

Chapter 13

Providing the Population With Medical Services in the Context of Emotional Intelligence: Evidence of Russian Regions

Iuliia Pinkovetskaia

 <https://orcid.org/0000-0002-8224-9031>

Ulyanovsk State University, Russia

ABSTRACT

The purpose of study was to evaluate the indicators characterizing the development of the healthcare system in the regions of Russia. The study used official statistical information on the activities of medical organizations located in all 82 regions of Russia for 2020. The density functions of the normal distribution were used as models. The research showed that on ten thousand people living in the region are an average of 48 doctors, 85 hospital beds, 289 patients who were served daily in organizations engaged in outpatient treatment. These indicators are higher than in many other countries, which creates prerequisites for the development of emotional intelligence in the Russian healthcare sector. In most regions the salary in the healthcare sector did not differ significantly from the average salary in the corresponding region. The proposed methodological approach and the results obtained have a scientific novelty, since the assessment of regional features of medical care in the regions of Russia has not been carried out before.

INTRODUCTION

In recent years, improving the efficiency of healthcare has become a key aspect of the development of national economies. In a number of studies, for example (Preston, 2007; Shkolnikov et al., 2019), it has been observed that there is a strong positive correlation between the health of the population of countries and their gross domestic product. Higher income is the chief criteria in countries with better health than in countries with lower health status. The state of health is an important characteristic of human potential, therefore, the improvement of the health system plays an important role in public policy (Milcent, 2016;

DOI: 10.4018/978-1-6684-5673-6.ch013

Durrani, 2016; Al-Hanawi et al., 2019; Britto et al., 2018). The healthcare system of modern countries is aimed at ensuring an optimal return on the resources spent, as well as preserving the health of the population. The problem of healthcare efficiency is especially relevant today in the context of the COVID-19 pandemic (Haldane et al., 2021; Chubarova, 2021; Karan & Wadhera, 2021). The COVID-19 pandemic affected most countries and demanded an increase in the role of healthcare as a system that ensures the security and survival of the nation, as well as the internal stability of modern economies.

Russia currently has the Healthcare Development Strategy for the period up to 2025 (2022), which includes an assessment of the current state, challenges and threats to the development of the healthcare system, defines the goal, main tasks, priority areas, mechanisms for implementing the development of healthcare (Reddy et al., 2020; Chowdhary & Acharjya, 2020;). In addition, the activities included in the National Project "Healthcare" are carried out in parallel (On national goals and strategic objectives, 2022), aimed at improving the availability of medical care, improving its quality and comfort. Among other things, it is planned to create an optimal network of medical organizations in cities and villages, including in hard-to-reach territories of Russia. It is important for the Government and regional authorities to understand the processes taking place in the field of medical care. Without which it is impossible to effectively manage the health sector and achieve the goals set.

Contemporary researchers have been attracted by the importance of regional characteristics of the activities of medical organizations (Karani, 2014; Lacouz & Midler, 2021; Sokanto & Bruise, 2021). Our research contributes to the study of these problems using the example of the Russian regions.

Some of the modern scientific studies draw attention to the fact that the quality of medical services and patient satisfaction largely depends on the emotional intelligence of healthcare workers. Articles by the following authors have been devoted to this problem (Kadadi & Shankargouda, 2020; Kaya et al., 2018). Doctors and nurses show increased sensitivity to the needs and emotions of the patient (Weng et al., 2008). This improves medical care and patient care, as well as solves their psychological problems in critical situations (Borges et al., 2019). It should be noted that emotional intelligence is conditioned by direct contacts between medical workers and patients (Durkin et al., 2019).

The purpose of our study was to evaluate the indicators characterizing the development of the healthcare system in the regions of Russia. It should be noted that the increase in the volume of medical care to the population creates prerequisites for the development of such an urgent phenomenon as emotional intelligence. The paper is aimed at obtaining a certain empirical and methodological contribution to understanding the peculiarities of the development of the healthcare system in Russia. This contribution consists in the fact that the author's method of modeling the evaluation of indicators characterizing the availability of inpatient and outpatient treatment, the availability of qualified medical personnel and the level of remuneration of doctors and nurses in all regions of Russia is proposed. The empirical contribution is related to the determination of averages and standard deviations by regions of the corresponding indicators. In addition, regions with maximum and minimum values of these indicators were identified.

The structure of this work is as follows. The second section provides an overview of recent scientific publications on the problem of healthcare development in Russia. The methodology, initial data and design of the study are described in the third section. The fourth section presents the results of the development of mathematical models and evaluation of their quality. The fifth section discusses the results of the study and verification of the formulated hypotheses. The sixth section describes the contribution analysis of the study. The seventh section offers conclusion. The eighth section shows future studies. Then bibliographic references are provided.

15 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage:
www.igi-global.com/chapter/providing-the-population-with-medical-services-in-the-context-of-emotional-intelligence/313352

Related Content

Fuzzy Systems Modeling: An Introduction

Young Hoon Joo and Guanrong Chen (2009). *Encyclopedia of Artificial Intelligence* (pp. 734-743).
www.irma-international.org/chapter/fuzzy-systems-modeling/10326

Bane and Boon of Hallucinations in the Context of Generative AI

S M Nazmuz Sakib (2024). *Cases on AI Ethics in Business* (pp. 276-299).
www.irma-international.org/chapter/bane-and-boon-of-hallucinations-in-the-context-of-generative-ai/347539

MAGDM Problems with Correlation Coefficient of Triangular Fuzzy IFS

John P. Robinson and Henry Amirtharaj E.C. (2015). *International Journal of Fuzzy System Applications* (pp. 1-32).
www.irma-international.org/article/magdm-problems-with-correlation-coefficient-of-triangular-fuzzy-ifs/126196

Smart ATM With Tracking of Criminals Using Novel Di-Pattern and C-LDP (Combined Local Directional Pattern)

Jeyabharathi Duraipandy, Sherly Alphonse A., Sasireka D. and Kesavaraja D. (2023). *Handbook of Research on AI and Machine Learning Applications in Customer Support and Analytics* (pp. 183-200).
www.irma-international.org/chapter/smart-atm-with-tracking-of-criminals-using-novel-di-pattern-and-c-ldp-combined-local-directional-pattern/323120

Conclusions, Implications, and Viewpoints: Creating a Point of View for Solving a Problem

(2022). *Socrates Digital™ for Learning and Problem Solving* (pp. 159-196).
www.irma-international.org/chapter/conclusions-implications-and-viewpoints/290568