



# Neuralyn: Emotionally-Aware AI for Healthcare

*"The Brain Behind Better Health"*

**Neuralyn** is revolutionizing healthcare through AI that truly understands human emotion. Our suite of intelligent, emotionally-aware applications provides personalized care that bridges the gap between technology and human connection.

Founded by a team of AI and healthcare visionaries, we're building solutions that transform patient care, mental wellness, and chronic condition management through intuitive voice interaction and real-time emotion recognition.

Join us as we shape the future of healthcare, where AI doesn't just process data, but understands the person behind it.



NEURALYN

# The Problem: Healthcare's Missing Emotional Intelligence

Despite technological advances, healthcare still faces a fundamental challenge: technology that understands medical conditions but not the human experience behind them.

Current healthcare applications lack emotional intelligence, creating a significant barrier to patient adherence and engagement. This gap is particularly pronounced in mental health and chronic condition management, where emotional states directly impact treatment outcomes.

With 21% of Americans experiencing mental illness annually and 60% managing at least one chronic condition, the need for emotionally intelligent healthcare solutions has never been greater.



## Limited Engagement

Current health apps see 80% abandonment within two weeks due to impersonal experiences



## Emotional Disconnect

Traditional health technology misses critical emotional cues that influence treatment adherence



## Accessibility Barriers

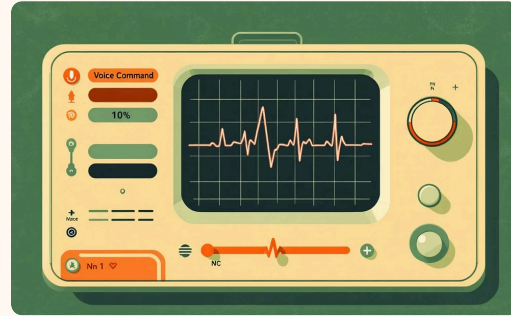
Existing solutions fail to accommodate neurodivergent patients and diverse emotional responses

# Our Solution: The Emotionally Intelligent Healthcare Suite



## HealMind\_AI

Our flagship product uses voice interaction, CBT techniques, and real-time emotion recognition to provide personalized therapy for anxiety and stress management. The app adapts its approach based on detected emotional states.



## VoxHeart

Voice-based heart health assistant that monitors cardiovascular metrics while adapting to the patient's emotional state, improving adherence through emotionally intelligent reminders and encouragement.



## DiabeX

AI diabetes monitoring system that correlates emotional states with glucose levels, providing personalized interventions that account for stress, anxiety, and other emotional factors affecting diabetes management.



## NeuraDiet

AI-powered nutrition coach that observes and learns from user behavior for one full week before crafting a personalized diet plan. It tailors nutrition strategies based on emotional patterns, lifestyle rhythms and metabolic responses, offering precise, adaptive meal guidance for sustainable wellness.



# HealMind\_AI: Product Showcase

HealMind\_AI represents the culmination of our approach to emotionally intelligent healthcare. The application provides personalized therapy sessions through natural voice interaction while continuously monitoring emotional cues through voice pattern analysis and optional camera input.

Unlike standard therapy apps, HealMind\_AI adapts in real-time to the user's emotional state, adjusting its therapeutic approach, tone, and pacing to match their needs in the moment, creating a genuinely responsive mental health companion.



## Voice Input

Natural conversation with AI therapist using proprietary emotion-detection algorithms



## Emotional Analysis

Real-time processing of emotional cues from voice patterns, word choice, and optional facial recognition



## Adaptive Response

Personalized therapeutic interventions based on emotional state and clinical best practices

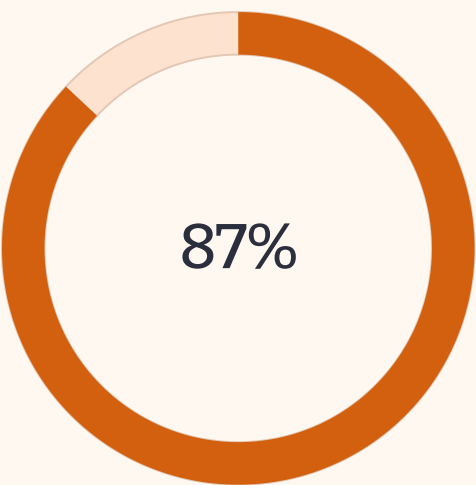


## Ongoing Learning

Continuous improvement of personalization through reinforcement learning from user interactions

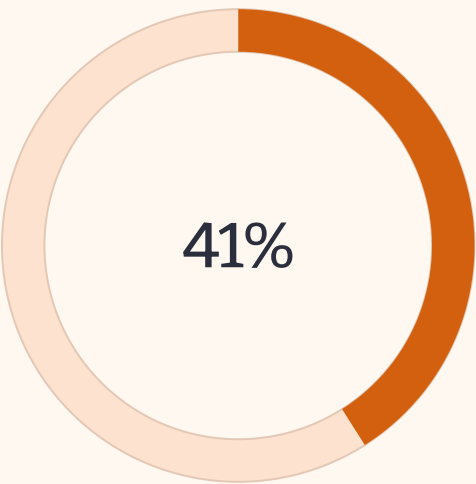
# Market Opportunity: The Intersection of AI and Healthcare

Neuralyn is positioned at the convergence of two explosive growth markets: AI in healthcare and digital mental health solutions. The global AI healthcare market is projected to reach \$187.95 billion by 2030 with a CAGR of 37%, while the digital mental health market is expected to grow to \$26.14 billion by 2028.



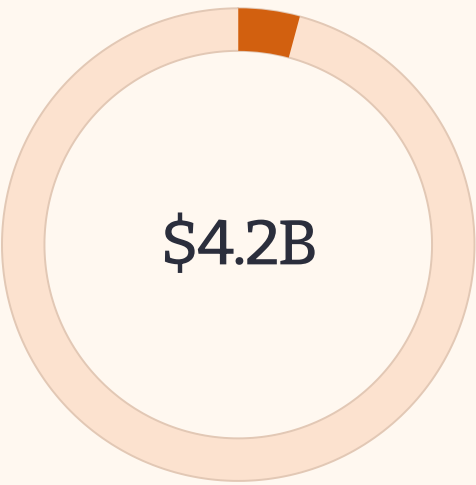
**Engagement Increase**  
Users show significantly higher engagement with emotionally-responsive healthcare applications

**Emotionally-aware AI health tools drive up to 87% more sustained engagement** compared to traditional digital solutions, by delivering empathetic, personalized interactions that users trust and return to.



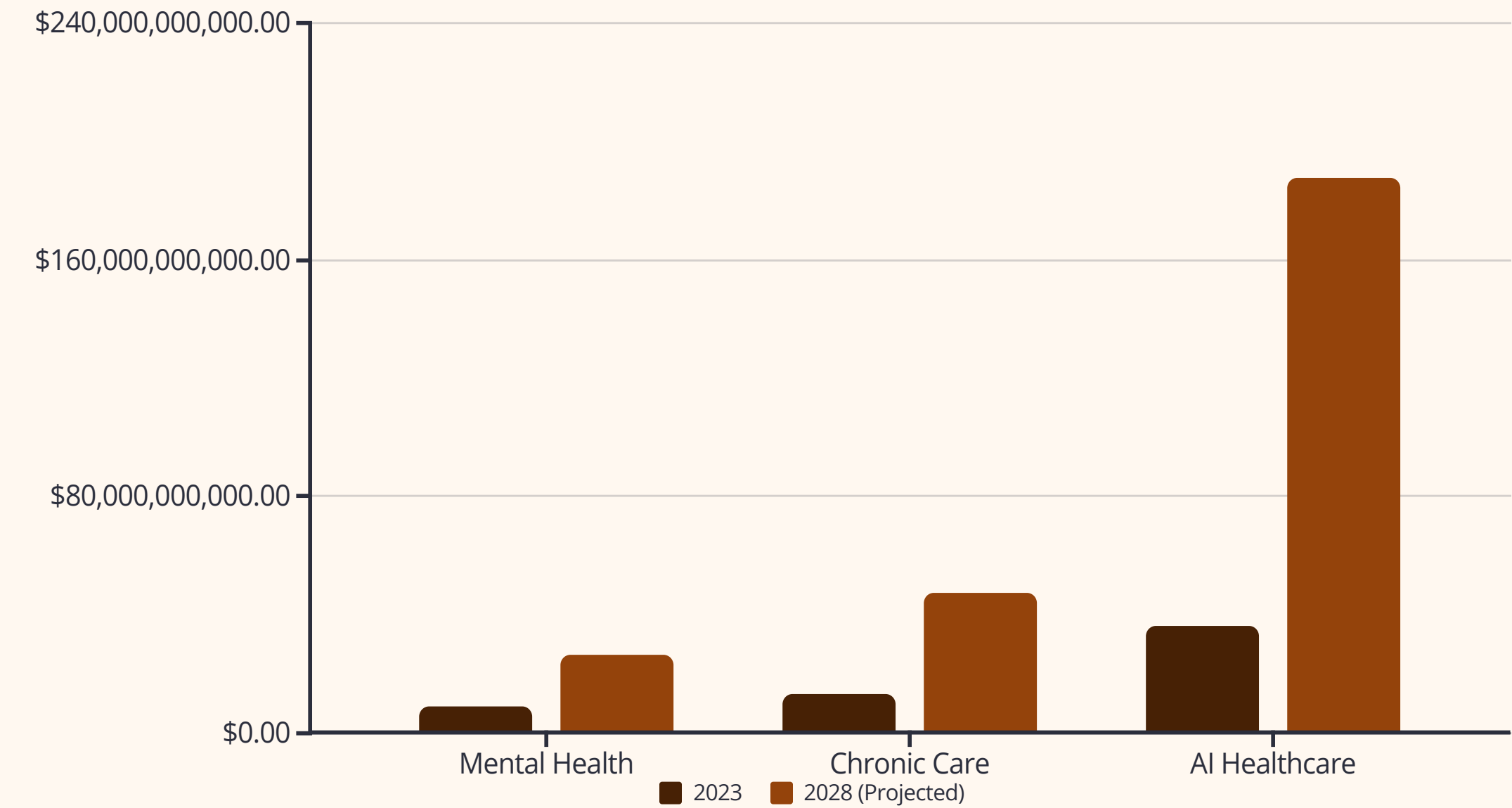
**CAGR**  
Projected compound annual growth rate for AI-powered mental health solutions through 2028

**AI-powered mental health platforms are expected to grow at a CAGR of 41% through 2028**, driven by rising mental health awareness, demand for scalable digital therapies, and advancements in emotionally intelligent AI solutions.



**TAM**  
Total addressable market for emotionally intelligent healthcare applications in North America alone

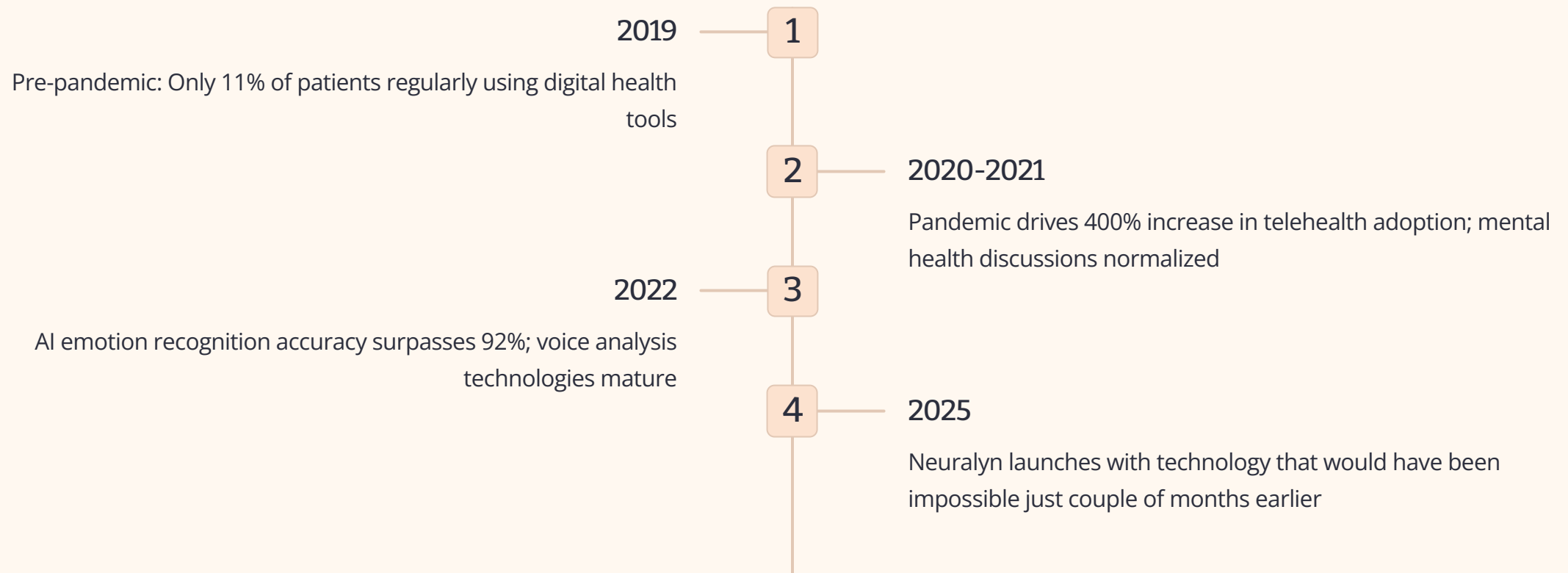
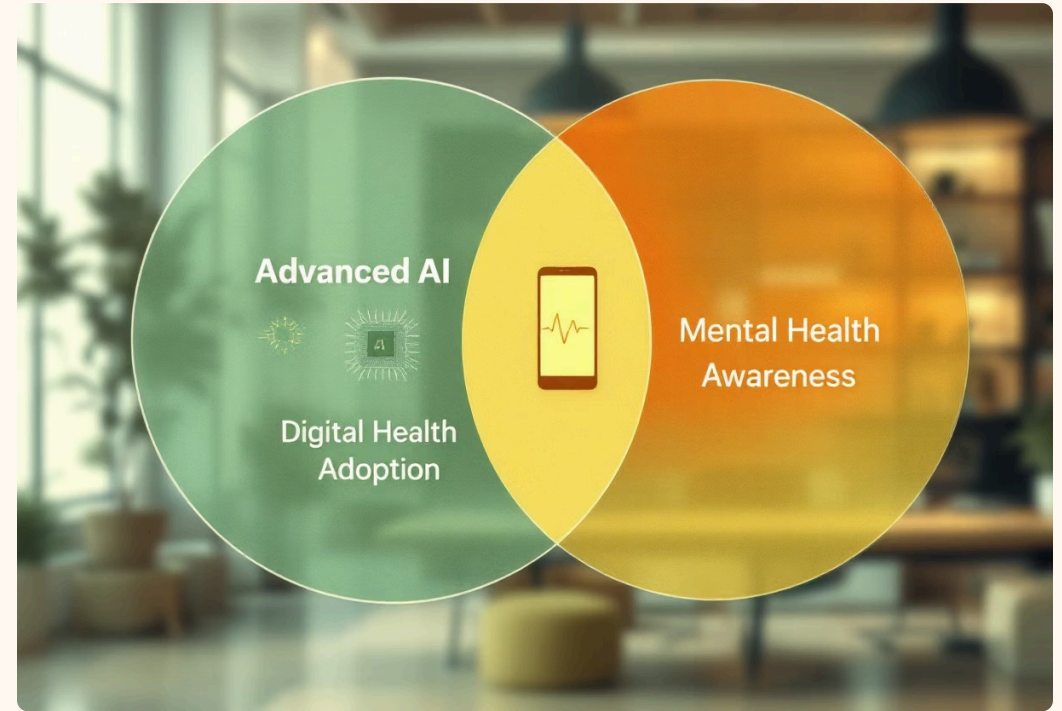
**The total addressable market for emotionally intelligent healthcare applications in North America alone is projected to exceed \$45B by 2028.** This includes digital therapy platforms, AI-driven diagnostics, personalized wellness systems, and organizational mental health solutions — all of which Neuralyn is strategically positioned to deliver through its growing product ecosystem.



# Why Now: The Perfect Storm of Technology and Need

Three critical factors have converged to create the perfect moment for Neuralyn's emotionally intelligent healthcare approach. First, AI capabilities have reached a breakthrough point in natural language processing and emotion recognition, making our technology possible for the first time.

Second, the pandemic has dramatically accelerated healthcare's digital transformation, with 76% of patients now comfortable using digital health tools, up from just 11% in 2019. Finally, we're experiencing unprecedented awareness of and openness about mental health challenges.



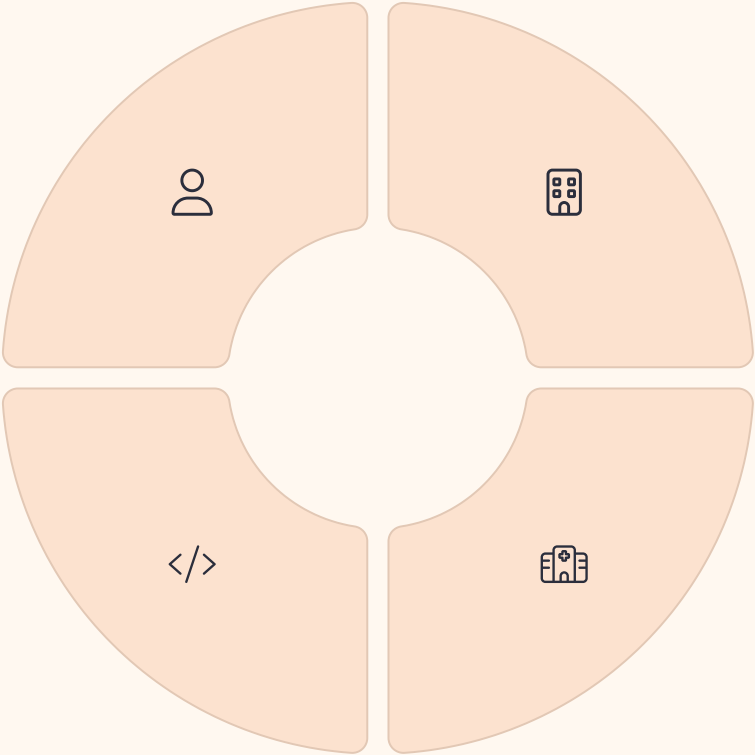
# Business Model & Go-to-Market Strategy

## Direct-to-Consumer

Affordable AI therapy at \$14.99/month or \$149.99/year, 24/7 access to personalized voice-based therapy for individuals seeking emotional resilience and mental clarity.

## API Licensing

Developers can build emotional wellness into their own platforms with our adaptive API stack which starts at \$0.01 per call, with enterprise tiers available.



## B2B Enterprise

Corporate mental wellness at \$7.99/employee/month, includes emotional intelligence dashboards, HR integration, and wellness scoring analytics.

## Healthcare Providers

White-label solutions for hospitals and clinics with patient monitoring dashboards and outcome reporting at \$10K-50K/month

### 1 Launch Strategy

- **Q3 2025:** D2C rollout
- **Q4 2025:** B2B partnerships begin
- **Q1 2026:** Healthcare provider integrations

### 2 Channel Development

Strategic partnerships with major health insurers and employee benefits platforms to accelerate distribution

### 3 Market Expansion

Phased rollout of additional products with cross-selling opportunities to established user base



# Join Us in Revolutionizing Healthcare

## Our Team

**Nithin Rajulapati** - Computer Science graduate and AI researcher with hands-on expertise in building end-to-end healthcare AI systems. Creator of *HealMind\_AI*, with deep technical leadership in voice-based emotion recognition and personalized therapy automation.

**Lalitha Velagapudi** - AI enthusiast with a strong foundation in tech and strategy. Leads product vision across Neuralyn's roadmap including VOXHEART, DiabeX, and NeuraDiet, with a sharp focus on clinical value and ethical AI deployment.

We are raising **\$250K in Pre-Seed funding** on a SAFE with a ~\$2.5M valuation cap to:

- Finalize HealMind\_AI's public launch
- Build out mobile apps for iOS and Android
- Secure 1,000+ early users and gain clinical feedback
- Lay the groundwork for future AI-based wellness innovations



\$100K

### Product Finalization

Refine and secure the core HealMind\_AI engine, integrate voice/text emotion detection, and prepare for mobile deployment.

\$75K

### Clinical Validation

Initiate collaborations with licensed therapists, clinics, and academic partners to pilot emotional AI therapy.

\$75K

### Go-to-Market

Activate our early adopter funnel with students, remote workers, and therapy providers. Launch pilot with 1,000 users.

**With your investment, Neuralyn won't just enter the healthcare AI market, we will define its future.** We are pioneering the emotional intelligence layer that's been missing in digital health for decades. This isn't just another mental wellness app, it's the operating system for emotionally-aware healthcare.

In a world drowning in clinical noise and disconnected solutions, **Neuralyn listens, understands, and heals at scale.** The \$80B+ wellness market is hungry for real empathy, not algorithms. **We're not building an app; we're engineering the human connection back into AI.**

**Investing in Neuralyn means owning the moment healthcare finally learns to care.**

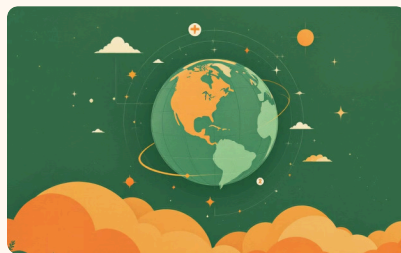


# Let's Connect



## Email Us

invest@neuralyn.health



## Visit Our Website

www.neuralyn.health



## Our Headquarters

Chicago, IL

We're ready to talk. Are you?

Contact Us

Visit Website

**Neuralyn:** The Brain Behind Better Health