



Powered by Skillcare Limited

Health AI in Longevity and Life

Revolutionising Vital Sign
Monitoring Through AI
and rPPG Technology





Executive Summary

HaiLL (Health AI in Longevity and Life) is an AI-powered, camera-based solution that reimagines how vital signs are monitored, with no wearables, wires, or clinic visits required. By turning everyday smart devices into non-invasive health companions, HaiLL empowers individuals and healthcare systems to shift from reactive treatment to proactive, continuous care.

Through its unique combination of remote Photoplethysmography (rPPG) scanning, predictive analytics, and a human-like virtual assistant, HaiLL enables real-time monitoring of physiological signals like heart rate, blood pressure, and oxygen levels. It delivers timely, personalised information to users while supporting clinicians and reducing healthcare burdens.

HaiLL's modular platform is designed for scalability and integration across multiple sectors, including healthcare, insurance, wellness, caregiving, and telehealth. With alignment to clinical and regulatory standards, it offers a secure, empathetic, and inclusive approach to health engagement, which is accessible to all, from anywhere.

Now ready for pilot deployment, live demonstrations, strategic partnerships, and research knowledge exchange, HaiLL invites collaboration to advance the future of intelligent, people-centered digital health.



Problem Statement

Increased Healthcare Strain and Missed Early Warning Signs

Healthcare systems around the world are under increasing pressure from the rising burden of chronic diseases, including hypertension, cardiovascular disease, and diabetes, combined with aging populations and limited frontline resources.

Despite increased awareness, **early warning signs are frequently undetected** due to a lack of accessible, non-invasive, and continuous monitoring tools. Traditional healthcare approaches continue to be reactive and focused on clinic environments, depending more on occasional check-ups than on proactive, daily health insights.

This problem is particularly dangerous for **vulnerable groups**, including:

- **Older adults living alone.** In England and Wales, 3.3 million individuals aged 65 and over live alone, representing 30.1% of this age group (Office for National Statistics, 2021).
- **People with limited digital or health literacy.** Approximately, 15% of UK adults (7.9 million individuals) lack the essential digital skills required for everyday life (LLOYDS BANK, 2024). In addition, an estimated 43% of adults in England struggle with low health literacy (NHS England, 2025).
- **Underserved communities without regular access to care.** In a 2024 survey, 42% of individuals who were "really struggling" financially reported difficulty accessing GP services, compared to 21% of those who were "very comfortable" financially (Healthwatch England, 2025).

These populations experience barriers in affordability, usability, and trust, which lead to delayed diagnoses, increased hospitalisations, and higher long-term costs for patients, healthcare providers and insurers.

To meet the demands of modern health management, scalable and innovative solutions that work outside of traditional settings are required to empower people to understand their health before problems escalate.



The HaiLL Solution

Camera-Based Health Monitoring Driven by AI and Virtual Support

HaiLL transforms any smart device into a non-invasive health companion, using the camera to monitor vital signs in real time. At its core is a powerful combination of AI, predictive analytics, and virtual clinical support, designed to shift care from clinics to wherever people are.



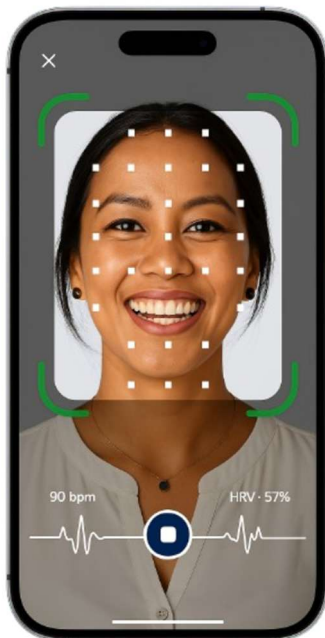
HaiLL is not just a product. It is a health engagement revolution, empowering people and systems to move from reactive treatment to effective prevention, right from the palm of your hand.



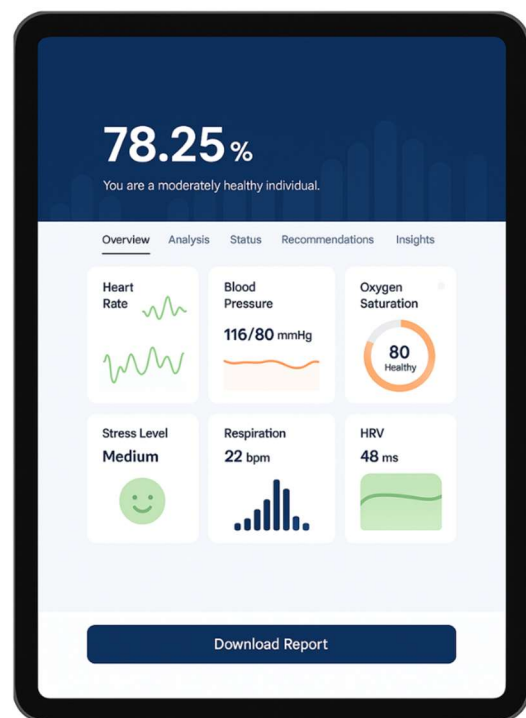
Real-Time Health Interfaces

Designed for Everyday Use

HaiLL's user interfaces are designed to be intuitive, non-intrusive, and accessible to all, whether it's used at home, on-the-go, or in clinical support settings. Each layout is tailored to promote engagement, increase adherence, and decision-making without overwhelming the user.



HaiLL Mobile View



HaiLL IPAD Interface

The mobile view offers a friendly, daily health companion for personal use, while the iPad dashboard provides a larger format for users or carers to track trends, compare metrics over time, or download reports to share with healthcare professionals.

HaiLL empowers individuals with meaningful health insights by translating everyday devices into proactive monitoring allies, which ensure equitable access to clear, actionable data that simplifies complex health information as part of daily life



Value Proposition

Transforming Health Engagement: Scalable. Smart. Human-Centered.

HaiLL adds value across the healthcare domain by empowering individuals, supporting healthcare professionals, and reducing system costs. Whether you are in healthcare, insurance, wellness, caregiving, or a government agency, HaiLL provides scalable, smart, and human-centered health engagement.

FOR INDIVIDUALS



- Empowers people to take control of their health from home
- Removes barriers like cost, discomfort, and complexity
- Delivers timely insights without the need for invasive tools or wearables

FOR HEALTHCARE PROFESSIONALS



- Facilitates early diagnosis and ongoing remote monitoring of patients
- Reduces preventable hospitalisations and readmissions
- Expands care delivery capacity without requiring additional facilities

FOR INSURERS AND EMPLOYERS



- Drives cost savings through preventative care and reduced claims
- Boosts employee engagement and wellbeing with integrated tools
- Enables data-driven population health insights for better policy design

FOR GLOBAL HEALTH SYSTEMS



- Adaptable across regions, languages, and device types
- Reaches underserved populations with user-friendly, inclusive technology
- Supports digital transformation goals without major system changes

HaiLL is not just about technology. It is about building healthier futures through meaningful, measurable, and inclusive innovation.



Competitive Advantage

Built for Impact. Ready to Scale.

HaiLL offers a **contactless and scalable solution**, which works across smartphones and web platforms with no wearables required. Through its **human-like avatar interface**, it builds trust, improves adherence, and promotes accessibility for underserved users.

HaiLL converts real-time physiological data into meaningful risk alerts using **AI-powered predictive analytics**. Its infrastructure ensures safe, secure deployment across regions by adhering to **HIPAA, GDPR, and clinical usability standards**.

In contrast to single-use apps, HaiLL is **designed for multi-sector integration**, serving healthcare, insurance, wellness, beauty, telemedicine, and caregiving with flexible, white label ready modules.

HaiLL is designed not just to compete, but to lead the future of proactive, digital-first health engagement.

Call for Action

HaiLL is now ready to move beyond development and into the hands of those who can benefit most. We invite collaborators, partners, and pioneers in health, wellness, and digital innovation to join us on the next phase of our journey.

Whether you're a healthcare provider, research institution, insurer, telehealth platform, or public health body, we welcome:

- **Strategic partnerships** to create, scale, and customise HaiLL together for diverse care ecosystems and geographic settings.
- **Pilot demonstrations** to apply HaiLL in real-world settings to validate impact, usability, and scalability across sectors.
- **Knowledge exchange and research collaboration** to explore data insights, user engagement outcomes, and the broader implications of camera-based health monitoring.



References

- Healthwatch England (2025). *Front and centre: Our annual report 2023 – 2024*. https://www.healthwatch.co.uk/sites/healthwatch.co.uk/files/20240107%20Final%20designed%20report%20for%20website_0.pdf
- LLOYDS BANK (2024). *UK Consumer Digital Index*. https://www.lloydsbank.com/assets/media/pdfs/banking_with_us/whats-happening/lb-consumer-digital-index-2024-report.pdf
- NHS England (2025). *Tackling digital exclusion and health literacy: How libraries can help bridge the gap*. <https://www.england.nhs.uk/blog/tackling-digital-exclusion-and-health-literacy-how-libraries-can-help-bridge-the-gap/>
- Office for National Statistics (2021). *Profile of the older population living in England and Wales in 2021 and changes since 2011*. <https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/ageing/articles/profileoftheolderpopulationlivinginenglandandwalesin2021andchangessince2011/2023-04-03>