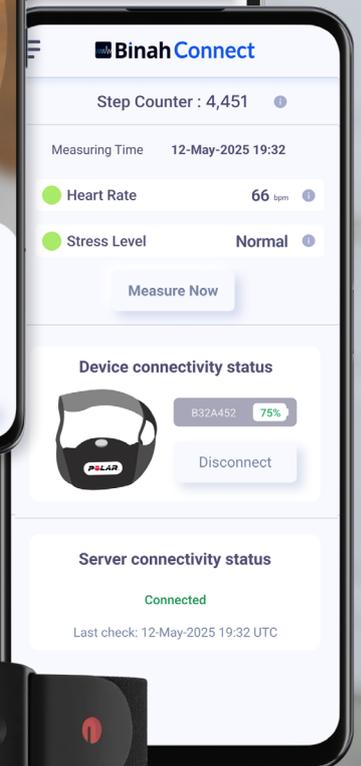
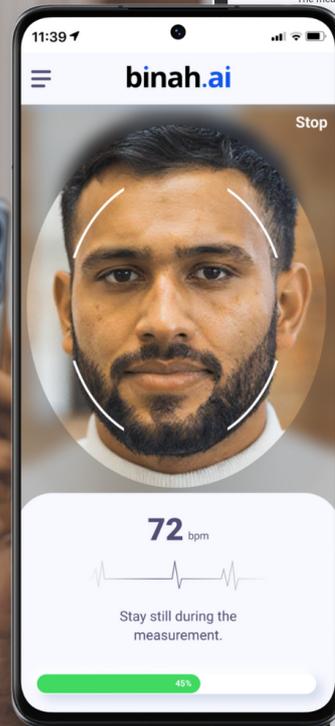
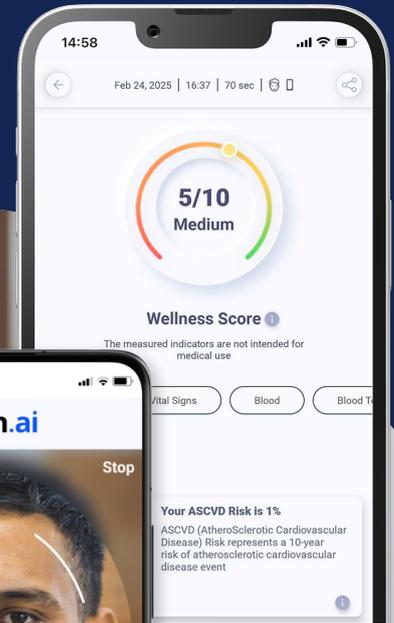


Binah.ai The #1 Health and Wellness Check Software

Making Health Data More Accessible
for Better Services at Lower Costs



Addressing the Global Healthcare Crisis with Accessible Health Monitoring

Every year, noncommunicable diseases (NCDs) kill 43 million people, equivalent to a staggering 74% of all deaths globally. Many of these diseases, including cardiovascular disease, the most deadly NCD, responsible for 17.9 million deaths annually, could be prevented and controlled. Two major factors driving the prevalence of NCDs include unhealthy lifestyles and the global trend of population aging. In the face of this escalating crisis, the healthcare, insurance and wellness sectors are encountering a growing demand to shift to a preventative model and to help people adopt healthier, more independent lifestyles. The need for a simple, accessible, and affordable way to measure, monitor and manage health and wellness levels has never been more pressing. [Source: https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases](https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases)

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

Binah.ai's award-winning Health Data Platform offers organizations an unparalleled advantage by transforming camera-equipped devices, such as smartphones or tablets, into comprehensive health and wellness monitoring tools.

By integrating our software-based solution, delivered as a Software Development Kit, Binah SDK, organizations can remotely measure an extensive range of health and wellness indicators, perform revolutionary bloodless blood tests, screen for disease risks, and detect falls with end-user consent. These indicators can aid in the early detection and management of chronic diseases and health issues such as cardiovascular disease, diabetes, hypertension, chronic stress, and more.

Health Indicators Providers and Patients Can Measure with Binah.ai

Blood Pressure	Heart Rate	Heart Rate Variability	Respiratory Rate	Oxygen Saturation	Sympathetic Stress
Parasympathetic Activity	PRQ	Hemoglobin*	Hemoglobin A1c*	High Blood Pressure Risk	Mean Arterial Pressure
ASCVD Risk Level	High Fasting Glucose Risk*	Low Hemoglobin Risk*	High HbA1c Risk*	High Total Cholesterol Risk*	Heart Age
Cardiac Workload	Pulse Pressure	Fall Detection	Low Activity	Wellness Score	More Indicators Coming Soon

*Under research

How Binah.ai's Technology Works

Our technology harnesses a unique technological mix of signal processing, advanced AI, and a proprietary set of algorithms developed and perfected in-house over nearly a decade to conduct health and wellness checks. The health and wellness indicators are measured using photoplethysmography (PPG), a well-established, non-invasive optical technique used for measuring physiological health parameters. Stress levels are calculated using the Baevsky Stress Index. ASCVD Risk and Heart Age are based on the Framingham risk score. Delivering consistent, high-quality results in under a minute, Binah.ai's technology supports all Fitzpatrick scale skin tones, genders, and ages over 18.

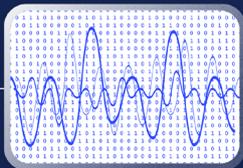
Contactless Spot Checks Using Devices' Camera

After resting for 2-5 min, the user taps 'Start' and takes a 35-60-second selfie video.



While the video is recording, Binah.ai generates a remote photoplethysmography (rPPG) signal from the live video.

The rPPG signal is processed in real time to remove noise and optimize the signal-to-noise ratio (SNR).

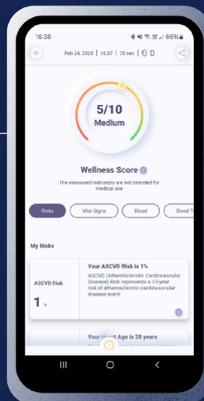


Binah.ai's proprietary models and algorithms analyze the signal to measure each health indicator.

- Blood Pressure
- Heart Rate
- Heart Rate Variability
- Breathing Rate
- Oxygen Saturation
- Sympathetic Stress
- Parasympathetic Activity
- PRQ
- Hemoglobin*
- Hemoglobin A1c*
- High Blood Pressure Risk
- Mean Arterial Pressure
- ASCVD Risk Level
- High Fasting Glucose Risk*
- Low Hemoglobin Risk*
- High HbA1c Risk*
- High Total Cholesterol Risk*
- Heart Age
- Cardiac Workload
- Pulse Pressure
- Wellness Score

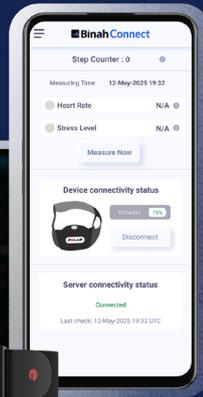
*Under research

Once the analysis is complete, the video recording stops, and the final results are displayed on the user's device. No images are saved, and Binah.ai does not have access to the data or results.



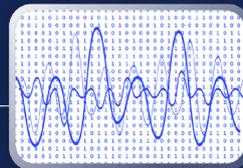
Contact-based, Continuous Checks Using Wearables

The user wears the Polar Verity Sense™ optical heart rate sensor on their arm.



Photoplethysmography (PPG) signals are continuously transmitted to the Binah SDK via Bluetooth®.

The PPG signal is processed to filter out noise and enhance the signal-to-noise ratio (SNR).

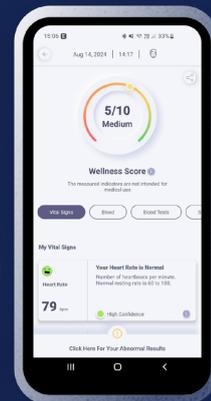


The optimized signal is analyzed using Binah.ai's proprietary models and algorithms to measure each health indicator.

- Blood Pressure
- Heart Rate
- Heart Rate Variability
- Breathing Rate
- Sympathetic Stress
- Parasympathetic Activity
- PRQ
- Fall Detection
- Low Activity
- Step Counter
- Wellness Score
- More Indicators Coming Soon

The final results are sent to the customer's cloud using the Binah Connect app. Binah.ai does not access the data or results.

Binah.ai's customer's cloud



Why Binah.ai?

Robust, Reliable Scientific Foundation

Developed by a team of experts and PhDs in fields such as medicine, engineering, deep learning, mathematics, physics, and biotechnology, Binah.ai's technology has been rigorously tested both in house and by independent third-party laboratories.

Unique Edge Architecture

Leveraging edge computing, Binah.ai's solution can operate directly on devices, eliminating cloud dependencies and costs, and delivering stable performance without the need for internet connectivity.

No Privacy Concerns

Thanks to our distinctive edge architecture, data ownership remains entirely with you, enhancing end-user data privacy and simplifying GDPR/HIPAA compliance. **Binah.ai does not have access to end user data.**

Flexible Health Checks

As the sole provider of both spot and continuous monitoring, our health and wellness checks are designed to adapt to your organization's needs.

Optimal Delivery for Seamless Integration

Our technology is provided as an easy-to-integrate SDK, complete with comprehensive documentation, reference applications, and continuous support from our customer success team, available to assist with your needs at any time.

Binah SDK (Software Development Kit)

- Supports: iPhone XP and up, iPad 6th Gen, and all iPad models released afterward with iOS 14 and up; Android 10 mobile devices
- Web Application Support: compatible with Safari and Google Chrome on iOS, and Google Chrome on android - no app needed
- Support for landscape and portrait orientations

Binah Connect - PPG Sensor Support for Continuous Checks

- Polar Verity Sense™

Consistent High-Quality Performance

Our technology consistently delivers high-quality results, bolstered by our confidence-level feature that ensures reliability. Binah.ai is currently in the Software as a Medical Device (SaMD) regulatory approval process through the FDA (USA) and additional bodies.

Universal Accessibility

Our technology is designed to be inclusive, unaffected by gender, skin tone, location, or age (18+), ensuring equal access to all and empowering organizations to reach wider populations and remote locations.

Broad Compatibility

Binah.ai's solutions seamlessly integrate with smartphones, tablets, and other camera-equipped devices like kiosks, enabling convenient health and wellness checks through the technology that best fits your needs.

Proven Technology

Deployed across the insurance, healthcare and wellness industries, Binah.ai's technology is already benefitting tens of millions of end users worldwide.

Selected Use Cases for Health and Wellness Indicators



Health Checks Anywhere

Binah.ai provides the #1 AI-powered software for health and wellness checks, transforming smartphones and other camera-equipped devices into powerful health monitoring tools. Designed for healthcare, insurance, and wellness organizations, Binah.ai enables seamless, non-invasive monitoring of vital signs, health risks, stress levels, and blood tests in under a minute. With fast, simple, and affordable access to real-time health data, organizations can deliver personalized, preventive care at lower costs—accessible to anyone, anywhere, regardless of ethnicity, gender, or location.

For more information, visit www.binah.ai or contact us at info@binah.ai

Industries We Empower



Selected Partners



Selected Customers



Certifications



Selected Market Recognition

