



RCB.Inc.

# MediCall

“Your daily dose of assurance.”

Project made by

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# **Problem Statement:**

**Millions of patients—especially the elderly—struggle with:  
Forgetting to take medications on time**

- **Complex medication schedules**
- **Language barriers**
- **Limited caregiver supervision**
- **Lack of timely follow-up when doses are missed**

**This leads to:**

- **Poor treatment outcomes**
- **Hospital readmissions**
- **Health risks due to medication mismanagement**

# Our Solution:

An AI-powered automated calling system that:

- Calls patients at exact medication times
- Uses multilingual voice AI to communicate clearly
- Logs whether the patient has taken their medication
- If the patient doesn't answer → notifies family head(s)
- Stores all data in a secure dashboard for caregivers

A complete ecosystem to improve medication adherence and family involvement



# Introduction: Our commitment to your well-being

A smart, multilingual AI-powered medication reminder and family notification system designed to ensure patients never miss their prescribed medicines — while keeping families informed and involved.

Our platform connects patients, caregivers, and families through:

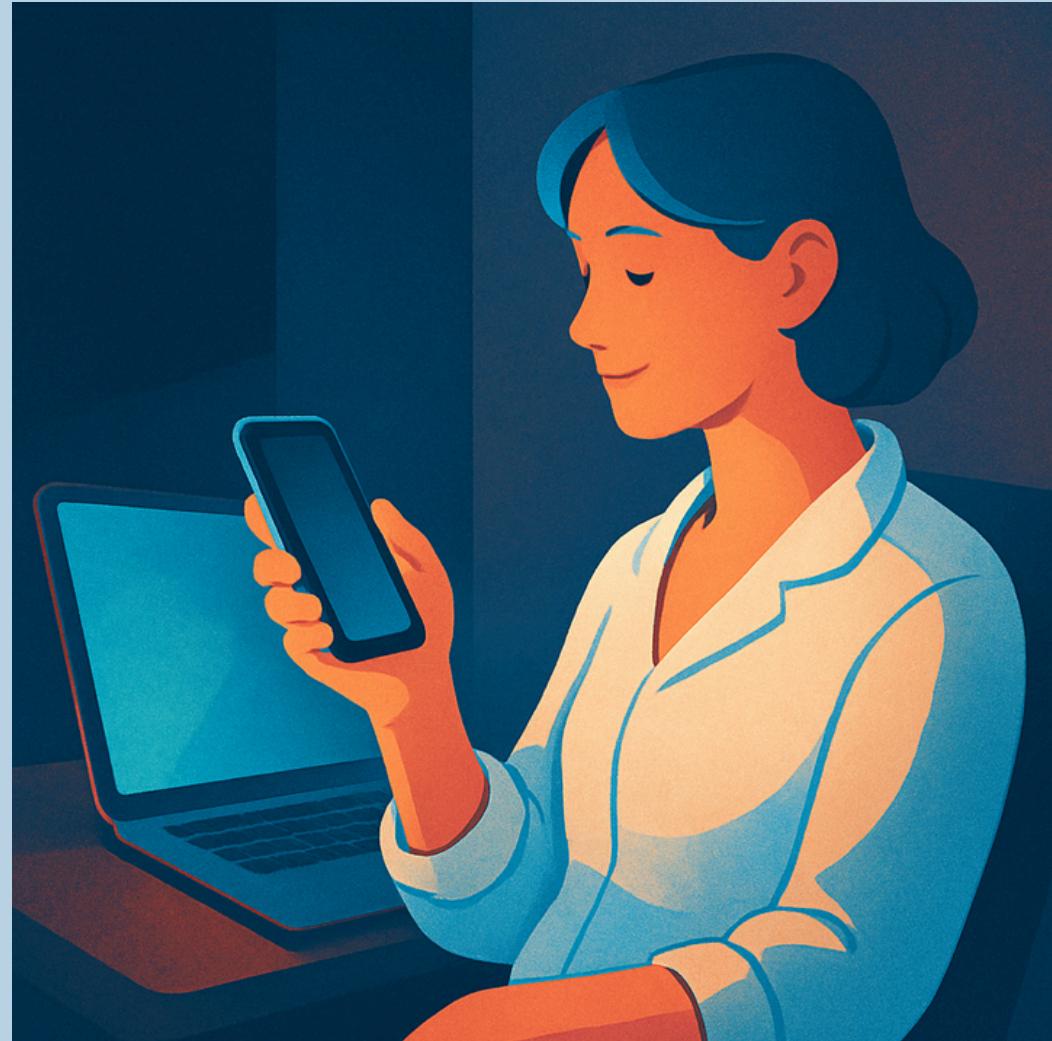
- Automated AI phone calls
- Real-time medication tracking
- Multi-language support
- Escalation to family members when needed
- A centralized monitoring dashboard

MediCall AI brings technology, communication, and care together to improve medication adherence and overall patient well-being.

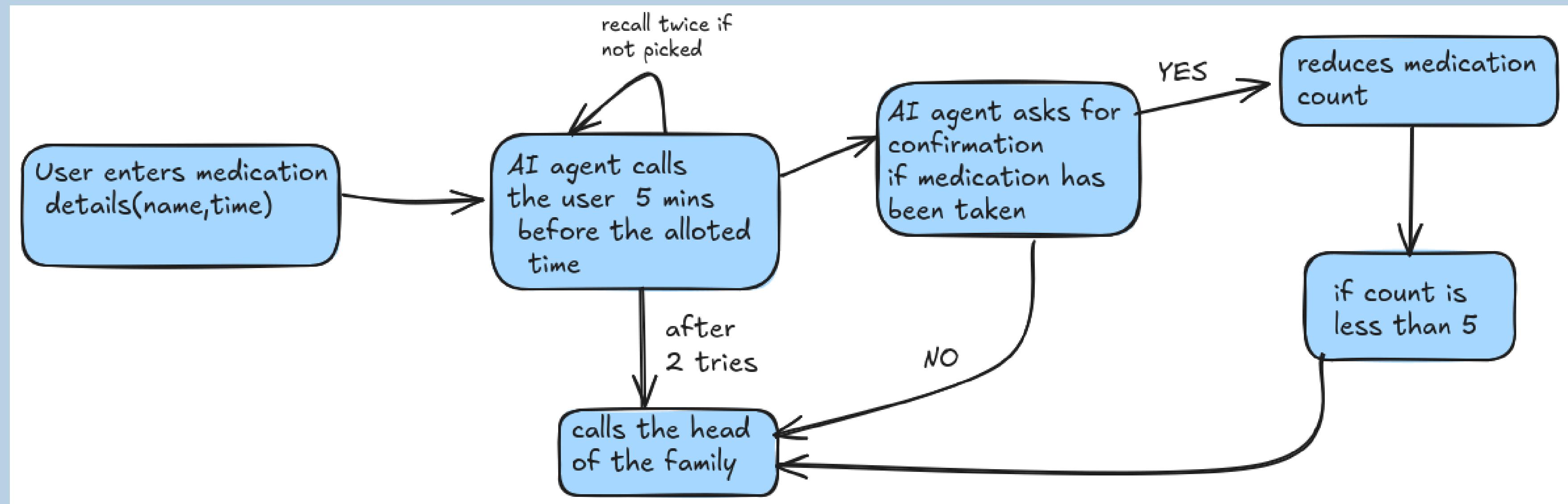


# How it works?

- Family HEAD enters patient + medication details
- System schedules calls automatically
- AI agent calls patient at medication time
- Patient confirms or declines
- If patient misses:
  - → AI calls family head(s)
- Dashboard records everything



# Flow Diagram



# AI Call Flow Example

At 8:00 AM:

AI Agent calls patient in their chosen language:

“Good morning! This is your reminder to take Amlodipine 5mg. Have you taken your medicine?”

- Patient says Yes → Logged as Taken
- Patient says No → Encourages them, logs Not Taken
- No response → Calls family head:
- “Your family member missed their medication.”



# Key Features:

Our key features ensure patients never miss important medications, with timely multilingual AI reminders and clear tracking. If a patient doesn't respond, family heads are instantly notified, adding an extra layer of safety.

With organized logs and easy multi-family management, the system keeps healthcare simple, reliable, and connected for everyone.

01.

## Automated AI Call Agent

- Personalized voice reminders
- Multilingual communication
- Smart call escalation to family heads

02.

## Medication Tracking

- Dosage, frequency, schedule
- Start/end dates
- Logs of taken/missed pills

03.

## Family & Patient Management

- Multiple families
- Multiple patients per family
- Multiple family heads
- Contact hierarchy & escalation rules

# Automated AI Call Agent

- Human-like Ai voice makes Phone calls to patients
- Speaks in their chosen Indian Language
- Reminds them: Medicine name, Dosage, Time to take it
- Can ask simple follow-up questions
- if the call is unanswered → retries and calls the head

# Medication Tracking

**System logs when each reminder is sent.**  
**Tracks whether the patient confirmed intake**  
**Generates daily/weekly adherence patterns**  
**Enables doctors/family to monitor patient health**



# **Family & Patient Management**

## **Patient Management:**

- Patient profiles stored securely
- Medicine schedule stored with dose and timing
- Language preference stored

## **Family management:**

- Caregiver contact is linked
- Automatic escalation if patient doesn't pick up the call
- Family receives the medicine details + timing
- Ensures accountability & safety

# **Impact of the System**

- Reduces missed medication doses
- Improves long-term treatment effectiveness
- Helps elderly users without needing apps
- Gives families peace of mind
- Supports healthcare providers

# What makes us different!

## 1. Active voice escalation (not just notifications)

- Most apps use push/SMS alerts. Your app calls the patient and, if unanswered, automatically calls the family head. This provides stronger safety for elderly and low-tech users.

## 2. Inventory-aware voice calls for restocking

- Other apps give refill reminders, but yours uses live pill count + automated voice calls to remind or escalate restocking – a much rarer feature.

## 3. Unified escalation workflow

- Your app links the whole chain: call → escalate → notify → restock, all in one system. This end-to-end automation is uncommon in current apps.

## 4. Works even for low-smartphone or low-literacy users

- Voice calls ensure people who ignore notifications or struggle with smartphones still receive reminders reliably.

# Conclusion:

**Our System solves a real-World healthcare problem**  
**Combines AI, automation, multilingual support & telephony**  
**Makes medication adherence simple and reliable**  
**Improves patient safety and outcomes**