



WHITEPAPER

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TICKER
\$AVC

NETWORK
SOLANA

SUPPLY
1 BILLION

Decentralized Healthcare Ecosystem on Solana
Empowering Patients, Practitioners & Pharmacies
Through the \$AVC Utility Token

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01 EXECUTIVE SUMMARY

Avicena is a next-generation **Healthcare Decentralized Application (DApp)** built on the Solana blockchain, designed to bridge the critical gap between patients and healthcare service providers in emerging markets — starting with Indonesia and expanding globally. By combining fast, low-cost blockchain infrastructure with a comprehensive suite of healthcare services, Avicena redefines how individuals access medical consultations, pharmaceuticals, insurance, laboratory services, and mental health support.

At the heart of the ecosystem lies the **\$AVC token** — a Solana-based SPL utility token that powers every interaction within the platform. From paying for doctor consultations and purchasing medicines, to earning staking rewards and participating in governance, \$AVC aligns incentives across patients, practitioners, pharmacies, and investors.

Project Name	Avicena
Token Name	Avicena Token
Ticker Symbol	\$AVC
Blockchain Network	Solana (SPL Token Standard)
Total Supply	1,000,000,000 AVC (1 Billion)
Private Sale Hardcap	100 SOL
Presale Hardcap	250 SOL
DEX Listing Allocation	40,000,000 AVC (4% of supply)
Platform Type	Healthcare DApp (PWA + Mobile)
Target Market	Southeast Asia, Global Emerging Markets

02 PROBLEM STATEMENT

The global healthcare system faces a profound accessibility crisis. In Southeast Asia alone, hundreds of millions of people lack consistent, affordable access to quality medical care. The traditional healthcare model is burdened by systemic inefficiencies that blockchain technology is uniquely positioned to solve:

- **Fragmented Access:** Patients must navigate disconnected systems — separate apps or clinics for consultations, prescriptions, lab tests, insurance, and mental health — creating costly delays.
- **High Transaction Costs:** Middlemen in insurance claims, pharmacy supply chains, and payment processors inflate costs by 20–40%, pricing out lower-income demographics.
- **Data Silos & Lack of Transparency:** Patient medical records are scattered across incompatible systems, causing misdiagnosis, duplicate testing, and privacy vulnerabilities.

- **Unbanked Population:** A large portion of Southeast Asia's population lacks access to traditional banking, making it difficult to pay for healthcare or manage insurance.
- **Slow Insurance Claims:** Manual claim processes can take weeks, leaving patients financially strained during health crises.
- **Limited Mental Health Access:** Stigma and high costs prevent people from seeking psychological support; digital-first, token-incentivized solutions can lower this barrier significantly.

Market Opportunity

The global digital health market was valued at USD 211 billion in 2024 and is projected to surpass USD 780 billion by 2030 (CAGR ~24%). Southeast Asia specifically represents one of the fastest-growing digital health markets, driven by smartphone penetration exceeding 70%, a young demographic, and increasing government investment in digital health infrastructure.

Avicena is positioned at the intersection of two exponential growth curves: blockchain adoption and digital healthcare — creating a rare first-mover advantage in this underserved space.

03 THE AVICENA SOLUTION

Avicena creates a unified, token-powered healthcare super-app that brings together every healthcare touchpoint a person might need — all within a single Progressive Web Application (PWA) and mobile interface, backed by immutable Solana smart contracts.

Core Value Propositions

ONE-STOP HEALTHCARE

From doctor consultations to pharmacy delivery, lab tests, insurance registration, and psychological support — all accessible without leaving the Avicena app.

TOKEN-POWERED ECONOMY

\$AVC tokens enable seamless payments, reward loyal users via staking, and incentivize healthcare providers to join and grow the network.

SOLANA SPEED & SCALE

Transactions confirm in under 400ms at a fraction of a cent, enabling real-time healthcare payments that feel as fast as a card swipe.

TRANSPARENT & TRUSTLESS

Smart contracts handle payments and claim settlements automatically, eliminating middlemen and ensuring both patients and providers are paid fairly and instantly.

INCLUSIVE DESIGN

Built for users with limited banking access, Avicena accepts \$AVC and major cryptocurrencies, enabling the unbanked to participate in the formal healthcare economy.

04 PLATFORM FEATURES & SERVICES

The Avicena platform offers eight core service pillars, each integrated with \$AVC token utility to create a seamless healthcare economy:

<p>01 Chat dengan Apoteker (Chat with Pharmacist)</p>	<p>Real-time consultation with licensed pharmacists. Users can send photos of medications, ask about dosages, drug interactions, and receive personalized pharmaceutical guidance — all within the app. Payments settled instantly via \$AVC.</p>
<p>02 Toko Kesehatan (Health Store)</p>	<p>A curated marketplace of pharmaceutical products, supplements, medical devices, and health essentials. Sellers are verified partners. \$AVC holders receive priority discounts and loyalty rewards on every purchase.</p>
<p>03 Konsultasi Dokter (Doctor Consultation)</p>	<p>Video and chat-based consultations with licensed General Practitioners and Specialists. Smart contract escrow ensures payment is released only upon consultation completion, protecting both patients and doctors.</p>
<p>04 Dokter Anak (Pediatric Services)</p>	<p>Dedicated child healthcare consultations with pediatric specialists. Parents can track vaccination schedules, growth milestones, and follow-up appointments — all recorded on-chain for verifiable health history.</p>
<p>05 Lab, Vaksin & Check (Lab, Vaccine & Health Check)</p>	<p>Book laboratory tests, vaccination appointments, and general health screenings at partner clinics. Results are delivered digitally and can be securely shared with any Avicena-connected physician. \$AVC used for booking and verification.</p>
<p>06 Chat dengan Psikolog (Chat with Psychologist)</p>	<p>Confidential mental health support from certified psychologists. Sessions are fully encrypted end-to-end. Token-subsidized sessions make mental healthcare affordable for all income levels, addressing the massive unmet need in Southeast Asia.</p>
<p>07 Daftar Asuransi (Insurance Registration)</p>	<p>One-click insurance registration and management. Smart contracts automate claim processing, reducing settlement time from weeks to hours. \$AVC stakers receive premium discounts from partner insurance providers.</p>
<p>08 Kesehatan Lain (Other Health Services)</p>	<p>An extensible hub for emerging health services: telemedicine specialists, nutritionists, physiotherapists, traditional medicine practitioners, and more — all integrated into the Avicena ecosystem as the platform grows.</p>

05 TECHNOLOGY ARCHITECTURE

Why Solana?

Avicena is built exclusively on the Solana blockchain — chosen for its unmatched combination of speed, cost-efficiency, and proven ecosystem maturity. Key technical advantages include:

- **65,000+ TPS:** Solana's Proof of History (PoH) + Proof of Stake (PoS) consensus delivers transaction throughput orders of magnitude beyond Ethereum, enabling real-time healthcare micropayments.
- **Sub-\$0.001 Transaction Fees:** Healthcare requires frequent small transactions — consultations, prescriptions, lab bookings. Solana's negligible fees make these economically viable.
- **400ms Finality:** Near-instant transaction confirmation creates a user experience indistinguishable from traditional payment rails.
- **SPL Token Standard:** \$AVC is built on Solana's battle-tested SPL token standard, ensuring compatibility with all major Solana wallets (Phantom, Solflare, Backpack) and DEXes.

- **Carbon-Neutral:** Solana's energy-efficient architecture is critical for a healthcare brand committed to ESG principles.

Smart Contract Architecture

- **Payment Escrow Contracts:** Hold \$AVC in trustless escrow during consultations; auto-release on completion or refund on cancellation.
- **Staking Contracts:** Manage the Staking & Loyalty pool with time-locked vesting and APY distribution.
- **Vesting Contracts:** Enforce token release schedules for private sale and presale participants automatically on-chain.
- **Oracle Integration:** Pyth Network price feeds ensure accurate SOL/USD conversion for platform pricing consistency.

Platform Architecture

- **Progressive Web App (PWA):** Accessible on any device via browser, eliminating app store friction for first-time users.
- **Mobile App:** Native iOS and Android apps for enhanced performance and push notifications.
- **Decentralized Identity:** Wallet-based login removes centralized username/password vulnerabilities.
- **IPFS Storage:** Medical documents, consultation records, and sensitive data stored on IPFS with on-chain hashes for verifiable integrity.
- **End-to-End Encryption:** All medical communications encrypted with AES-256.

06 TOKEN ECONOMICS (\$AVC)

Token Overview

Token Name	Avicena Token
Symbol	\$AVC
Blockchain	Solana (SPL)
Total Supply	1,000,000,000 AVC
Decimals	9
Token Type	Utility / Governance

Token Allocation

Category	Allocation	Tokens (AVC)	Purpose
Team & Development	20%	200,000,000	Platform development, salaries, operations
Staking & Loyalty	21%	210,000,000	Rewards for stakers and loyal platform users
CEX Listing	30%	300,000,000	Centralized exchange market-making & liquidity
Presale	10%	100,000,000	Public fundraising via Avicena presale platform

Airdrop & Community	10%	100,000,000	Community growth, campaigns, early adopters
Private Sale	5%	50,000,000	Early-stage private investor round
DEX Listing	4%	40,000,000	Initial DEX liquidity provision

\$AVC Token Utility

- **Payment Medium:** Pay for all healthcare services (consultations, medicines, lab tests, insurance) within the Avicena ecosystem.
- **Staking Rewards:** Lock \$AVC in the platform's staking contract to earn passive APY from platform revenue sharing.
- **Loyalty Points:** Frequent platform users accumulate \$AVC-denominated loyalty points, redeemable for service discounts.
- **Governance:** \$AVC holders vote on platform upgrades, new service integrations, fee parameters, and partnership approvals.
- **Insurance Premium Discounts:** Stakers receive reduced premiums from Avicena's insurance partners.
- **Provider Incentives:** Doctors, pharmacists, and psychologists earn \$AVC bonuses for high patient satisfaction scores.
- **DEX Trading:** \$AVC is freely tradable on Solana DEXes (Raydium, Jupiter) from day one of DEX listing.

07 TOKEN SALE STRUCTURE

Private Sale

Total Tokens	50,000,000 AVC (5% of supply)
Hardcap	100 SOL
Price per SOL	500,000 AVC
Calculation	$50,000,000 \text{ AVC} \div 100 \text{ SOL} = 500,000 \text{ AVC/SOL}$
Minimum Purchase	1 SOL
Access	Whitelist only — invitation from core team
Vesting	20% at DEX listing → 40% after 2 weeks → 40% after 4 weeks

Presale

Total Tokens	100,000,000 AVC (10% of supply)
Hardcap	250 SOL
Price per SOL	400,000 AVC
Calculation	$100,000,000 \text{ AVC} \div 250 \text{ SOL} = 400,000 \text{ AVC/SOL}$

Platform	Avicena proprietary presale platform (app.avicena.io)
Access	Public — KYC required
Vesting	20% at DEX listing → 40% after 2 weeks → 40% after 4 weeks

DEX Listing

Total Tokens for Liquidity	40,000,000 AVC (4% of supply)
SOL Raised for Liquidity	150 SOL (combined private + presale proceeds allocated)
Initial DEX Price	1 SOL = 266,666.67 AVC
Price Calculation	40,000,000 AVC ÷ 150 SOL = 266,666.67 AVC/SOL
Target DEX	Raydium AMM, Jupiter Aggregator
Listing Timeline	Following successful presale completion

Price Progression for Investors

Private Sale: 1SOL=500,000 AVC | Presale: 1 SOL = 400,000 AVC | DEX Listing: 1 SOL = 266,667 AVC
 Private sale participants receive 87.5% more AVC per SOL versus DEX listing price — representing a significant early-entry advantage. Presale participants receive 50% more AVC per SOL than the DEX listing price. The structured vesting schedule ensures price stability at listing while rewarding long-term holders.

08 VESTING SCHEDULE

To protect token price stability at DEX listing and reward long-term community members, Avicena implements a structured three-tranche vesting schedule for all Private Sale and Presale participants. Vesting is enforced by on-chain smart contracts — no manual intervention is required or possible.

Tranche	Release Date	Percentage	Description
Tranche 1	Immediately at DEX Listing	20%	Instant liquidity for early supporters on listing day
Tranche 2	2 Weeks After DEX Listing	40%	Stabilization period ensures healthy price discovery
Tranche 3	4 Weeks After DEX Listing	40%	Final release; full token ownership transferred on-chain

This vesting schedule applies equally to both Private Sale and Presale participants. The 20/40/40 split across Day 0, Week 2, and Week 4 was specifically designed to:

- Prevent massive sell pressure on listing day that would crater the token price.
- Give the market time to discover fair value before the majority of early-buyer tokens unlock.
- Align incentives: participants who believe in the project's long-term value are not penalized by the vesting, while pure speculators are discouraged from dumping immediately.

- Protect the DEX liquidity pool from being drained by early participants during the critical price-discovery window.

09 ROADMAP

Q1 2026 — FOUNDATION

COMPLETED

- Core team assembly and legal entity establishment
- Platform architecture design and smart contract specification
- PWA prototype development and internal testing
- Partnership outreach to founding healthcare providers

Q1- Q2 2026 — PRIVATE SALE

IN PROGRESS

- Private sale
- Whitelist community building and KYC setup
- Initial healthcare provider onboarding (pharmacists, GPs)

Q2 - Q3 2026 — PRESALE & DEX LISTING

UPCOMING

- Presale launch on Avicena proprietary platform
- DEX listing on Raydium & Jupiter (Solana)
- Beta launch: Chat dengan Apoteker + Konsultasi Dokter
- DEX listing on Raydium & Jupiter (Solana)

Q4 2026 — EXPANSION

UPCOMING

- Full platform launch: all 8 service pillars live
- Staking & Loyalty program activation
- Lab & Vaccine booking service rollout

Q1–Q2 2027 — GROWTH

PLANNED

- CEX listing negotiations and exchange integrations
- Insurance partner integrations (smart contract claims)
- Mobile app release (iOS & Android)
- Expansion to Malaysia, Philippines, Vietnam

Q3–Q4 2027 — SCALE

PLANNED

- Governance DAO launch — \$AVC holder voting
- AI-powered health recommendations engine
- Cross-chain bridge to Ethereum / BNB Chain

- 10,000+ active healthcare provider network

10 TEAM & GOVERNANCE

Avicena is built by a dedicated interdisciplinary team combining deep expertise in healthcare delivery, blockchain development, and Southeast Asian digital markets. The 20% team development allocation is subject to a 12-month cliff with 36-month linear vesting, ensuring full alignment with long-term project success.

Core Team Functions

- **Blockchain Engineering:** Smart contract development (Rust/Anchor), Solana program library integration, security audits.
- **Platform Development:** PWA and mobile app development, UX/UI design optimized for emerging market users.
- **Healthcare Operations:** Provider network management, regulatory compliance, medical content quality assurance.
- **Business Development:** Partnership acquisition with hospitals, pharmacies, insurance companies, and government bodies.
- **Community & Marketing:** Token community growth, social media, ambassador programs, airdrop campaign management.

Governance Model

Following DEX listing and platform stabilization, Avicena will progressively transition toward decentralized governance via a DAO structure:

- **Phase 1 (Launch):** Core team holds governance authority; community feedback channels active.
- **Phase 2 (6 months post-listing):** Snapshot voting introduced for non-critical proposals.
- **Phase 3 (12 months post-listing):** Full on-chain DAO with \$AVC-weighted voting on all major platform decisions including fee structures, new service onboarding, and treasury allocation.

11 RISK FACTORS

Investment in \$AVC tokens involves significant risks. Potential investors should carefully consider all risk factors before participating in any token sale:

- **Regulatory Risk:** Cryptocurrency regulations vary by jurisdiction and are rapidly evolving. Changes in laws could affect platform operation or token tradability.
- **Market Volatility:** Cryptocurrency markets are highly volatile. The value of \$AVC can decrease substantially, including to zero.
- **Technology Risk:** Smart contract vulnerabilities, Solana network outages, or security breaches could disrupt platform operations despite rigorous auditing.

- **Adoption Risk:** Healthcare app adoption requires significant behavior change. If user growth is slower than projected, token utility and value may be adversely impacted.
- **Competition:** The digital health and blockchain sectors are increasingly competitive. Established players and new entrants could limit Avicena's market share.
- **Liquidity Risk:** Early-stage tokens may have limited market liquidity, making large positions difficult to exit at favorable prices.

12 LEGAL DISCLAIMER

IMPORTANT — PLEASE READ CAREFULLY

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