

Personal remote health state control complex



Problems of cardiovascular disease diagnostics

- The difficulties in detecting paroxysmal arrhythmia;
- The need for rapid response to disease exacerbation;
- Identifying problems of "silent" ischemia;
- The need for timely correction of treatment.



CardioMonitor tracks

- ✓ ECG
- ✓ Body temperature
- ✓ Pulse
- ✓ Breath frequency



7-days monitoring without recharging

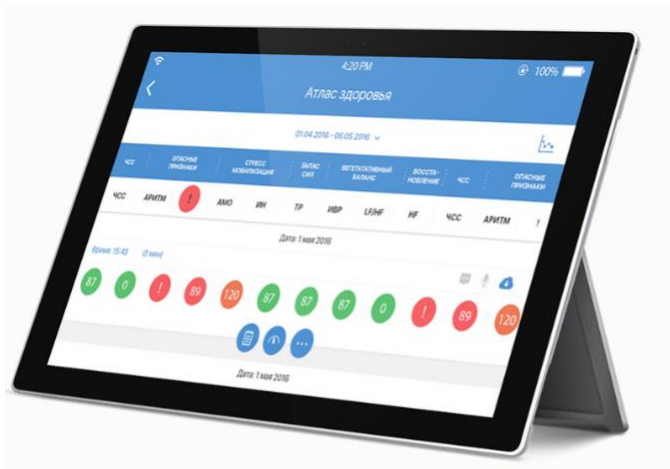
How Complex Functions



CardioMonitor solves the problems of

1. Classic cardiology

Primary diagnosis and monitoring of cardiovascular disease



2. Assessment of the organism functional state

Based on the analysis of heart rate variability

Classic cardiology

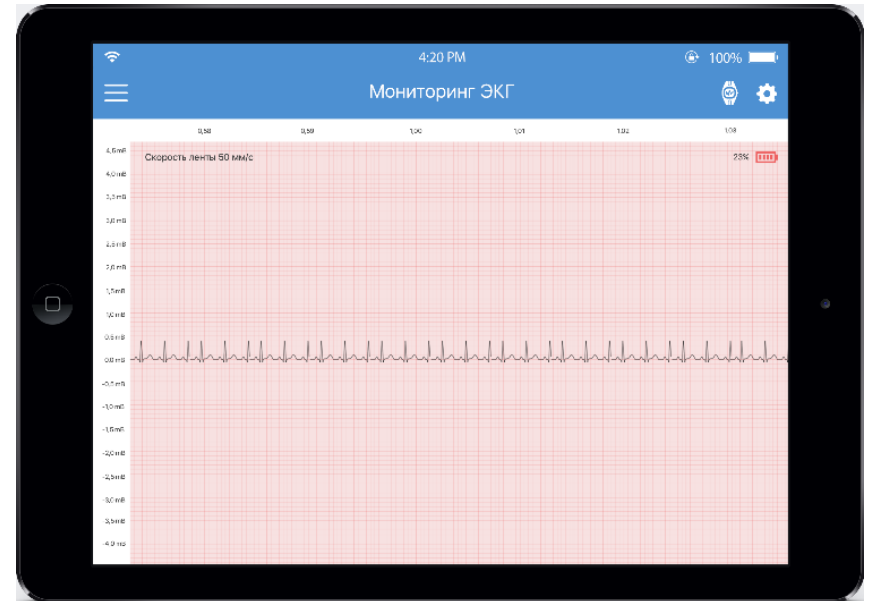
CardioMonitor allows to monitor violations in the work of the heart 24-hour:

➤ Arrhythmia

- ✓ atrial fibrillation
- ✓ auricular flutter
- ✓ tachycardia
- ✓ bradycardia
- ✓ rhythm pause/ sleep apnea

➤ Ischemic changes

- ✓ informs about starting a dangerous narrowing of the blood vessels



CardioMonitor does not diagnose!
It promptly recommends to consult a doctor.

Assessment of the organism state

CardioMonitor allows to monitor the whole organism and assess:

- ✓ the degree of fatigue,
- ✓ stress levels,
- ✓ stamina,
- ✓ the organism's ability to recover*.

Graphical display of results in the mobile application:

-  – normal
-  – deviation
-  – dangerous deviation



*Based on the analysis of heart rate variability

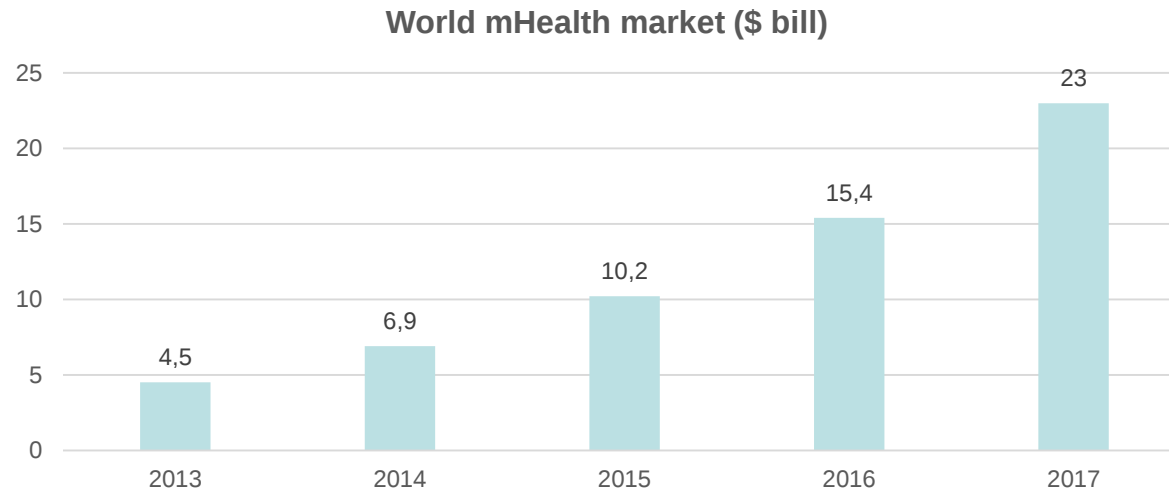
Doctors get the information

Data from all patients in real time:

- ✓ ECG analysis
- ✓ Analysis of the heart rate variability
- ✓ History of events
- ✓ Notification of hazardous conditions of the patient
- ✓ Final report



World Mobile Medicine Market



Source: Brookings

Service	\$ mln	share
Monitoring	15	65%
Diagnosis	3,4	15%
Treatment	2,3	10%
Practical health support	1,1	5%

Competitor analysis

Device	2-channelled ECG	Arrhythmia	Ischemia	Analysis of HRV*	Body temperature	Pulse	Price
Cardio Monitor	✓	✓	✓	✓	✓	✓	\$187
ZIO Service	✗	✓	✗	✗	✗	✓	\$200
PREVENTICE iRithm	✗	✓	✗	✗	✗	✓	\$200
AliveCor	✗	✓	✗	✗	✗	✓	\$99
Kito	✗	✗	✗	✗	✓	✓	\$99
HealthPatch MD	✗	✗	✗	✓	✓	✓	\$200
WMe2	✗	✗	✗	✓	✗	✗	\$249

* Heart rate variability

Cooperation model

Technology Transfer:



Local experts



Local production



Local data-storage

Success in the area with previous generation of devices

Preventice company (USA) project took the 8th place in the list of greatest investment deals (**\$108 bill**) in the sphere of medical technologies in 2014.



MERCK Innovation Fund invested in Preventice Solutions:

- ✓ wearable sensor of heart rhythm and ECG
- ✓ platform for cooperation of medical services supplier and patient
- ✓ system of patient involvement in treatment process, which provide him/her relevant information about health state and make him/her follow the treatment course

