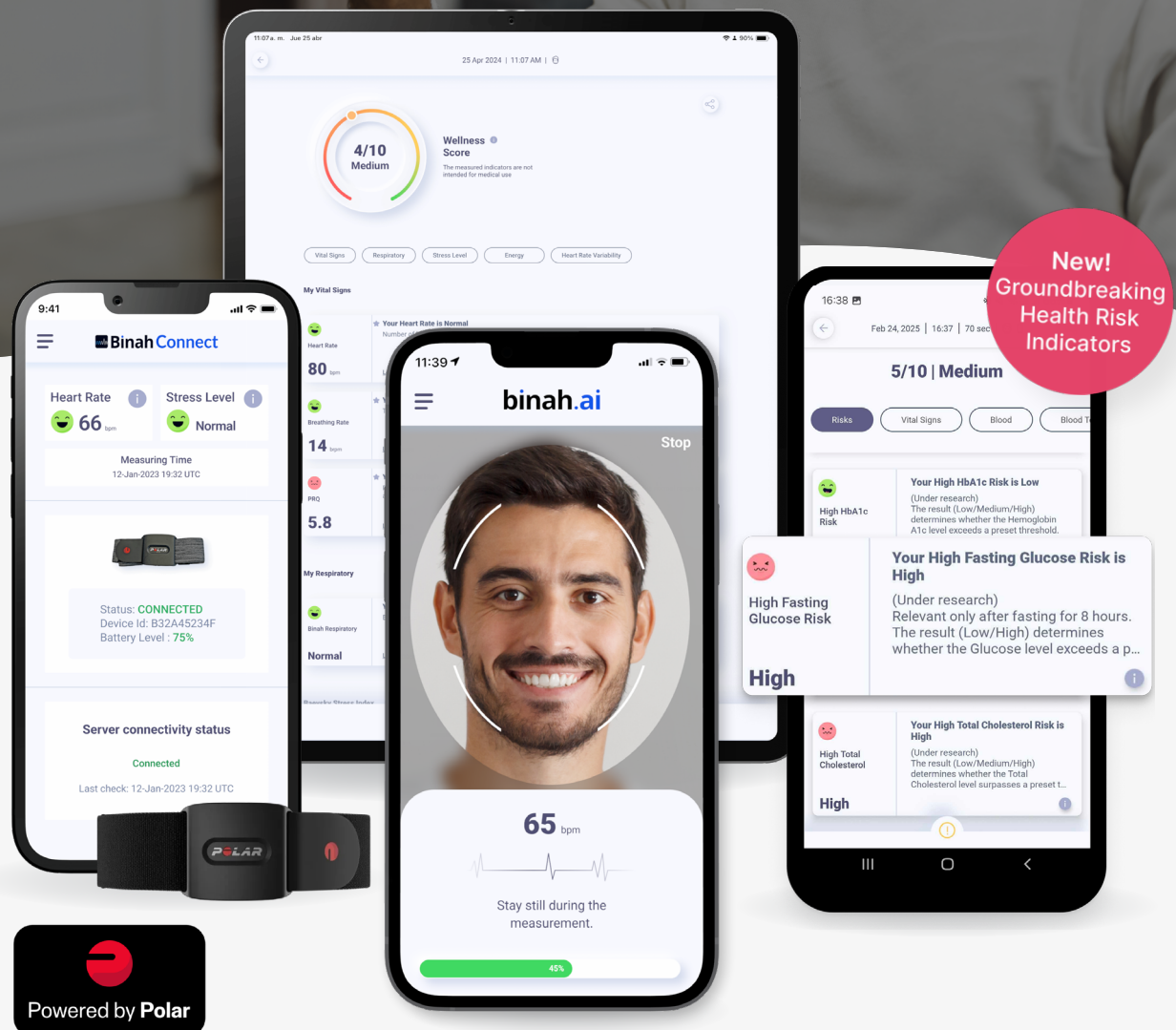


Binah.ai The #1 Health and Wellness Check Software



**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.

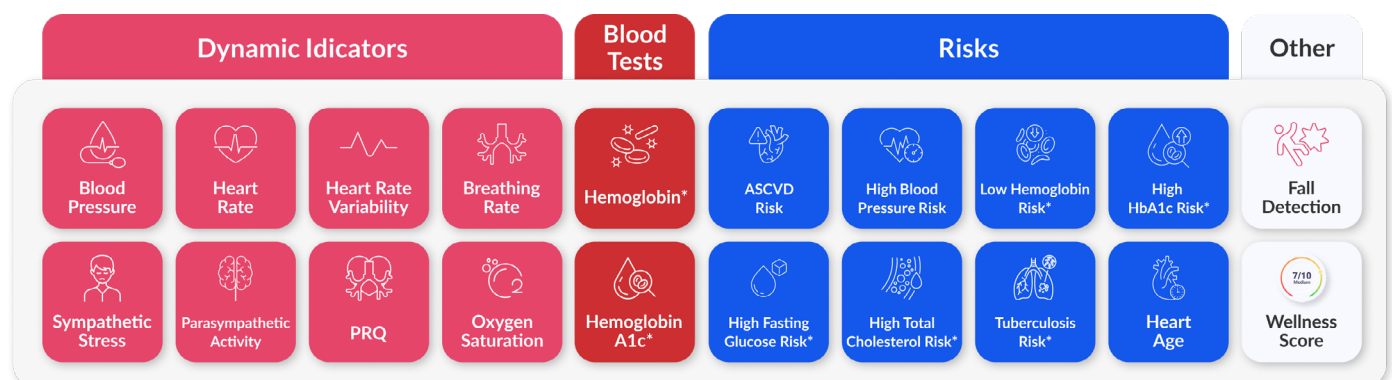
[Source: https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases](https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases)

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, tuberculosis, chronic stress, and more.

Health and Wellness Indicators You Can Measure with Binah.ai's Technology



*Under research

How Binah.ai's Technology Works

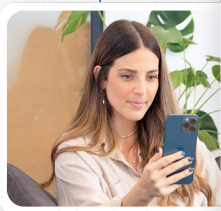
Our technology harnesses a unique technological mix of signal processing, advanced AI, and a proprietary set of algorithms developed and perfected in-house over nearly a decade to conduct health and wellness checks. The health and wellness indicators are measured using photoplethysmography (PPG), a well-established, non-invasive optical technique used for measuring physiological health parameters. Stress levels are calculated using the Baevisky 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.

Spot Checks

Empower anyone to take a health check in 35 to 60 seconds by simply looking at the camera of a camera-equipped device like a smartphone, tablet, or kiosk. Binah.ai's video-based spot checks are designed to be taken after resting for two to five minutes to stabilize vitals.

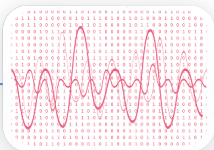
Contactless Spot Checks Using Devices' Camera

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

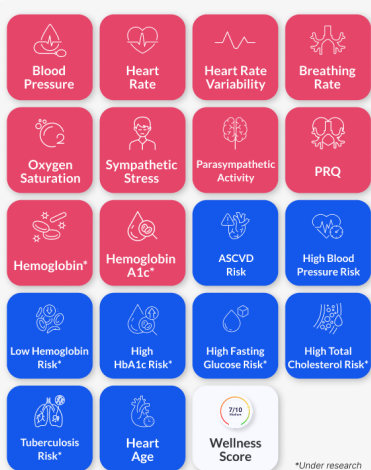


While the video is recording, Binah.ai generates a remote photoplethysmography (rPPG) signal from the live video.

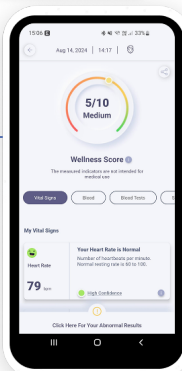
The rPPG signal is processed in real time to remove noise and optimize the signal-to-noise ratio (SNR).



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



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.



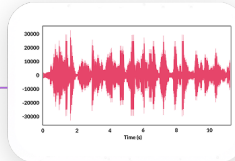
Contactless Cough Analysis Using Devices' Microphone

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

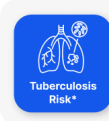


Once recorded, the audio is uploaded to the cloud for processing.

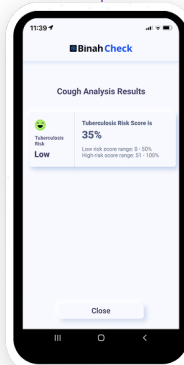
Our advanced signal processing algorithms filter out background noise and isolate each cough as a separate sample.



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.



*Under research

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.

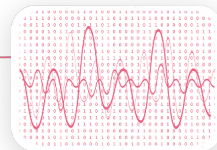
Contact-based, Continuous Checks Using Wearables

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®.

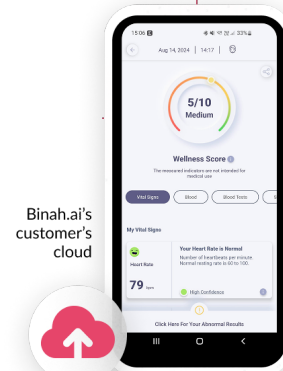
The PPG signal is processed to filter out noise and enhance the signal-to-noise ratio (SNR).



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, 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.

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.

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™

Selected Use Cases for Health and Wellness Indicators

Binah.ai's Health Data Platform unlocks a multitude of applications across diverse industries:

Insurance

Underwriting

Risk Management and Claims

Wellness Programs

KYC

Wellness

Corporate and Personal Wellness

Employee Safety

Wellness for Healthcare

Population Screening

Healthcare

Telemedicine and RPM

Chronic Disease Management

Home Hospitals

Preventive Care

Pharma

Clinical Trials

Patient Recruitment

Medication Adherence

Personalized Medicine



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



Endnotes

- <https://www.who.int/data/gho/data/themes/topics/topic-details/GHO/ncd-mortality>
- <https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-cvds>