Development Of Digital Medicine In Uzbekistan

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Abstract: Perspectives of digital medicine in Uzbekistan. Using electronic health cards reduces paperwork and saves time. Also, usage of electronic health cards improve the quality of medical services to the population.

Keywords: Electronic Health Record (EHR), ONDOC, Medesk, MEDMIS, time, protected, information, online, phone, computer

1. Introduction

According to the Frost & Sullivan analysis agency, the digital medical solutions market will grow by 40% annually to $ 6 billion by 2021. [1] This means that in developed countries, electronic medical records, remote examination of patients and the sale of medicines via the Internet are increasingly being used. What are the prospects for healthcare in Uzbekistan? The world's only electronic medical registration system (EHR) is currently widely used by the following countries: Austria, France, Israel, Japan, Singapore, Estonia, Finland, Slovakia, Spain, and Sweden. EHR is partially used in the UK (not in all regions). The EHR system consists of elements that take into account data protection, physician access to information, a common database of terms, and the development of common standards.

2. Main body

Electronic medical cards as an alternative to paper Electronic medical cards (EMCs) store patient information, complete medical history, prescription and medication information, available information it becomes possible to systematize and analyze the data. Both the patient and the attending physician have access to the cards. Such cards can contain a complete history of the person's visits to various medical institutions, tests and vaccination forms, information about allergies and all diseases. . This allows doctors in medical institutions to quickly obtain complete information about the person they refer to and clearly define a treatment plan, as well as significantly reduce paperwork. Electronic medical records (EMCs) have a number of important benefits for both physicians and their patients. has With less bureaucracy and less time to collect patient information, the patient is treated faster. In addition, the quality of medical services will increase.

Advantages of electronic medical cards:

- Patient status information is stored in a secure location - protected cloud storage. Also, complete information about all diseases and features will not be lost and will be available at any hospital.

- This card contains information about changes in the patient's body throughout life. Prompt access to such complete information will help physicians perform tests and make accurate diagnoses.

- Systematic data stored in digital rather than paper form allows medical organizations to conduct effective research. In particular, in terms of disease statistics.

- ETC allows for the implementation of separate programs to control the quality of health care in the country.

- The ability to add digital data from paper cards to the database allows for more accurate predictions based on large amounts of data.

3. Discussion

Electronic medical cards in Uzbekistan Introduction of electronic health care system in Uzbekistan June 20, 2017 PQ-3071 "Measures to further develop the provision of specialized medical care to the population of the Republic of Uzbekistan in 2017-2021" The Presidential Decree The main task of introducing ETC in Uzbekistan is to legalize information systems in the health care system, reduce bureaucracy and improve the quality of medical services. Such a system significantly simplifies the work process: for example, an individual's electronic medical card can be signed using the doctor's electronic signature. This means that such documents can be stored electronically completely paperless, reducing the time it takes to print and sign such cards. These are: MEDMIS [3]. It is a system for private clinics that allows you to manage the work of the hospital. This system supports the storage and reception of electronic files. The program also helps with dental notes and calculation of stored materials. The program has a section "Medical History", which can include records of doctors who have previously visited the patient. the system is integrated with IP telephony. Medesk [4]. A system that allows private clinics to easily and quickly manage workflows and reduce

paperwork. The system supports the storage of an electronic patient card that contains complete information about the patient's health status, prescriptions and treatment. This system allows you to compare the history of the disease with current data, look at the notes of other doctors who examined the patient, and quickly see the test results.

ONDOC [5]. A free system that helps to store patient information electronically. Digital cards can be used with both a computer and a mobile phone. A person can present his card to clinics and insurance companies, collect all the information about his health, treatment, appointments, vaccinations and tests.

3. Conclusion

Informatization simplifies and optimizes the management of hospitals without the use of unnecessary documents and resources, helps to form staff, manage financial and material resources. Digitization of the medical sector will contribute to the development of telemedicine in the country, the mass introduction of remote counseling, online ambulance services. This will help raise the level of health care to a new level: the volume of paperwork will be reduced, it will be possible to work with big data and get advice remotely. Digitize national health systems and develop technologies. The increase in demand will contribute to the development of the digital medicine market. Government initiatives to promote and introduce electronic medical records management systems will play an important role in this.

5. References:

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