

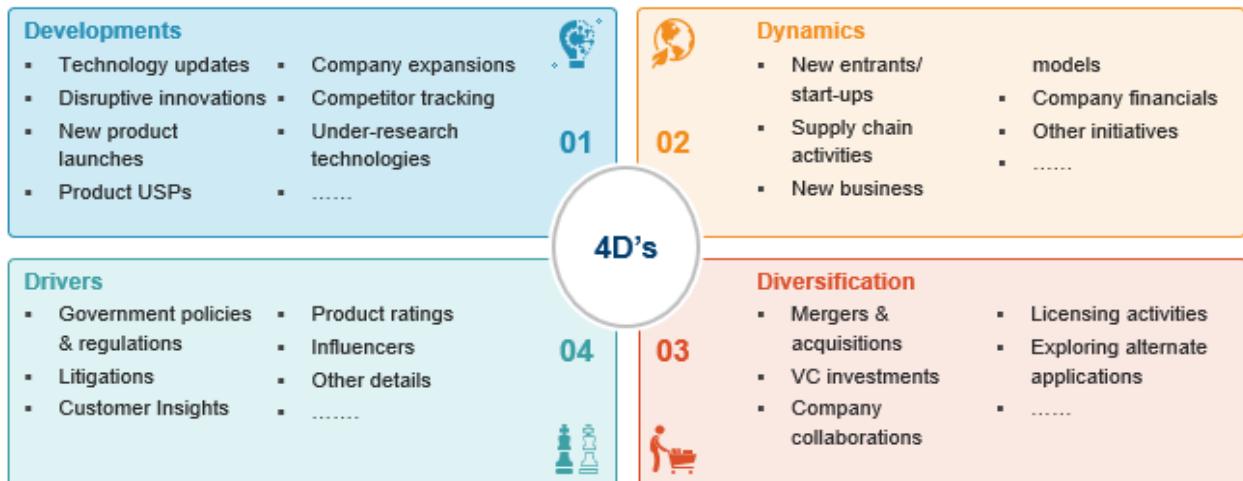
INTELLOTRACKER

BLOCKCHAIN IN HEALTHCARE DATA INTEROPERABILITY

JUNE 2023



ARANCA'S QUARTERLY SECTORIAL UPDATE ACROSS FOUR DIMENSIONS....





DEVELOPMENTS

Under-research technologies		A protocol is currently under research for e-health apps that uses a blockchain-based approach to manage patient data securely and efficiently, by employing a consensus mechanism that is more suitable for resource-constrained IoT devices. <i>Source: Research Paper</i>
Under-research technologies		A solution is under research which proposes a bilateral, verifiable, and privacy-focused exchange of information between doctors, patients, and pharmacies through verifiable credentials with a token-based, anonymized double-spending check. <i>Source: ACM Digital Library</i>
New product launches		Digital network company Avaneer Health has launched a private, peer-to-peer network empowered by blockchain to help solve interoperability challenges. Participants can collaborate and share real-time data, streamlining healthcare administration. <i>Source: Healthcare Innovation</i>
New product launches		Solve.Care announced the launch of Care.Chain, a decentralized Layer-2 network infrastructure to improve healthcare access, delivery, management, and payments for both healthcare institutions and consumers through blockchain. <i>Source: SolveCare Press Release</i>
New product launches		Wipro Lab45 announced the launch of its Decentralized Identity and Credential Exchange (DICE) ID to safeguard medical data, enhancing patients' trust on their platform, by providing them control of their personal data. <i>Source: Wipro Press Release</i>



DYNAMICS

New entrants/startups		AIMEDIS leverages AI to analyze diverse records, clinical trials, and research papers, generating personalized treatment recommendations for patients while safeguarding the integrity of data through a secure, decentralized blockchain network. <i>Source: Tradedog Blog</i>
Other initiatives		Qode Health Solutions tested the ledger feature in Microsoft Azure SQL Database, which provides the ability to track updates securely and efficiently with familiar technology, and to secure COVID-19 vaccination records. <i>Source: Microsoft Blog</i>
New business models		The research introduces a blockchain-based digital health data marketplace (DHDM) resembling Airbnb, enabling patients to securely monetize their health data for medical professionals, researchers, & machine learning algorithm developers. <i>Source: ScienceDirect</i>



DIVERSIFICATION

Company collaboration		JennyCo has selected Polygon as the blockchain for its mobile app and token launch to enhance data sharing, improve health outcomes, personalize experiences, and reduce costs. <i>Source: PRNewsWire</i>
Company collaboration		Solve.Care & EarthID announced a collaboration to employ blockchain to decentralize ID data and provide verification of credentials to create a powerful ID management system to be put in the hand of individuals for healthcare purposes. <i>Source: HIT Consultant</i>
Company collaboration		The partnership between Solve.Care and LiveMetric will allow users of the LiveOne device to store their healthcare data in decentralized nodes secured by the blockchain, ensuring its security while retaining full ownership and control. <i>Source: SolveCare Press Release</i>
VC Investments		Blockfenders gets in \$1.5M for its blockchain-powered secure data sharing platform. They mentioned that a digital healthcare company focused on eye care and a "global employee engagement platform provider" are currently piloting its platform. <i>Source: Silicon Angle Blog</i>



DRIVERS

Influencers		According to Chief Financial Officer, East Coast regional health plan, "Interoperability is long time coming...unlike financial services that created a common data set, healthcare has not been able to. I see interoperability as a positive change." <i>Source: HFS Research</i>
Others		In a pilot program with National Center for Health Statistics (NCHS) and IBM, the CDC is examining whether blockchain can be utilized to see who accesses health data and when as the data moves through its lifecycle. <i>Source: Florida Office of Financial Regulation</i>
Others		Malaysia aims to adopt blockchain in health care by 2025. As medical data is a highly privacy-sensitive element, blockchain's distributed ledger technology in health care makes it easier to transfer patient medical records securely. <i>Source: Vietnam Investment Review</i>

SOLUTION PORTFOLIO – TECHNOLOGY RESEARCH & ADVISORY

IP STRATEGY	TECHNOLOGY INTELLIGENCE	GROWTH & STRATEGY
<p>How best can we proactively manage and monetise our technical knowhow / intellectual property?</p>	<p>How best can we keep abreast of technology trends, competitor activity and headwinds / tailwinds in our domain?</p>	<p>Which technologies do we invest in? How do we ensure quick wins? Speed to market?</p>
<ul style="list-style-type: none"> IP Portfolio Analysis 	<ul style="list-style-type: none"> Competitor Benchmarking 	<ul style="list-style-type: none"> R&D Strategy Roadmaps
<ul style="list-style-type: none"> IP Monetisation 	<ul style="list-style-type: none"> Tech / IP Landscapes 	<ul style="list-style-type: none"> Technology Scouting
<ul style="list-style-type: none"> IP Valuation 	<ul style="list-style-type: none"> Technology Watch 	<ul style="list-style-type: none"> Open Innovation
<ul style="list-style-type: none"> Prior Art Searches 	<ul style="list-style-type: none"> Market Analysis / Trends 	<ul style="list-style-type: none"> Product Development



GROWTH ADVISORY



INVESTMENT RESEARCH & ANALYTICS



VALUATION & FINANCIAL ADVISORY



TECHNOLOGY RESEARCH & ADVISORY



PROCUREMENT & SUPPLY CHAIN INTELLIGENCE

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