(Hedsenger



remote counseling with your doctor

Specialized medical messenger for remote monitoring of a patient by the attending physician and its extension using artificial intelligence







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Platform capabilities

By connecting to this cloud platform, very soon a medical organization will be able to offer new paid services to customers. Separately, or as a part of existing products.



Consultation with the attending physician

The patient asks a question, whenever he has it, on the website or in the mobile application, and the doctor answers at a convenient time. It can be used at any distance, on any device with the Internet and on-the-job. Video communication at the initiative of a doctor, adding an emergency telephone number and medical history are possible.



Remote monitoring

Physiological measurement results inquiry, informing and reminders about taking medications. It is possible to evaluate the effectiveness of treatment remotely based on the graphs automatically generated in the platform, which is especially important during a pandemic and self-isolation.



Patient care

Automatic informing patients with different diagnoses about their condition. Development of monitoring scenarios for each specific patient. Connecting relatives and social workers, sending questionnaires, with minimal workload on the doctor.

Key Features

Ready-made Telemedicine Solution

Patient counseling is carried out in full compliance with the legislation: by the attending physician after full-time reception of the patient; personal data is protected in a secure loop of ROSTELECOM, and all messages are logged (Federal Law No. 323-FZ Article 36.2, paragraphs 3-4).

Full control over the process is made by the attending physician.

We do not have access to patients' data, the medical institution prescribes the cost of the consultation independently, without informing us about it.

We only charge a fixed cost for one day of patient consultation or we charge a license fee for connecting one doctor, regardless of the number of his patients.





Benefits of Using the Platform



Attracting the new customers and retaining the old ones

Adding of a new remote consultation and patient monitoring service between face-to-face visits is a great competitive advantage



Increasing customer loyalty

"Guaranteed support for the visit" and care from the medical institution are a good reason to return to this particular organization, when the need in it arises.



Additional income for a medical facility and doctors without unnecessary workload

Remote consulting allows to increase the average bill without overloading and the need to change the doctor's schedule



Why is it better than WhatsApp or other messengers?

- Consulting patients through ordinary messengers is not provided for in the current legislation: they do not have the ability to authenticate through the ESIA, and data can be stored abroad.
- In Medsenger the doctor does not tell the patient his contacts, and the counseling channel closes automatically after the expiration (or early termination) of the contract.
- Appeals from patients are isolated and not confused in the total mass of personal and service messages, the platform reliably notifies of the patient's appeal and regulates the doctor's response time; the doctor is obliged to answer during this period at a convenient time.
- The counseling service is officially paid, so the doctor receives legal compensation, and the institution receives income.

Who can we offer the platform to?

According to a survey organized by the Union of Medical Organizations, remote consulting by an attending physician after an in-person visit is the most demanded telemedicine service. More than 36% of patients are ready to use and pay for such services from medical organizations.



For patients after surgery

The platform allows to stay in touch with the doctor who took care of the patient in the hospital for the entire period of home follow-up and rehabilitation. This is especially important for parents - when discharging their children from children's hospitals!



For chronic patients (oncology, diabetes, etc.)

Communication with the attending physician in the intervals between face-to-face visits. Possibility of remote monitoring and correction of treatment based on it.



For pregnant

Communication of the gynecologist with his patient between visits. Informing about the pregnancy process by trimester, reminders of the necessary tests and planned appointments.

Also...



For parents of little children

The platform allows you to always stay in touch with your pediatrician, receive vaccination reminders, information messages and use the self-diagnosis questionnaire prescribed by the doctor.

For relatives of patients, who are in the hospital

With the consent of the patient, the service can be offered for prompt remote interaction with the attending physician, including answers to questions about the patient's condition.



For children of elderly parents

Providing communication with the attending physician for relatives, social workers and nursing staff in boarding houses, sanatoriums or at home.

The platform allows you to customize scenarios for monitoring and managing patients for specific tasks. The doctor can connect the script with one button, and, if necessary, adjust individual parameters. Scenarios can be both standard and collected for a specific medical institution or doctor. The attending physician during the appointment offers remote consultation to the patient.

The patient signs an informed consent and a contract at the front desk, and then receives a link to activate the account by email.

The patient asks questions (text / files / voice) as they arise through the website or mobile application, and the doctor answers when he has the opportunity (but within a specified period, for example, a day).

Both the patient and the doctor can use the website or mobile application, and after the consultation is completed, the patient will not have any contacts of the doctor. Patient reviews are displayed in the clinic's administrator interface.

The patient feels cared for, the risk of selfmedication (Dr. Yandex) and decompensation between face-to-face visits is eliminated.

How does the platform work?



Remote Monitoring Capabilities

Scenarios using Intelligent Agents (IA)

Анкета диагностики симптомов COVID-19

Мой пульс в покое ниже 60 или выше 90 ударов 🥪. Мое артериальное давление ниже 100/70 или выше

Сильная боль в мышцах, не связанная с физической

🗠ания и отдышка 🐋.

Желто-зеленые выделения из носа с примесью

🗍 У меня температура выше 38 👐.

У меня кашель и мокрота с кровью 9.

крови 😏

нагрузкой 🦦

Сильная слабость 😵

Тяжесть или боль в груди 😡 Резкое нарастание



Measurements and medicines

The platform allows to set up reminders about the need to take a measurement or take a medicine and keep a diary of their results and facts of taking. Visualization of the results is available to the doctor and the patient in the form of graphs.



The ability to periodically automatically send a questionnaire to patients about the symptoms of respiratory diseases. When symptoms occur, an automatic notification is given to the doctor.

Cardiology

Какое у вас давление?

Пульс:

Комментарии:

Отправить

Давление систолическое, диастолическое:

A set of questionnaires for heart failure, angina pectoris, hypertension and arrhythmia. Dynamic monitoring of parameters and notification to the doctor in case of a change in the situation.

Geography of Using the Medsenger Platform with the connection of various Intelligent Agents (IA)

Cities with hospitals using Medsenger

Moscow Orenburg Kazan Tomsk Samara Reurov Ryazan Saratov Noyabrsk Obninsk Saint Petersburg Magnitogorsk Naberezhnye Chelny Khabarovsk Ivanovo Yekaterinburg Krasnoyarsk Petrozavodsk Nizhnevartovsk Kaliningrad





Since 2021, an agreement with ANO Medical Center XXI Century for the widespread implementation of the Medsenger cloud platform in the network of medical centers in St. **Petersburg and the Russian** Federation with the participation of 200 doctors has been in force. As part of the implementation, 35 new specialized monitoring scenarios and IA ensuring their implementation will be developed and included in the system.

Using Medsenger with Home Monitoring Devices













Medsenger.Cardio



Мониторинг медицинских измерений и приема препаратов: Не забудьте померить давление сегодня.



Это автоматическое сообщение.

Remote Monitoring Scenarios Cardiology

- **Ready-made monitoring scenarios** for heart failure, angina pectoris, arrhythmia and hypertension, which can relate to one button, or their own detailed configuration.
- **Monitoring** of any physiological parameters, in particular: pressure, pulse, weight, waist and lower leg circumference. Data is entered manually or through integration with IoT devices (for example, with the Hemodyne AKSMA tonometer or the BIOSS Heart ECG monitor).
- Automatic notifications for the doctor and patient when parameters go beyond the specified safe range and reminders to take a measurement.
- **Detailed graphs** of parameters and visualization of drug intake in one graph.
- **Distribution of questionnaires** about the state of health and symptoms of the disease.

10:01

Remote Monitoring Scenarios Pregnancy

Medsenger.Prenatal

- Automatic sending of the necessary medical information about pregnancy and childbirth to a pregnant woman, depending on the current week of pregnancy.
- Calendar of medical events and analyzes with reminders and fixation of performance.
- Monitoring the compatibility of drugs with pregnancy, even if they are just mentioned
- in the chat.
- Distribution of health questionnaires.
- Ability to monitor physiological parameters
- and visualize them on a graph.
- Possibility of managing pregnancy with complications, such as glucose monitoring
- in diabetes mellitus.



Remote Monitoring Scenarios

- **Possibility of connecting relatives and social workers** to a consultation channel with one or more doctors.
- **Monitoring** of any physiological parameters, data is entered manually by the social worker, patient, relative, or through integration with IoT devices (for example, a Hemodin AKSMA tonometer or an ECG monitor BIOSS Heart).
- Medication Reminders and Recordings.
- Automatic notifications for the doctor and relatives about the parameters exceeding the specified safe range and reminders of the need to take a measurement.
- **Detailed graphs** of parameters and visualization of drug intake in one graph.
- Free calendar of medical events.
- Pressure ulcer monitoring for bedridden patients.

Care for the elderly, disabled and patients with temporary disabilities

Medsenger.Care



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Try the platform in action!

Start your acquaintance with our platform with a free test account. A test account is almost no different from a working one; within a month you can maintain up to three contracts for free, which is quite enough for a detailed acquaintance with the platform. You can find the detailed guidance on using the platform for the administrator of a medical organization on our reference portal - <u>https://medsenger.ru/about</u>.

Using of the Medsenger.AI platform by third-party developers





The Medsenger.AI platform can be used by third-party developers to create special intelligent agents that solve specific medical problems, providing remote monitoring, control, consultation and patient management. At the same time, developers only need to implement an intelligent algorithm that solves a medical problem, and all communication, organizational and technical aspects of interaction with patients, doctors and medical organizations are provided by the Medsenger.Al platform.



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