

# Research on Adult Medical Education Management Based on Information Technology

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**Abstract:** In recent years, although the domestic adult medical colleges and universities have some knowledge of education informatization, and have made some achievements in practice. However, apart from external factors such as regional constraints and insufficient funding, it is more due to the school itself. The lack of understanding of education informatization, the irrational system architecture, and the lack of practical application have directly restricted the healthy development of education informatization. This paper analyzes the existing problems of adult medical education management based on information technology through the necessity and management status of medical adult education, and proposes to improve the management system, improve teachers' comprehensive quality, and formulate reasonable teaching content. Effective measures to achieve informational teaching.

## 1. Introduction

With the enlargement of the scale of running a school, the information of students who need to be managed is expanding rapidly, and the difficulty of management is becoming more and more difficult[1]. By using modern information technology to manage, we can realize scientific and standardized management of the original management process, and hand over a large number of simple and repetitive data processing to the computer to complete, so as to make the work efficient, accurate and standardized, and liberate the managers from the tedious manual labor [2-3]. The development of medical adult higher education is a set of administrative mandatory management mode in the development of general higher education with the development of general higher education. This mode is characterized by obvious superior and subordinate, management and being managed. However, the managers of adult medical education are different from general higher education. They should highlight their own characteristics [4-6]. This model makes adult medical education lack of flexibility [7]. Improving the comprehensive quality of college students is the main task of adult medical education in China [8]. Therefore, in the information environment, in order to carry out quality education in adult medicine and cultivate talents with innovative spirit and all-round development, we should focus on using favorable conditions to strengthen and improve the existing classroom teaching.

## 2. Adult Medical Education Management based on Information Technology

### 2.1 The Necessity of Information-Based Adult Medical Education Management

We already know that the future of adult medical education will develop in the direction of continuous advancement. In the process of gradual evolution from reality to the future, deepening the reform of education and teaching is a must and inevitable. All the education and teaching reforms are implemented in specific and fundamental teaching activities, which is actually the reform of the talent training model. The various characteristics and requirements of adult medical education must be reflected by the talent training model. In the individualization and modernization of adult medical education, due to various reasons and the level of actual development, it is still

more in conceptual operation and design. Experience tells us that in the practice of reforming the talent training model, if we still follow the traditional thinking and apply the existing reform model, it will be difficult to surpass the existing scope of knowledge and practice, and it is even more impossible to talk about innovation and development. Only by following the new requirements for adult medical talents in the social, economic and technological development of the new century, finding the entry point of teaching reform, grasping the individualization and modernization of adult medical education and teaching, can we further promote the reform of talent training mode. The balanced development and re-elevation, and this entry point is "informatization research of adult medical education and teaching", which is to use modern information concepts, information norms and information technology to transform the old educational model, so that the current educational ideas and teaching concepts The teaching content and curriculum system, teaching resources and infrastructure, educational methods and technical means have undergone profound changes and constantly adapted to the requirements of the times.

## **2.2 The Benefits of Information Management in Adult Medical Education**

The information management of adult medical education mainly has two advantages: First, practicality. Supervision and inspection are mainly based on data, and the establishment of information management systems is also inseparable from data. The information management system can collect all the detailed data and make effective use of the collected data, so that the data can provide important reference for the project management service, and also help the superior management department to understand the situation of mastering and implementing the adult medical education work. The second is flexibility. Many medical workers are busy with work, and it is difficult to squeeze out a relatively fixed working time. Sometimes they don't even have time to study. Only by adopting online adult medical education can they solve these problems effectively. Because of the online adult medical education method and time, the number of participants and It doesn't matter where you are, you can apply a variety of different educational methods. Medical workers can combine their own time schedules in online adult medical education, make arrangements for the completion of continuing education learning content, use the network to learn relevant business knowledge, and use e-mail and other different methods to ask questions to get targeted counseling by teachers. Limited by time and space conditions, the two-way barrier-free communication between the education target and the teacher can be realized, thereby effectively improving the quality and efficiency of continuing education.

## **2.3 The Status Quo of Information Management of Adult Medical Education**

Adult medical education management lacks clear goals. Many schools are affected by the market economy and blindly pursue the maximization of benefits. The goal is to continuously expand the scale of the school in order to obtain greater benefits. There is no understanding of informatization, no practice or inconsistency in the main contradictions in practice, and the system architecture of informatization construction is unreasonable, resulting in some problems. Lack of quality monitoring methods and lack of proper construction evaluation standards. This is a universal issue. Up to now, there are few comprehensive evaluations of school informationization in domestic universities, and many of them have put forward some forward-looking goals or requirements in the informationization planning. The indicators are relatively coarse, comprehensive and inoperable. The state's research on the evaluation of education informatization is also in the early stage of exploration. Although there have been evaluations and announcements of the level of national and social informatization, there are not enough implementations in the education system, even if there are related activities, they can work. The focus is on basic education, and some regional basic education informatization evaluation standards have emerged. The lack of strength in application, the advantages of the established information resources have not been able to transform into regular teaching.

### **3. Problems in the Management of Adult Medical Education**

#### **3.1 The Teaching System Needs to be Improved**

Building a scientific and rational management system is one of the focuses of adult education. Keep abreast of the dynamics of national adult education and the actual situation of running a school. Construct an adult education system with characteristics of the times, highlighting science and advanced nature, and formulate an adult-oriented management system to fundamentally improve the democratization of adult education management. Legalization and scientific level. Although the government departments of our country attach great importance to the development of medical undertakings, most of the adult medical education institutions are jointly run by the education administrative departments and universities, and the school-running form is single and the funds are tight, which cannot fully highlight the characteristics of adult medical education. Some enterprises have strong funds, but their enthusiasm for participating in running a school is not high. The government alone cannot achieve the level of progress with other education. In addition, it is more serious that for a long time, after a period of development, it has not formed its own unique teaching mode. It is a simple application of the teaching model of ordinary higher education in adult higher education. There is no reasonable improvement in the teaching plan, curriculum, use of teaching materials, teaching content and methods, and it is out of touch with the actual needs of doctors, so that the enthusiasm of the students is affected. The effect is not obvious.

#### **3.2 The Teaching Objectives are not Clear**

Adult medical education management lacks clear goals. Many schools are affected by the market economy. The goal of blindly pursuing profit maximization is to continuously expand the scale of the school in order to obtain greater benefits. This one-sided school-running philosophy influences the professional setting, curriculum structure, and management mechanism of adult medical education, which makes the development of adult medical education lose its characteristics. The goal of adult medical education is to consider the needs of the market and to continuously adjust the professional according to the needs of the market. However, as an important part of the education system, it is to train talents for the society, so it should also consider the individual growth of students. Consider the overall development of students. Promote the informatization of education, and use modern information technology such as computer network technology to promote education and teaching in colleges and universities. Its role is mainly reflected in two aspects. On the one hand, it provides technical support for education and teaching reform, and uses information technology to improve various shortcomings in current education and teaching; on the other hand, it promotes the transformation of the teaching and learning concepts, basic qualities and behaviors of both educators and educated people. Establish a new education and teaching model. In a way, the latter is more meaningful than the former.

#### **3.3 Teacher and Student Information Literacy is not High**

The success of the reform of education and teaching information depends on the recognition and participation of teachers and students, and finally it is implemented in the actual activities of teachers' "teaching" and students' "learning". Therefore, improving the information literacy of both teachers and students is crucial for the informationization of college education. The purpose of information literacy education is to enhance information awareness, develop information capabilities, and improve the consciousness of following the ethics of information ethics, and provide talent and intellectual support for promoting the informationization of college education. According to the different educational and training objects, information literacy education is generally divided into two parts: teacher information literacy education and student information literacy education. The two parts are different in level and the content is different. The content of teacher information literacy education focuses on modern educational technology, while the content of student information literacy education is all kinds of information technology courses listed in the teaching plan. In the process of promoting education informatization in colleges and universities,

strengthening teacher literacy education has a fundamental and overall impact on university education informationization projects, and the focus of information literacy education must be placed on teachers. In adult medical education, classroom teaching is still the main channel and position for implementing quality education. The direct contact of teachers in the life to play the teacher's role as a teacher is still an indispensable and effective form to strengthen quality education. However, through the teacher's words and deeds to influence and guide, to strengthen the implicit curriculum education, to cultivate students' humanistic spirit and moral quality, these can not be implemented in the complete networked teaching.

#### 4. Strategies for Optimizing the Management of Adult Medical Education Based on Information Technology

According to the survey, the proportion of students under 30 years old is 64%, and the proportion of boys and girls is about 4:6. From this result, we can see that the age structure of adult medical students has a relatively large younger trend compared with previous years, and the proportion of female students has increased, As shown in Table 1.

Table 1 Basic information on adult education

Generation	Proportion	Boy	Girl
26-30	68%	41%	59%
31-35	32%	27%	73%
Total (100%)	100%	100%	

According to the survey As shown in Figure 1, 70% of the students choose never or seldom to communicate with their classmates. The result of this phenomenon is that there is little discussion or interaction between the classmates about the learning situation, which is not conducive to the mutual help among the classmates and affects the learning effect.

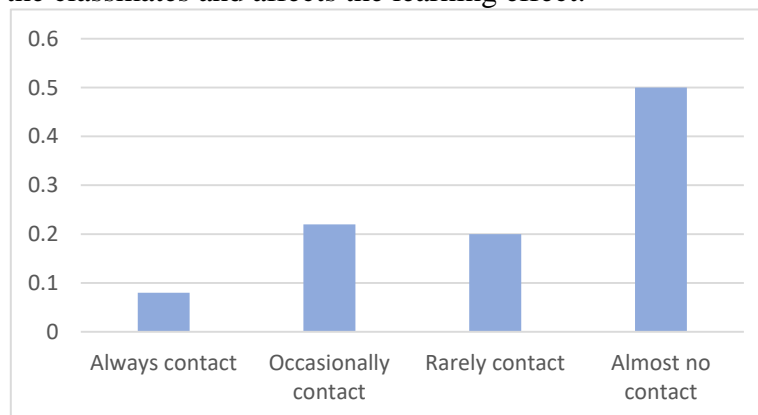


Figure 1. Communication between students

##### 4.1 Teachers should Improve Their Literacy and Create a Good Learning Atmosphere for Students.

With the development of society, the traditional teacher-centered and classroom-centered teaching methods can no longer meet the needs of the development of adult higher education. The modern student-centered teaching mode is the requirement of the development of the new era. The change of teaching mode requires the change of educational concept. The change of educational concept can not be realized overnight. It is a long way to go to realize the process. Schools must adhere to the people-oriented concept of running schools, enhance service awareness, provide more space for students to learn and communicate with each other, help students to obtain more learning and teaching resources, fully respect their values, dignity, status and personality, and provide better learning opportunities for more members of society who want to go to university but can not leave

their posts, with them as the center. Specify the required services. Teachers should combine the curriculum objectives and teaching difficulties of adult medical education to carry out in-depth resource processing to ensure that the efficiency of resource operation is in line with the progress of the curriculum. Teachers should actively explore the subjective initiative of students, form a benign resource operation model, and also focus on the relevant information structure and operational mechanism, comprehensive management and control, and effectively maintain the comprehensiveness and effectiveness of medical adult education and teaching resources.

#### **4.2 Update of Teaching Resources, Establish an Updated Resource Library**

Under the condition of distance education, a necessary prerequisite for the distance learner to successfully carry out individualized independent learning is to be able to obtain the learning resources provided by the distance education institution and carrying the course content in time. Therefore, the construction of learning resources is the core of distance education construction, and is generally jointly developed by teachers of related disciplines. The teaching resource carrier has various forms, including audio-visual teaching materials, courseware and online courses. The audio-visual teaching materials include video teaching materials and audio teaching materials, and the courseware includes courseware and courseware. Starting from the actual situation, determine your own application needs and staging goals, identify and implement an information-based construction plan with its own characteristics. Through online teaching, across the limitations of time and space, the school's high-quality teaching resources will be transmitted to all teaching points for all students to share, to ensure and improve the quality of teaching to the utmost. Informatization education resources refer to all digital learning resources that students and teachers can obtain in the teaching process under the support of the campus information technology environment. Doing a good job in these aspects has laid a good foundation for the further development of education informatization and the future exploration of informatization teaching, development of distance education and other social service functions.

#### **4.3 Combine the Needs of Students and Adjust Curriculum Development**

At present, the curriculum of adult medical education is formulated with reference to the curriculum of medical majors in ordinary colleges and universities. However, adult medical education is mainly composed of self-characterized adult medical education, which can be used to cultivate students' amateur ability and practice. The proportion of basic theory courses in the system is too high to meet the functions of solving students' practical difficulties and guiding practice. At the same time, the theoretical courses teach a wide range of content, and the content is not easy to stimulate students' interest in learning. Therefore, adult medical education must Combining the characteristics of self-development, the system considers the characteristics of the students, formulates a competency-centered curriculum system, starts from practice, updates the teaching content, increases its technical and practicality, makes full use of modern information resources and equipment, and utilizes students' practical experience. Promote teaching and cultivate students' creativity.

### **5. Conclusion**

The status quo of traditional student status, the change of teacher role, the transformation of teaching process, the time of learning and the extreme expansion of space caused by the network environment have a clear understanding, combined with many favorable factors, combined with the actual situation of medical education, reforming the teaching mode, for the cultivation of new medicine Talent makes new attempts. The medical adult education informatization reform has very important theoretical value and teaching guiding significance. It requires the relevant management personnel to attach great importance to it, and through the teaching function module and learning tasks to carry out centralized processing and comprehensive examination and improve the effectiveness of curriculum management.

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