$1 Trillion Thesis for Humanoid Healthcare

To: Interested Parties

From: PatientCentricCare.AI

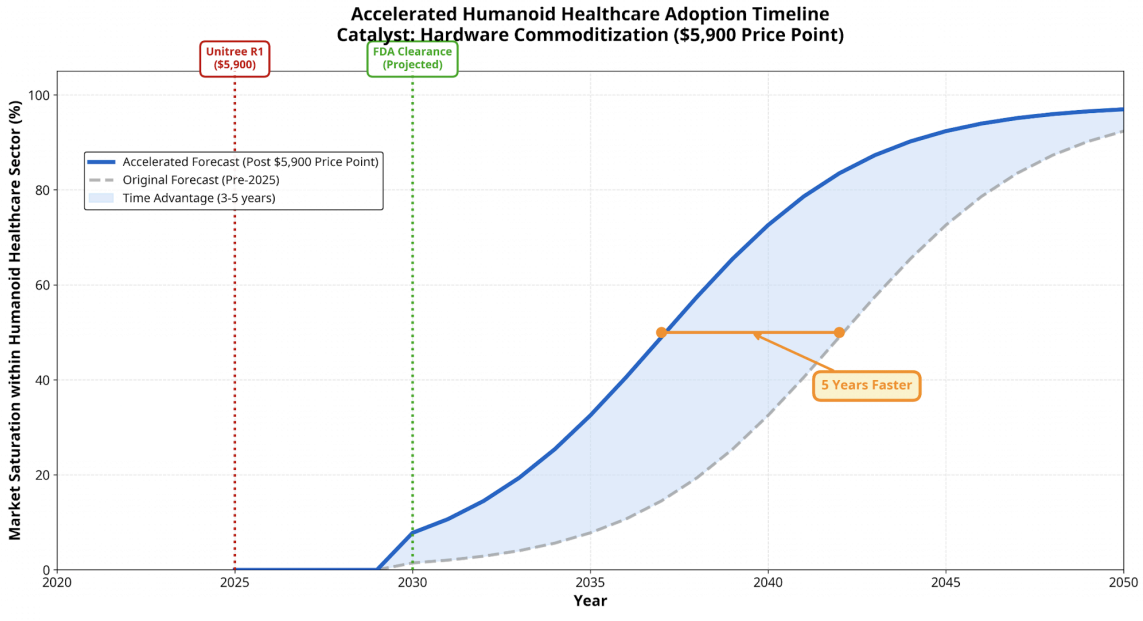
Date: November 25, 2025

Subject: The $1 Trillion Thesis for Humanoid Healthcare Infrastructure

1. Executive Summary

We are at a significant inflection point in the global labor market. Projections from Morgan Stanley indicate that the humanoid robotics market will reach $5 Trillion by 2050, impacting a $30 trillion global labor market. Within this opportunity, healthcare emerges as the highest-value segment—a potential **$1 Trillion+ market** contingent upon the development of regulatory-grade safety and compliance infrastructure.

The recent commoditization of advanced hardware, exemplified by the introduction of capable humanoid units at sub-$6,000 price points (e.g., Unitree R1), has accelerated market timelines. The primary barrier to mass adoption in sensitive environments is no longer mechanical capability or cost; it is the establishment of certifiable safety, regulatory compliance, and operational trust.



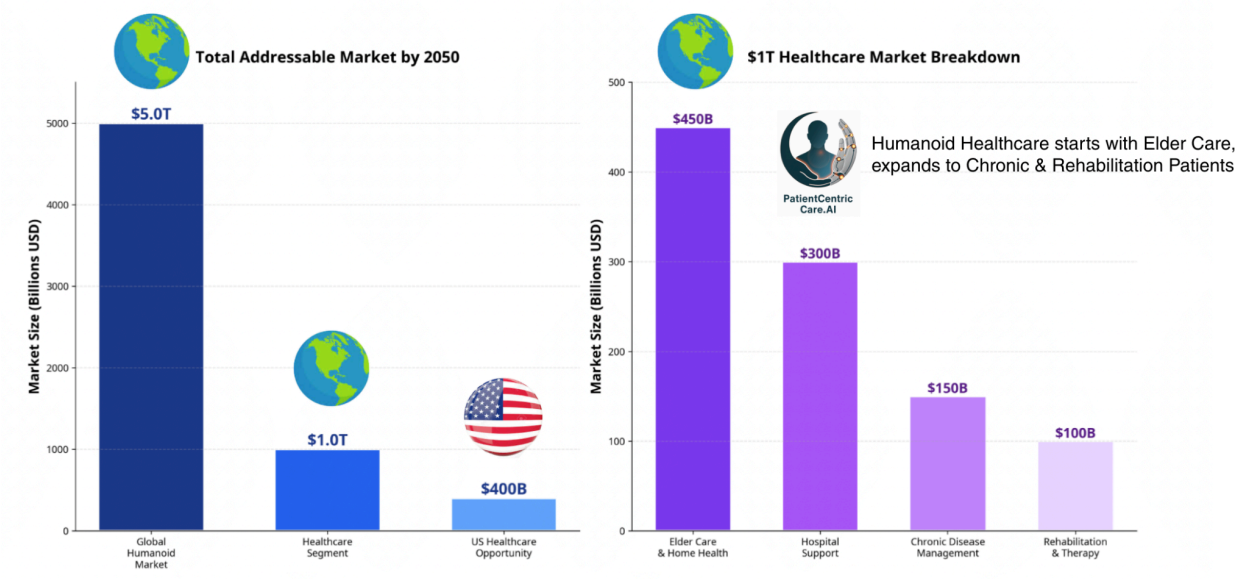
PatientCentricCare.AI is not a hardware manufacturer. Our focus is the development of a proprietary **"Safety OS"** - a Software as a Medical Device (SaMD) plugin that serves as the essential control layer, enabling general-purpose humanoid hardware to operate safely and effectively within the rigorous legal and ethical boundaries of healthcare.

The Investment Opportunity

Our investment thesis is predicated on the convergence of three critical market forces:

1. **Technological Readiness:** The maturation of generative AI and the availability of affordable, high-dexterity humanoid platforms provide the necessary technological foundation for deployment in complex healthcare settings.
2. **Regulatory Imperative:** The rapid advancement of hardware capabilities has outpaced the development of specific regulatory frameworks, creating a critical need for a standardized, certifiable safety layer to mitigate liability for hardware manufacturers and ensure patient safety.
3. **Demographic Necessity:** A structural deficit in the global caregiver workforce, driven by an aging population, presents a statistical inevitability. By 2050, the world will have **1.6 billion people aged 65 or older**, creating a demand for care that human labor alone cannot satisfy. Humanoid assistance is poised to become a necessary solution.

Total Humanoid $5 Trillion TAM (all sectors) & Humanoid Healthcare Target Segments



Source: Morgan Stanley Research (2025), Goldman Sachs Research (2024) | PatientCentricCare.AI Analysis

Our core premise is that while the hardware market will be characterized by price competition, the durable, long-term value will be captured by the entity that establishes the trusted, regulatory-approved infrastructure. We are building that infrastructure.

3. The Value Proposition: The "Dam Analogy" for Infrastructure Control

Our strategic focus on the software control layer is best understood through an analogy of infrastructure control: **We do not sell the water; we own the sluice gates that control its flow.**

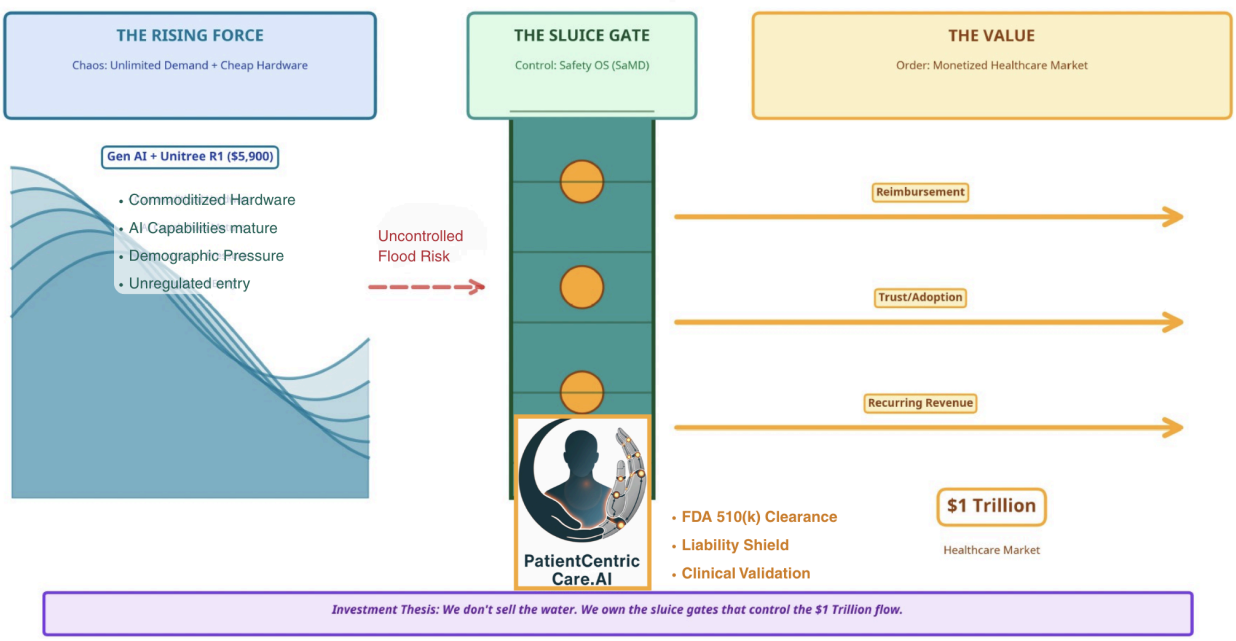
The Rising Force: Uncontrolled Market Potential
This represents the massive, unharnessed potential created by the convergence of capable Generative AI and commoditized humanoid hardware. This force is powerful but chaotic, lacking the structure required for safe deployment in regulated industries. For hardware OEMs, entering the healthcare market without a certified control layer presents an unacceptable liability risk.

The Sluice Gate: The SaMD Safety OS
PatientCentricCare.AI's Safety OS acts as the critical infrastructure—the "sluice gate"—that manages this potential. By providing a **certifiable SaMD**, we create a safe, predictable, and legally compliant channel for hardware to enter the healthcare market. Our core value is delivered through three pillars:

1. **FDA 510(k) Clearance:** A regulatory moat that is time-consuming and expertise-intensive to replicate.
2. **Liability Shield:** Transferring the primary burden of regulatory compliance from the hardware OEM to our certified software platform.
3. **Clinical Validation:** Ensuring the system operates safely and effectively according to established clinical protocols.

The Value: A Monetized, Orderly Market
By controlling the flow, we enable the creation of a structured, monetizable market. The value is unlocked through **Reimbursement** pathways from insurers, **Trust and Adoption** from providers and patients, and a scalable **Recurring Revenue** model based on the number of active units running our OS.

PatientCentricCare.AI will control the flood of unregulated Humanoids

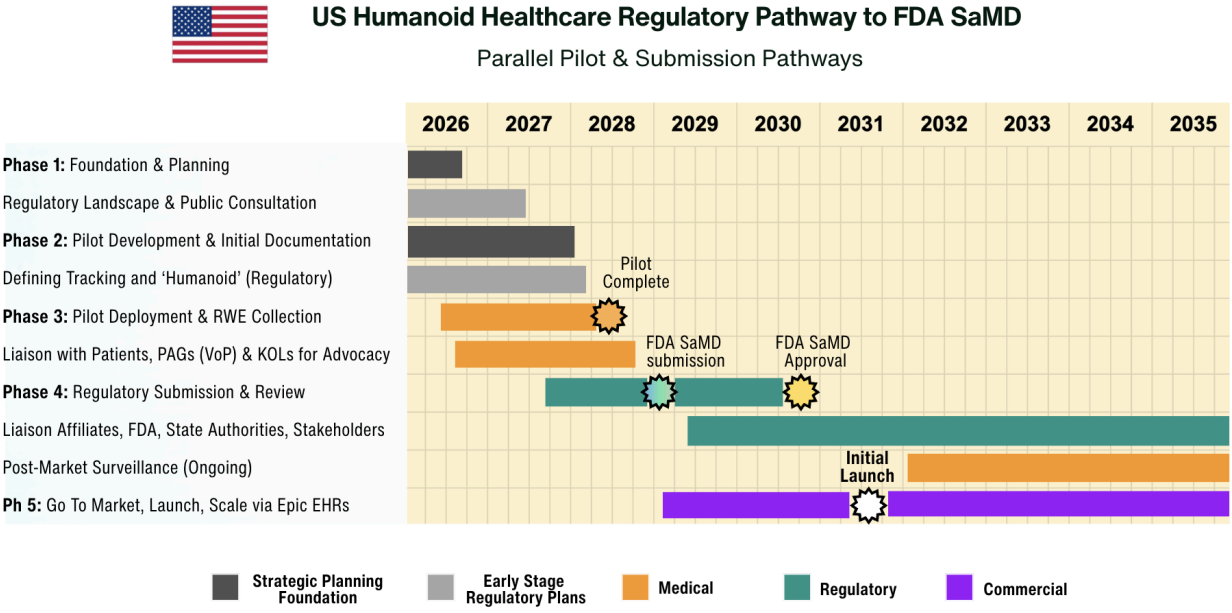


4. Go-to-Market Strategy: A Phased Plan for Leadership

Our go-to-market strategy is a 5-phase execution plan designed to de-risk the regulatory pathway before scaling commercially. This timeline is 100% aligned with our US Regulatory Pathway (Gantt Chart).

- **Phase 1: Foundation & Planning (2025-2026):** Strategic groundwork. We define the regulatory landscape, initiate public consultation, and establish the "Safety OS" architecture.
- **Phase 2: Pilot Development (2026-2027):** Initial documentation and development of the tracking systems required for the "Humanoid" regulatory definition.
- **Phase 3: Pilot Deployment & RWE Collection (2027-2029):** The "Orange Zone." Deployment of initial units in controlled environments to generate the Real-World Evidence (RWE) necessary for the FDA dossier.
- **Phase 4: Regulatory Submission & Review (2029-2031):** The "Teal Zone." Formal submission of the FDA SaMD dossier. This phase focuses on liaison with authorities and preparing the post-market surveillance infrastructure.

- **Phase 5: Go To Market, Launch & Scale (2031+):** The "Purple Zone." Following FDA Approval (anticipated 2031), we initiate the US Commercial Launch, scaling via Epic EHR integrations and major hospital partnerships.



5. Financial Projections: Two Paths to Market Leadership

Our financial model outlines two primary scenarios based on the speed of regulatory clearance and EHR integration. Unlike traditional SaaS, our revenue engine begins **four years before** the official commercial launch.

Phase 0: Pre-Launch Revenue (2027–2030)
We generate immediate revenue through "Pre-FDA Pilot & Research Partnership Fees" (NRE) and initial integration services.

- **2027 Start:** Revenue generation begins in 2027 with approximately **$475,000** from pilot fees and initial SaaS integration.
- **Goal:** These early revenues validate the "Safety OS" in real-world environments, bridging the gap to our commercial launch.

Commercial Launch: US Market (2031)

We have accelerated our regulatory roadmap to achieve **US Commercial Launch in 2031**, generating approximately **$10 Million** in Year 1 revenue.

Scenario A: Conservative Base Case (The "Organic" Path)

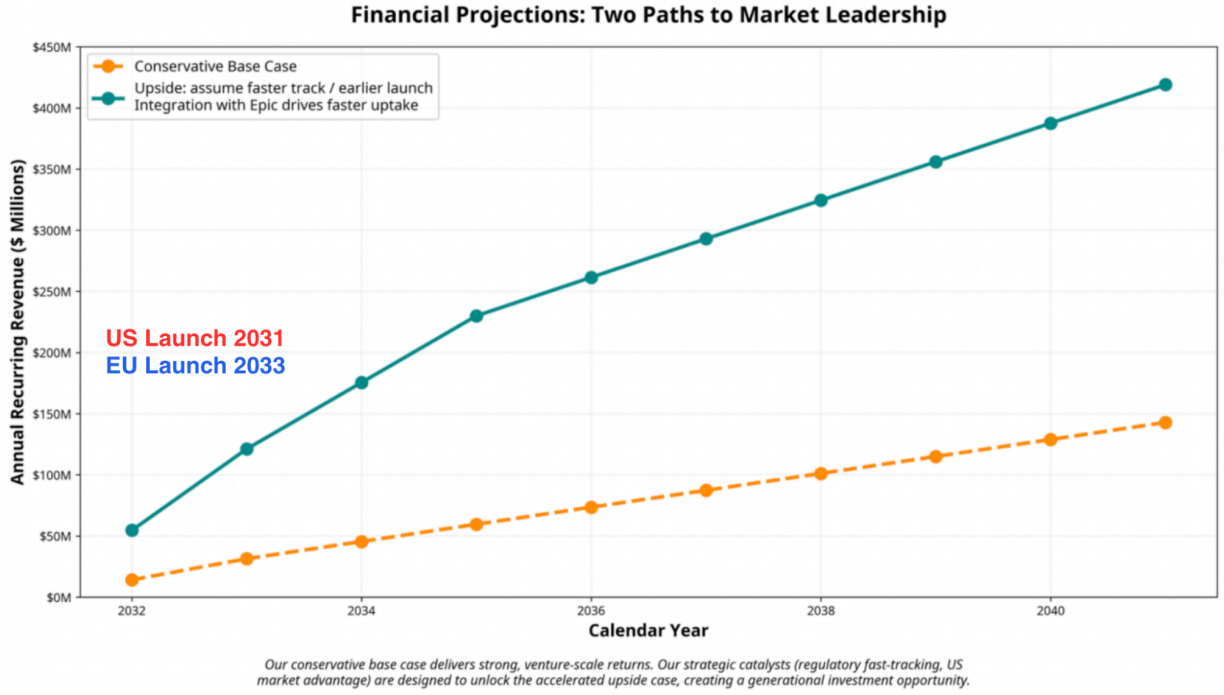
This scenario assumes a methodical adoption rate where we scale linearly with hardware deployments, without deep EHR integration in the first 5 years.

- **2035 ARR:** Approximately **$60 Million**.
- **2041 Outlook:** Steady growth reaching **$145 Million** annually.

Scenario B: Accelerated Upside Case (The "Target" Path)

This scenario reflects the data detailed in our Financial Model (Figure 2). It assumes the successful execution of our "US First" strategy and integration with major hospital networks (Epic/Cerner), driving rapid adoption.

- **2035 ARR: $238 Million** (Driven by ~16,000 active licenses and Tier 1 hospital uptake).
- **2041 Outlook:** Exponential growth reaching **$419 Million** annually as the installed base matures and the "App Store" platform revenue kicks in.



6. Conclusion

The opportunity in humanoid healthcare is not a question of *if*, but *when* and *how*. The convergence of technology and demographic necessity has created a clear and present need for a new class of infrastructure. The most durable value will not be in the manufacturing of the hardware, but in the ownership of the certified, trusted operating system that enables its use in the most valuable and complex market segment: healthcare.

PatientCentricCare.AI is singularly focused on building this critical infrastructure. Our phased, regulation-first strategy is designed to build a deep, defensible moat and establish the standard for humanoid robotics in healthcare.

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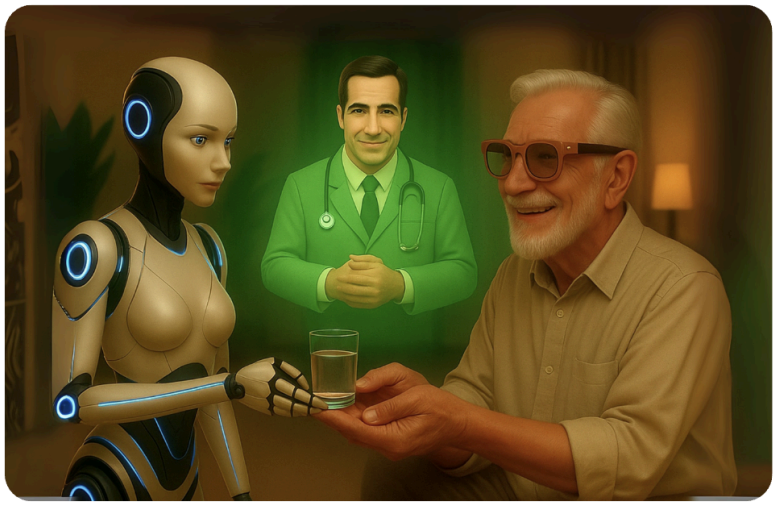

Contact Founder
Andy Squire
Andy@PatientCentricCare.AI

PatientCentric Care.AI