

Pave the Path to Wellness with Binah.ai's Software-Based Health and Wellness Checks

The image displays the Binah.ai health check interface across three devices:

- Laptop:** Shows the Binah.ai dashboard with a navigation menu (Home, Measurement, Trends, Logs, Information) and a central video feed of a man wearing a pulse oximeter. The heart rate is displayed as 59 bpm.
- Tablet:** Shows a 'Wellness Score' of 7/10 (Medium) and a 'My Vital Signs' section with the following data:
 - Heart Rate: 74 bpm (Normal)
 - Breathing Rate: 120 bpm (Low)
 - PRQ: 7 (High)
 - Oxygen Saturation: 74% (Normal)
- Smartphone:** Shows a heart rate of 74 bpm and a 'Stay still during the measurement' instruction.













A pink circular callout on the right says "Introducing: Continuous Checks!". A black pulse oximeter device is shown at the bottom right.

Millions of Deaths Can Be Prevented

Each year, millions of people worldwide die from preventable illnesses like cardiovascular disease, chronic lower respiratory disease, and more. In addition to the pain and suffering they cause, preventable diseases place an enormous burden on societies, economies, medical systems, and medical staff. While generating a surging wellness industry, this understanding has led the healthcare and insurance industries to devote more resources towards wellness, a preventive and holistic approach to care.



Biomarkers You Can Measure Using Binah.ai's Technology

 Blood Pressure	 Heart Rate
 Heart Rate Variability	 Breathing Rate
 Oxygen Saturation	 Sympathetic Stress
 Parasympathetic Activity	 Pulse Respiratory Quotient (PRQ)
 Wellness Score	 Hemoglobin A1c*
 Hemoglobin*	 Cholesterol Total*

*Under research, more coming soon

Power Your Offering with the #1 Software for Health and Wellness Checks

Binah.ai's award-winning Health Data Platform offers insurers an unparalleled advantage by transforming smartphones, tablets and laptops into health and wellness monitoring tools. Using Binah.ai's AI-powered, software-only solution, wellness services providers can remotely measure an extensive range of biomarkers and revolutionary bloodless blood tests with client agreement.

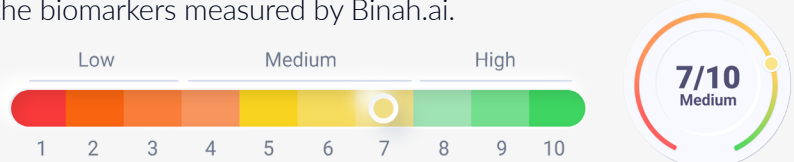
Biomarkers include: blood pressure, heart rate, heart rate variability (HRV SDNN and RRI raw data), oxygen saturation, breathing rate, sympathetic stress, parasympathetic activity and pulse-respiration quotient (PRQ). Blood tests* include Hemoglobin, Hemoglobin A1C, Cholesterol total (*blood tests are currently under research).

Strong Scientific Background

Binah.ai's technology has undergone rigorous testing in the lab and by third parties. Measurements are real measurements and are not based on a statistical predictive model.

Binah Wellness Score

Enable clients to get one simple score that reflects general wellness levels in just 60 seconds. The Binah.ai Wellness Score is based on the biomarkers measured by Binah.ai.

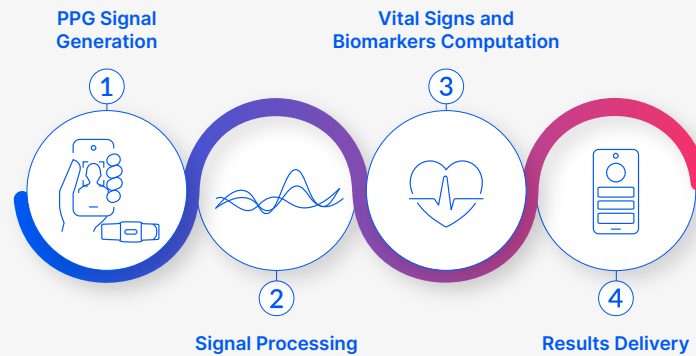


Managing Stress

Mental stress is at the root of various medical and psychological conditions. Continuous strain on the body due to stress may contribute to serious health problems and mental disorders, including heart disease, high blood pressure, diabetes, depression and anxiety. Consequently, learning to regulate stress is a critical component of wellness and preventive medicine. With Binah.ai's mental stress monitoring feature, calculated based on the Baevsky Stress Index, users and care providers can gain insights into stress and recovery patterns and use the provided data trends and history to make the lifestyle changes necessary to minimize and cope with stress.

How Binah.ai's Technology Works

Binah.ai uses a unique mix of advanced AI and deep learning algorithms to enable spot checks from camera-based devices like smartphones or smart mirrors and continuous checks from PPG sensors. For spot checks, Binah.ai extracts and analyzes an rPPG signal taken from exposed skin on the surface of a human face. For continuous checks, Binah.ai analyzes a PPG signal delivered from the sensor via Bluetooth® to calculate measurement results. Delivering consistent results in under one minute, Binah.ai's technology is agnostic to skin color and gender. Binah.ai's five stress levels are calculated based on the Baevsky Stress Index.



1. PPG Signal Generation: Binah.ai generates a PPG signal by capturing video input or receives PPG signals from an external sensor.

2. Signal Processing: The PPG signal undergoes a noise reduction process, effectively eliminating various types of noise in each frame (e.g., background, movement, light variations, etc.) and optimizing the signal-to-noise ratio (SNR). This step is essential to ensure the reliability of the subsequent analysis.

3. Vital Signs and Biomarkers Computation: The processed signal is input into Binah.ai's unique combinations of models and mathematical algorithms. Each combination is designed to process a specific vital sign or biomarker.

4. Results Delivery: The final measurements are delivered to the application. Binah.ai has no access to the measurements, and the SDK does not keep a record of the data or results once the results are delivered.

External sensors can be used for continuous monitoring. Binah.ai has developed an application that customers may use to send continuous results to their own cloud. Binah.ai has no access to the continuous results.

Unique Edge Architecture

Binah.ai's software harnesses the power of edge computing, saving you money on cloud costs and enabling stable performance throughout. In compliance with GDPR requirements, **Binah.ai does not have access to the end user's data.**

Support Wellness Journeys with Binah.ai

Wellness Program Path	Binah.ai's Support at Every Step
Initial screening and questionnaire	Benchmark starting point using real-time health data
Progress	Monitor biomarkers regularly to track progress
Follow up + intensity adjustment	Adjust intensity and re-align goals using data trends
Goal	Increase participant confidence and engagement with specific, measurable goals
Maintenance	Maintain healthy lifestyle through consistent monitoring and remote follow-up

Delivery

Binah SDK (Software Development Kit)

- Supports: iPhone (8 and up), iPad (6th Gen and all iPad models released afterwards); Android 8.1 mobile devices; Windows 10 laptops and desktops
- Web Application Support: compatible with Safari on iOS and Google Chrome on Android - no app needed
- Support for landscape and portrait orientations
- Available through web application clients - no app download needed

Binah Check - Ready-to-use Health and Wellness Monitoring App

- Immediately available on a per-user model, no integration needed
- Includes a SaaS-based management platform and end-user application
- Available for: iPhone (8 and up) and Android smartphones, Windows 10 laptops and desktops

Use Cases We Empower

Numerous industries can help clients, customers, and employees improve their health and wellbeing through health and wellness monitoring. Binah.ai's Health Data Platform can support:



Wellness Program Providers

- Track progress using remote, real-time health data
- Increase engagement by setting measurable goals, enabling participants to monitor results, and rewarding improvement
- Reduce customer churn by proving progress and efficacy of your wellness program on the customer's overall health (heart rate, mental stress levels, etc.)



Wellness Monitoring for Insurance

- Boost gamification and wellness program engagement by incentivizing measurable wellness goals
- Reduce operational costs: Minimize in-person evaluations and health assessments
- Enhance risk assessment with real-time health data
- Extend outreach to remote locations
- Enable clients to measure and track their wellness while sleeping, performing activities, traveling, and more



Corporate Wellness

- Create a resilient and invigorating work culture by empowering employees to achieve wellbeing
- Reduce absenteeism and stimulate productivity by supporting wellness efforts and stress management
- Reduce stress among employees working remotely or from home
- Reduce employer health insurance costs
- Enable employees to measure wellbeing for extended periods while at work to understand their wellbeing and help support employee needs



Consumer Wellness

- Reward your consumers with a wellness monitoring solution
- Enhance customer satisfaction and personalize user experience with an added benefit
- Have customers scan vital signs before accessing your facilities
- Enhance wellness partnerships to generate customer loyalty



Wellness Monitoring for Ageing in Place

- Support independence of elderly patients with remote wellness monitoring
- Provide caretakers with tools to measure the wellness of elderly patients from the comfort of their own homes
- Enable elderly patients and their family members to stay informed and at ease through real-time updates
- Reduce unnecessary travel to health clinics



Wellness Monitoring for Healthcare

- Augment telehealth technology and preventive care with remote wellness monitoring
- Remotely monitor chronic illness and allow patients to recover from home
- Collect and save patients' wellness data in EMRs
- Reduce the strain on medical facilities and staff
- Track granular data on patient welfare over time
- Reduce healthcare costs: equipment, personnel, work hours, etc.

Health Checks Anywhere

Binah.ai's software-only, video-based Health Data platform is the next stage in the evolution of health and wellness monitoring. By reducing the need for dedicated hardware and transforming smartphones, tablets and laptops into health and wellness monitoring tools, Binah.ai is enabling wellness, healthcare and insurance industries worldwide to measure an extensive range of biomarkers just by having users look into their device's camera. Delivering on its vision and mission to support Health Checks Anywhere, Binah.ai is making access to user-provided health data fast, simple and affordable and empowering organizations to provide quality, personalized care and services at lower costs.

For more information on Binah.ai, please visit: www.binah.ai or write to us at info@binah.ai

Industries We Empower



Selected Customers











Certifications



Recent Market Recognition



Why Binah.ai?

 <p>Unique Edge Architecture No cloud costs, stable performance, and internet connection not mandatory.</p>	 <p>Strong Scientific Background Rigorously tested in lab and by third parties. Real measurements - not based on statistical predictive model.</p>	 <p>Easy to Use Fast, easy, contactless. Health measurements extracted in under a minute.</p>	 <p>No Privacy Concerns In compliance with GDPR requirements, Binah.ai has no access to end-user data.</p>
 <p>Accessible Available on smartphones, tablets and laptops.</p>	 <p>Seamless Integration Delivered as an easy-to-integrate SDK or ready-to-use app.</p>	 <p>For All Gender and skin-color agnostic technology supports equitable access.</p>	 <p>Proven In use with tens of millions of end-users in the insurance, healthcare and wellness industries.</p>