

AVI Health

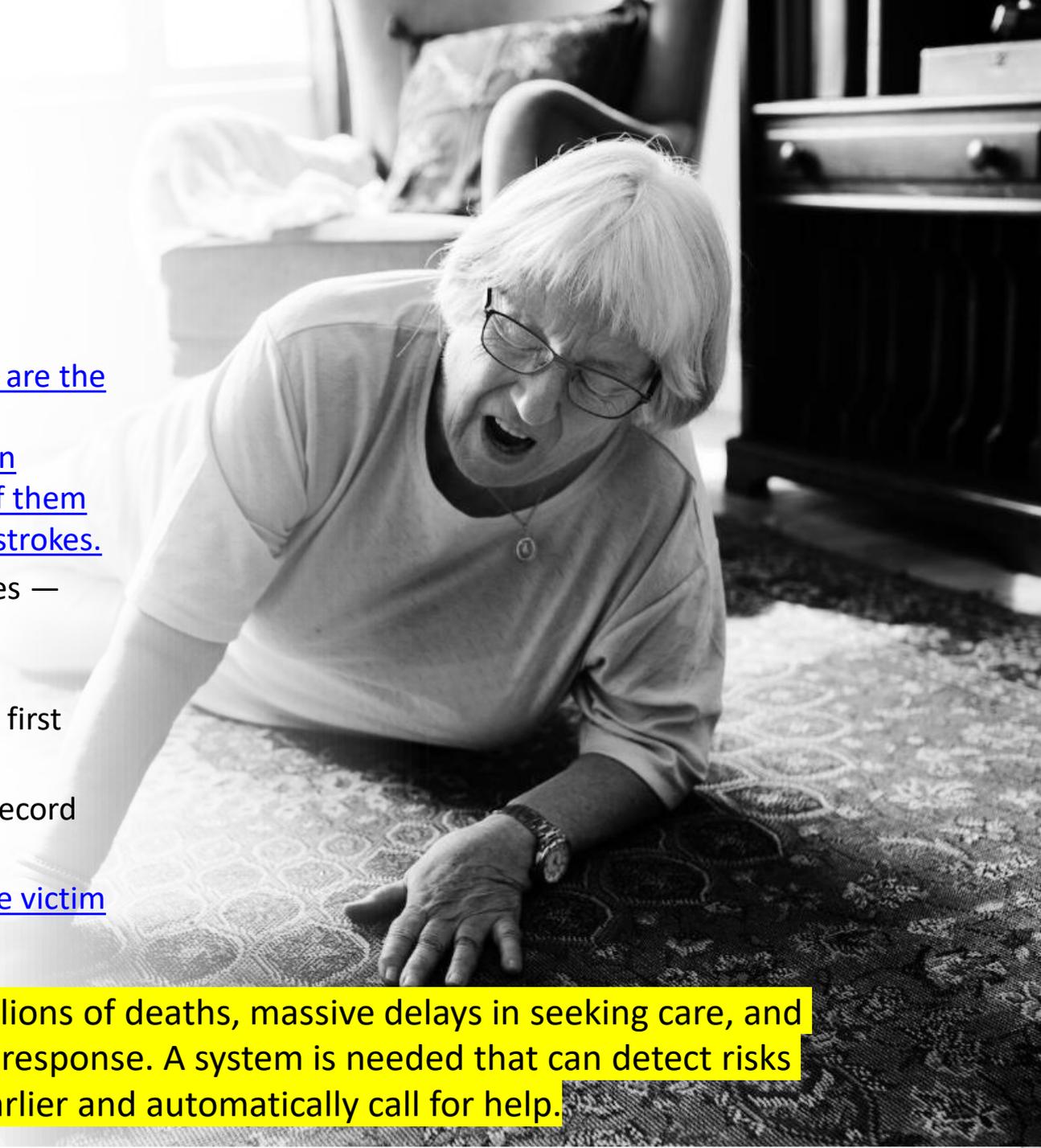
Ecosystem with an AI Medical
Assistant



Problem

- [Cardiovascular diseases are the leading cause of death worldwide: ≈19.8 million deaths in 2022, ~85% of them from heart attacks and strokes.](#)
- Heart attacks and strokes — top causes of mortality worldwide.
- People often ignore the first symptoms.
- Regular smartwatches record data but do not react.
- [What happens when the victim cannot call for help?](#)

The Problem: Millions of deaths, massive delays in seeking care, and slow emergency response. A system is needed that can detect risks earlier and automatically call for help.



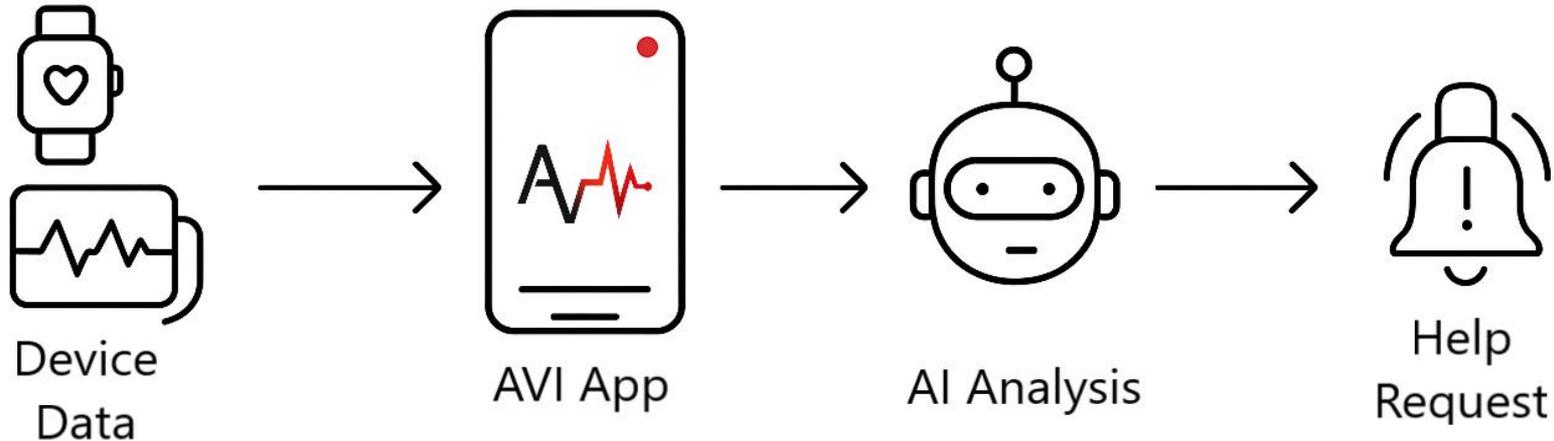
Solution

AVI Health — an app that saves time and lives

- The app is the core of the entire AVI ecosystem.
- Receives data from devices (smartwatches, handheld ECG, blood pressure monitor, etc.)
- Analyzes health metrics in real time using AI.
- Voice assistant enables dialogue with the user.
- Automatically warns about risks and suggests actions.
- Can contact relatives or make an emergency call in critical situations.
- Supports multiple devices: works with popular gadgets such as Apple Watch, Samsung, and other sensors.

AVI extends the capabilities of regular smartwatches by adding medical-grade accuracy.

AVI AI Assistant: From Data to Action



Scenario 1

Risk Warning

"Your blood pressure is above normal. We recommend repeating the measurement and reducing physical activity."

AVI transforms wearable devices into an active health partner.

Scenario 2

Emergency

The watch detects arrhythmia. The app sends an alert.

Assistant: "Serious rhythm disturbances detected. I am calling an ambulance and notifying your relatives."

Device

4 in 1: Smart Watch & Portable ECG Monitor



Handheld ECG: Quick cardiogram measurement anytime.



Smart Watch: Tracks sleep, steps, calories, and notifications.



Health under control: Blood pressure, pulse, SpO₂, rhythm variability, sugar, temperature



Convenience: A stylish watch and a medical monitor in one device.



Four test modes

Watch ECG, handheld ECG, ECG strap ECG chest patch ECG, four test modes for accurate monitoring

01 One-key monitoring on wrist measurement



In ECG measurement mode, long press the "ECG button" on the watch (or click "Start Test" on the APP) to start the measurement.

02 Handheld mode: You can measure ECG by hand



After removing the watch strap, buckle it on the ECG stand. The heart rate and ECG waveform can be detected in PTT mode.

03 Heart rate belt mode: wear heart rate belt monitoring



Wear the ECG stand on the chest through the heart rate belt, The heart rate and ECG waveform can be detected in PTT mode.

04 Chest sticker mode: wear heart rate sticker monitoring



Paste the ECG stand on the chest through the chest sticker, The heart rate and ECG waveform can be detected in PTT mode.

All day guardianship to know your heart

The Smart Watch has a built-in high-performance, low-power dynamic optical heart rate sensor, which is automatically detected by the optical heart rate sensor on the back of the watch, combined with an intelligent heart rate algorithm to accurately and finely identify heart rate changes, and 24-hour real-time



Uniqueness

- **Multi-level Analysis:** Heart rate, blood pressure, ECG (up to 4 channels)
- **Integration with All Gadgets** (Universality)
- **AI Assistant:** Asks questions, clarifies the user's condition
- **Emergency Response:** Ability to call for help in case of critical indicators

How AVI works

1. Device Connection

Watches, bands, handheld ECG, blood pressure monitor, scales

2. Data Collection

Heart rate, blood pressure, ECG, activity, sleep, glucose, temperature

3. AI Analysis

Health assessment, risk prediction, anomaly detection

4. Interactive Assistant

Voice dialogue, symptom clarification

5. Event Response

Recommendations, family notifications, emergency call



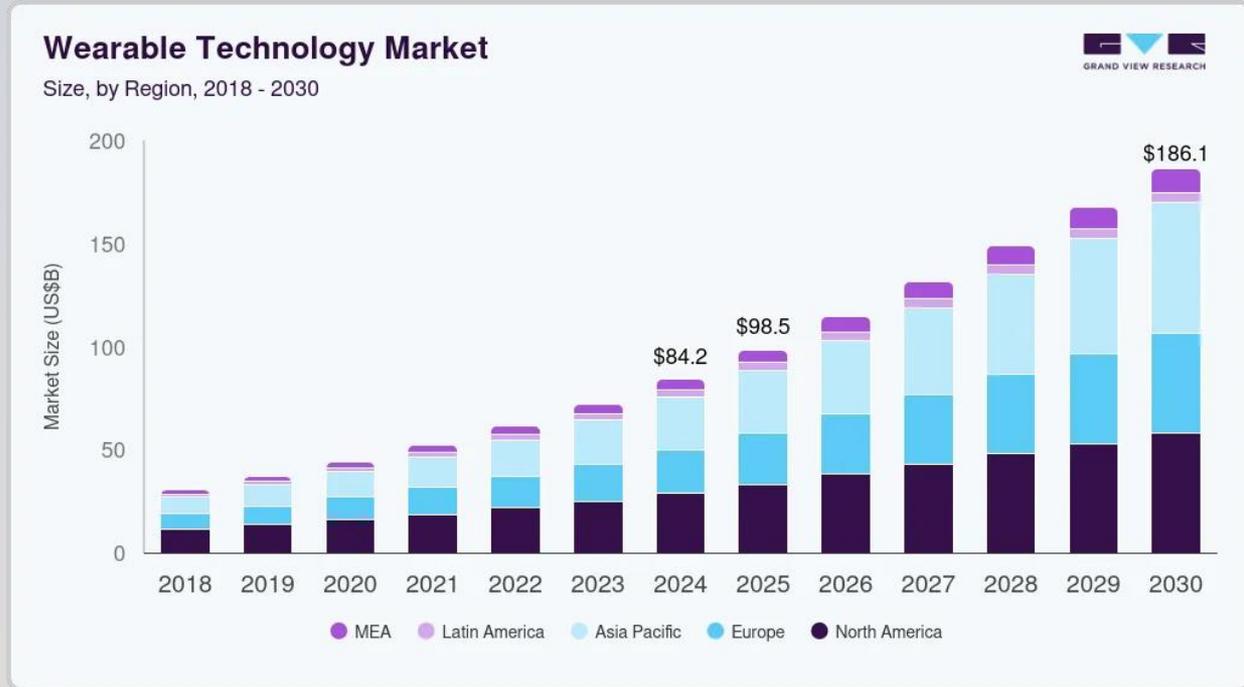
Target audience

- People 35+ who care about their health
- Athletes and active users
- People with hereditary risks
- Elderly people
- Relatives who want to monitor their loved ones remotely



Market

- The global wearable technology market is valued at \$84.2 billion in 2024 and is projected to grow to \$186.14 billion by 2030 with a CAGR of 13.6%.
- Growing at ~10% annually
- Strong demand for medical wearable devices

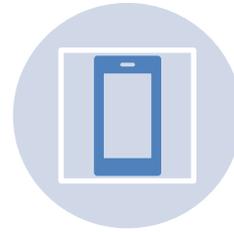


[Wearable Technology Market](#)

Competitors



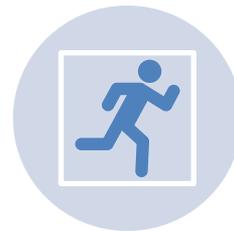
Apple Watch



Samsung Galaxy
Watch



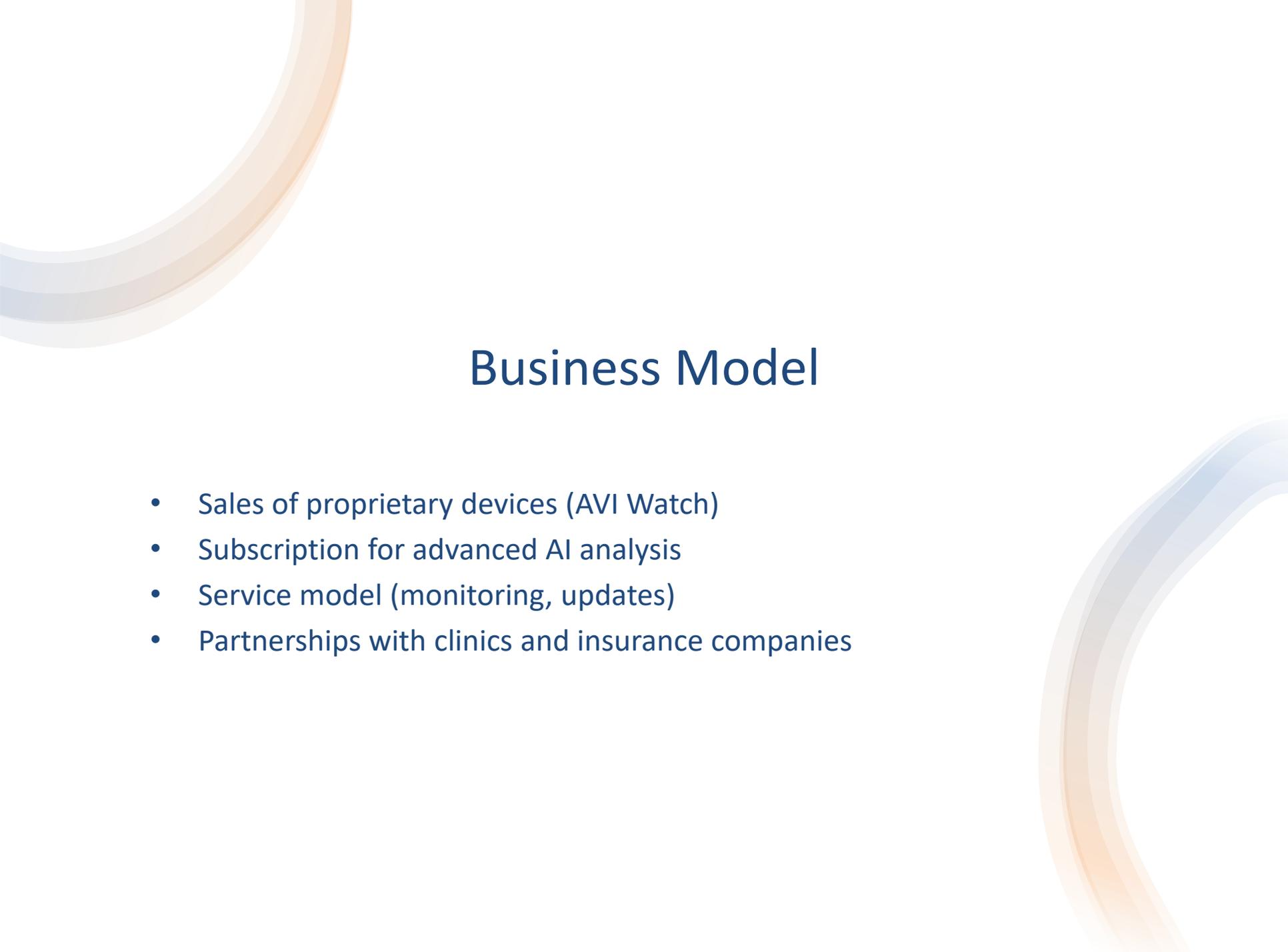
Fitbit and other
fitness bands



Limitation: Focused
on fitness, not
medical accuracy

Why AVI is better

- Affordable price
- 4-channel ECG
- Voice assistant
- Focus on health and prevention of heart attack/stroke

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Business Model

- Sales of proprietary devices (AVI Watch)
- Subscription for advanced AI analysis
- Service model (monitoring, updates)
- Partnerships with clinics and insurance companies

Development Plan

- Prototype → testing → investment
- Market entry and scaling
- Expansion of the AVI Health ecosystem
- Medical-grade certification

TEAM

Your pulse matters. We create a product that cares for your health as if for a loved one.



To ensure innovation and scalability, the AVI Health team combines expertise in sports, software development, behavioral health, and business operations. The founders bring together technical skills, medical knowledge, and proven experience in launching and scaling companies.



Sergey Tolbuzov, Founder & CEO

A serial entrepreneur with experience in sports and business. Launched projects in services, smart technologies, and food-tech, achieving growth and process optimization. His background as a national-level athlete strengthens AVI Health's focus on the fitness audience and preventive healthcare. At AVI Health, he leads strategy, partnerships, and market entry.



Alexander Gritsevsky, CTO

Over 30 years in software development and automation, currently Head of Software Development at Swedbank Estonia. Expert in CI/CD, scalable systems, and compliance with GDPR and EU MDR standards. At AVI Health, he is responsible for the platform's architecture, biosensor data processing, and B2C/B2B system integration.



Alina Rycheva, Product & Design Associate

A young UI/UX design specialist and graduate of Eesti Ettevõtluskõrgkool Mainor. Participant in hackathons and HealthTech projects. At AVI Health, she is responsible for intuitive app design and visualization of biomonitoring data, enhancing user engagement and conversion.



Elena Dyukina, Behavioral Health Expert

A psychotherapist with 18 years of experience and a member of the European Transpersonal Association (EUROTAS). Specializes in stress-related and psychosomatic heart risk factors. At AVI Health, she develops questionnaires and tools for early risk detection, strengthening the product's clinical value.

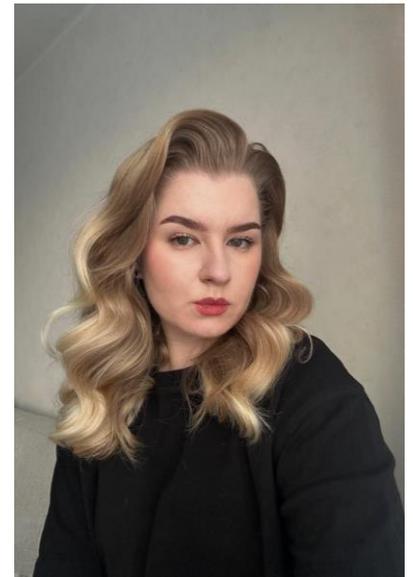


Kristina Benkivskaja – Head of Communications & Product Evangelist

Kristina represents AVI Health to partners, investors, and clients worldwide. She leads product presentations, builds international relationships, and ensures our message is clear and impactful. Her strong English and ability to inspire make Kristina a driving force in AVI Health's global expansion.

TEAM

-  Sergey Tolbuzov — Founder, strategist & visionary
-  Alexander Gritsevsky — Lead developer
-  Alina Rycheva — Junior developer & designer
-  Elena Dyukina, Behavioral Health Expert
- Kristina Benkivskaja – Head of Communications & Product Evangelist
-  In the future — Cardiologist



Thank you for
your attention!

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