

## **Information and Communication in the Medical Field of Technologies the Share of Caught Orni and Medicine**

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**Abstract:** information technology is now used everywhere. It is clear that such an important area of human life as health cannot be left out. The latest digital developments have a positive impact on the development of the most promising ways of organizing medical care for the population around the world. At the same time, the effective construction of information technology infrastructure is becoming more important. Many countries have been actively using innovations in the field of medicine for a long time. This article covers information about the share of information and communication technologies in medicine and the orni in the fields of Medicine.

**Keywords:** Medicine, information technology, Clinic, Health, be'mor, service, modern technology, automation.

**Introduction:** information technology is ubiquitous in the modern world. Health care is no exception. Modern information technology developments have a positive effect on the development of new methods for organizing the provision of medical care to the population. Conducting teleconferences for patients and employees, exchanging information about patients between different institutions, remote recording of physiological indicators, real — time monitoring of operations—all this is provided by the introduction of information technology into medicine. This leads health informatization to a new stage of development, has a positive effect on all aspects of its activities. At the same time, we should deeply understand the importance of the president of our state "mastering modern information and computer technologies, the internet system, modern methods of digital and wide-format telecommunications in the field of education, such advanced achievements that determine the level of today's development, provide the ground not only for schools, lyceums and colleges, higher educational institutions, but", it is important to say how appropriate his sentence is.

Informatization of society is understood as the application of comprehensive measures aimed at ensuring full and timely use of human activity in all socially significant areas with information, knowledge, reliable information to all workplaces. Informatization serves not only to raise the financial and economic indicators of the national economy, but also to develop the health system, create new jobs, automate jobs and qualitatively raise the standard of living of the population. Practical work on the wide introduction of information and communication and Internet technologies into the educational process in order to educate a healthy and competent generation in our country, realize the creative and intellectual potential of young people, and educate young people and girls of our republic as mature individuals who fully meet the requirements of the 21st century is carried out based on the The large-scale introduction of

information and communication technologies into the educational process is represented by a reduction in the time it takes to search for educational and scientific information by a student and professors, an acceleration of mastering the content of e-learning literature based on the demand of the period, the emergence of additional time for independent education of students.

The introduction of AT into the health sector allows to improve the quality of services, significantly speed up the work of employees and reduce the cost of patient services. Information technology in the field of Medicine and health helps to solve the following tasks:

- keeping records of patients in the clinic;
- remote monitoring of their condition;
- storage and transmission of results of diagnostic tests;
- control the correctness of the prescribed treatment;
- distance learning;
- providing advice to inexperienced employees.

Discussion: currently, the subject "Information Technology in medicine" is studied by students of all medical higher educational institutions of the Republic. Even in the study of this subject, there is a lack of textbooks in the state language for teaching students based on the requirements imposed by our state. Information technology in medicine allows high-quality monitoring of the condition of patients. Maintaining electronic medical documents allows you to reduce the time spent by the clinic staff on the preparation of various blanks. All information about the patient is provided in one document available to the medical staff of the institution. All information about the results of examinations and procedures is entered directly into the electronic medical card. This allows other specialists to assess the quality of the prescribed treatment, to identify inaccuracies in the diagnosis. The use of IT in medicine allows doctors to conduct online consultations at any convenient time. This increases the availability of medical services. People can receive qualified assistance from experienced doctors remotely. This is especially true for people:

- living in geographically remote areas;
- disabled;
- caught in an emergency;
- located in limited space.

Thus, patients or doctors do not have to go long distances to seek advice. With the help of modern information technology, the doctor will be able to assess the patient's condition, examine him and get acquainted with all the results of his examination. Such consultations are needed not only for patients with physiological problems. Conversations also allow people who need psychiatric or psychological help. Audiovisual Communication allows the doctor to establish contact with the patient and provide him with the necessary assistance.

Today, medical information systems are actively developing, which allows institutions to work more efficiently and faster. Today, the informatization of health care in Russia is increasing the attention of the government. Financial investments in the development of new medical information technologies have a positive effect on their development and improvement. Health informatization is a very broad concept that also includes activities aimed at informing professionals about the world's scientific advances in medicine using it. Thus, it is an effective way to train and improve the skills of hospital and polyclinic employees. With the help of such technologies, doctors can quickly learn about new developments and discoveries that will help to work more efficiently. This problem is especially relevant for medical workers working in remote settlements. The introduction of innovative technologies into medicine is quick and easy. The interface of such systems is open and intuitive even for unprepared users. The clinic staff

will be able to quickly master the operation of these new technologies. Developers will help to understand all the nuances of product performance. After completing the training, which requires a minimum of time, medical personnel will have:

- work with information resources;
- teleconference;
- work in local and global computer networks;
- use help systems.

Today, it is planned to create a national telemedicine system within the framework of Health informatization. With the right approach, this technology not only significantly improves the quality of the drug, but also helps to reduce costs. For example, doctors do not need to allocate money so that they can attend scientific conferences. They will be able to participate in such events remotely. Modern IT options in health care allow you to have a positive effect on all aspects of medical care. The use of Information Technology in medicine also allows:

- distance learning;
- establishing contacts to share experiences with colleagues;

Get the latest health information. In addition, technology can improve the management of a medical institution. Allows you to automate the work of medical systems:

- clinic management;
- planning and economic department;
- personnel department;
- financial service;
- pharmacies;
- material services.

Managers are also given the opportunity to cooperate more effectively with the compulsory health insurance fund, the territorial body of Health Management. In medicine, IT allows you to optimize the work of doctors, register, reception Department and other services. In addition, the use of innovative systems simplifies the institution's system of providing medicines. New technologies will help quickly:

- registration of operations on income and expenses;
- control over warehouses;
- formation of applications for the supply of medicines;
- control of drug consumption;
- write off materials, preparations;
- creation of reporting documents and submission to higher authorities.

Information technology is actively used in the field of education in medicine. Distance seminars allow students of universities and medical schools to acquire the necessary knowledge. Such technologies allow young specialists to attend the lectures of famous doctors, gain new knowledge and experience.

**Conclusion:** as a conclusion, it is appropriate to say that it is necessary to study the concepts of "quality of Education", "introduction of innovations into production", "knowledge-based medicine" and "Information Communication Technologies in education" without separating them from each other. The concept of " quality of education " is primarily due to the erudition of students in universities, professionalism of professors and a high level of Organization of

educational processes, which is the main goal of Education. On the basis of information and communication technologies, the quality of educational processes is ensured by such factors as the provision of rooms adapted to laboratory training with modern techniques, the methodological support of laboratory training, the level of scientific potential of teachers who are immersed in the educational process, the development of state-language textbooks and manuals, the quality level of management of educational processes. World experience shows that the wide penetration of information and communication technologies and the internet into the educational sphere is also opening up a huge path for the globalization of educational services. Given such positive aspects that are happening in the field of education, the mass use of information and communication technologies to improve the quality of education is becoming a requirement of the era. As one of the peculiarities of teaching the subjects "information technology in medicine", it is possible to indicate the modular system, since this system takes into account the diversity of student knowledge. Another positive feature of the module system is that it is possible to expand the content of Science, change, improve and introduce new modular elements, as well as move to new stages between modules. In terms of methodology (methodology), the continuity of the disciplines of "Information Technology in medicine" is based on: • unity of science content, i.e. complementarity; \* similarity of teaching method and cognitive skills.

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