

Pill Plus: Portable Smart Pill Box

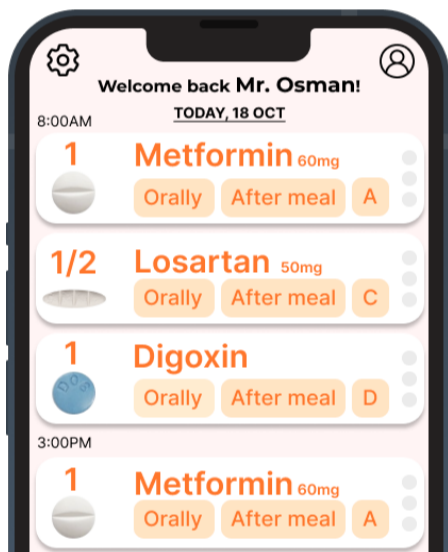
Discover how our innovative smart pill box, in collaboration with a dedicated mobile app, is revolutionizing the lives of elderly individuals. Through this dynamic combination, we provide medication intake reminders, clear instructions, and automated monitoring capabilities, bridging the gap between patients and healthcare professionals.



Nearly 30% of the elderly are reported being non-adherent to their prescription medications. Typically, adherence rates of 80% or more are needed for optimal therapeutic efficacy.

Source : Prevalence and predictors of medication non-adherence among older community-dwelling people with chronic disease in Singapore
J Adv Nurs. 2021Oct;77(10):4069-4080

1. Medications and health are well-managed by reaching target goals set by doctors and avoid complications
2. To be aware of the importance of following the medication regimen with ease of understanding
3. Well-controlled conditions to reduce the number of drugs taken and overall cost
4. To avoid burdening his children



Reduces mental load



Upload patient medication list remotely

Healthcare professionals can send a new patient medication list to patient's app



Daily reminders



Intake instructions

Multi-use storage compartments

Stores up to 6 different pills and other type of medication

Patient can have up to 6 different pill prescriptions and ie. an inhalator, spray, cream or eye drops prescription



Increases compliance

Logs timestamps of medication intake

App receives timestamp data from the smart pill box and marks medication intake automatically

Doctor and patient get a monthly compliance report



Persona Uncle Osman, 65

Laura Sirkiä
Rodrigo Suarez
Soléne Daru
Alexandre Peral
Pin-Hao Huang

Has different comorbidities
See 2 doctors : cardiologist & endocrinologist
Absent Caregiver & Limited Social Support
Living with his wife
Highest education at primary 6
Employed with low income
Has an average health insurance coverage

	Initial consultation	Medication management at home	Follow-up Doctor's appointment
Actions	<ul style="list-style-type: none"> Travel to clinic Get checked + Get prescription Collect medication 	<ul style="list-style-type: none"> Store medication Keep track of when medication was taken Review intake instructions and timings 	<ul style="list-style-type: none"> Travel to clinic Get checked Refill medication if needed
Touch Pts	<ul style="list-style-type: none"> Transportation Clinic Doctor 	<ul style="list-style-type: none"> Notepad Medication package Clock/Alarm 	<ul style="list-style-type: none"> Transportation Clinic Doctor
Emotions	Sick	Improving	Feeling better
Pain Pts	<ul style="list-style-type: none"> Get familiarized with a new prescription Memorize instructions 	<ul style="list-style-type: none"> Lack of caregiver Remember instructions Remember which pills to take 	<ul style="list-style-type: none"> Explain patient adherence to the doctor If getting a new prescription - familiarize with the new regimen
Opportunity	<ul style="list-style-type: none"> HMW reduce mental load from patient 	<ul style="list-style-type: none"> HMW help patient to comply with medication 	<ul style="list-style-type: none"> HMW help patient prove compliance to doctor HMW help patient to familiarize with new prescription