

# Home Pharma

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**Abstract.** *The goal is to make it easier to stock up on medicines at home, help control the times you use your medicines and locate pharmacies with more affordable prices*

**Resumo.** *O objetivo é facilitar o estoque de remédios em casa, ajudar a gerenciar os horários de uso dos remédios e localizar as farmácias com preços mais acessíveis.*

**Resumen.** *El objetivo es facilitar el abastecimiento de medicamentos a domicilio, ayudar a gestionar los tiempos de uso de los medicamentos y localizar farmacias con precios más asequibles.*

## 1. General Information

The first objective is to help the user with the stock of medicines at home, the second objective would be to remind the user to take the medicine at the appropriate time and the third to find a more affordable price in pharmacies.

A survey by IBOPE Inteligência[1], conducted at the request of the Brazilian Association of Pharmacy and Drugstore Chains (Abrafarma) in 2015, shows that 31% of the Brazilian population say they sometimes forget to take their medicines. According to 30% of those interviewed, the main reason for non-adherence to treatment is the high price of the medicine and 20% say they have difficulty remembering when to take their medicines.

Some researches confirm that some people after covid-19 had cognitive symptoms such as difficulty finding the right word (18.6), memory problems (18.3), concentration problems (17.2) and difficulty thinking clearly (10.3)

## 2. Theoretical Framework

Advances in mobile technology have enabled the development of health-related applications, including those that assist in medication control;

Medication reminder applications play a fundamental role in treatment adherence, as they minimize errors and forgetfulness on the part of the patient.

Thus, digital notification and delivery systems are a viable solution for patients to take their medications correctly.

Therefore, medication control applications must consider aspects such as usability, accessibility, and information security, so that user data is preserved and their functions meet the real needs of each user.

[1] IBOPE's Survey