorities to develop acomprehensive health care policies. It leads to efficient and accurate administration of finance, diet of patient, engineering, and distribution of



medical aid .Also improve monitoring of drug usage, and study of effectiveness this leads to the reduction of adverse drug interactions while promoting more appropriate pharmaceutical utilization lastly enhances information integrity, reduces transcription errors, and reduces duplication of information entries. (*Shortliffe& Cimino, 2006*).

Adoption of information technology may either be facilitated or impeded by attitudes toward automation of information systems. Negative attitudes may cause people to avoid using computerized systems or even resist the introduction of such systems in an organization. Attitude has long been used as a determinant for a user's intention to use or adopt an information systems or software package. A favorable or positive attitude enhances ones motivation to learn and retain information in a given situation; conversely, a negative attitude may impede learning and retention of new information. Attitudes may also be influential in developing behavior that can initiate a response to a situation (*Dillon, et al 2005*).

Significance of the study

Now the use of information systems at hospitals will result in a great useful for the nurse as well as for the patient. It well result in decreasing the time that wasted in documentation on the paper chart for the nurse ,Also information systems will save the information and make a sense of privacy for the patient .So it is important to assess nursing personal dispositions toward using information systems at Benha University hospital.