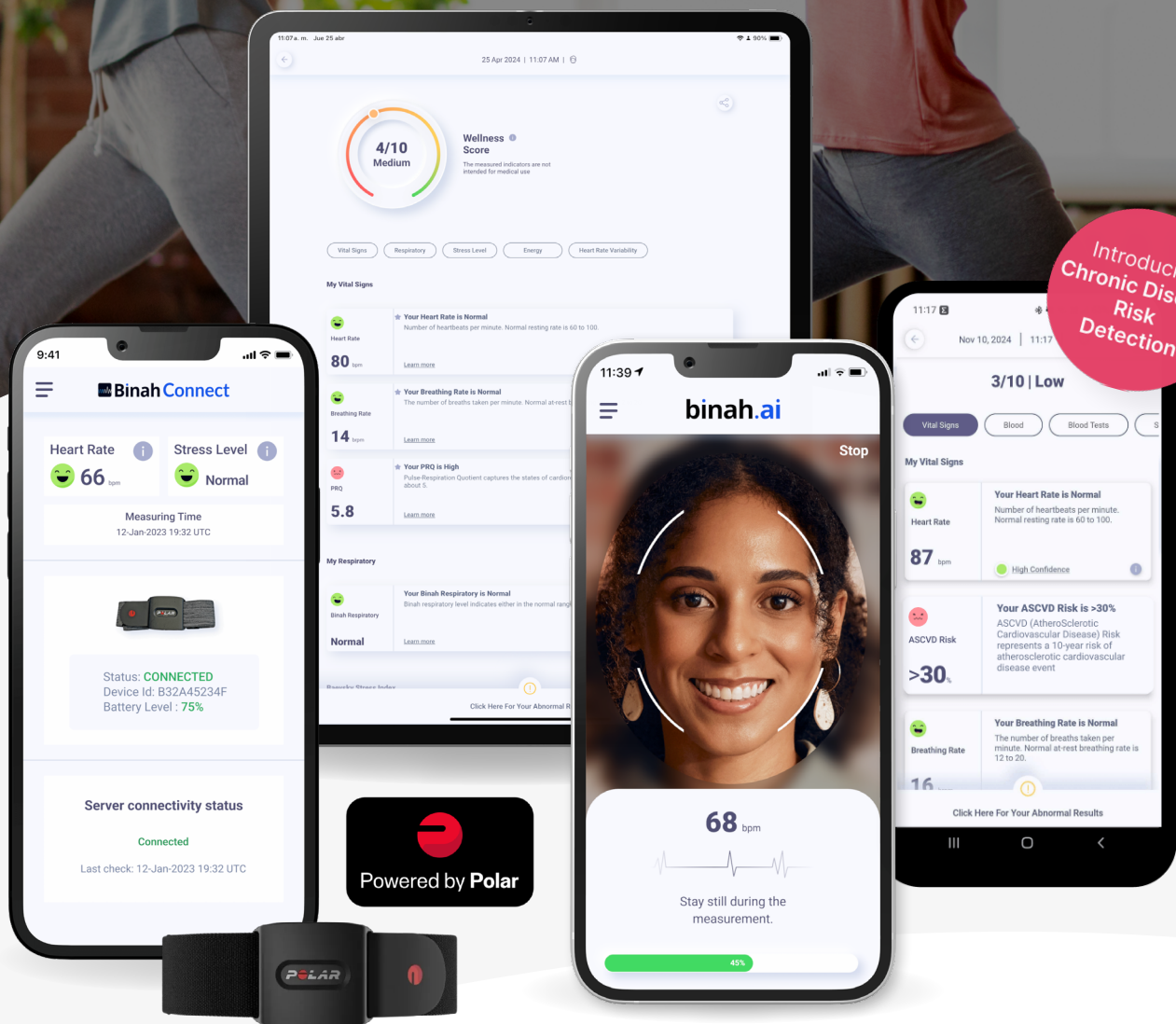


# Pave the Path to Wellness with Binah.ai's Software-Based Health and Wellness Checks





## Overcoming Barriers to Wellness Engagement

Many wellness programs face a common challenge: sustaining long-term participant engagement. Despite best efforts, participation often fades as individuals struggle to fit wellness activities into busy routines or feel disconnected from goals that seem abstract or unattainable.

Binah.ai bridges this gap by making wellness measurable, accessible, and engaging through non-invasive, real-time health monitoring via smartphones. Using Binah.ai, participants can easily measure objective health data on a device they already carry everywhere and use this to set measurable goals, track progress and see the tangible impact of their efforts reflected in their health data over time.

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

Binah.ai's award-winning Health Data Platform offers wellness service providers an unparalleled advantage in enhancing accessibility, engagement, and efficacy of wellness programs by transforming smartphones and tablets into health and wellness check tools. Using Binah.ai's AI-powered solution, wellness service providers can empower clients to measure chronic disease risk, vital signs, mental stress, and revolutionary bloodless blood tests, along with fall detection, through spot or continuous checks.

## Health Indicators You Can Measure with Binah.ai



\*Under research

## Create Personalized Wellness Journeys

Let real-time data provide you with insights on your participants' needs, and use this data to craft a personalized experience for them. Provide them with personalized suggestions, incentives and rewards based on their real-time needs.

## Screen for Chronic Disease Risks

Empower employees and wellness program members to understand their risks for leading chronic diseases, such as hypertension, diabetes, and heart disease, using our new risk indicators. Use this data to enhance prevention, create personalized wellness plans, and guide members toward a healthier future.

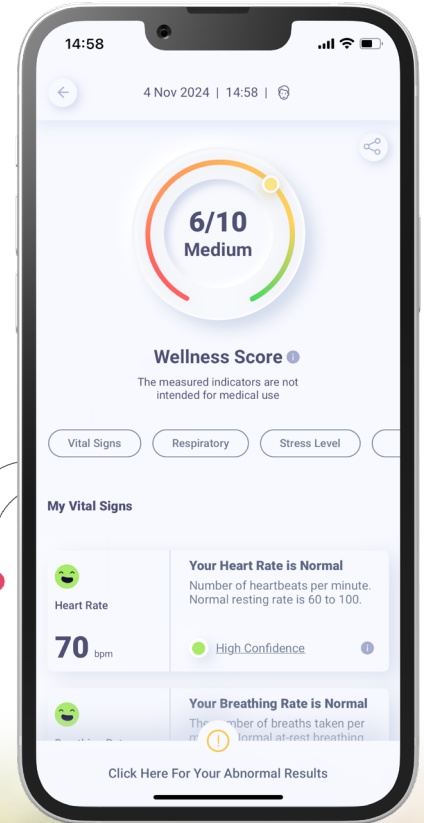
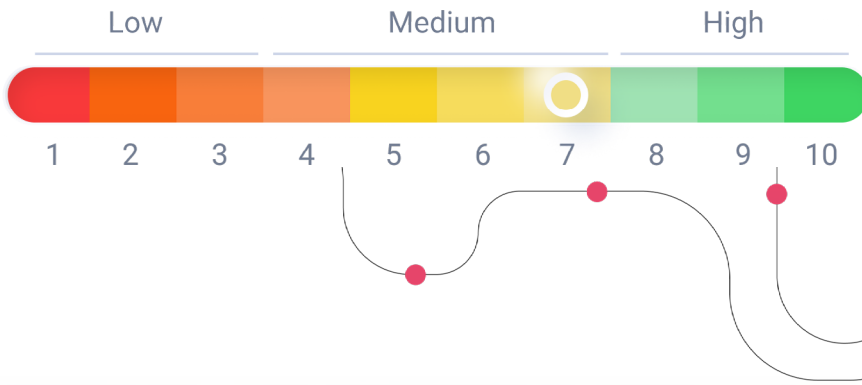
## Demonstrate Data-Driven Credibility

Easily prove your program's efficacy with objective data, allowing the numbers to articulate the progress of your participants and success of your program. Facilitate progress for participants with clear, measurable goals, and empower them to stay committed to their wellness journey by seeing the fruits of their success and feeling motivated to achieve new goals.



## Binah Wellness Score

Enable participants to stay engaged and motivated on their wellness journeys with a personal, real time wellness score. In just 60 seconds, end users can get a score that reflects their general wellness and use it to guide their program adjustments and activities. The Binah.ai Wellness Score is based on the health and wellness indicators measured by Binah.ai.



## Support Mental Health with Effective Stress Management

While stress can be beneficial, chronic stress can take a toll on the body and lead to several health issues. Continuous strain on the body due to stress can contribute to serious health problems and mental disorders, including heart disease, high blood pressure, diabetes, depression and anxiety. 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, participants 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

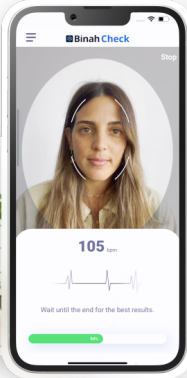
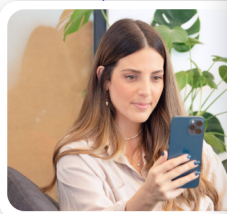
Binah.ai is delivered to organizations as a Software Development Kit, Binah SDK. It harnesses a unique technological mix of signal processing, advanced AI, and a proprietary set of algorithms developed and perfected in-house over nearly a decade to conduct health and wellness checks. The health and wellness 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. Delivering consistent, high-quality results in under a minute, Binah.ai's technology supports all Fitzpatrick scale skin tones and is agnostic to sex.

## Spot Checks

With Binah.ai SDK (Software Development Kit), organizations can empower anyone to take a health check in 35 to 60 seconds by simply looking at the camera of their personal mobile device.

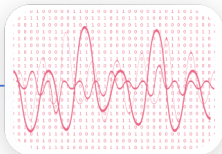
### Contactless Spot Checks Using Devices' Camera

The user taps the start button in the app and begins recording a 35-60 second selfie video.



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

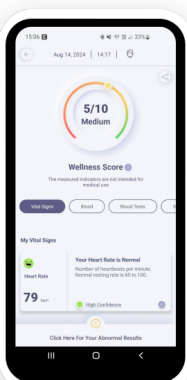
The rPPG signal is processed in real time to remove noise and optimize the signal-to-noise ratio (SNR).



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

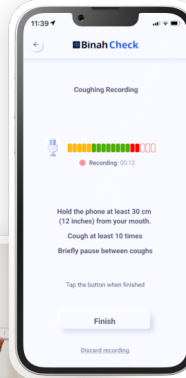


Once the analysis is complete, the video recording stops, and the final results are displayed on the user's device. No images are saved, and Binah.ai does not have access to the data or results.



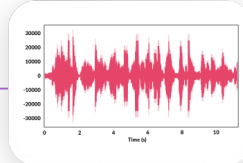
### Contactless Cough Analysis Using Devices' Microphone

The user coughs into their device's microphone around 10 times, receiving real-time feedback on the cough audio volume to ensure recording quality.

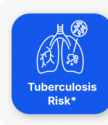


Once recorded, the audio is uploaded to the cloud for processing.

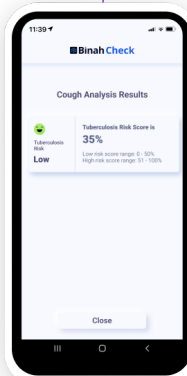
Our advanced signal processing algorithms filter out background noise and isolate each cough as a separate sample.



AI is then used to analyze the cough patterns, comparing them with spectrograms of tuberculosis (TB) patients.



The results are sent to the application via the SDK. Binah.ai has no access to the data or results.

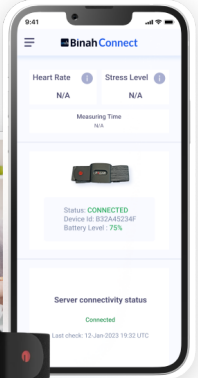


## Continuous Checks

For situations requiring continuous monitoring, Binah.ai integrates with the Polar Verity Sense™ optical heart rate sensor, enabling seamless health data collection and fall detection.

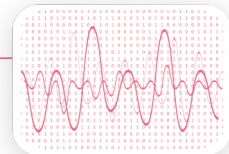
### Contact-based, Continuous Checks Using Wearables

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®.

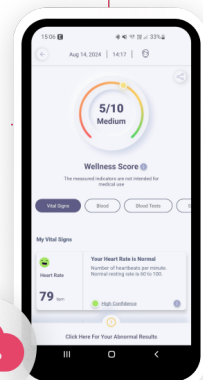
The PPG signal is processed to filter out noise and enhance the signal-to-noise ratio (SNR).



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



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 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 labs and by independent third parties.

### Unique Edge Architecture

Leveraging edge computing, Binah.ai's solution operates 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.**

### Exclusive Spot and Continuous Checks

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

### 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 (SaaS) regulatory approval process through the FDA (USA) and additional bodies.

### DEI and Universal Accessibility

Our technology is designed to be inclusive, unaffected by gender, skin tone, or location, ensuring equal access to all and empowering insurers to reach wider populations, including those in remote locations.

### Broad Compatibility

Binah.ai's solutions are compatible with smartphones and tablets, allowing your customers to conveniently access health and wellness checks using devices they already possess.

### Proven Technology

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

## Optimal Delivery for Seamless Integration

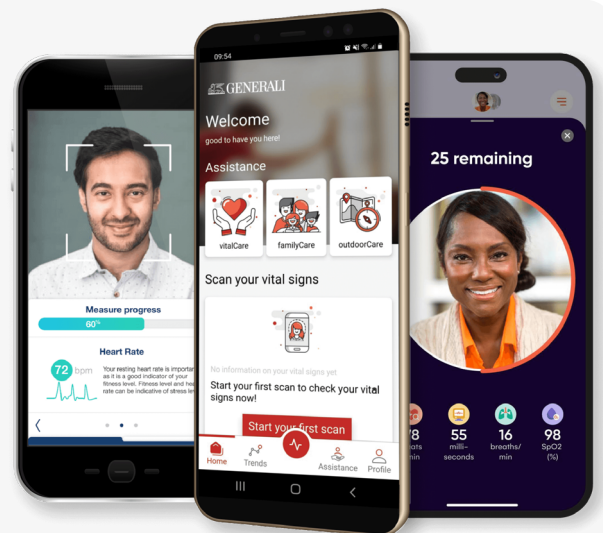
Our technology is provided as an easy-to-integrate SDK (Software Development Kit), complete with comprehensive documentation, reference applications, and continuous support from our customer success team, available to assist with your needs at any time.

### Binah SDK (Software Development Kit)

- Supports: iPhone 8 and up and iPad 6th Gen and all iPad models released afterward with iOS 16.7 and up; Android 8.1 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

- Polar Verity Sense™ optical heart rate sensor



Examples of applications Powered by Binah.ai

## Support Wellness Journeys with Binah.ai

Wellness Program Path	Binah.ai's Support at Every Step of the Way
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 and subject's achievements
Maintenance	Maintain healthy lifestyle through consistent monitoring and remote follow-up

## Wellness Use Cases We Empower

Numerous industries can help members, customers, and employees improve their health and wellbeing through spot or continuous health and wellness checks.



### Corporate Wellness and Employee Safety

- Create a resilient and invigorating work culture by empowering employees to achieve long-term wellbeing
- Reduce absenteeism by enabling employees to check their health status from wherever they are
- Alleviate stress for remote or home-based employees
- Lower employer health insurance costs and reduce the need for in-person screenings
- Enhance employee safety and reduce fall-related injuries and costs with fall detection and support their needs



### Insurance Wellness Programs

- Boost engagement in wellness programs with gamified, measurable tasks and wellness goals
- Reduce operational costs by minimizing in-person evaluations and health assessments
- Enhance risk assessment with chronic disease risk screenings and objective, real-time health data
- Extend outreach of wellness programs to any location
- Enable members to measure and track their wellness during various activities, including sleep, work, and travel



### Consumer Wellness (Retail, Consumer Electronics, Automotive and more)

- Reward your consumers with a wellness monitoring solution
- Improve customer satisfaction and personalize user experience with added benefits
- Allow customers to take a health scan before accessing your facilities
- Enhance wellness partnerships to generate customer loyalty



### Personal Wellness Program Providers

- Track progress using real-time health data
- Increase engagement by setting measurable goals, enabling participants to monitor results and receive rewards for improvement
- Reduce customer churn by demonstrating the efficacy of your wellness programs on the customer's overall health with comprehensive vital signs measurements, including blood pressure, heart rate, and stress levels



### Wellness Monitoring for the Elderly

- Support independence of elderly patients with remote wellness monitoring
- Provide caretakers with tools for at-home spot checks or continuous wellness measurements
- Keep elderly patients and family members informed and at ease with real-time updates
- Enable prompt assistance and reduce fall-related injuries with fall detection
- Minimize unnecessary travel to health clinics



### Wellness Monitoring for Healthcare

- Augment telehealth and preventive care with remote wellness monitoring
- Remotely monitor chronic illness and allow patients to recover from home
- Seamlessly integrate patient wellness data into EMRs
- Enhance patient triage with 35-60 second health and wellness checks
- Reduce fall-related injuries and costs, enable faster intervention and improve patient outcomes with fall detection



## Health Checks Anywhere

Binah.ai offers the #1 software for health and wellness checks, turning smartphones and other camera-equipped devices into health monitoring tools. Empowering healthcare, insurance, and wellness industries, Binah.ai allows users worldwide to self-monitor and share a comprehensive range of health indicators, including non-invasive bloodless tests. 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](https://www.binah.ai) or contact us at [info@binah.ai](mailto:info@binah.ai)

### Selected Industries We Empower



### Selected Partners



### Selected Customers



### Certifications



### Selected Market Recognition

