

Digital diagnostic complex

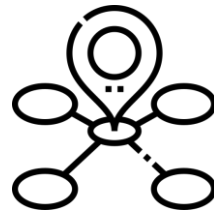
An innovative approach in the field of mobile medical examination and provision of mobile medical care



Integration



Mobility



Availability



Mentoring



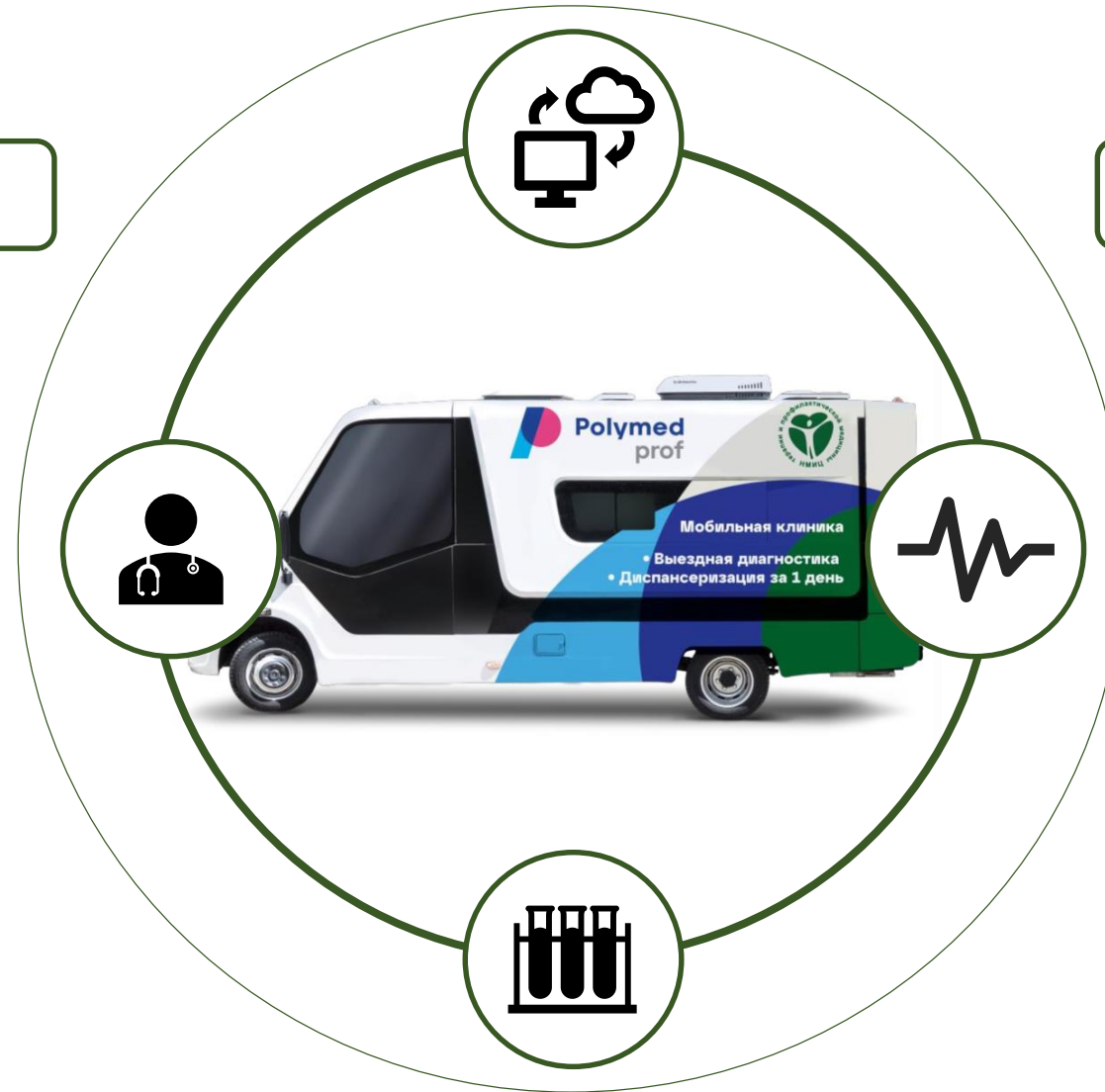
Integrated Technologies

Types of examinations

Preventive and medical examinations

Wide range of medical services:

- laboratory tests (based on portable devices)
- instrumental examinations (based on portable devices)
- telemedicine consultations by doctors of all categories - optional



Service delivery format

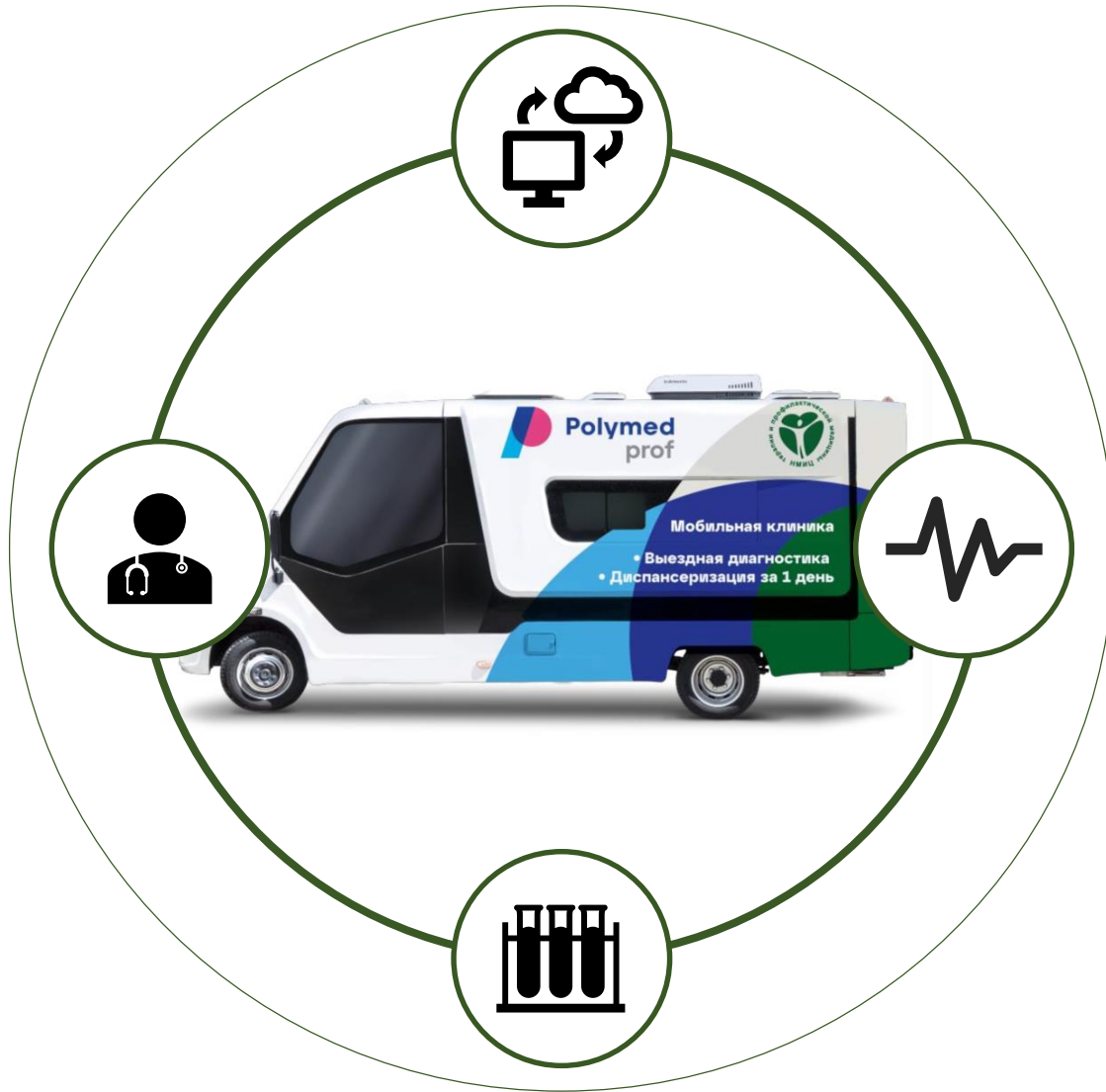
Mobile clinic

The vehicle chassis and list of equipment depends on the region of delivery

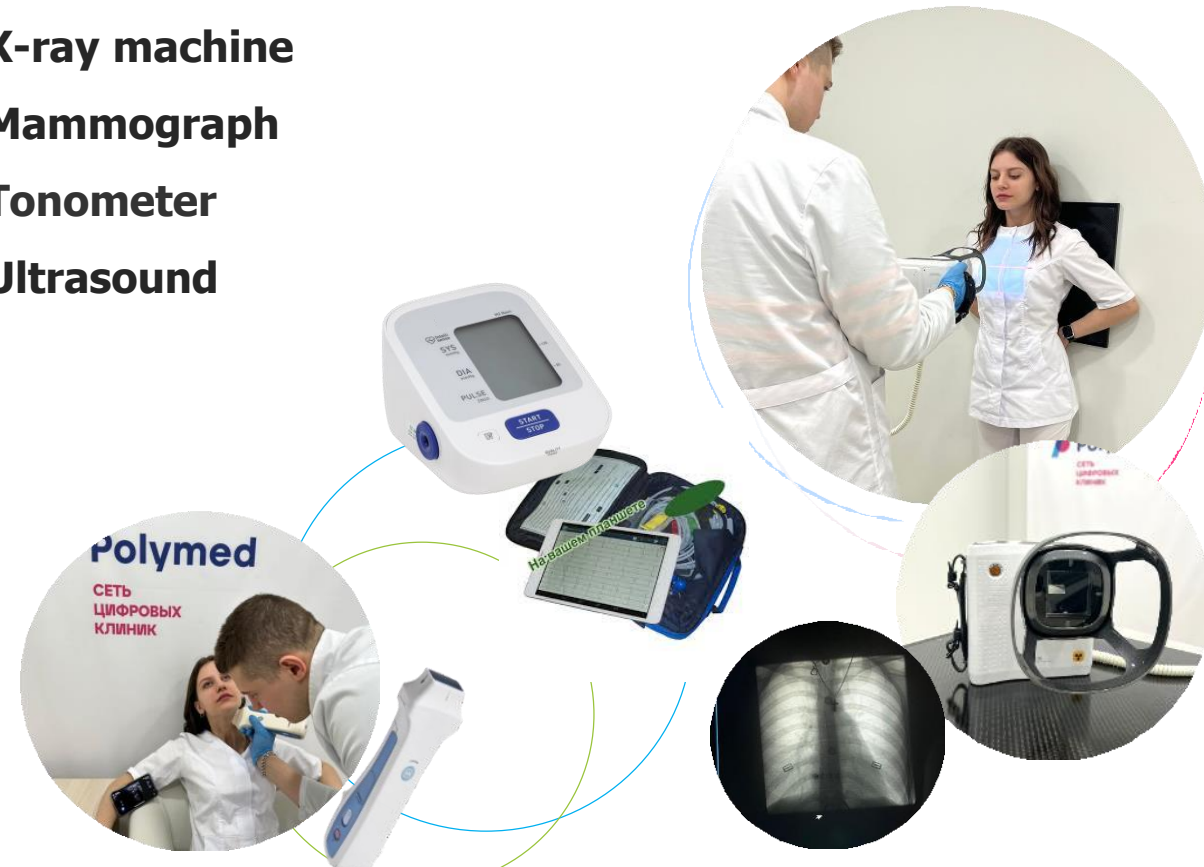
Organization of a workplace in temporary/permanent medical centers

Paramedic and obstetric stations, medical offices at enterprises, etc.

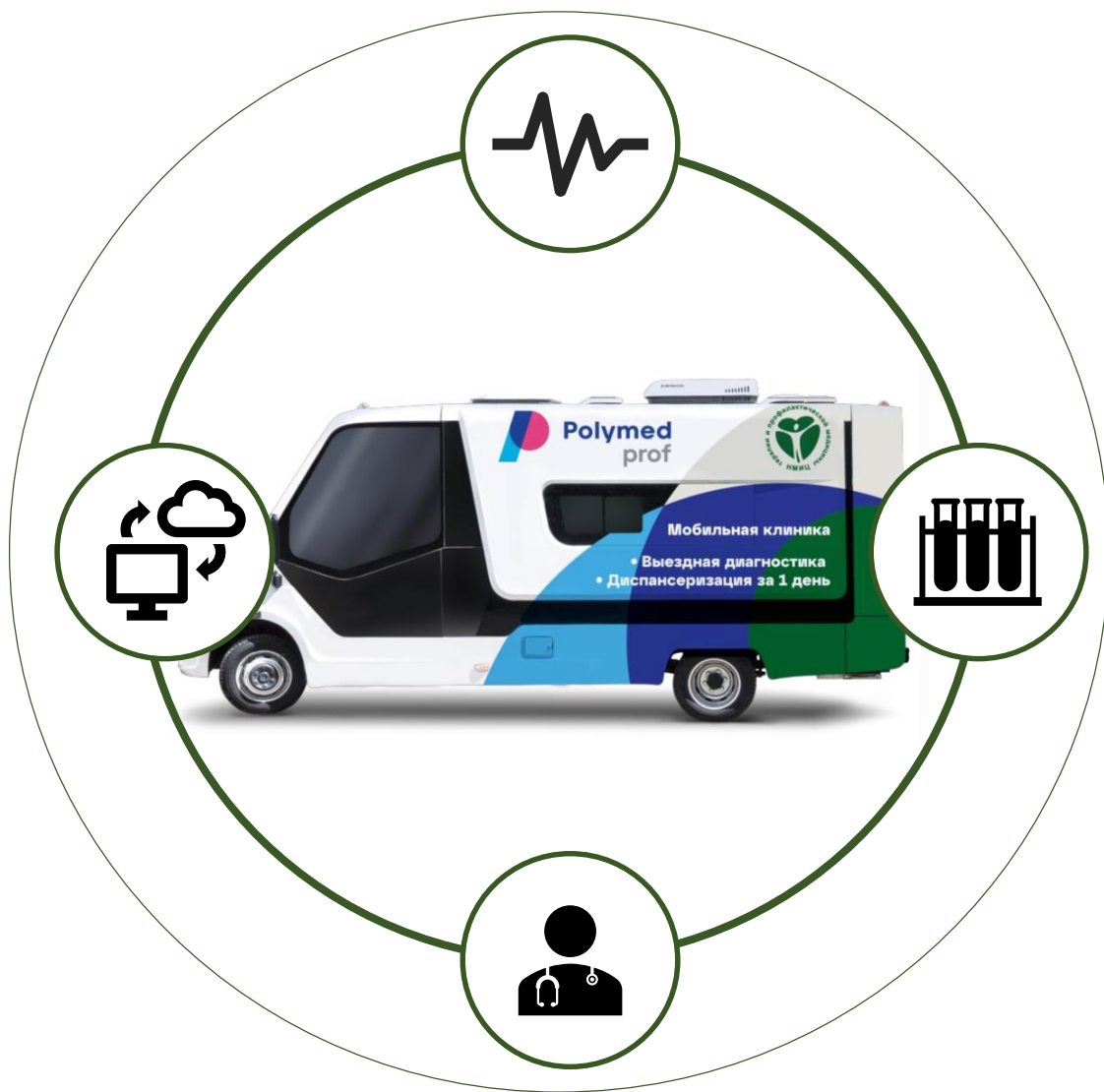
Innovative digital instrumental diagnostics



- **Intraocular pressure tonometer**
- **Digital stethoscope**
- **Electrocardiograph**
- **X-ray machine**
- **Mammograph**
- **Tonometer**
- **Ultrasound**



Portable laboratory express diagnostics



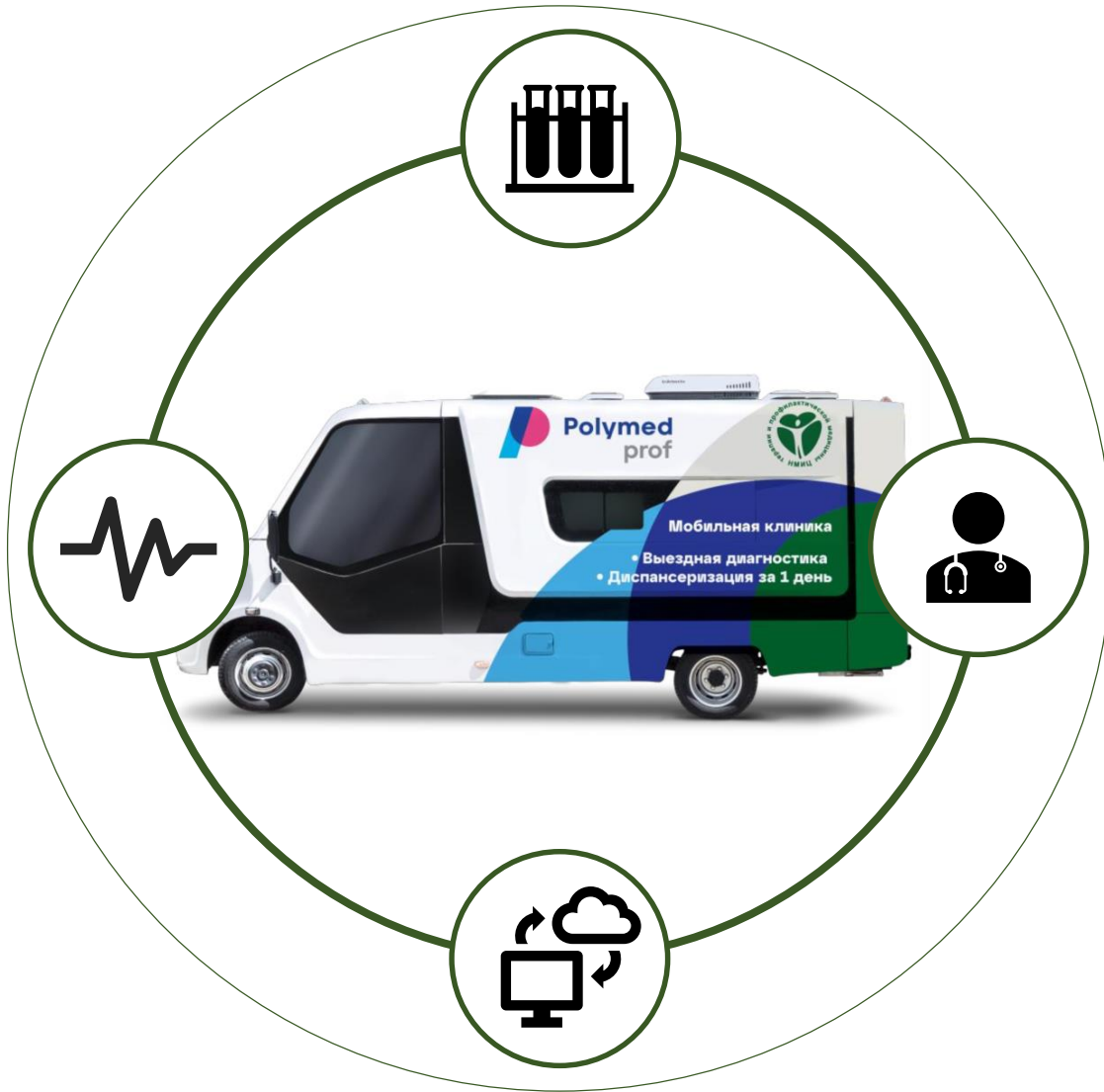
The mobile complex is equipped with a wide range of express tests

Get results **in 2 minutes**

- **Infectious and endemic diseases**
- **Cytology of cervical smear**
- **Total blood cholesterol**
- **Fecal occult blood (FOB)**
- **Blood glucose**
- **PSA in the blood**
- **HbA1c**
- **Complete blood count (CBC)**



Medical staff



All equipment is designed for use by **junior and mid-level** medical personnel.

Creation of a medical report using **artificial intelligence and telemedicine technologies.**

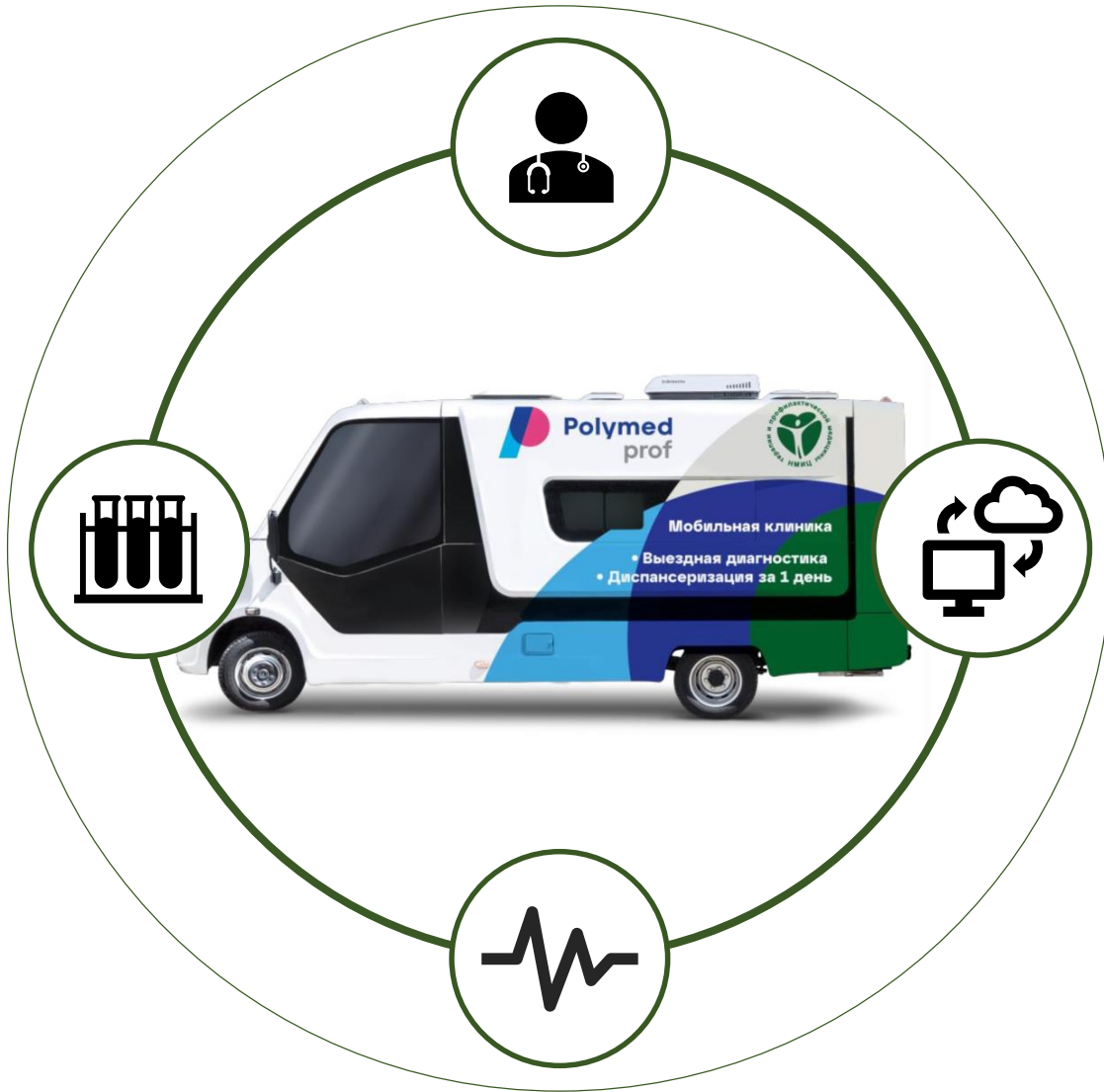


Preliminary conclusion (Telemedicine, AI)



Confirmation of the conclusion
(Doctor - through the doctor's personal account)

IT platform and telemedicine



Digital transmission and processing

Examination results in digital format

ERP-system

- Telemedicine platform and integrated AI for processing the results obtained
- Analysis of the results by doctors of the highest category to obtain a conclusion.
- "Second Opinion" service from the National Medical Research Center of TPM
- Routing results to MIS (if necessary)

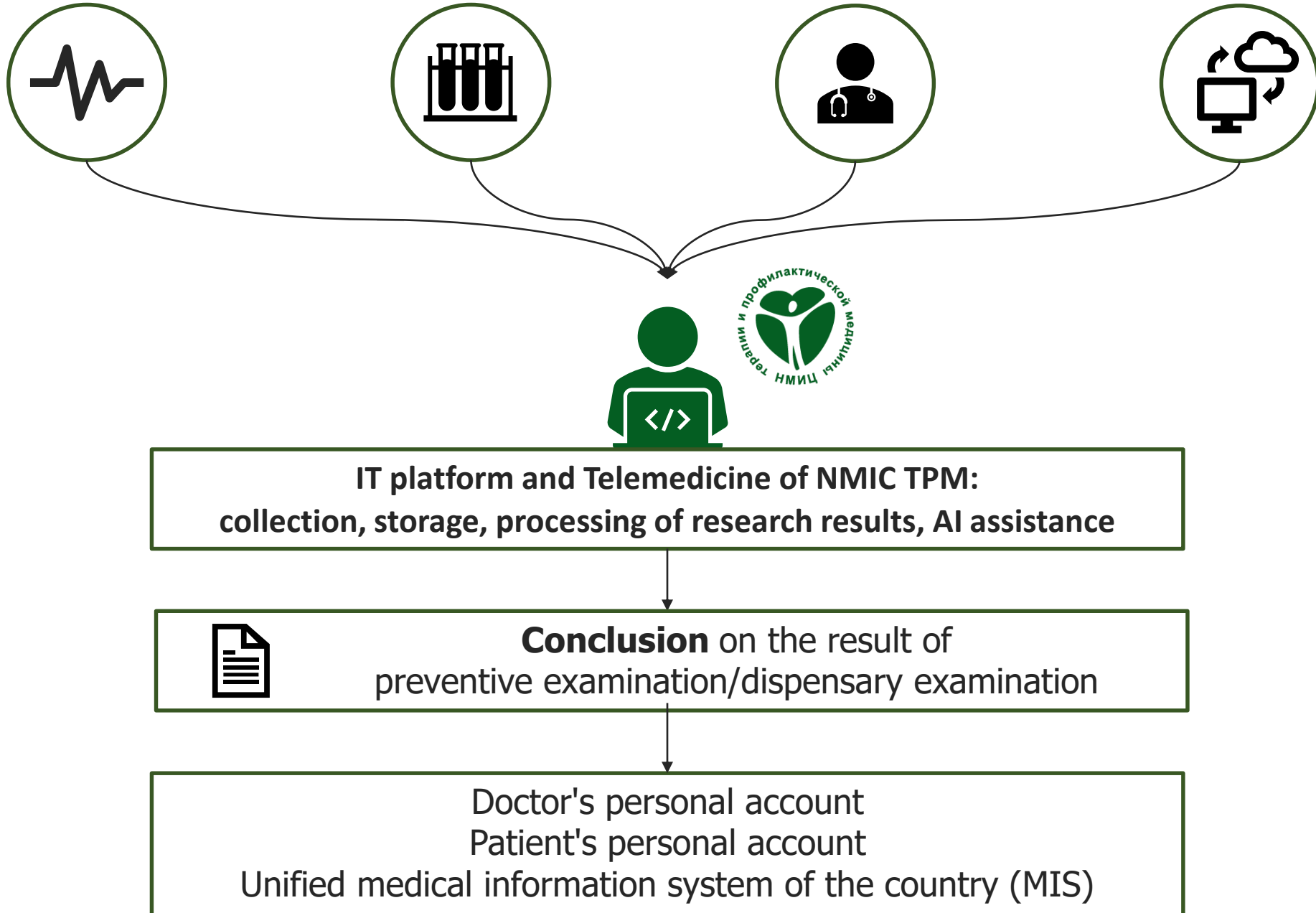


Artificial intelligence



- Highly accurate detection of deviations from the norm in automatic mode using an extensive data library with confirmed anomalies
- Minimizing the possibility of the human factor when processing results of the examinations
- Possibility of conducting examinations by junior and mid-level medical personnel

Integrated Technologies



Screening



Cardiovascular diseases



Point of care analyzer for lipid spectrum
(total cholesterol, LDL, HDL, triglycerides)



Rapid tests for cardiac markers

- Troponin I
- Combo test: Troponin I, Myoglobin and CK-MB
- NT-proBNP



Tonometer with remote data transfer



Portable electrocardiograph (ECG) and ultrasound scanner



Respiratory diseases



Rapid tests for respiratory infections

- SARS-CoV-2
- Influenza virus types A and B
- Adenovirus
- Respiratory syncytial virus (RSV)
- Streptococcus A



Portable lung x-ray with remote control and data transfer



Digital stethoscope



Spirometer



Diabetes



Point of care analyzer for blood glucose level



Continuous Glucose Monitoring System (CGMS)



Screening for target organ damage



Oncological diseases



Rapid tests for oncology

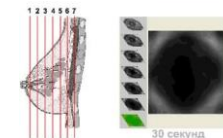
- Fecal occult blood (FOB)
- Alpha-fetoprotein (AFP)
- Carcinoembryonic antigen (CEA)
- Prostate-specific antigen (PSA)



Cervical cancer screening (cytological express testing)



Mammography



Portable ultrasound scanner



Infectious diseases



Wide range of highly accurate rapid tests

Mobile cartridge system for PCR analysis (result in 30 minutes)



Gastrointestinal tract infections

Sexually transmitted infections (STI)

Especially dangerous infections

Respiratory infections

- Rotavirus
- Adenovirus
- Helicobacter pylori
- Clostridia
- Salmonella
- HIV
- Hepatitis B and C
- Chlamydia
- Gonorrhea
- Candida
- Chagas disease
- Leishmania
- Legionella
- Malaria
- SARS-CoV-2
- Influenza A/B
- RSV
- Tuberculosis

Mobility

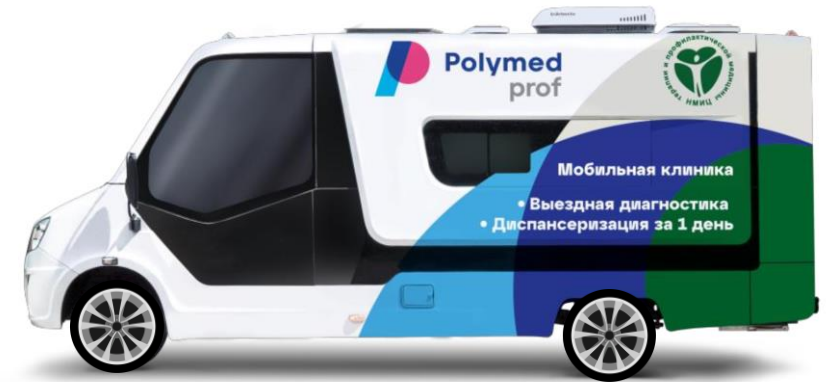
The mobile medical complex allows you to provide qualified medical care and carry out on-site vaccination in remote areas. The equipment fully complies with the requirements for mobile medical care and vaccination points.

Full mobility allows you to provide services where required in hard-to-reach regions

Time to launch – **1 month**

Prompt response and provision of qualified **medical care** in emergency situations

Flexibility in transforming vehicle equipment to meet the specific needs of the country:
carrying out **preventive examinations / vaccinations / on-site medical services**



Availability

The **mobile medical complex** allows you to **reduce the costs** of diagnostic and treatment measures and make qualified medical care available **to every patient**.

There is **no need for highly qualified personnel** in the place where diagnostic activities are carried out; the examination is carried out by **junior/nursing medical personnel**. Processing results using **telemedicine and AI**

High capacity – **1000 patients per month**

Relatively **low costs for a full list of equipment and operation**
- personnel: driver and junior/nursing-level medical worker

Remote data processing, **telemedicine and artificial intelligence** for **quick decision-making** on further tactics for examining and treating the patient



Terms of purchase and maintaining of SHC PolymedProf	Rent	Purchase Option 1	Purchase Option 2
Vehicle PolymedProf	✓	✗	✓
Software and Hardware Complex PolymedProf	✓	✓	✓

Mentoring

Experts from the National Medical Research Center for Therapy and Preventive Medicine provide **comprehensive support at all stages of organizing medical care.**

Telemedicine

Supporting the work of the SHC by a situation center created within the country's medical organization (processing examination results and issuing conclusions)

"Second opinion" from leading experts

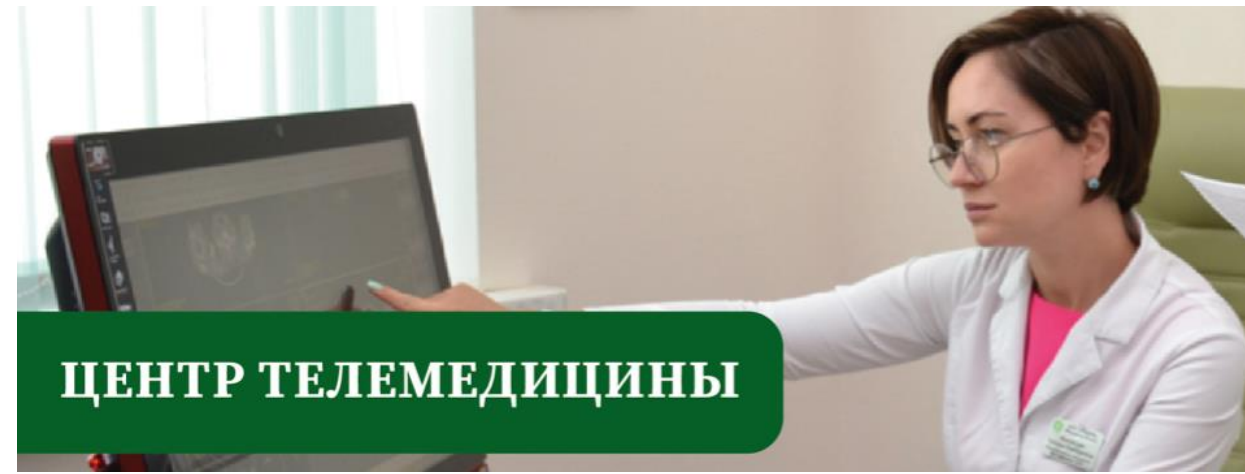
Additional services

The results of the examinations are accepted by leading medical organizations of the Russian Federation

A digital health passport can be sent for a more in-depth examination and treatment on the basis of leading healthcare facilities in the Russian Federation

Consultations on methodological support, diagnosis, vaccination and management tactics

Fast. Comfortable. Effective.



ЦЕНТР ТЕЛЕМЕДИЦИНЫ

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