

# HIPPO PROTOCOL

# H1 2026

# Report

January 2026 - June 2026

Half year report

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2. Partnership Projects & Key Achievements
3. Product-Led Growth in Web3: A Paradigm Shift
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01 —

# Vision & Strategic Overview



In the first half of 2026, Hippo Protocol entered a new phase — one defined not by proof of concept, but by proof of product.

The Web3 landscape has undergone a fundamental shift. Projects built solely on marketing narratives, community hype, and speculative token mechanics have increasingly reached their limits.

The industry is demanding a new standard: real products, real revenue, and real-world utility. Hippo Protocol anticipated this transition, and H1 2026 marks the period in which that positioning became undeniable.

# This half-year was defined by three strategic pillars:

①

First

To deepen the real-world deployment of DataHippo as a working product with measurable clinical and commercial value.

②

Second

To establish Hippo MediSafe as a new category of blockchain-powered medical security infrastructure — directly tied to the protocol's on-chain utility.

③

Third

To validate the protocol's technical maturity and institutional credibility through international security certifications, academic partnerships, and global data agreements.

At the core of this period lies a single conviction: that the future of Web3 belongs to projects that generate verifiable, real-world value. Hippo Protocol is building that future — through medical data infrastructure that is secure, compliant, and actively used.

# Partnership Projects & Key Achievements



# Hippo MediSafe Launch of Blockchain- Powered Medical Security Infrastructure



## Hippo MediSafe

One of the most significant milestones of H1 2026 was the official launch of Hippo MediSafe, a hospital-grade security and backup solution built on Hippo Protocol's blockchain infrastructure.

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Hippo MediSafe was developed in direct response to a growing crisis in healthcare cybersecurity. Medical institutions worldwide face escalating threats from ransomware, data breaches, and system failures — yet most existing solutions were not designed with blockchain-based immutability or decentralized verification in mind.

# Hippo MediSafe addresses this gap by providing:

①

First

Secure, blockchain-anchored backup of electronic medical records (EMR) and clinical data

②

Second

Real-time tamper detection through on-chain verification mechanisms

③

Third

Compliance-ready data protection aligned with international healthcare security standards

④

Fourth

Seamless integration with existing hospital IT environments

The launch of Hippo MediSafe represents a strategic expansion of Hippo Protocol's ecosystem — from a data recording and summarization platform into a full-spectrum medical data infrastructure provider.

Critically, this product generates direct, recurring revenue from healthcare institutions, establishing a sustainable economic model that goes beyond token-based speculation.

This positions Hippo Protocol at the forefront of a new category: blockchain-native medical security infrastructure, where on-chain utility and real-world institutional demand converge.

# Proof of Concept: Korean Orthopedic Clinic

Prior to its full commercial launch, Hippo MediSafe completed a real-world Proof of Concept (PoC) at a Korean orthopedic clinic. The PoC validated the solution's operational viability in an active clinical environment, confirming that blockchain-anchored security and backup can be deployed and maintained without disrupting day-to-day medical operations.

Key outcomes of the PoC included successful integration into the clinic's existing IT infrastructure, real-time tamper detection functioning as expected under live conditions, and positive feedback from clinical staff on system stability and anomaly detection performance. The PoC served as the final validation step before broader commercial rollout — demonstrating that Hippo MediSafe is not only technically sound, but clinically deployable.

# Hippocrat Labs — Four ISO Security Certifications Achieved

①

ISO 27799

Health informatics: information security management in health

②

ISO 27001

Information security management systems (ISMS)

③

ISO 27017

Security controls for cloud services

④

ISO 27018

Protection of personally identifiable information (PII) in cloud environments

In H1 2026, Hippocrat Labs — the primary data node operator on Hippo Protocol successfully obtained four international ISO security certifications simultaneously:

# Achieving all four certifications together is a rare and demanding feat, reflecting the rigor of the security architecture underlying Hippo Protocol's data node infrastructure.

These certifications confirm that medical data flowing through the Hippo Protocol meets the world's highest security and privacy standards — a requirement for meaningful adoption by hospitals, research institutions, and healthcare enterprises globally. This is not a symbolic achievement. The certifications directly underpin the commercial viability of Hippo MediSafe and DataHippo, providing the institutional trust layer that regulated healthcare markets require before integrating new technology. It also strengthens the protocol's position in the RWA and DeSci landscape, where data provenance and security credibility are increasingly valued.

# MOU with Sogang University MOT Open Entrepreneurs hip Center



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Hippocrat Labs entered into a formal strategic MOU with the Sogang University Management of Technology (MOT) Open Entrepreneurship Center, one of Korea's leading academic institutions for technology commercialization and innovation.

The partnership focuses on advancing AI-powered clinical documentation through three core research and development tracks:

①

First

Advanced Speech-to-Text (STT) processing optimized for medical voice data

②

Second

Automated SOAP note generation from real-time clinical conversations

③

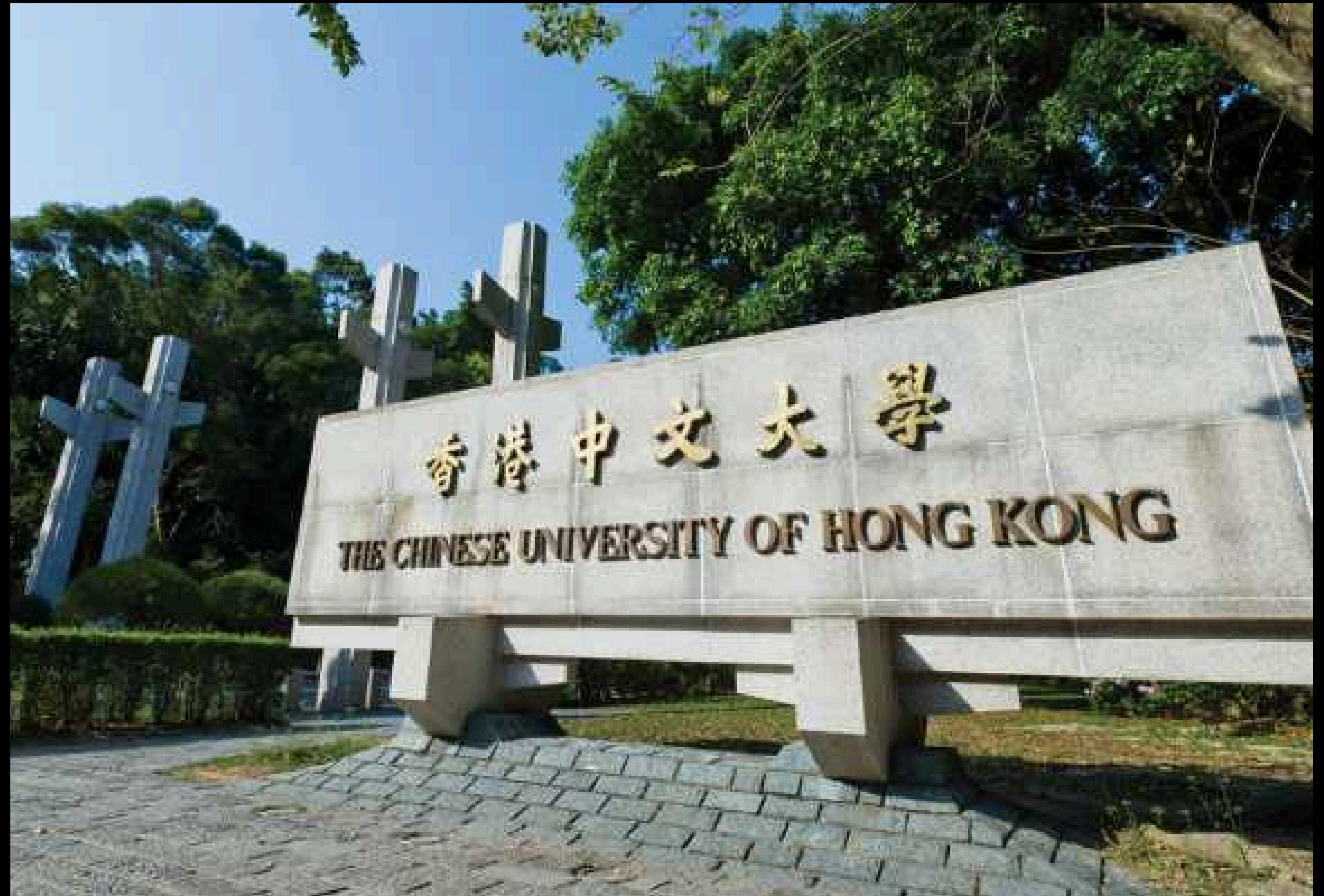
Third

Continuous development of intelligent clinical summarization models for diverse medical specialties

This collaboration bridges academic research with real-world healthcare deployment — combining Sogang University's expertise in language AI and technology management with Hippocrat Labs' existing clinical infrastructure and on-the-ground deployment experience at major Korean hospitals.

The partnership accelerates Hippo Protocol's trajectory toward AI-driven medical workflows, strengthening the technical foundations of DataHippo and expanding its scope of application across clinical settings.

# Clinical Data Supply Agreement — The Chinese University of Hong Kong (CUHK)



Hippocrat Labs executed a formal clinical data supply agreement with The Chinese University of Hong Kong (CUHK), a globally recognized research institution consistently ranked among the world's top 40 universities.

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This agreement represents a landmark moment for Hippo Protocol: the first institutionally contracted data exchange between a major global research university and a blockchain-based data node. CUHK's participation signals real demand from the academic and clinical research sector for blockchain-mediated data supply chains — a validation that decentralized data infrastructure is not theoretical, but commercially and academically actionable.

The agreement demonstrates that data-node-driven data exchange has entered a new phase of maturity, with Hippo Protocol serving as the trusted infrastructure layer between medical data generators and research consumers.

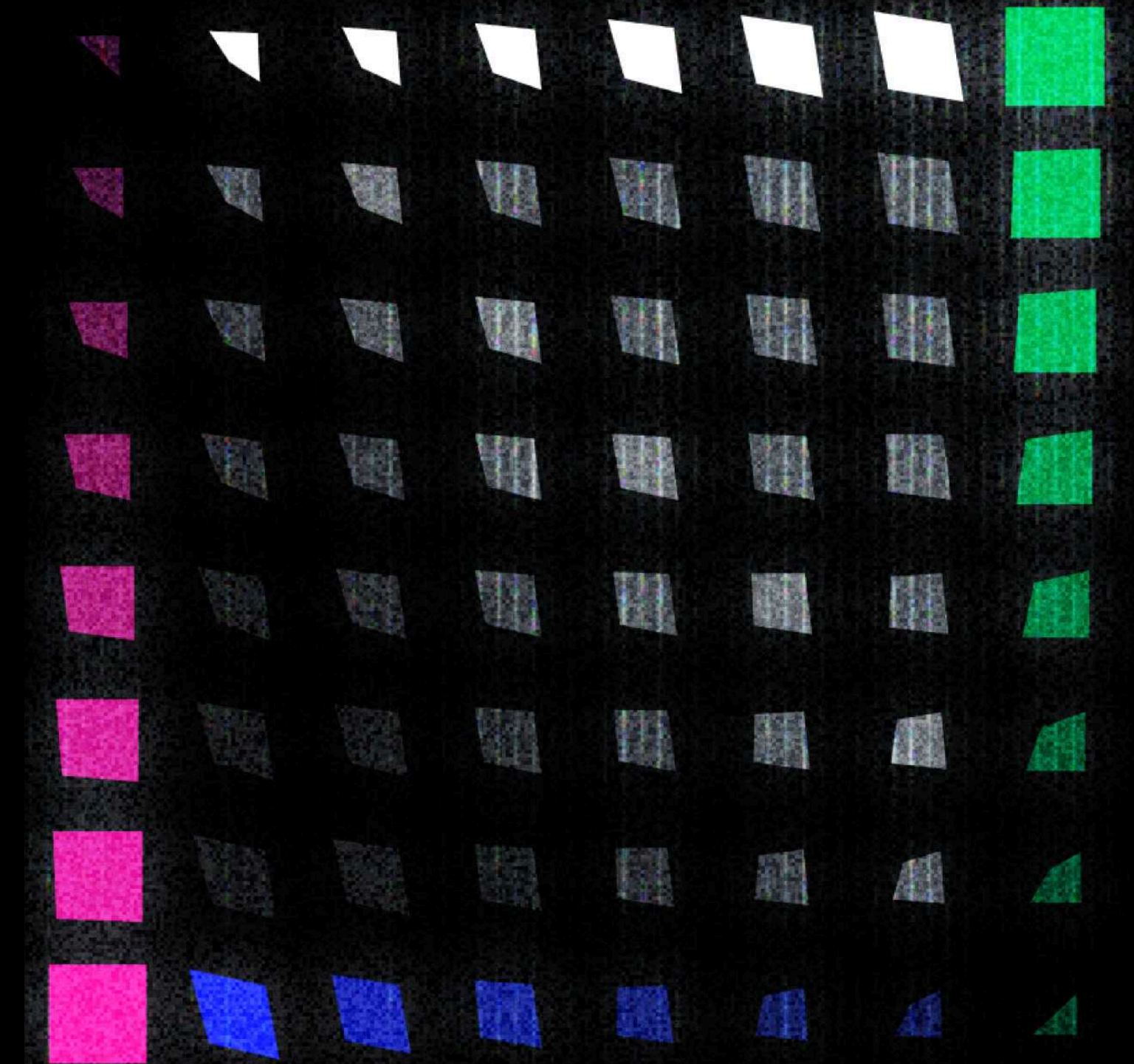
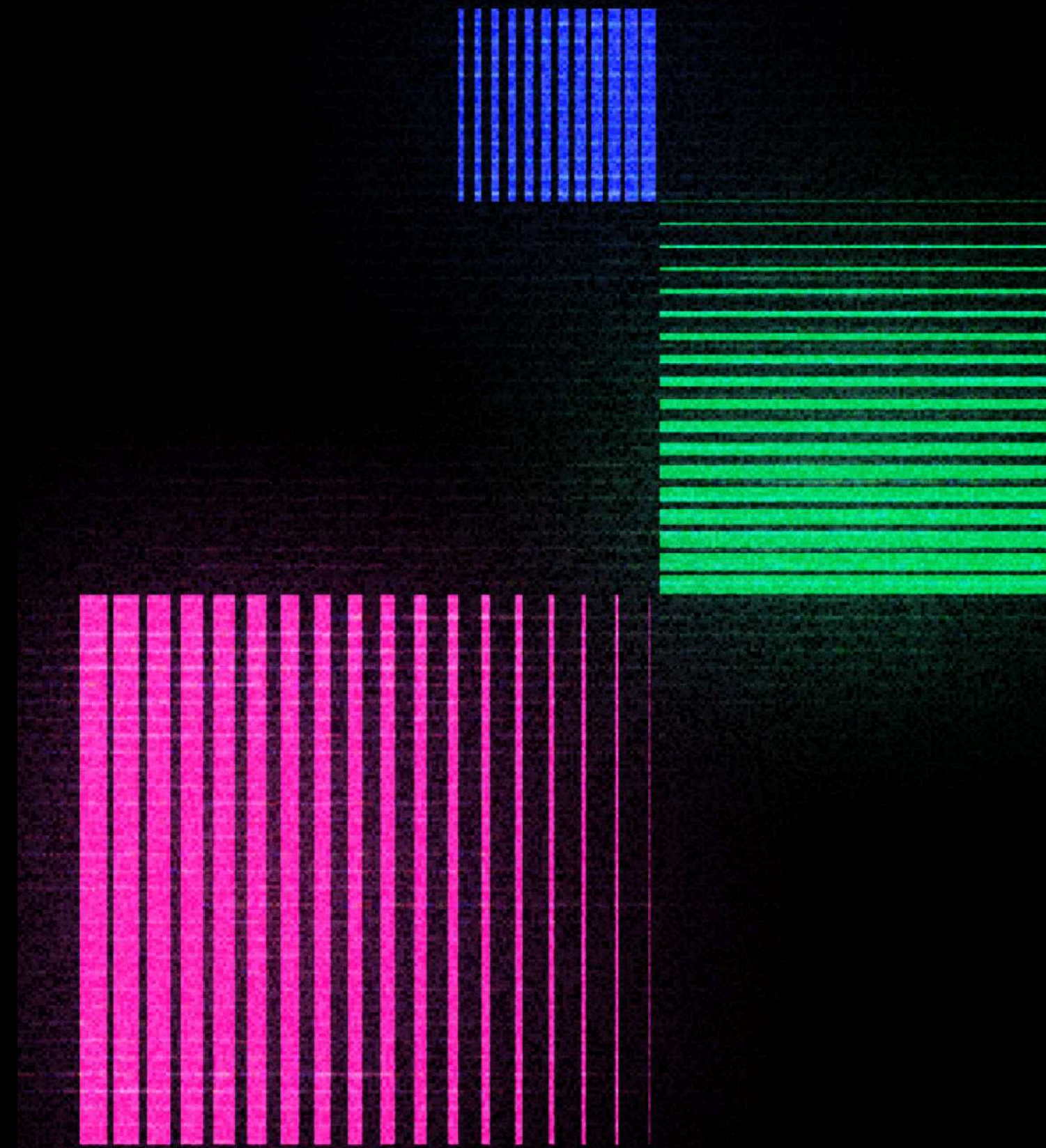
# Mainnet v1.0.2 Upgrade — Security-Focused Protocol Hardening

Upgrade Completed

# Mainnet Upgrade

The Hippo Protocol Mainnet v1.0.2 upgrade was successfully completed, marking a critical security-focused milestone for the network. This release addressed identified vulnerabilities within the Cosmos open-source ecosystem, specifically targeting:

The upgrade reflects Hippo Protocol's commitment to maintaining enterprise-grade network reliability — a prerequisite for healthcare institutions and regulated entities that require guaranteed uptime and security assurances before building on any blockchain infrastructure.



## First

Consensus engine vulnerabilities in CometBFT that could expose the network to chain halt attack vectors

## Second

Application state machine weaknesses in the Cosmos SDK that required mitigation under active threat conditions

# Cosmwasm Testnet Service

Hippo Protocol launched CosmWasm testnet services, enabling developers to build, test, and deploy smart contract-based applications within the Hippo Protocol ecosystem prior to mainnet deployment.

This infrastructure expansion lowers the barrier for third-party data node development and application building on Hippo Protocol, supporting the protocol's growth from a single-operator network toward a multi-node ecosystem with diverse developer participation. The CosmWasm environment provides the technical foundation for future data marketplace, consent management, and incentive distribution applications built natively on Hippo Protocol.

# Token Migration Successful Completion

The Hippo Protocol token migration process was completed successfully, ensuring continuity of ecosystem participation and alignment between token holders and the protocol's evolving infrastructure. The migration reinforced community trust and provided a clean technical foundation for forthcoming tokenomics developments tied to real-world data utility.

# DataHippo Best Poster Award at the 2026 Korean Society of Digital Health Conference



DataHippo received the Best Poster Award at the 2026 Spring Academic Conference of the Korean Society of Digital Health, one of Korea's leading academic bodies in the digital health field.

The award recognized DataHippo's innovative approach to clinical documentation: an AI-powered healthcare application that records and analyzes medical consultations in real time, automatically summarizing key clinical content into structured, easy-to-understand memos.

The solution was specifically designed for elderly patients who may have difficulty retaining detailed clinical information, while also enabling seamless sharing of consultation records with family members.

# DataHippo was co-developed by Dr. Soon-Yong Kwon of Seoul Bethesda Clinic and Hippocrat Labs CEO H.S. Choi.

A defining technical characteristic of the product is its integration with Hippo Protocol's healthcare-specialized blockchain, which provides simultaneous protection of personal medical information and ensures data trustworthiness through on-chain verification.

Hippocrat Labs is actively expanding the research utility of the clinical summary data accumulated through DataHippo including the clinical data supply agreement with The Chinese University of Hong Kong (CUHK) and is accelerating B2G business expansion with public institutions including public health centers and local government bodies.

The award affirms that the model of industry-academia collaboration between medical professionals and healthcare technology developers and the independent technical capability of combining AI with blockchain has been recognized for both its academic innovation and social value.

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# DataHippo × Douzone Bizon STT AI Agent Performance PoC

Hippocrat Labs conducted a joint Proof of Concept with Douzone Bizon, one of Korea's leading enterprise software and ERP solution providers, leveraging DataHippo to enhance the performance of STT AI agents in clinical documentation workflows.

The collaboration focused on integrating DataHippo's real-time medical conversation analysis capabilities with Douzone Bizon's solutions. Through the PoC, the AI agent's ability to structure, classify, and summarize complex clinical dialogue was significantly enhanced — producing more accurate SOAP notes, improving entity recognition for medical terminology, and reducing the gap between raw voice input and actionable clinical records. Hippo Protocol's blockchain infrastructure ensures the integrity and auditability of the data processed throughout these workflows.

# Doctorville Medical Security Lecture Positioned as Healthcare Security Expert

Hippocrat Labs CEO H.S. Choi was invited to deliver a keynote lecture on Doctorville, a leading Korean platform for medical professionals, in the capacity of a healthcare cybersecurity expert.



# The lecture, titled Is Your Clinic Safe?

The Reality of Medical Institution Security,' was structured as a 45-minute interview-format session covering the state of cybersecurity threats facing Korea's healthcare sector.

The session addressed the escalating threat environment facing Korean medical institutions, including ransomware attacks on major hospitals in January 2026 that caused multi-day system outages and demands for hundreds of millions of won in cryptocurrency. Key topics included:



# Key Topics

- Why medical institutions are prime targets: the high market value of medical data, the leverage created by clinical downtime, and the structural under-investment in security among primary and secondary care facilities

- Regulatory changes: the September 2026 revision to Korea's Personal Information Protection Act, expanding maximum fines from 3% to 10% of total revenue and formally designating clinic directors as the final accountable party for data protection

- Immediate practical measures: data backup to isolated locations, network segmentation, staff access management, and phishing awareness protocols

- The role of Hippo MediSafe: introduced naturally as the solution developed in direct response to these challenges — providing distributed cloud backup, real-time intrusion monitoring, and seamless integration with existing EMR systems without operational disruption

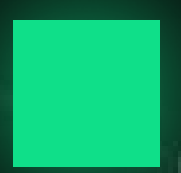
- The session drew 4,645 registrants and 2,931 live viewers, with post-session survey results confirming strong reception: 85.6% of respondents reported positive overall satisfaction, and 86.0% found the content practically useful.

- Additionally, 90 physicians expressed interest in learning more about the service, giving Hippocrat Labs a substantial, self-selected lead pool of clinic decision-makers in Korea.

The lecture reached an audience of approximately 3,000 practicing physicians and clinic operators across Korea.

Positioning Hippocrat Labs' leadership as a credible voice in the medical security conversation — rather than as a product vendor — represents a significant step in building institutional trust and brand authority in the B2B and B2G healthcare markets.

# Product-Led Growth in Web3: A Paradigm Shift



# The broader Web3 industry is undergoing a reckoning.

As the Tiger Research report and wider market commentary have highlighted, Web3 models that depend exclusively on marketing, community building, and speculative tokenomics have reached structural limits. Revenue generation, product utility, and institutional adoption are now the benchmarks against which projects are evaluated.

Hippo Protocol has consistently operated on this premise — and H1 2026 is where that premise became undeniable. While most Web3 projects continue to compete on narrative, Hippo Protocol competed on output: a hospital-grade security product generating real revenue, an academic award for clinical AI innovation, international security certifications, and contracted data agreements with globally ranked research institutions. DataHippo and Hippo MediSafe are not marketing artifacts. They are working products, deployed in real hospitals, generating real data, and in the case of Hippo MediSafe, generating real revenue. This is the standard Hippo Protocol has set for itself — and the standard it believes the entire Web3 healthcare sector must ultimately meet.

# Technology Development & Protocol Advancement

H1 2026 technical strategy maintained the philosophy established in the prior period: stability, security, and scalability over feature expansion.

# Hippo MediSafe Core Security Engine Architecture

The launch of Hippo MediSafe introduced a purpose-built security engine designed specifically for the constraints and compliance requirements of medical institutions. Its architecture is defined by five core technical pillars:

## Global Standard Benchmark Verification

- MITRE ATT&CK® Compliance: Designed against the global security framework standard, providing comprehensive multi-layered defense across known attack paths
- Atomic Red Team Validation: Defense capability objectively verified against globally standardized hacking simulation tests, confirming real-world attack resilience

## Collective Intelligence-Based Global Defense

- Industry Standard Integration: Full integration with YARA standards used by security firms worldwide, enabling global-tier threat detection intelligence
- Real-Time Threat Synchronization: Instantly reflects the latest threat data shared by global security experts, enabling immediate response to emerging and variant malware

## Intelligent DNA Analysis

- Mathematical Threat Detection: Entropy-based techniques that analyze the mathematical density of data to capture hidden ransomware signatures at the moment of emergence
- Intelligent Trap Deployment: Invisible decoy files distributed throughout the system, detecting even the most subtle movements of attackers without missing a single action

# Hippo MediSafe Core Security Engine Architecture

This architecture reflects a fundamental design philosophy: medical security infrastructure must be rigorous enough to withstand sophisticated adversarial threats while remaining lightweight enough to deploy without disrupting clinical operations. Hippo MediSafe achieves both.

## Ultra-Lightweight Security with Minimal Server Load

- Smart Resource Management: Strictly limits CPU and memory usage so that security scanning does not disrupt the server environment
- Precision Differential Scanning: Intelligently selects and analyzes only modified data, enabling real-time monitoring without system load

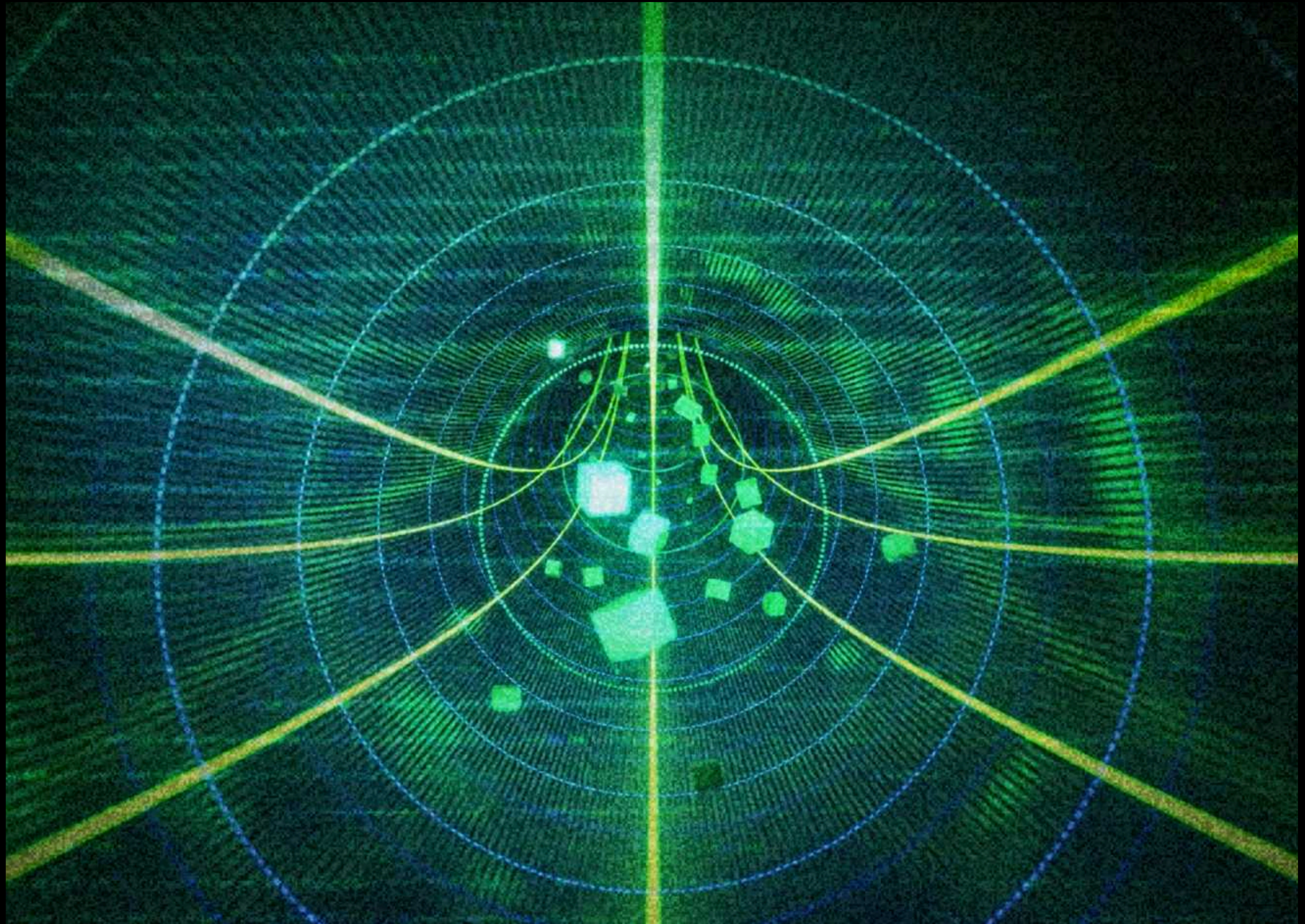
## Rust-Based High-Reliability Security Engine

- Memory Safety Architecture: Built in Rust — recommended by NIST, NSA, and the U.S. Department of Defense — resolving a significant portion of memory vulnerabilities caused by legacy programs that serve as attack entry points
- Overwhelming Efficiency: Operates immediately as a single file without complex installation, maintaining a clean system environment as an ultra-lightweight engine

# Protocol Infrastructure Upgrades

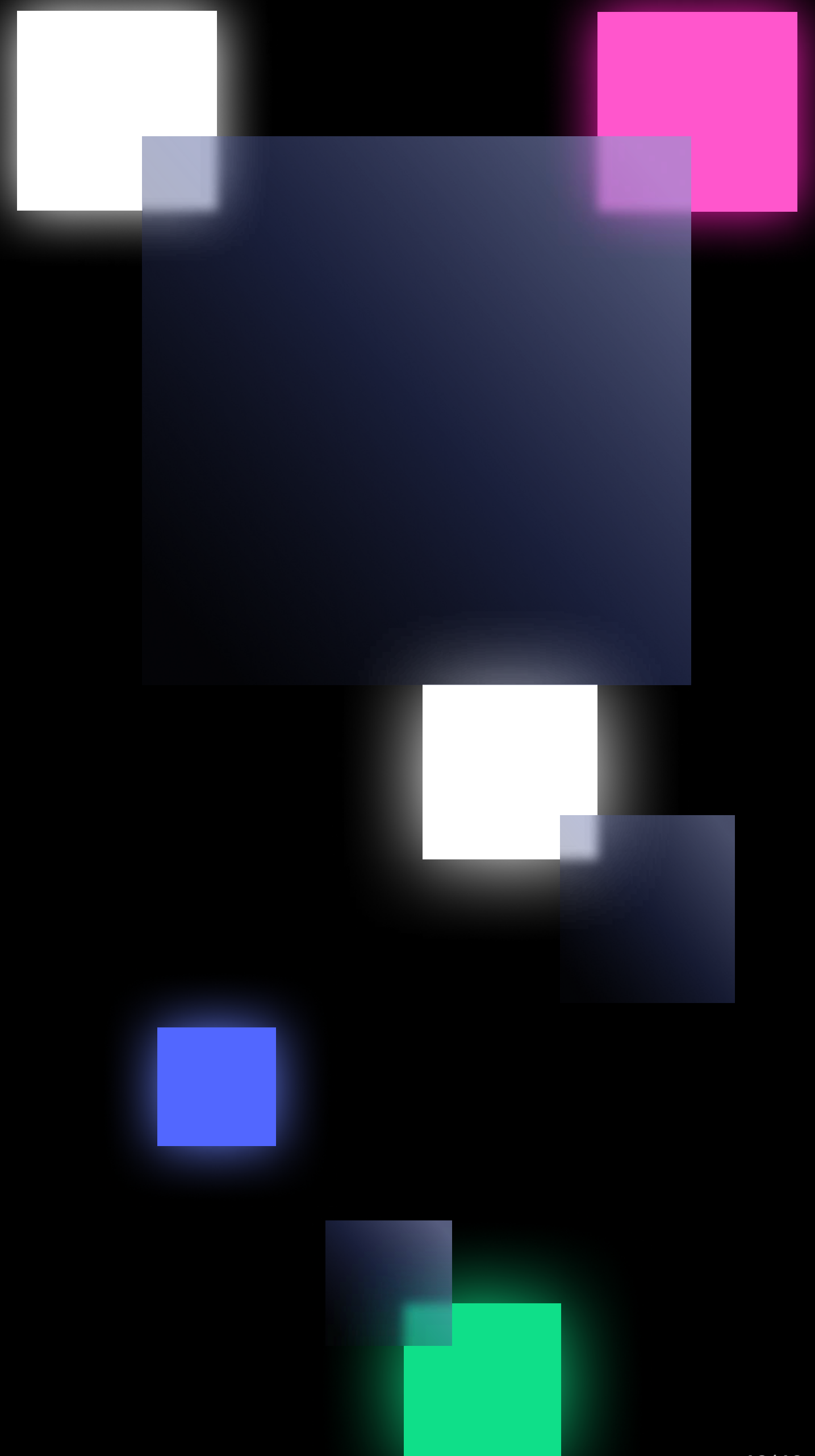
The Mainnet v1.0.2 upgrade addressed critical security vulnerabilities in the Cosmos ecosystem, ensuring the network's resilience against chain-halt attack vectors and preserving the integrity of the consensus mechanism under adversarial conditions.

The activation of CosmWasm testnet services opened a new chapter in developer accessibility, enabling smart contract development within the Hippo Protocol ecosystem. This lays the groundwork for a multi-application ecosystem where third-party data nodes, research platforms, and healthcare applications can build natively on Hippo Protocol's blockchain.



The successful completion of token migration ensured technical continuity and economic alignment across the ecosystem, providing a stable foundation for the next phase of protocol growth.

Collectively, these technical milestones prepare Hippo Protocol for a scaling phase in which multiple data nodes operate simultaneously, institutional partners interface with the network through standardized APIs, and the protocol's on-chain utility is directly tied to measurable healthcare outcomes.



# Summary of Achievements & Outlook



The first half of 2026 demonstrated that Hippo Protocol has moved beyond the proof stage. The question is no longer whether blockchain can work in healthcare — it is how quickly the infrastructure can scale to meet the demand that is already emerging.

MOU with Sogang University  
advancing AI-powered clinical  
documentation through  
academic collaboration

Launch of Hippo MediSafe  
blockchain-powered hospital  
security infrastructure with a  
real revenue model

Clinical data agreement with  
CUHK first contracted global  
university data supply  
partnership

ISO 27799 · 27001 · 27017 ·  
27018 four international  
security certifications  
obtained simultaneously

Mainnet v1.0.2 upgrade —  
security hardening of the  
Cosmos-based protocol

Looking ahead to H2 2026, Hippo Protocol will continue to expand the medical data network through additional data node partnerships, deepen its collaboration with global healthcare and research institutions, and scale Hippo MediSafe into a recognized category leader in blockchain-based hospital security infrastructure.

Successful token migration  
ensuring ecosystem continuity  
and community trust

DataHippo × Douzone Bizon  
STT AI Agent PoC clinical  
documentation AI  
performance enhanced  
through enterprise  
collaboration

CosmWasm testnet activation  
enabling third-party smart  
contract development on  
Hippo Protocol

Best Poster Award at the  
2026 Korean Society of Digital  
Health Spring Conference  
DataHippo recognized for  
academic innovation and  
social value

Doctorville medical security  
keynote — Hippocrat Labs  
leadership established as a  
trusted expert voice in Korean  
healthcare cybersecurity



**The foundation has been built.  
The products are live.  
The next phase is scale.**



# Thank you E.O.D

