

TRANSITION TO DIGITAL MEDICINE AND THE ROLE OF THE STATE IN FINANCING

Alimova Sabohat Gazievna

Ph.D., Associate Professor, Department of Social Sciences

Tashkent State Medical University

saboxat.alimova@mail.ru

Abstract:

This thesis discusses the transition of medical services to digital medicine in a self-financing structure, taking into account the influence of the state budget.

Keywords: financing, state budget, compulsory insurance, infrastructure, procurement and logistics system, digital medicine, innovation, artificial intelligence in medicine.

Why is government participation in healthcare financing important? Because government funding ensures the availability of basic medicine and the protection of vulnerable groups. The role of the state is to balance market failures, set standards, and fund public health and prevention.

The structure of the financing system in Uzbekistan consists of the State budget, which is divided into republican and local budgets. In addition, funding is allocated from the state budget for Compulsory Health Insurance (CHI), voluntary insurance and private payments, so there is funding for the healthcare of the Republic of Uzbekistan through the provision of international assistance, as well as the introduction of domestic and international grants.

The main sources of funding in Uzbekistan are the Republican budget: large programs and infrastructure, Local budgets: clinics, district hospitals, payments from the population (for services, medicines), insurance mechanisms, international donors.

The role of the state budget and mechanisms for allocating funds is planning according to standards developed by higher organizations, budget subsidies and transfers for primary care and patients, salaries, infrastructure, drug purchases, as well as control and audit of financial expenses in the health care system.

The current healthcare system faces increasing pressure. Medical costs are increasing faster than GDP, requiring innovative solutions to ensure accessibility and quality of medical care for all segments of the population. Health care costs have been rising steadily, reflecting an aging population, the spread of chronic diseases, and the introduction of expensive medical technologies. The trend calls for a rethinking of financing models.

Technological and organizational innovations help reduce costs while maintaining the quality of medical care:

Artificial intelligence in diagnostics is AI systems that speed up diagnosis and reduce the number of costly errors, increasing the efficiency of treatment.

Telemedicine and remote consultations mean reducing infrastructure costs and increasing the availability of medical care in remote regions.

Big data analytics – allow you to predict disease outbreaks and optimize the allocation of healthcare resources.

The future of healthcare can be viewed in several ways: personalized medicine, where genetic profiling and individualized treatment plans improve outcomes while optimizing costs; systems integration is the interaction of all parts of healthcare through digital platforms that improves the coordination of care; results orientation – this is the transition from fee-for-service to payment for results of treatment stimulates efficiency and quality; Global collaboration means sharing best practices between countries accelerates innovation and optimizes healthcare costs.

To create sustainable and affordable healthcare in the republic, it is necessary to introduce a set of measures: investments in prevention, introduction of innovations, optimization of financing models and public responsibility. Only through balanced decisions will we be able to provide high-quality and affordable medical care for everyone.

Of course, a strategically important decision should be investment in prevention and a healthy lifestyle, the use of digital solutions and AI for the efficiency of the healthcare sector, and ensuring fair access to medical services to all segments of society.

Sources used:

1. Привлечение инвестиций и усиление их влияния при наращивании инновационного потенциала в образование./ Алимова С.Г. и др. Western European Journal of Linguistics and Education Volume 3, Issue 10, October 2025 <https://westerneuropeanstudies.com/index.php/2> ISSN (E): 2942-190X pp.11-15
2. The problems of environment and green economy./ Alimova S.G. i dr. Western European Journal of Linguistics and Education Volume 3, Issue 4, April 2025 <https://westerneuropeanstudies.com/index.php/2> ISSN (E): 2942-190X pp.46-49
3. Sog‘lijni saqlash tizimida axborot-kommunikatsiya texnologiyalarining roli va boshqaruv samaradorligini oshirish yo‘llari./ Alimova S.G. i dr. /“Innovations in Science and Technologies” илмий-электрон журнали ISSN: 3030-3451. 2 / 2025 йил. www.innoist.uz. DOI: 10.5281/zenodo.15318939 Link: <https://zenodo.org/records/15318939> 200-205 бетлар.
4. The role of information and communication technologies in the healthcare system and ways to improve management efficiency/ Alimova S.G. i dr. / International Scientific-Electronic Journal “Pioneering Studies and Theories” ISSN: 3060-5105. Volume 1. Issue 4. 2025. pp.105-109

5. Алимова С.Г. и др. Цифровая экономика: требования к развитию технологической цифровой среды. Философские чтения. XIII.4 (2021) 3152-3156 стр.