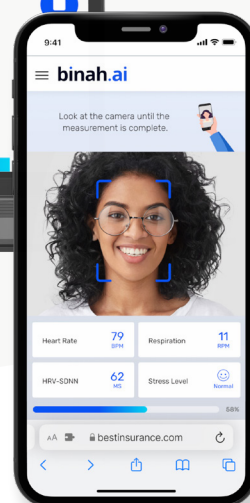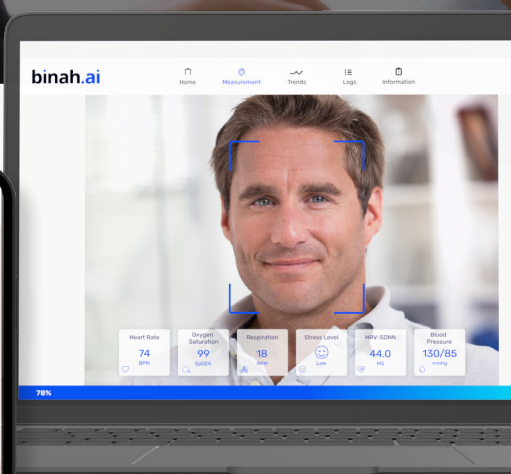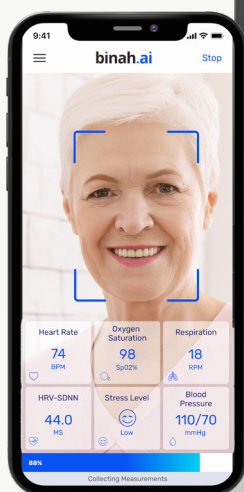# The New Way to Extract Health Data Is Software-based

## Making health data more accessible for better decisions at lower costs

Blood Pressure Monitoring Available Now!

AI-powered Video-based Health Data Monitoring

Transform Any Camera-equipped Device into a Health and Wellness Monitoring Tool

Binah.ai's award winning Health Data Platform offers healthcare providers an unparalleled advantage by transforming smartphones, tablets and laptops into health and wellness monitoring tools. Using Binah.ai's AI-powered, video-based, software-only solution, providers can remotely extract an extensive range of health measurements including blood pressure, heart rate, heart rate variability (HRV SDNN and RRI raw data), oxygen saturation, respiration rate, sympathetic stress, parasympathetic activity and pulse-respiration quotient (PRQ) with patient agreement.
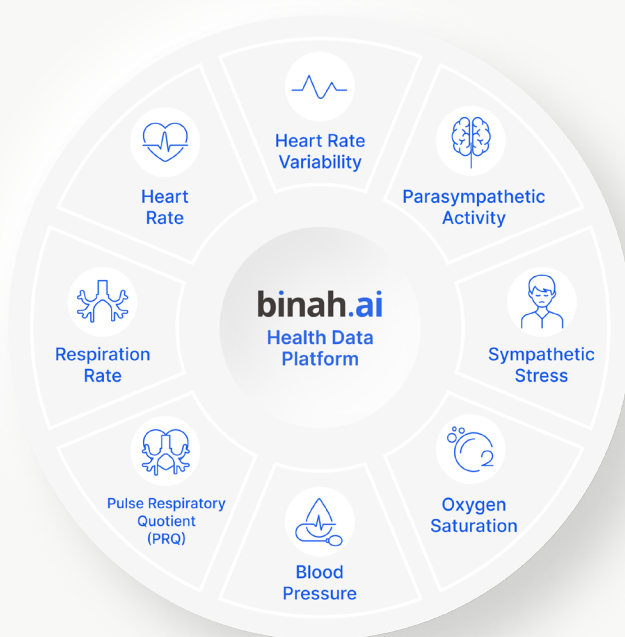
New! Blood Pressure Monitoring

You can now measure blood pressure, a leading risk factor for chronic diseases and health problems, using Binah.ai.
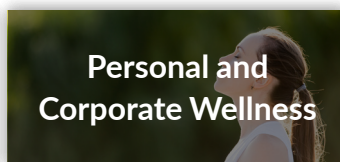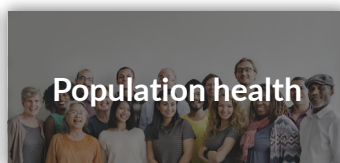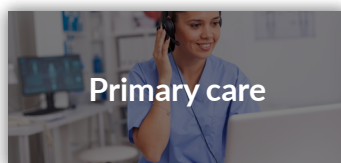
binah.ai
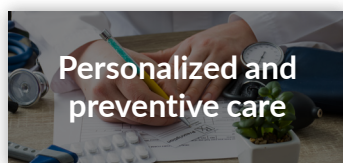Health Data Platform

- Heart Rate
- Heart Rate Variability
- Parasympathetic Activity
- Respiration Rate
- Sympathetic Stress
- Pulse Respiratory Quotient (PRQ)
- Oxygen Saturation
- Blood Pressure

Delivery

Binah SDK (Software Development Kit)
- **NEW! Web Application Support**: Binah SDK is now compatible with Safari and Google Chrome browsers. No app needed.
- Easily integrate Binah.ai's technology into your own app or infrastructure.
- Supports: iPhone (8 and up), iPad (6th Gen and all iPad models released afterwards); Android 8.1 mobile devices; Windows 10 laptops and desktops.

Binah Team - Ready-to-use Health and Wellness Monitoring Solution
- Includes a SaaS-based management platform and end-user application.
- Immediately available on a per-user model, no integration needed.
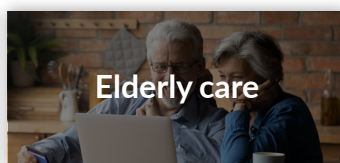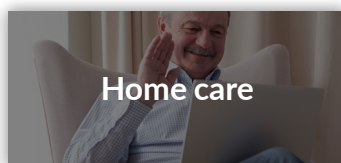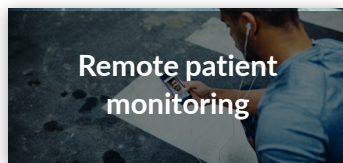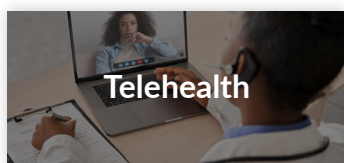- Available for: iPhone (8 and up) and Android smartphones, Windows 10 laptops and desktops.
- **NEW!** Binah Team is now available through web application clients. No app download needed.

Selected Use Cases for Healthcare, Pharma and Wellness

Telehealth	Remote patient monitoring	Home care	Elderly care
Patients triage	Personalized and preventive care	Primary care	Population health
Medication adherence	Virtual trials	Pharmacovigilance	Personal and Corporate Wellness
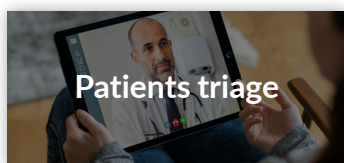
Benefits for Healthcare Providers

- Eliminate the need for wearables and other dedicated hardware
- Seamlessly access digital, patient-provided, real-time health data, remotely or in person
- Reduce operational costs
- Free up time of care providers to increase quality of care
- Extend care outreach
- Empower decisions (CDSS) with real-time data
- Monitor health parameters intimately related to a broad spectrum of diseases, including cardiovascular and respiratory
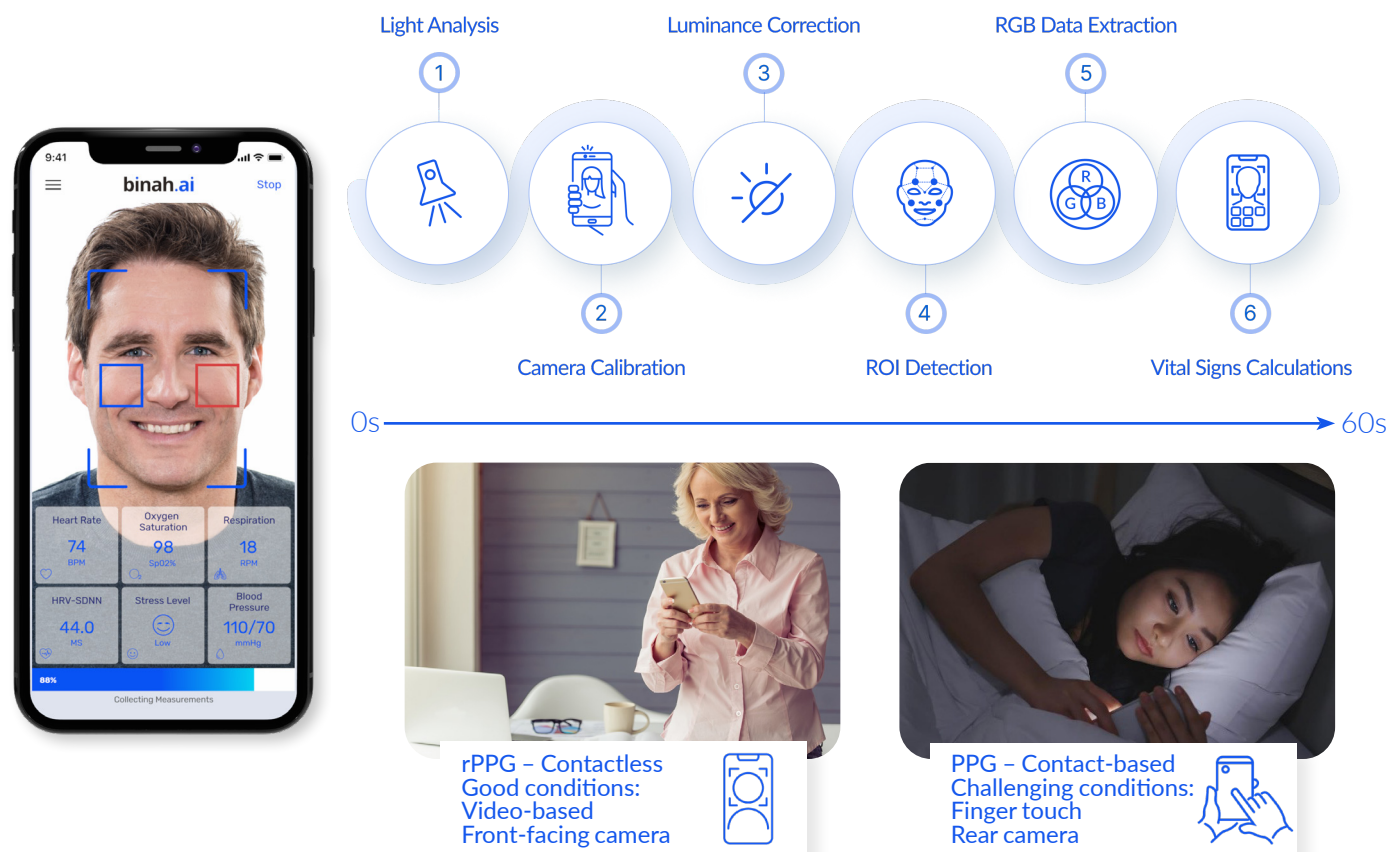
Benefits for Patients

- Self-monitor health with extraordinary ease
- Monitor health status to increase treatment and medication adherence
- Reduce travel and time in crowded waiting rooms
- Track history and trends
- No need to purchase or adapt to new hardware

No need for wearables

How Binah.ai's Technology Works

Binah.ai uses a unique mix of signal processing and AI technologies to extract and analyze a video signal taken from exposed skin on the surface of a human face. Delivering consistent results in under one minute, Binah.ai's technology is agnostic to skin color and gender. Binah.ai offers two methods to extract health measurements: contactless and contact-based. The contactless extraction is based on a remote photoplethysmography (rPPG) signal, and the contact-based extraction, which may be done by placing a finger on the smartphone's rear camera, is based on a PPG signal. Binah.ai's stress measurements are calculated based on the Baevsky Stress Index.

1. Light Analysis
2. Camera Calibration
3. Luminance Correction
4. ROI Detection
5. RGB Data Extraction
6. Vital Signs Calculations

0s ――――――――――――――――――→ 60s

rPPG – Contactless
Good conditions:
Video-based
Front-facing camera

PPG – Contact-based
Challenging conditions:
Finger touch
Rear camera

Health. Care. Anywhere.

Binah.ai's software-only, video-based Health Data platform is the next stage in the evolution of health and wellness monitoring. By eliminating the need for wearables and dedicated hardware devices and transforming smartphones, tablets and laptops into health and wellness monitoring tools, Binah.ai is enabling healthcare, insurance and wellness industries worldwide to access an extensive range of health measurements (blood pressure, heart rate, heart rate variability (HRV SDNN and/or RRI raw data), oxygen saturation, respiration rate, sympathetic stress, parasympathetic activity and pulse-respiration quotient (PRQ) just by having users look into their device's camera. Delivering on its vision and mission to support Health.Care.Anyhwere, 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

| Insurance | Wellness | Digital Healthcare | Automotive | Consumer Electronics | Mobile |

Selected Customers

SOMPO ホールディングス   GENERALI   momentum

Recent Market Recognition

| CES Innovation Awards 2022 | CES Innovation Awards 2020 | UCSF Health Awards 2021 | DOMAIN CHAMPION NTT Data 10th Open Innovation International Contest 2020 | GRAND CHAMPION NTT Data 10th Open Innovation International Contest 2020 | Gartner Cool Vendor in AI Core Technologies 2019 |

Why Binah.ai?

Always Available
May run locally on the device, without internet connection.

Seamless Integration
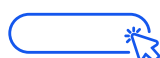Delivered as an easy-to-integrate SDK or ready-to-use app.

Easy to use
Fast, easy, contactless. Health measurements are extracted in under a minute.

For All
Agnostic to age, gender and skin color.

Web Application Support
Compatible with Safari and Google Chrome. No app needed.

Proven
In use with tens of millions of end-users in the insurance, healthcare and wellness industries.

Accessible
No wearables needed. Available on smartphones, tablets and laptops.

No Privacy Concerns
Binah.ai does not save images or video streams. Final measurement results are secured and encrypted.