

THE PROBLEM



Post-discharge mental health care is often **inefficient** and manpower-intensive. Hospitals and clinics struggle to provide timely and effective post-discharge check-ins due to limited resources, leading to **gaps in patient support** and **increased risk of relapse**.



How can we **reduce** the **strain** on **manpower** for post-discharge procedures, whilst improving the **efficacy** of **post discharge check ins** for **mental health patients**?

OUR SOLUTION - ECHOMIND



DOCTORS

Web Platform – Doctors register on the EchoMind platform.
Telegram Chatbot – Each registered doctor has a linked Telegram chatbot for instant alerts.



PATIENTS

Web Platform – Patients register and select their preferred daily check-in time.
AI-Powered Daily Check-ins – Telegram chatbot conducts scheduled emotional health check-ins.



SYSTEM

Sentiment Analysis & Risk Detection – The chatbot analyzes patient responses to detect warning signs.
Automated Alerts to Doctors – If risks are detected, updates are sent to the system and the doctor receives a Telegram alert.

DOCTOR DASHBOARD & INSIGHTS

Doctors log in to review patient records, including:



- Patient Sentiment Trends
 - a. Last Check-ins & Recent Chat History
 - b. Current Sentiment Score & Weekly Trends
 - c. Mental Health Status (Moderate, Good, Critical, etc.)
- Session Completion & Engagement Levels
- Insights & Alerts (Stable, Slightly Unstable, Critical, etc.)
- Common Themes (Anxiety, Sleep Issues, Eating Disorders, etc.)

BUSINESS IMPACT



\$12.8M Annual Savings

For a 5,000-patient cohort, reduced readmissions (-29%) and nurse hours (-18h/week) yield ROI of 4.2x.



37% Faster Intervention

Alerts triggered 11 days pre-crisis vs. 7 days for standard protocols.



52% Adherence Boost

Daily check-in completion rates reached 89% vs. 34% for monthly clinic visits.



Public-Private Partnerships

Integration with National Electronic Health Record (MOH, IMH, hospitals)



Insurance Adoption

AI-generated risk scores help insurers refine policies, expanding coverage for mental health, expanding coverage to 92% of previously excluded patients.



Scalability & Market Potential

- Multilingual AI → Ready for ASEAN markets
- Cost-efficient → AI monitoring 83% cheaper than human-led models
- Data Insights for Hospitals, NGOs, and Employers



B2B Model

Hospitals, insurers, and corporate wellness programs pay for AI-powered monitoring & analytics.



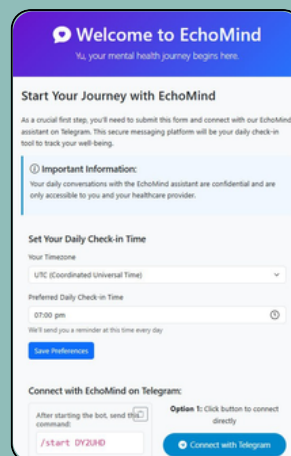
B2C Model

Subscription-based mental health support (premium AI-assisted check-ins & therapist matching)

GRAPHICS

1

Registration on Website



Welcome to EchoMind
Your mental health journey begins here.

Start Your Journey with EchoMind

As a crucial first step, you'll need to submit this form and connect with our EchoMind assistant on Telegram. This secure messaging platform will be your daily check-in tool to track your well-being.

Important Information:
Your daily conversations with the EchoMind assistant are confidential and are only accessible to you and your healthcare provider.

Set Your Daily Check-in Time

Your Timezone
UTC (Coordinated Universal Time)

Preferred Daily Check-in Time
07:00 pm

We'll send you a reminder at this time every day.

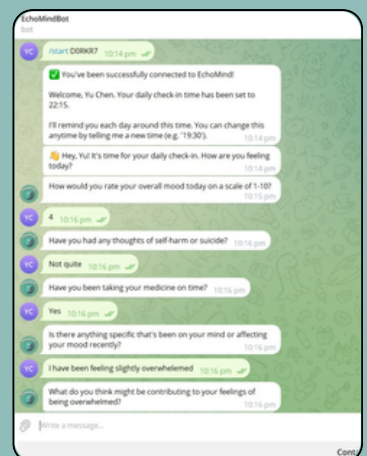
Connect with EchoMind on Telegram:
After starting the bot, send the command: /start DY2URD

Option 1: Click button to connect directly

Connect with Telegram

2

Daily Checkups Via Telegram Chatbot



EchoMindBot

Start D08K07 10:14 pm

You've been successfully connected to EchoMind!

Welcome, Yu Chen. Your daily check-in time has been set to 22:15.

I'll remind you each day around this time. You can change this anytime by telling me a new time (e.g. "19:30").

Hey, Yul! It's time for your daily check-in. How are you feeling today?

How would you rate your overall mood today on a scale of 1-10?

4 10:14 pm

Have you had any thoughts of self-harm or suicide?

Not quite 10:14 pm

Have you been taking your medicine on time?

Yes 10:14 pm

Is there anything specific that's been on your mind or affecting your mood recently?

I have been feeling slightly overwhelmed 10:14 pm

What do you think might be contributing to your feelings of being overwhelmed?

10:14 pm

Write a message...

3

Bot detects warning signs & doctor assesses through website.

