CREATION OF ELECTRONIC MEDICAL BASE WITH THE HELP OF SOFTWARE PACKAGES FOR MEDICAL SERVICES IN THE REGIONS

Qodirov Farrux Ergash o'g'li
Independent Researcher, Assistant of the Department of "Information Technology" Karshi Branch of the Tashkent University of Information Technologies named after Muhammad Al-Khwarizmi, Karshi City of Kashkadarya region of the Republic of Uzbekistan

Annotation: This article presents opinions on the creation of an electronic medical database of medical services in the regions using software packages, their possibilities and effective ways of using information technologies in their organization. In addition, the database and algorithm are presented in the article.

Key words: Health services, database, digitization, digital platform, information system, software package.

The main idea is that the center of the integrated medical environment is the patient's electronic medical database, which should be secure and acceptable, integrated with other types of useful information.[1] The traditional paper-based medical questionnaire can no longer meet the requirements of modern medicine. The paper-based medical record developed in the 19th century and was used as a laboratory record to record the relevant details of a particular patient when doctors saw them. filled out a questionnaire with very few test results. Although these records met the demands of doctors a century ago, they are unable to meet the changing demands of the medicine and health care system in the following decades. Today, it is clear that paper-based chart records do not serve the best interests of the patient, the clinic, and the health care system.[2] Organization of various types of information on a paper-based medical questionnaire written through (data obtained directly from patients, laboratory and direct notes between radiological results, telephone calls or medical questionnaire reports and data). The questionnaire, thus, is composed of a compilation of data generated from various sources, usually in chronological order. Collecting, storing, and using medical data Since ancient times, ideas about patient care and treatment have been based on data tracking and based on his imagination.[3]

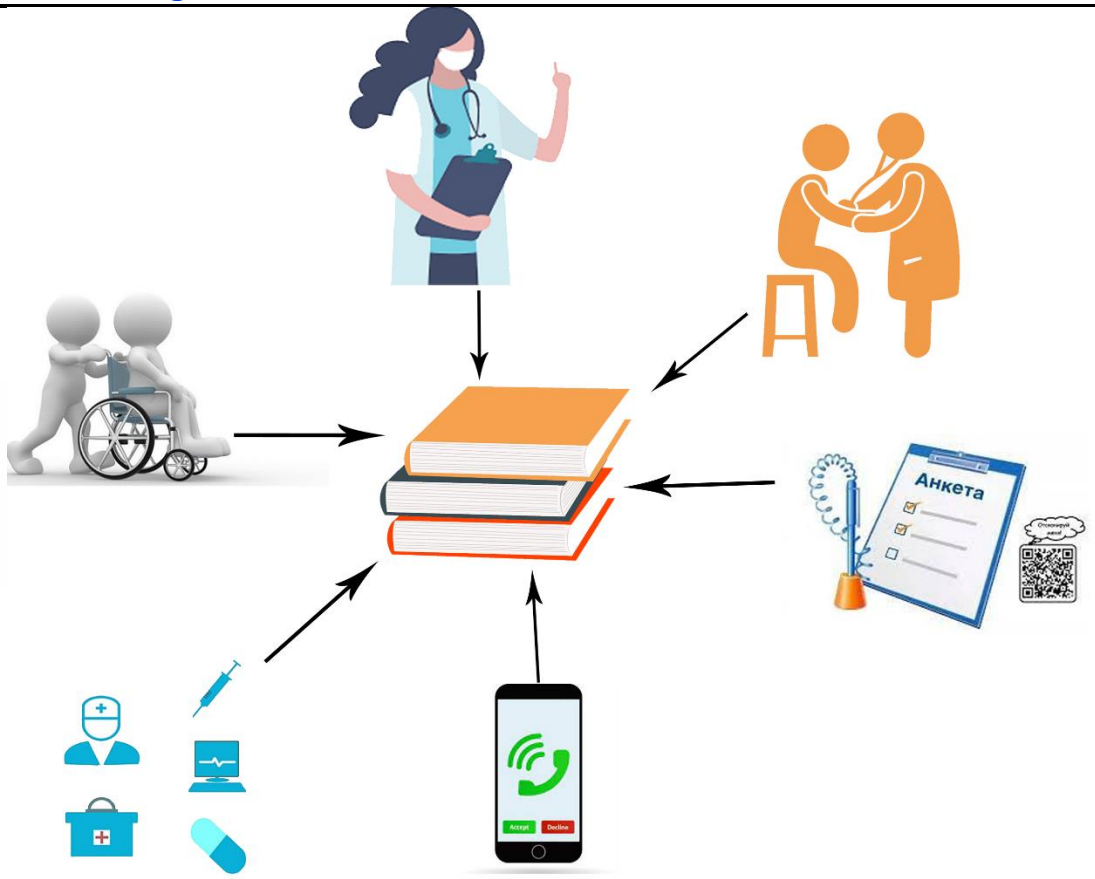

Figure 1. A traditional paper-based medical questionnaire.

Whether we look to the literature of ancient Greek physicians or to modern physicians' use of X-ray studies and sophisticated laboratories, we find that data and the interpretation of its meaning are central to the health care process. With the use of genetic information in assessing the condition of an individual patient (their risk, prognosis and treatment possibilities), it can be seen that the importance of the amount of information in patient care and treatment is great.[4] Data collection, storage, and use can be seen repeatedly addressed in computer science textbooks. This paragraph attempts to cover the use of information, knowledge, and computers in all aspects of health care and biomedicine, as well as the clinical world and public health, biology, and human genetics applications. If the data are relevant to the entire healthcare industry, they are more important in the decision-making process. In fact, all health care activities consist of data collection, use, and analysis. The database categorizes the problems a patient may have or provides a basis for identifying subgroups of patients within the population.[5] They also help the doctor determine what actions are needed and what additional information would help to make the most effective diagnosis, better understanding of the patient's problem, or decision making for the patient's treatment. Decision making in medicine comes from systems thinking based on probability theory in health care facilities. Health care providers are often faced with difficult decisions because clinical data are imperfect and treatment outcomes are uncertain.[6] We need to develop medical decision-

making systems based on probability theory in medical service enterprises and start implementing them step by step.

References

1. Farrux Qodirov, Xudayar Muhitdinov. / Features that increase efficiency in the provision of medical services and factors affecting them. 2022/7/30 TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI.
2. Irina Bozorova Jumanazarovna, Qodirov Farrux Ergash o‘g‘li, Karayeva Dilfuzaxon Mamasharipovna. / MODERN PROGRAMMING TECHNOLOGIES AND THEIR ROLE. / 2020 Материалы конференции Интеллектуальный капитал XXI века страницы 19-21.
3. Ф.Э.Кодиров, О.Д.Дониёров. / Эффективные модели развития медицинского обслуживания населения Кашакадьинской области. 2022. Журнал Символ науки номер 7-2. страницы 15-17.
4. Axborot texnologiyalari Axborot texnologiyalari haqida / J Abdirasulov - Архив научных исследований, 2020.
5. Qodirov Farrux Ergash o’g’li. Bir jinsli va bir jinsliga olib kelinadigan differensial tenglamalar. amaliy masalalarga tadbiqi (ko’zgu masalasi)/ Barqarorlik va yetakchi tadqiqotlar onlayn ilmiy jurnali. 2022/1/23
6. Qodirov Farrux Ergash o’g’li. O’zgaruvchilari ajralgan va ajraladigan differensial tenglamalar/ Barqarorlik va yetakchi tadqiqotlar onlayn ilmiy jurnali. 2022/1/23.