

**Category**

Best Digital Health Solution

**General Information****Company Name \***

Red Horizon Technologies

**Number of employees \***

1-10

**Turnover and/or Funding**

Renew360 operates as a decentralized digital health company rooted in efficiency and precision, modeled in part after organizations like Telegram. Rather than relying on a traditional corporate hierarchy, Renew360 uses a modular structure made up of highly skilled contributors-engineers, clinicians, AI scientists, product strategists, and marketing experts-who operate autonomously but in coordinated sprints, bringing lean, innovation-driven execution to the healthcare space. This structure allows Renew360 to avoid the bloat and overhead common to legacy health tech startups, keeping the team agile and focused on delivering real-world impact.

To date, the project has been self-funded through early contributors and strategic advisors, with no institutional funding accepted during its pre-launch R&D and prototyping phase. However, the platform is now entering a critical growth stage with active funding efforts underway. Renew360 is preparing for a \$3-5 million seed round to scale the platform's biometric AI infrastructure, accelerate user acquisition, and expand Project X-its proprietary synthetic patient simulation initiative. This round will also support regulatory groundwork, clinical validation efforts, and ecosystem partnerships with health systems, employers, and research institutions.

Pre-seed development costs were kept under \$750,000, with the core platform, mobile app, and AI engine developed in-house or through vetted collaborators. Early growth has been organic, driven by community referrals, clinician interest, and word-of-mouth from early adopters in wellness and performance circles.

Revenue generation is expected from several synergistic channels:

1. Subscription Model - Premium users pay for advanced features including AI health coaching, biometric insights, and wellness tracking (already integrated into the Renew360 app).
2. Provider Licenses - Clinics, coaches, and corporate wellness programs will license the platform to manage populations and gain access to the AI clinician dashboard.
3. Data Analytics - De-identified biometric and behavioral datasets will offer longitudinal value to research institutions, pharma companies, and AI developers.
4. Marketplace Revenue - The upcoming Health Marketplace and dApp integrations will enable decentralized commerce, powered by crypto and token incentives.

Unlike traditional digital health companies, Renew360 is not tied to insurance reimbursement or fee-for-service models. Instead, it operates on a direct-to-consumer and platform-as-a-service model that ensures scalability without administrative friction. The decentralized corporate structure allows Renew360 to operate efficiently across global time zones, tap into emerging AI and biofeedback talent pools, and grow without requiring centralized office overhead.

In terms of projected turnover, Year 1 revenue is estimated between \$1.5-2M, scaling to \$8-10M by Year 3 through combined subscription growth and enterprise licensing. Growth will be driven by viral loops embedded in the app, physician-led adoption, strategic B2B partnerships, and the novel use of synthetic patient simulations for enterprise clients.

This upcoming funding round will be used not just to accelerate user growth, but to deepen the Renew360 ecosystem-layering AI, wearables, behavioral science, and decentralized architecture into a single adaptive platform. Investors will be joining a project at the intersection of global health transformation and frontier AI.

words remaining :

25

**Product/Solution Name \***

Renew360

**Corporate Name \***

Red Horizon, LLC

**Date of Approval \***

2025-05-11

**Indications \***

Renew360 initially targets a set of preventable, lifestyle-driven chronic conditions that account for a significant portion of global morbidity, mortality, and healthcare spending. These include hypertension, obesity, and type 2 diabetes (non-insulin-dependent)-three interconnected conditions that form the backbone of the modern metabolic disease epidemic. The platform is designed to intervene early and continuously, using AI to identify deviations in health markers long before traditional systems might act.

Hypertension affects nearly half of all adults globally, yet most patients remain undiagnosed or poorly controlled. Renew360's AI models leverage continuous biometric inputs-blood pressure, heart rate, HRV, sodium markers, and sleep quality-to detect hypertensive trends in real time. Alerts and in-app interventions are deployed passively and non-invasively to guide users back into healthy ranges through behavioral adjustments, hydration cues, guided breathing, or dietary modifications. These micro-interventions are paired with longitudinal coaching, flagging high-risk users for AI clinician follow-up or human escalation.

Obesity, both in adults and increasingly in adolescents, serves as a gateway indication for numerous downstream conditions: cardiovascular disease, insulin resistance, orthopedic strain, and depression. Rather than viewing weight as a standalone metric, Renew360 incorporates multiple indicators of metabolic health—such as VO2 max, body fat percentage, lean mass, sleep debt, and caloric rhythm—to determine a true picture of health. Personalized health targets are generated daily and refined weekly by the AI engine, informed by evolving user behavior and biometric response.

Type 2 Diabetes (non-insulin-dependent) remains a major cause of blindness, kidney failure, and amputation, yet is often reversible in early stages. Renew360 supports users through real-time glucose tracking (when available), meal pattern analysis, and sleep-exercise-glucose modeling to help reverse pre-diabetic trends and stabilize HbA1c values. In addition, the platform actively monitors mood and stress variables, recognizing their crucial role in glycemic control. Through these mechanisms, Renew360 offers the potential to reverse diabetes trajectories without medication or, at minimum, minimize pharmacologic reliance.

Future pipeline indications include chronic stress, fatigue syndromes, pain conditions, sleep disturbances, and post-COVID cardiometabolic dysregulation, all of which benefit from wearable and behavioral inputs combined with real-time monitoring. Each of these indications will be layered in sequentially through the AI model's continued training and validation process.

Renew360's early focus on preventable diseases is not only clinically sound but strategically vital. These conditions affect large populations, generate massive costs, and are ideally suited for the proactive, data-rich, and behaviorally sensitive capabilities of AI. The platform's strength lies in its ability to detect health issues at the margins—before symptoms arise, before care is typically accessed, and before damage is done.

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### **Therapeutic Areas \***

Renew360 operates at the intersection of preventive medicine, chronic disease management, and digital therapeutics, creating a unique therapeutic category that blends clinical oversight with real-time AI-powered behavioral health interventions. Its core therapeutic areas are designed to shift healthcare upstream—focusing on modification, reversal, and prevention of disease rather than reactionary treatment.

The first therapeutic domain is cardiometabolic health, encompassing hypertension, metabolic syndrome, pre-diabetes, and early-stage cardiovascular disease. Renew360 delivers tailored micro-therapies based on 24/7 biometric analysis. These may include personalized breathwork protocols to regulate autonomic tone, dietary timing suggestions to modulate glycemic response, and postural change cues to minimize nocturnal hypertension. Through passive data collection and adaptive AI learning, Renew360 evolves with the user's health status, offering new interventions as conditions shift.

The second domain is weight optimization and physical performance enhancement. Traditional weight-loss programs lack integration with real-world data and offer generic advice. Renew360 tracks

VO2 max, caloric expenditure, sleep recovery, muscle mass retention, and hormone-related fluctuations in real time. Based on these metrics, the system tailors movement prompts, recovery strategies, and metabolic boosts-transforming the platform into a digital health coach with clinical-grade precision. For users focused on body composition, mobility, or strength goals, Renew360 becomes a trusted assistant, dynamically adjusting targets and strategies based on actual physiological response.

A third major therapeutic area is behavioral and mood regulation, where Renew360 integrates biometric inputs with mood and cognitive pattern recognition to identify early signs of stress, anxiety, depression, or burnout. Mood scores are tracked in tandem with sleep irregularities, social interaction patterns, and stress-linked physiology (e.g., HRV, resting HR). In response, the system can deliver therapeutic prompts-such as guided meditations, journaling protocols, or AI-generated affirmations-and escalate flagged cases for live telehealth or clinical evaluation when needed. This area is especially powerful for adolescents and professionals where emotional health often precedes physical health decline.

Looking ahead, Renew360 plans to introduce therapeutic tools targeting sleep optimization, pain modulation, and musculoskeletal recovery-using motion capture, wearable-integrated feedback, and proprietary pain trajectory modeling to guide users through post-injury or chronic pain scenarios. In these future domains, the AI functions similarly to a physical therapist, sleep specialist, or pain consultant-building out Renew360's ability to serve the user holistically.

What makes these therapeutic areas powerful is not just the breadth but the integration. The platform doesn't treat symptoms in isolation but recognizes the interplay of sleep, stress, metabolism, and movement in real-world health. Combined with synthetic patient training environments (via Project X), Renew360's AI model is continuously improving-ensuring interventions remain relevant, safe, and personalized.

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\*Kindly clearly label your files with company name and asset name.

Attached Files:

- [Beautifulai Renew360 AIPowered Precision Wellness Platform2.pdf](#)

### **Background information and need for drug / device**

**(please be as specific as possible in your description; limit 500 words)**

Chronic diseases such as hypertension, obesity, and type 2 diabetes are responsible for the majority of global morbidity, mortality, and healthcare costs. Despite decades of innovation in pharmaceuticals and medical devices, these conditions continue to rise-largely because the healthcare system remains reactive, fragmented, and disease-focused rather than proactive and health-optimized. Patients often seek care only after symptoms appear, by which time disease progression is already well underway. Meanwhile, the average clinical encounter lasts under 15 minutes and rarely incorporates longitudinal biometric or behavioral data that could reveal meaningful risk patterns.

Renew360 was developed to close this critical gap by creating a continuous, intelligent, and highly personalized system of care. Built by a team of physicians and health AI experts, Renew360 functions as a "digital therapeutic ecosystem" rather than a single device or drug. It collects real-time biometric data from wearable devices-such as heart rate variability, blood pressure, glucose trends, sleep scores, and body composition-and translates those signals into actionable insights, guidance, and alerts. The platform is supported by a proprietary AI engine that mirrors clinical thinking, providing triage, pattern recognition, behavior modification support, and predictive modeling.

The system is designed to empower users to take control of their health before they ever become patients. At the same time, Renew360 integrates with clinicians and care networks by allowing secure, patient-controlled data sharing-defragmenting medical records and enabling a more holistic view of health over time. Importantly, the platform is structured to be equitable and accessible: it requires only a smartphone and, optionally, a compatible wearable, removing traditional barriers to high-quality preventive care.

Renew360 also includes Project X, a simulation-based environment powered by synthetic patients and AI mid-level providers. These digital simulations accelerate learning and model thousands of healthcare interactions without putting real lives at risk. Through Project X, Renew360 can rapidly iterate on care protocols, improve its AI's decision-making, and test new biometric interventions-all while continuously evolving the standard of digital care.

There is no shortage of drugs or devices in the chronic disease space. What is lacking is a unifying, intelligent platform that makes early, personalized, and preventive care truly actionable at scale. Renew360 fills this void by functioning not just as a health tracker, but as a living clinical decision system-accessible 24/7, continuously learning, and rooted in real data.

The urgent global need for scalable, proactive, and non-invasive chronic disease management has never been greater. With Renew360, we move from crisis care to continuous care, from treatment to prevention, and from fragmented data to integrated health intelligence.

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### **History of the development of the solution/product \***

**(please be as specific as possible in your description; 500 words)**

The idea behind Renew360 was conceived as a super app that could integrate multiple aspects of a user's lifestyle into one cohesive platform. The key components of the vision were: fitness, social connectivity, and AI-driven automation. The app was intended to merge fitness tracking, social media, and personal well-being into a single experience, offering users the ability to track and optimize their health while engaging with friends, family, and the broader community.

The central concept was a user-centered platform that would evolve based on user behavior and preferences. By integrating AI to manage tasks and deliver personalized experiences, Renew360 AI was envisioned as the brain behind the app, making it more intuitive and responsive to user needs.

The social aspect of Renew360 was designed to enhance user engagement and motivation. Drawing inspiration from popular social media apps like Instagram, Threads, and X (formerly Twitter), the app would allow users to share their fitness achievements, challenge friends, and track each other's progress.

A key differentiator of Renew360 was the inclusion of Renew360 AI, which was designed to act as both a virtual assistant and an intelligent manager for the app's functionalities. The AI's ability to learn from user actions and optimize interactions over time was central to Renew360's ability to stay relevant and provide tailored solutions.

Figma was used extensively during the design phase to create the app's user interface (UI) and user experience (UX). The team worked to ensure the app's design was intuitive and easy to navigate, with a focus on seamless transitions between fitness tracking, social media features, and rewards systems.

Several rounds of user testing and feedback loops helped refine the app's features, ensuring that the experience was both functional and enjoyable. User feedback was integral in optimizing the design for real-world use, ensuring the app was responsive and intuitive on both mobile and desktop platforms.

Upon the initial launch, the focus was on gathering user feedback to further improve the app's features. Metrics like user retention, engagement rates, and active participation in fitness challenges were closely monitored. Over time, bug fixes, new features, and enhanced integrations were rolled out to improve the app's performance and meet user demands.

The development of Renew360 is ongoing, with future iterations focused on expanding the app's capabilities. Plans include:

- Enhancing AI-driven recommendations to make the system more proactive in suggesting activities, rewards, and social connections.
- Expanding the marketplace with more DApps, offering users additional ways to use their rewards and assets.
- Building out financial tools for better financial management, asset tracking, and investment opportunities within the app.
- Expanding the social features to include more community-driven content, events, and opportunities for user-generated challenges.

The app's development continues to be driven by the vision of creating a holistic, integrated platform that can adapt and evolve as technology and user needs change. The goal is to become the go-to app for users looking for an all-in-one solution to manage their personal health, wealth, and social interactions.

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\*Kindly clearly label your files with company name and asset name.

**Why this drug or device is innovative, the broad implications for future research, and/or how it will improve the human condition \***

Renew360 is an innovative digital health and lifestyle platform that redefines how individuals engage with their well-being by merging fitness tracking, social connectivity, and artificial intelligence into a

seamless, user-centric experience. Unlike traditional fitness or wellness apps, Renew360 creates a dynamic ecosystem where personal health data is transformed into meaningful actions, rewards, and social interaction, all governed by a powerful AI that continuously adapts to users' needs.

What sets Renew360 apart is its holistic, systems-based approach. The platform goes beyond passive data collection to actively incentivize healthy behaviors through real-time feedback, gamified challenges, and reward-based engagement. Users are motivated not only by physical results but by immediate benefits-such as earning points, social recognition, or exclusive access to wellness experiences-transforming health into a daily, rewarding journey. This blend of extrinsic and intrinsic motivation holds the potential to improve adherence to healthy routines more effectively than traditional health programs.

At the heart of Renew360 is an AI engine that learns from user behaviors, preferences, and biometric data to offer personalized insights and recommendations. This AI governance ensures that the platform can deliver timely, relevant suggestions for workouts, rest, or social interactions that support physical and mental well-being. It also creates a frictionless experience by automating tasks such as reminders, scheduling, and goal setting-empowering users to stay focused and consistent.

The broader implications for research and innovation are significant. Renew360 provides a real-world, longitudinal data collection environment, ideal for studying human behavior, biometric response to lifestyle interventions, and digital therapeutic engagement. Researchers could use anonymized data to better understand population health trends, identify early indicators of chronic disease, and evaluate the impact of social and behavioral factors on health outcomes. This opens new frontiers in preventive health, digital therapeutics, and personalized medicine.

In the long term, Renew360 has the potential to improve the human condition by democratizing access to proactive health tools, fostering healthier communities, and reducing the burden of preventable disease. It encourages a shift from reactive care to continuous wellness by meeting users where they are-on their smartphones-and aligning personal incentives with public health goals.

By combining cutting-edge technology, behavioral science, and user-friendly design, Renew360 does more than track progress; it empowers individuals to take ownership of their well-being in an engaging, sustainable way. Whether for the individual seeking motivation, the clinician monitoring long-term outcomes, or the researcher exploring new health interventions, Renew360 represents a meaningful step forward in how we live, connect, and thrive.

words remaining :

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### **Please provide appropriate references (PubMed, Abstract, Website) \***

#### **1. Lifestyle Modification Using a Wearable Biometric Ring and Guided Intervention**

Authors: Pevnick JM, Birkeland K, Searl MM, et al.

Published in: Frontiers in Physiology, 2021

DOI: 10.3389/fphys.2021.777874

Pages: Article 777874, approx. 12 pages

#### Summary:

This study evaluates the effectiveness of biometric feedback through wearable rings (like Oura) in promoting lifestyle changes. It highlights how pairing biometric data with coaching leads to improved sleep and activity behaviors, emphasizing the need for behaviorally informed feedback to drive long-term engagement and health outcomes.

Link: [Read Full Article](#)

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## 2. Unveiling Wearables: Exploring the Global Landscape of Biometric Applications

Authors: Jain AK, Kumar P, Singh A, et al.

Published in: BioData Mining, 2024

DOI: 10.1186/s13040-024-00368-y

Pages: 21 pages

#### Summary:

This paper explores how wearable technologies enable real-time monitoring of physical activity, sleep, stress, and chronic conditions. It also examines the role of machine learning in enhancing the predictive power of biometric data, with implications for preventive health and precision medicine.

Link: [Read Full Article](#)

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## 3. Efficacy of a Multimodal Digital Behavior Change Intervention

Authors: Majmundar A, Patel D, et al.

Published in: JMIR Research Protocols, 2024

DOI: 10.2196/50378

Pages: Article e50378, approx. 16 pages

#### Summary:

This randomized controlled trial evaluates a digital intervention combining biometric feedback, goal-setting, and behavioral coaching. The study found significant improvements in physical activity and self-reported well-being, supporting digital interventions for health optimization.

Link: [Read Full Article](#)

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## 4. When Workplace Wellness Programs Work: Lessons from a Large Employer

Authors: Wilkinson S, Patel C, Lee C, et al.

Published by: Houston Methodist, 2023

#### Summary:

This case study examines how a large employer implemented a workplace wellness program that integrated biometric screenings and personalized coaching. It resulted in reductions in blood pressure, BMI, and cholesterol, demonstrating real-world health improvements through behavioral health programs.

Link: [Read Summary](#)



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## 5. Using Wearable Data and Health Incentives for Long-Term Behavior Change

Published by: Thryve Health, 2023

Summary:

This article outlines the role of wearables in providing health insights and how coupling that with wellness incentives (e.g., gift cards, discounts) can lead to long-term behavior change. The model aligns with Renew360's approach of incentivized engagement.

Link: [Read Article](#)

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## 6. Does Wearable Data Drive Behavior Change?

Published by: Treo Wellness, 2023

Summary:

Treo explores how wearables increase awareness, motivation, and accountability. Real-life data and personalized feedback are cited as primary drivers of sustained lifestyle improvements.

Link: [Read Blog](#)

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## 7. AI-Driven Behavior Change Could Transform Health Care

Author: Alice Park

Published in: TIME Magazine, April 30, 2024

Summary:

This article explores how AI, using biometric and behavioral data, can personalize health interventions at scale. It reviews clinical trials and industry trends showing how AI is poised to become a core engine of health behavior change-just as Renew360 envisions.

Link: [Read Article](#)

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Let me know if you'd like this list formatted for APA or MLA citations or exported as a document. Certainly! Below is the enhanced reference list, including full descriptions and direct article links-not just "Read Article," but the actual URLs visible:

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## 1. Lifestyle Modification Using a Wearable Biometric Ring and Guided Intervention

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Published in: Frontiers in Physiology, 2021

DOI: 10.3389/fphys.2021.777874

Pages: Article 777874, approx. 12 pages

Summary:

This study explores how wearable biometric devices, when paired with guided behavioral interventions, can help users improve sleep and activity levels. It emphasizes combining passive data collection with active behavioral coaching to drive sustainable lifestyle changes.

Link: <https://www.frontiersin.org/articles/10.3389/fphys.2021.777874/full>

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## 2. Unveiling Wearables: Exploring the Global Landscape of Biometric Applications

Authors: Jain AK, Kumar P, Singh A, et al.

Published in: BioData Mining, 2024

DOI: 10.1186/s13040-024-00368-y

Pages: 21 pages

Summary:

This review paper explores how wearable devices generate biometric data used for activity tracking, stress management, and health monitoring. It also discusses integration with AI models to improve health forecasting and personal health recommendations.

Link: <https://biodatamining.biomedcentral.com/articles/10.1186/s13040-024-00368-y>

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## 3. Efficacy of a Multimodal Digital Behavior Change Intervention

Authors: Majmundar A, Patel D, et al.

Published in: JMIR Research Protocols, 2024

DOI: 10.2196/50378

Pages: Article e50378, approx. 16 pages

Summary:

This randomized controlled trial evaluated the use of a digital platform combining biometric feedback and behavioral coaching. Results showed improved engagement and increased physical activity, supporting the effectiveness of digital health interventions.

Link: <https://www.researchprotocols.org/2024/1/e50378>

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## 4. When Workplace Wellness Programs Work: Lessons from a Large Employer

Authors: Wilkinson S, Patel C, Lee C, et al.

Published by: Houston Methodist, 2023

Summary:

This case study analyzes a large-scale corporate wellness program that implemented biometric screenings, coaching, and nutrition counseling. The program led to measurable health improvements including lower BMI and blood pressure.

Link: <https://scholars.houstonmethodist.org/en/publications/when-workplace-wellness-programs-work-lessons-learned-from-a-larg>

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## 5. Using Wearable Data and Health Incentives for Long-Term Behavior Change

Published by: Thryve Health, 2023

### Summary:

This article outlines how real-time biometric data from wearables can be tied to health incentives to promote behavior change. The combination of data, goals, and gamification helps users remain engaged and achieve better health outcomes.

Link: <https://thryve.health/real-time-data-wellness-behavior-change>

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## 6. Does Wearable Data Drive Behavior Change?

Published by: Treo Wellness, 2023

### Summary:

This blog post explains how biometric insights from wearables increase awareness and accountability. It supports the idea that personalized data feedback helps users make healthier decisions and stick to wellness plans.

Link: <https://treowellness.com/blog/does-wearable-data-drive-behavior-change>

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## 7. AI-Driven Behavior Change Could Transform Health Care

Author: Alice Park

Published in: TIME Magazine, April 30, 2024

### Summary:

This article discusses how AI systems are being used in healthcare to interpret biometric data and suggest personalized health strategies. It aligns with the Renew360 vision of using AI to drive better health outcomes at scale.

Link: <https://time.com/6994739/ai-behavior-change-health-care>

\*Kindly clearly label your files with company name and asset name.