

Patientory Digital Health Data Wallet

Category:

Best Digital Health Solution

Company Name:

Patientory, Inc.

Number of employees:

1-10

Turnover and/or Funding:

Patientory is built on a \$7.2M nationwide health information exchange and has received \$1.8 million in funding for its business products.

Product/Solution Name:

Patientory Digital Health Data Wallet

Corporate Name:

Patientory, Inc.

Date of Approval:

2017-12-31

Indications:

Disease agnostic

Therapeutic Areas:

Clinical trial recruitment , patient engagement, medication adherence.

General Information File Document upload:

N/A

Background information and need for drug / device:

The healthcare industry is undergoing a profound transformation, yet it continues to struggle with longstanding challenges such as poor chronic disease management, rising operational costs, data fragmentation, and inequities in clinical trial recruitment. Globally, a growing burden of chronic illness is driving demand for better care coordination and patient engagement tools. At the same time, clinical research suffers from low enrollment rates, lack of diversity, and inefficient recruitment workflows—delaying innovation and increasing trial costs.

Patientory, Inc. was founded to address these interconnected gaps with a secure, blockchain-enabled digital health platform that bridges patients, providers, and payors while enabling real-time, privacy-preserving data exchange. The platform empowers healthcare organizations to proactively manage chronic conditions using AI-driven analytics, remote monitoring (RPM, RTM), and Chronic Care Management (CCM) billing support—enhancing patient adherence and reducing costly readmissions.

Crucially, Patientory also supports decentralized clinical trial recruitment by leveraging its Universal Patient Identifier (UPI) and tokenized data infrastructure. This enables ethical, HIPAA- and GDPR-compliant sharing of patient data with research sponsors and trial networks, streamlining the recruitment of eligible, diverse participants directly from care environments. By improving visibility into real-world patient populations and enhancing patient engagement, Patientory helps accelerate trial timelines and bring novel therapies to market faster.

In an era where data is the new currency of care, Patientory delivers a unified, interoperable solution to modern healthcare's most urgent demands—enabling better outcomes, cost savings, and equity in care and research access.

Background File Document upload:

N/A

History of the development of the solution/product:

Patientory, Inc. was founded in 2015 in response to the growing demand for a secure and interoperable health data infrastructure that could support patient-centric care and the shift toward value-based reimbursement models. The core vision was to leverage emerging technologies—particularly blockchain and decentralized data systems—to overcome inefficiencies in traditional healthcare data exchange, while empowering patients with control over their health data.

The initial phase of development focused on extensive market research and

consultation with healthcare stakeholders, including hospital administrators, physicians, payors, and patients. These early insights informed the creation of the Patientory platform, which integrates blockchain technology with AI-driven analytics and mobile health interfaces to manage chronic conditions, improve patient adherence, and streamline clinical workflows. In 2017, Patientory launched one of the first HIPAA-compliant blockchain healthcare networks through a token sale that engaged over 50,000 participants worldwide, signaling significant global interest in decentralized health technology.

From 2018 to 2020, Patientory participated in several major accelerators and collaborative pilot projects—including Startup Health, the inaugural Boomtown HealthTech Accelerator, and the Dubai Future Accelerator—validating its core solution in diverse health systems and geographies. In these pilots, the platform demonstrated strong potential in reducing fragmentation in care coordination and improving the timeliness of patient data access.

The second phase of product development centered around remote patient monitoring (RPM), remote therapeutic monitoring (RTM), and chronic care management (CCM). These capabilities were integrated into the Patientory platform in response to updated CMS guidelines and the growing recognition of their role in improving health outcomes for chronic disease patients. The solution supports CPT billing for these services, helping providers generate new revenue streams while improving patient engagement and quality metrics.

Clinical validation efforts have included pilot deployments with FQHCs (Federally Qualified Health Centers), accountable care organizations, and independent physician groups. In one such pilot, Patientory's platform was used to monitor a cohort of high-risk diabetes patients using Bluetooth-enabled glucose meters and virtual care touchpoints. Over a 90-day period, there was a 23% improvement in medication adherence, a 19% reduction in emergency department visits, and a measurable increase in provider-patient communication frequency.

In parallel, Patientory's blockchain-powered Universal Patient Identifier (UPI) has been tested in sandbox environments for clinical trial recruitment. By securely matching anonymized, consented patient profiles with inclusion/exclusion criteria, the platform demonstrated an ability to reduce trial screening time and enhance diversity in participant pools—an area long criticized in traditional research models.

Patientory's ongoing collaboration with healthcare systems, payors, and research institutions continues to yield robust evidence of real-world impact. The platform is designed to comply with HIPAA, GDPR, and emerging international data privacy laws, making it highly scalable for both U.S. and global health markets.

As of 2024, the platform supports integrations with major EHR systems, FDA-approved

medical devices, and patient-facing mobile applications. The company is now actively pursuing expanded clinical trials and partnerships across Asia, Europe, and Latin America to further validate and scale the technology globally.

Patientory's development reflects a rigorous, stakeholder-informed, and evidence-driven approach to building a digital health platform that is clinically relevant, commercially viable, and globally scalable.

Development File Document upload:

N/A

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

Patientory represents a paradigm shift in digital health innovation by fusing blockchain technology with real-time remote care management, empowering both patients and providers to collaborate around secure, actionable health data. At its core, the platform solves two of the most pressing issues in global healthcare: fragmentation of patient data and lack of engagement in chronic disease management—while also unlocking new opportunities for decentralized clinical research.

What makes Patientory truly innovative is its integration of a blockchain-based Universal Patient Identifier (UPI) with remote patient monitoring (RPM), remote therapeutic monitoring (RTM), and chronic care management (CCM). This unified infrastructure ensures data security, patient privacy, and seamless interoperability across health systems. At a time when data breaches are increasingly common and interoperability remains elusive, Patientory's approach provides an immutable, decentralized alternative to traditional siloed systems, aligning with emerging global data governance standards (HIPAA, GDPR, HL7 FHIR).

The implications for future research are substantial. By enabling real-time, consent-driven access to de-identified patient data through a secure, tokenized system, Patientory facilitates decentralized clinical trial recruitment and accelerates real-world evidence generation. Researchers and biopharma companies can identify eligible, diverse participants faster, improving inclusivity and reducing time-to-market for life-saving therapies. This is particularly transformative in underrepresented populations where recruitment and engagement have historically lagged.

From a societal standpoint, Patientory improves the human condition by enhancing health equity. Its mobile-first, multilingual platform enables continuous engagement with underserved and high-risk populations, helping reduce avoidable hospitalizations,

improve chronic disease adherence, and deliver better outcomes at a lower cost. In doing so, it supports the transition to value-based care and population health management, making healthcare more proactive, personalized, and accessible.

As the world faces growing chronic disease burdens, an aging population, and widening gaps in healthcare access, Patientory is poised to play a pivotal role in shaping the future of global health. It reimagines the relationship between patients, providers, and data—putting control in the hands of individuals while unlocking efficiencies that improve care delivery across entire systems.

In summary, Patientory is not just a platform—it is a scalable, secure, and equitable foundation for the next generation of healthcare delivery and medical research.

Innovation File Document upload:

N/A

Please provide appropriate references (PubMed, Abstract, Website):

1. Blockchain-Enabled Patient Identity and Data Security

Patientory utilizes blockchain technology to enhance the security and interoperability of Electronic Health Records (EHRs). By leveraging a decentralized ledger, Patientory ensures that patient data is securely stored and easily accessible to authorized parties, facilitating seamless care coordination. This approach addresses the challenges of data fragmentation and security in healthcare systems.

Medium

Reference:

Patientory: Transforming Clinical Trial Recruitment For Big Pharma Partners.
Next Big Future

2. Remote Patient Monitoring and Chronic Care Management

Patientory's platform integrates Remote Patient Monitoring (RPM) and Chronic Care Management (CCM) tools, enabling continuous monitoring of patients with chronic conditions. This integration supports proactive care, improves patient adherence to treatment plans, and reduces hospital readmissions. Studies have shown that telemonitoring can lead to significant improvements in health outcomes for patients with long-term conditions.

PubMed

Reference:

Interactive Remote Patient Monitoring Devices for Managing Chronic Health Conditions: Systematic Review and Meta-analysis.

PubMed

3. Decentralized Clinical Trial Recruitment

Patientory's platform facilitates decentralized clinical trial recruitment by matching patients to relevant studies based on their health data. This approach enhances the diversity and efficiency of clinical trials, ensuring that a broader population can participate in research. By empowering patients to share their data securely, Patientory contributes to more inclusive and effective clinical research.

MDPI

Next Big Future

Reference:

Patientory: Transforming Clinical Trial Recruitment For Big Pharma Partners.

Next Big Future

4. Patient-Centric Health Data Management

Patientory empowers individuals by giving them control over their health data through a user-friendly mobile application. Patients can access, manage, and share their health information securely, fostering greater engagement in their healthcare journey. This patient-centric approach aligns with the broader movement towards personalized medicine and patient empowerment in healthcare.

Reference:

How Patientory uses blockchain to keep data secure and help connect patients.

Becker's Hospital Review

References File Document upload:

N/A