Sleep.ai Raises $5.3M as Real-World Sleep Data Surpasses 1.1B Hours, German Reimbursed Programs Cross 25K Participants

Device-agnostic platform now works with data from approximately 800 wearables; Sleep.ai has published its 104th scientific paper; demo at HLTH USA, booth 842-10

CARLSBAD, CA, UNITED STATES, November 11, 2026 /EINPresswire.com/ -- Sleep.ai, the sleep intelligence platform that turns data from phones and wearables into personalized guidance and better health outcomes, today announced $5.3 million in new funding as momentum builds across its data, science and reimbursed prevention programs. The company has now collected and analyzed more than 1.1 billion hours of real-world sleep data with over 200 billion data points measured longitudinally night after night from home.

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>
> *Colin Lawlor, Founder & CEO of Sleep.ai*

Analysis of Sleep.ai’s real-world sleep data reveals a critical market challenge: significant device variability across consumer wearables. When measuring identical sleep, wearable platforms show typical gaps of 57 to 89 minutes, depending on the brand. Sleep.ai’s data-source agnostic platform solves this by normalizing readings across different device types, ensuring enterprises embedding sleep scoring can deliver consistent, trustworthy insights regardless of which wearable(s) their users choose.

Sleep.ai addresses this challenge through programs like Dein Schlaf (“Your Sleep”), the world’s first nationally reimbursed sleep prevention program: anyone in Germany with statutory health insurance, about 74 million people, can join, with no prescription needed. The program is ZPP-certified, backed by a peer-reviewed randomized controlled trial, and offered with leading statutory health insurers including BARMER, AOK Niedersachsen, IKK Brandenburg und Berlin and BERGISCHE Krankenkasse. The program has already enrolled 25,000 participants this year.

In Germany, two in three Dein Schlaf users who tracked their sleep for 36 nights improved on at least two objective sleep measures compared with their own first week. Those users slept about half an hour longer per night and improved sleep quality, and more than half showed progress by night 14, and nine in ten by night 28. According to Dr. Frederike Escher-Brecht, Head of Digital

Product Development at BARMER, one of Germany's largest statutory health insurers: "With the Dein Schlaf app, the foundation isn't general advice but individually measured data. That sets the app apart in the prevention market. Because every recommendation is based on actually measured sleep data, the program works where general tips fall flat."

Sleep.ai's platform combines smartphone-based measurements, including sonar that records no audio, with data from just under 800 wearables. It can recognize patterns indicative of sleep disorder risk such as sleep apnea and other serious health conditions. Partners embed it through APIs and SDKs, so their users get guidance whether or not they own a wearable. Sleep.ai's 104th scientific publication, presented at the European Sleep Research Society's Sleep Europe 2026 congress in October, examined the use of limited questionnaire data to screen for obstructive sleep apnea, further validating the platform's ability to identify serious health conditions from real-world sleep data.

Sleep.ai's investment round was led by Treasure Coast Ventures, with participation from the Harvard Business School Alumni Angels of Greater NY and other investors. It will fund new partner integrations, expansion in Germany and other markets, and Sleep.ai's AI predictive health models.

"We backed Sleep.ai because few companies have this depth of sleep data and science, and fewer still have turned it into a program that insurers and other organizations are happy to pay for," said Robert Padulo, Ph.D., Managing Partner, Treasure Coast Ventures. "It is also a platform that isn't tied to any one device. It works across phones and nearly 800 wearables, so its reach isn't limited by how much hardware any one company can sell. That is what makes it scalable."

"Sleep is where better health starts," said Colin Lawlor, Founder & CEO of Sleep.ai. "When people sleep better, it shows up in their heart health, their weight, their mood and how well they manage chronic conditions. We leverage data and science, empowering organizations to integrate better sleep with the devices and apps those consumers already use, and we measure the difference. This funding helps us bring that to more partners and all the people they serve."

At HLTH USA 2026, November 15–18 in Las Vegas, Sleep.ai will demonstrate how partners can add sleep intelligence to their products, including for users without a wearable. Please visit the Sleep.ai team at booth 842-10.

About Sleep.ai
Sleep.ai is the global leader in AI-powered sleep intelligence and digital health innovation. Built upon a clinical foundation of over 1 billion hours of real-world sleep data and 250+ intervention studies, the company delivers institutional-grade sleep tracking, B2B APIs, and product validation software to leading global brands. Designed for maximum scalability, Sleep.ai operates a purely device-agnostic platform. It seamlessly aggregates biometrics from a consumer's existing wearables while utilizing its patented Sleep Sense software to turn everyday smartphone signals into contactless passive and sonar sleep-tracking systems, meaning that reliable sleep data is

available for everyone, every night, even without a dedicated hardware device. Formerly known for its consumer-facing SleepScore Labs ecosystem and expanding Research & Development services, Sleep.ai consolidates its technology into a single, software-as-a-service (SaaS) intelligence engine that cuts through hardware fragmentation to unlock better health, performance, and quality of life across the global sleep economy. Learn more at Sleep.ai.

Zoltan Roemer
Impact Partners
+1 973-714-9302
Zoltan@impactpartners.llc

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