

INFORMATION TECHNOLOGY IN MEDICINE

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Leaders in the field of implementation of computer technology is the architecture (architectural design), engineering, education, banking and late, and medicine. This medicine, including alternative, becoming today a completely new features. One of the ways of building health information systems is a medical information system (MIS). They are equipped with various medical institutions and units. The structure of such systems include automated registry, formalized hospital records attached contingent, accounting and analysis of attendance, sickness, checkups, health center, temporary disability, vaccinations, fluorography research, planning and calculation of doctors, forming all reporting and statistical documentation on the activities of the clinic, hospital and its departments. MIS provides personnel management, financial, material and technical resources, including medicines, medical instruments and equipment. The widespread introduction of MIS in Ukraine health system is important for the effective management of health care setting, improving the quality and objectivity of the diagnosis. MIS system components in a medical institution (hereinafter - the institution) and its technical support, implemented a set of measures regarding the unauthorized and uncontrolled introduction, modification, deletion, copying, distributing data. A wide range of functionally oriented applications MIS allows to create a variety of information network focused on the decision of all spectrum management tasks of medical and health care process in the medical facility. In health care use computer technology to process financial records. This reduces the duration of the financial operations and reduced the number of errors. Electronic medical history provides operational accounting costs associated with diagnostic and therapeutic procedures using medical supplies and materials, payment of medical services personnel, etc., which is crucial for health insurance. Medical Information System (MIS) - a tool for the definition and planning of all resources of medical institutions that are necessary for the conduct of medical diagnostic, administrative, economic, financial, service activities and accounting in providing medical services. The main advantages of MIS implementation in a medical facility are "Everything at a glance" - is the only database that makes it possible to keep operating beside all resources (material, human, financial). Increased security and privacy policies through the introduction of access to different data and login, password or fingerprint.. One of the major features of the system is the ability to keep records of financial flows. Modern MIS provide income to track with different levels of detail: clinics in general, departments, doctors and services rendered for any period. The use of electronic medical protocols, the possibility of calculating the effectiveness of treatment, reducing the likelihood of medical errors increases the quality of medical services. The information system is a reliable tool for strategic decision making.