EQUIDEUM™
HEALTH

Data Integrity and Learning Networks (DILNs)

Delivering the data infrastructure to power next-gen care and research

Today's Challenge

Consumerization, a shifting regulatory landscape (GDPR, CCPA, others) and interoperability mandates have exposed deep fault lines in digital healthcare. With health data as the life-blood of digital health, today's healthcare organizations face substantial technology obstacles to continued innovation:

Exploding volumes of data trapped in silos, with blocked access and poor reusability due to anonymization and missing consents	Duplicative health data that is fractured across different stores and end-points	Partial consumer identities spread across many legacy systems and EHRs	Data-starved AI and machine learning algorithms containing insights that remain hidden

The result is consumers frustrated by clunky, repetitive and unsecure digital journeys. Worse, next generation initiatives such as genomic-based precision medicine and digital therapeutic integration are obstructed and research gets bogged down — preventing equitable and longitudinal patient relationships that can improve health outcomes.
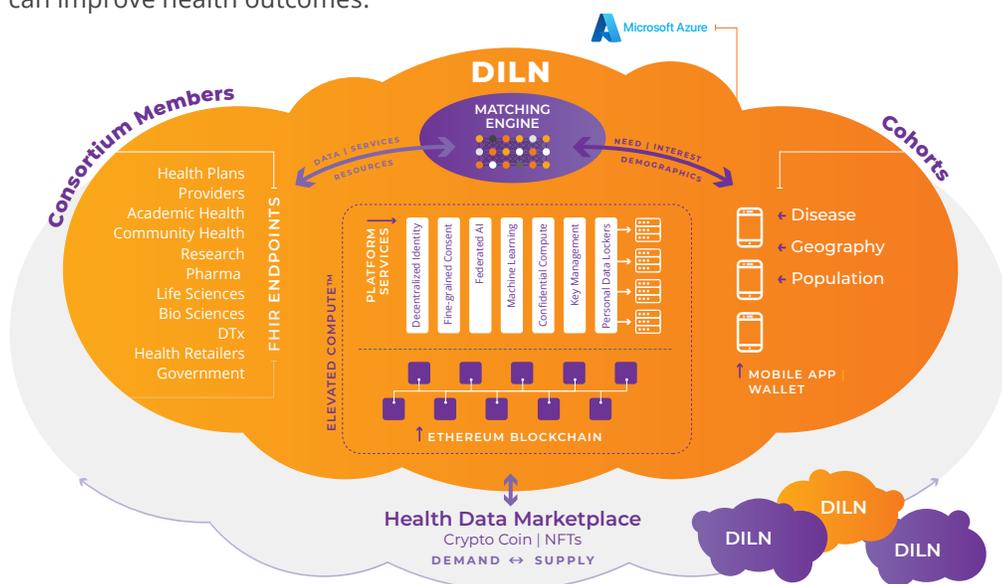
The Opportunity

As a society, we have reached the boundaries of massive data centralization as a primary mechanism to continued value creation in healthcare and life science. Equideum Health's Federated-First™ and Provable Privacy™ architecture removes long-standing barriers to the shared vision of an equitable, person-centered, learning health system.

Data Integrity and Learning Networks (DILNs)

DILNs are specialized blockchain networks based on innovative business models that leverage federated machine learning and AI, self-sovereign identity and tokenized data marketplaces. DILN members include health plans, providers, pharma, life sciences, community health, government, academia and finance—open to any organization that is striving towards the quadruple aims of healthcare. Targeted cohorts may be grouped by specific interests (such as US veterans and their families), disease and condition states, or geography.

Equideum Health establishes and operates DILNs by implementing tailored Ethereum-based blockchain networks running our Elevated Compute™ technology stack. Elevated Compute leverages Microsoft Azure cloud-based services and each DILN is deployed using Web3 decentralized design principles.

Driving Improved Outcomes

DILNs provide significant advantages for both healthcare consumers and consortia members:

HEALTHCARE CONSUMERS

- Secure, person-centric privacy-preserving engagement
- Consent-driven health data access and sharing
- Smooth, frictionless digital experience
- Improved access and enrollment in clinical trials, therapeutics and research
- Trust-based longitudinal care relationships that span care transitions and providers
- Tokenized incentives with financial remuneration for healthy choices
- Digital communities that restore relationship-based healthcare

CONSORTIA MEMBERS

- Enable new collaborative business models
- Care coordination and clinical integration across organizational boundaries
- Accelerating Volume-to-Value via Real-Time Real-World Evidence™ (RT-RWE)
- Precision Medicine through secure federated genomic analytics
- Ultra-secure incentivized digital therapeutics
- Support for community-based, ethical and equitable health long-term relationships
- Cost reduction and process efficiencies
- Ease burdens of interoperability and compliance
- Compliance with W3C and Web3 standards

EQUIDEUM™ HEALTH

Equideum Health creates next-gen person-centered healthcare and research networks to advance health equity and outcomes by optimizing data liquidity across enterprise and individual data silos, powered by Ethereum.

For more information or to request a follow-up, please visit us here ▸