Analysis on the Fusion Application of Big Data Technology in Hospital ArchiveManagement

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Abstract:

Archives management as an important part of the hospital construction process, its management quality and efficiency are related to the stable development of the hospital. In the context of the current era of big data, the extensive application of modern information technology has brought a huge impact on hospital archives management. The traditional archives management model has been unable to meet the needs of the current era, and information and digital archives management has become an inevitable trend. In this regard, the hospital needs to update the working concept of archives management personnel in a timely manner, carry out effective reform of archives management, integrate big data technology into archives management, promote the improvement of work efficiency and promote the stable development of the hospital.

Keywords:

Big data; hospital archives management

Introduction:

With the advent of the era of big data, various modern information technologies have been applied to various industries, effectively changing the traditional working mode and improving work efficiency. Hospital archives management is a professional, systematic and confidential work, which plays an important role in the hospital work and directly relates to the healthy development of the hospital. Therefore, the hospital needs to actively change the traditional paper file management mode under the background of big data, build a big data platform for file management, formulate a sound management mechanism, strengthen the training of big data technology for file management personnel, improve the information ability of managers, and improve the level of file management, so as to give full play to the value of archives and provide good services for the public. In this regard, this paper analyzes and studies the application of big data technology in hospital archives management.

I. Application status of large data technology in hospital archives management

1 The technical concept of hospital archives management is not scientific

No matter it is information management or manual management, people are the core of improving hospital archives management ability. Hospital archives management personnel, who are only in the superficial stage of information entry and query, lack advanced technical management consciousness, and the rest aspects have not been deeply applied, which makes the hospital information management system not give full play to its management efficiency. Most hospitals pay attention to the development and application of new technologies. However, the important role of archival data management technology in hospital management is ignored.

2 Limited use of hospital archives

At present, most hospitals lack precise and detailed services on the access users, access time and methods of electronic archives. In terms of management, there is also a lack of effective combination with the OA system, resulting in the OA system can not efficiently obtain file content.

3 Lack of sharing of hospital archive resources

Hospital archives information resources, no matter the degree of archival digitization or archival information, there are

sharing shortcomings. The data storage mode still follows the traditional mode, and the collection methods and storage formats are also different. Each independent database is isolated from each other, leading to the failure of data integration and compatibility, which seriously affects the sharing and effective use of information resources in hospital archives.

4 Lack of corresponding norms and standards for archives management.

Due to insufficient attention to the file management of all levels of hospital personnel, this leads to the file management system is not sound enough, the lack of reasonable norms and standards, and can not be effectively implemented, and then affect the effectiveness of file management. At present, most hospitals still use the traditional management mode in the archives management work, which hinders the modern development of archives management. At the same time, the archives management of various departments in many hospitals are managed separately, such as clinical archives are managed by clinical departments, hospital construction archives are managed by hospital offices, etc. The hospital does not set up a unified file management department, and such a scattered file management model restricts the development of file management, the hospital will also have many problems in the use of archives, affecting the accuracy of judgment, and then affecting the development of the hospital.

II. The strategy of applying big data technology to hospital archives management

1 Talent team construction

In order to improve the application efficiency of big data technology, it is necessary to strengthen the construction of talent team. Therefore, the hospital needs to take effective measures to build a high-quality archives management team, so as to lay a solid foundation for the development of archives management. The hospital can invite some professionals or experts with rich experience in big data to train the archives management personnel and help the on-the-job personnel master advanced big data knowledge and application technology, so as to meet the needs of the information construction of archives management. At the same time, the hospital also needs to actively introduce high-quality professionals, the selection of personnel to conduct a comprehensive assessment, from the source to improve the ability of archives management personnel. In addition, the hospital also needs to establish a sound assessment system, regularly assess the file management personnel, and carry out reasonable rewards and punishments, so as to mobilize the enthusiasm of the file management personnel, strengthen the application of big data technology, and achieve the improvement of the efficiency of file management.

2 Storage sea quantification, sharing synchronization

Cloud storage technology with its TB, PT level of mass information storage, to solve the hospital in the development process of a large number of increased digital information. Hospitals can also upload massive digital resources to the "cloud", and realize the preservation, utilization, expansion and upgrading of archive information through the use of cloud technology, which solves the technical problem of limited storage space of hospital archive information. The archive information resources of hospitals in different regions and different departments are unified in the cloud processing system. Departments at all levels of the hospital obtain information resources through different permissions, and use the one-click query function to realize the sharing of information resources.

3 Online communication and the use of intelligence

In the context of big data, the frequency of people's use of information is constantly increasing, and patients can understand the status quo of China's medical development and the level of medical treatment at any time through the network platform. According to their own needs, they can also independently choose medical personnel for online consultation and exchange, and enjoy more comprehensive and all-round medical services. Big data technology has the characteristics of strong interactivity, archives managers can break through the limitations of time and space, more convenient access to archive information. Continuous use of cloud computing technology to build databases, so that a large number of medical data can be combed, analyzed, associated and formed an information network, making information resources more intelligent.

4 Security maintenance of big data platforms

The main content of hospital archives management is to collect and organize patient information, so as to establish

patient files, which also includes medical information and personnel files. These information and data involve some privacy, so it is necessary to ensure the security of big data file management and do a good job in the security maintenance of big data platforms. When establishing a big data management platform, it is necessary to set the user's permissions and supervise the account of each login to the system to avoid the situation of file data leakage. At the same time, the hospital needs to establish its own local area network, separate the local area network from the external network, and ensure that the internal network of the hospital is protected from external intrusion and disclosure of information. At the same time, intelligent gateways should be added to create a safe network environment for file management in the background of big data, and further ensure the safety and stability of file management.

5 Realize the rational allocation of resources

For hospitals, medical resources are relatively scarce at all times, which requires hospital managers to make reasonable use of limited resources to help more patients recover. The effective use of big data platforms can fully alleviate this situation at the technical level. The big data platform is used to effectively integrate the medical resources of the hospital, and through the superior performance of computer technology, it can efficiently process medical files and a large number of patient data, and realize the scientific and reasonable allocation of physiotherapy resources, so that the overall medical resources of the hospital can play a huge function and role, so as to effectively solve the shortage of medical resources. On the other hand, big data can also dynamically track the medical resources of the hospital in real time, determine the occupation of various medical resources, and form a scientific resource allocation plan.

6 The application of "blockchain" technology for comprehensive supervision

Big data technology can ensure the information security of hospital file management, and encryption technology and blockchain technology can provide more feasible solutions for hospitals. Hospital archivists can encrypt the archival data information in the form of keys, but the blockchain technology can better avoid the security invasion of each hospital archival information, and each file in the hospital blockchain has a backup to avoid the loss of resources.

Conclusion

In short, with the advent of the era of big data, the traditional hospital file management model can no longer meet the needs of current social development, and hospitals need to fully combine big data technology to reform the file management work. In this regard, the hospital needs to change the work concept in a timely manner, realize the importance of archives management, continuously improve the comprehensive ability of archives management personnel, strengthen the construction of archives management informatization, formulate a sound management system, and finally give full play to the value of archives and promote the healthy and stable development of medical undertakings.

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