



MINISTRY OF HEALTH OF THE

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REVIEW

On the Corona STOP application <https://www.coronastop24.com/>

The Corona STOP application is an electronic system for analyzing the patient's medical history data in order to identify the characteristic symptoms of the disease and the presence of concomitant diseases in the patient, most often leading to complications. Based on the collected data, the system gives out the risk of developing the disease and its complications. The system allows you to automatically compare the patient's condition with existing clinical recommendations, giving recommendations on treatment tactics and the need for emergency medical care.

All algorithms for the analysis of characteristic symptoms, factors predisposing to the development of complications, do not contradict the Temporary guidelines for the Prevention, diagnosis and treatment of new coronavirus infection (COVID-19) Version 5 (02.04.2020) of the Ministry of Health of the Russian Federation; recommendations published on the WHO website

<https://www.who.int/ru/emereencies/diseases/novel-coronavirus-2019/advice-for-Dublic> and Rospotrebnadzor [https://rospotrebnadzor.ru/reeion/korono\\_virus/koron\\_pnk.php?clear\\_cache=Y](https://rospotrebnadzor.ru/reeion/korono_virus/koron_pnk.php?clear_cache=Y)

In the context of the Covid 19 pandemic, the burden on primary care physicians increases sharply, which leads to an increase in errors under the influence of the human factor. Such information systems can be of great help in increasing the reliability of primary diagnostics and assessing the risks of complications.

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## **Review on the electronic service CoronaSTOP of the company JSC "Socmedica"**

At the current time it is known that a large number of people are infected with COVID-19 coronavirus infection, including in Russia. Moreover, the infection can occur both asymptotically and in severe form, requiring hospitalization of a significant number of patients with severe pulmonary complications with the development of respiratory failure. For these reasons, it is important to comply with all quarantine measures in order to prevent the spread of infection, as well as timely detection of all patients with their subsequent isolation and the appointment of complex treatment.

One of the effective methods of combating the spread of infection should be the use of information technology, which due to mass use can significantly alleviate the situation with quick preliminary screening, reducing the number of phobic disorders among the population and reduce the burden on primary health care workers.

The CoronaSTOP electronic service of the company JSC "Socmedica"- a resident of the Skolkovo innovation center - is one of such information products.

This system allows for automated monitoring of the main symptoms of COVID-19 and respiratory distress syndrome, provides a history of the disease, estimates the likelihood of the presence and development of severe forms of COVID-19, and provides individual recommendations.

As an expert and the Chief infectious diseases specialist at the FMBA of Russia, I confirm that the CoronaSTOP software product is compliant in its content with the regulatory documents of the RF Ministry of Health and the Federal Service for the Supervision of Consumer Rights Protection and Human Welfare, which regulate activities in the fight against coronavirus infection. The diagnostic system is based on official data published in the Clinical Recommendations of the RF Ministry of Health. All recommendations received when using the program comply with the rules for the prevention of coronavirus infection.

CoronaSTOP electronic service can be recommended for wide distribution in the Russian Federation as an effective means of combating coronavirus infection.

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### **Review from the National Association of Honored Doctors on the system CoronaSTOP**

The aggravation of the situation with the spread of coronavirus infection in Russia has significantly increased the burden on the health care system, especially on primary link of medical workers. In this regard, the operational implementation of systems is required to reduce this load during various activities in the fight against coronavirus infection. The electronic system CoronaSTOP of JSC Socmedica, a resident of the Skolkovo innovation center, is focused on solving a set of tasks that facilitate the work of medical personnel during the coronavirus pandemic. The system allows for automated verification of the characteristic symptoms of COVID-19 and SARS, provides an automated collection of the patient's history, reveals through the questionnaire the level of the patient's preventive measures, calculates the probability of the presence or development of COVID-19 and SARS in the patient by machine analysis, choosing the appropriate recommendations based on identified risks.

The system was created on the basis of a number of specialized documents: temporary methodological recommendations. Prevention, diagnosis and treatment of new coronavirus infection (COVID-19) Version 4 (03/27/2020) of the Ministry of Health of the Russian Federation; WHO recommendations for the general public regarding the spread of coronavirus infection (COVID-19); rules for the prevention of coronavirus infection from Rospotrebnadzor of the Russian Federation; Coronavirus - symptoms, signs, general information, answers to questions - Ministry of Health of Russia, etc.

Experts of the National Association of Honored Doctors, having familiarized themselves with the work and contents of the CoronaSTOP system of Socmedica JSC, confirm that the questions in the questionnaire part of the systems do not contradict and almost completely duplicate the symptoms and signs published by the Russian Ministry of Health; the content contained in this software product does not contradict WHO recommendations; recommendations issued by the system based on testing results do not contradict the Coronavirus infection prevention rules.

CoronaSTOP electronic service can be recommended for use on the territory of the Russian Federation as an additional tool for disease prevention and early diagnosis of the presence / absence of coronavirus infection in citizens, remotely providing all the necessary information of a recommendation plan to people on self-isolation.

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company's stamp