

Aushad

The Indian Medicine System

TEAM
Malayaliano

Ishaan N
ഇഷാൻ

C Jeremy
മയിരമ്യോവ്

Mohak G
मोहक

Prafulla GS
പ്രപുല്ല

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Introduction

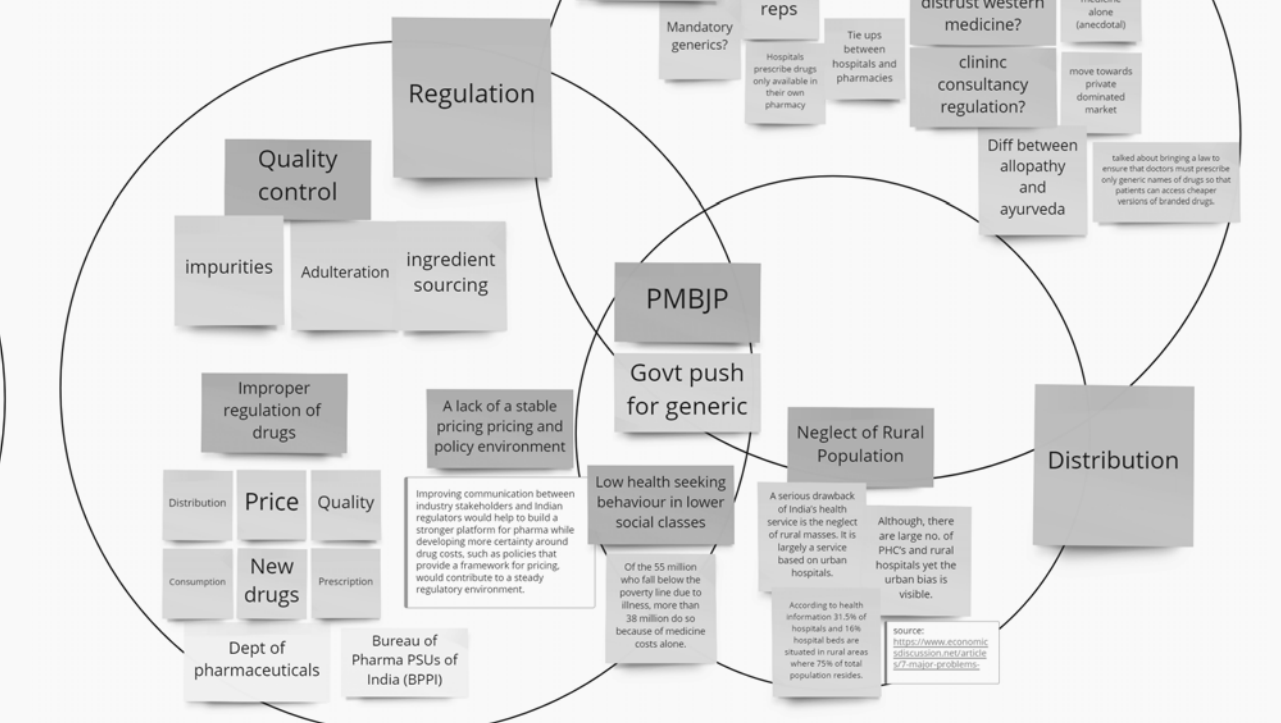
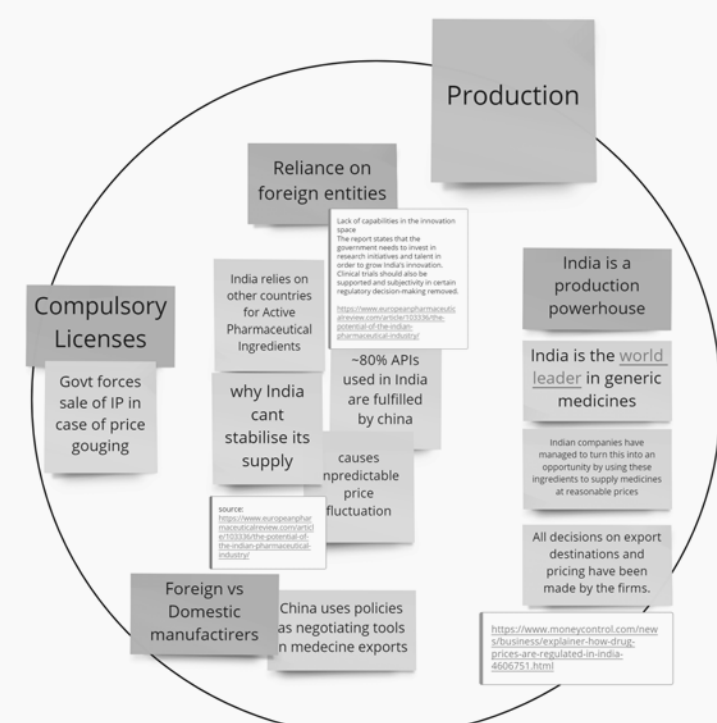
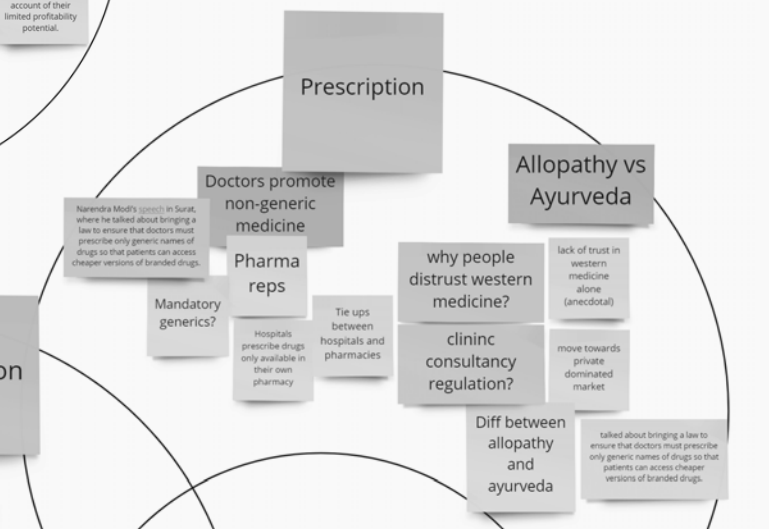
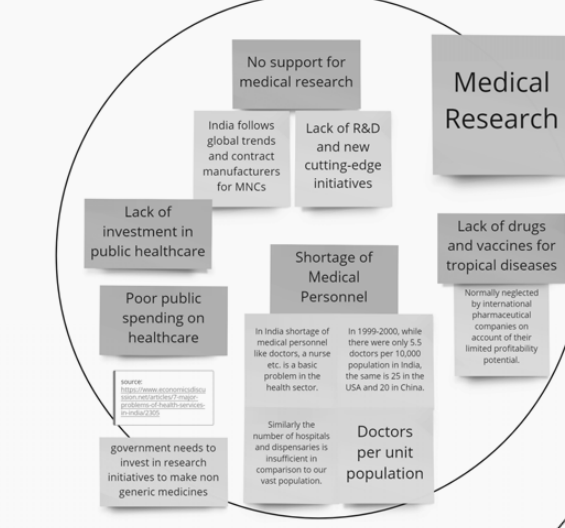
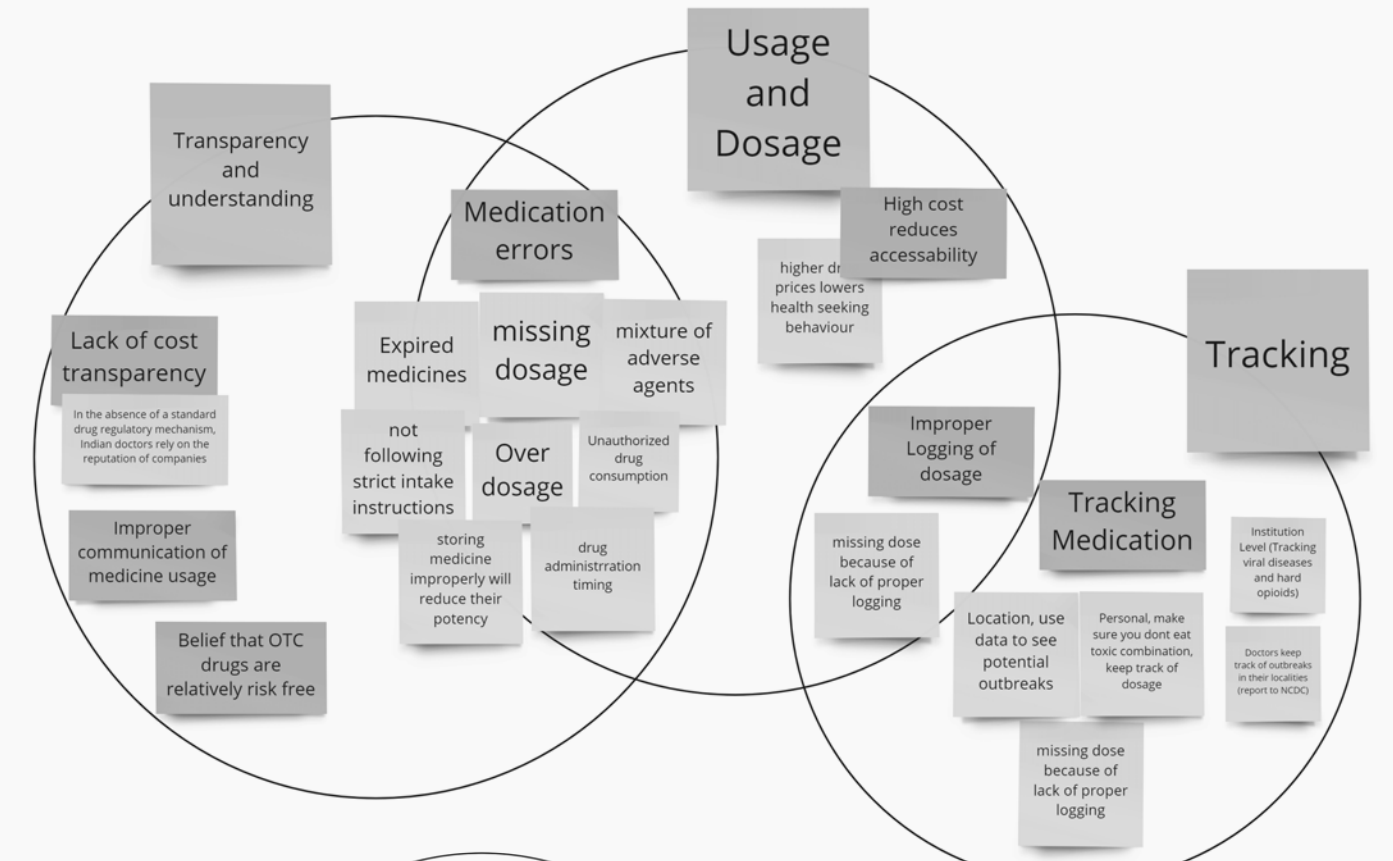
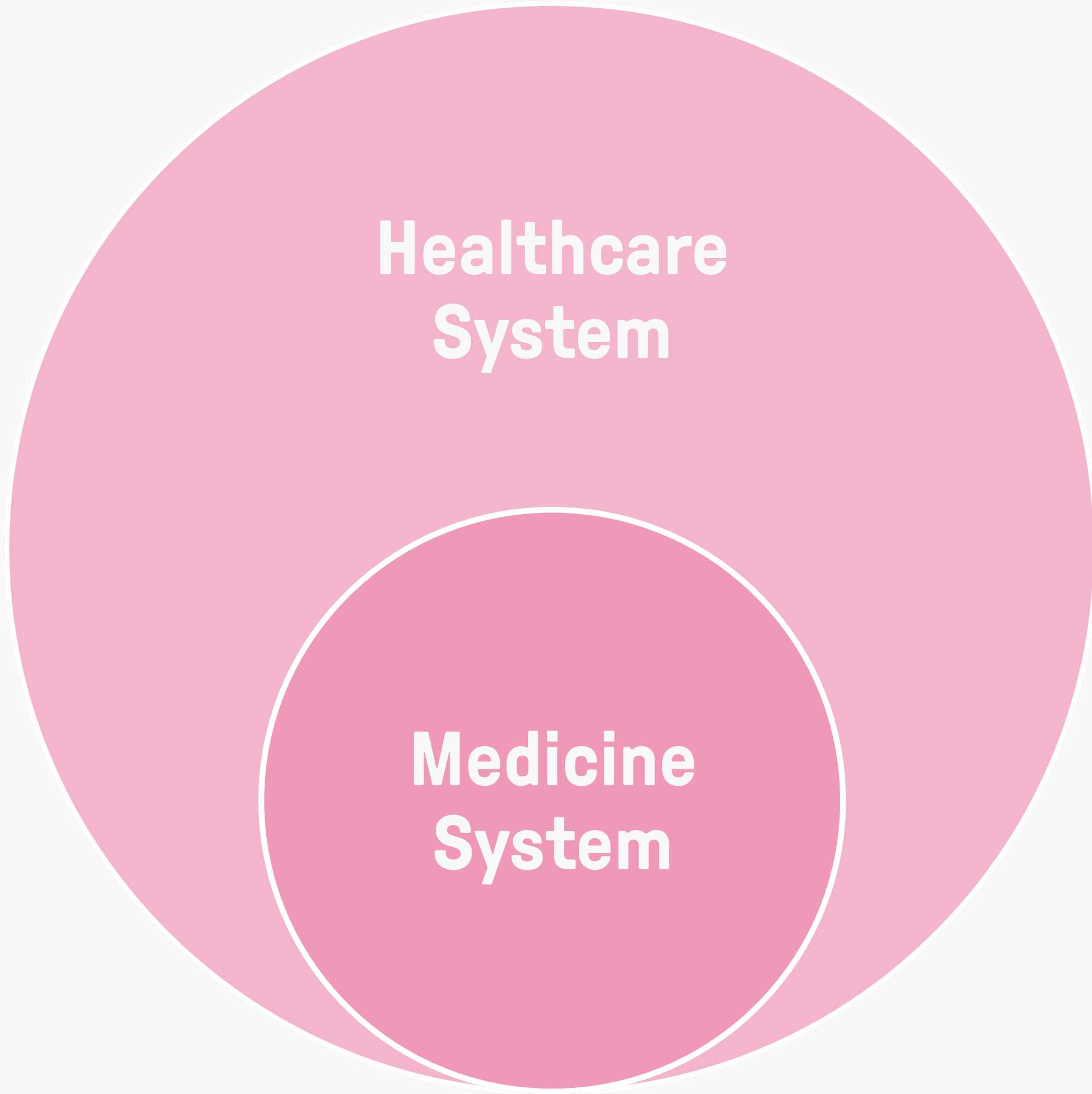
Introduction

The Medicine System

Research



Research



Entities & Variables

01

**Medical
Research**

02

Production

03

Distribution

04

Regulation

05

Prescription

06

**Transparency
and Understanding**

07

**Usage
and Dosage**

08

Tracking

Entities & Variables

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and Dosage

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Procurement

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Usage
and Dosage

08

Tracking

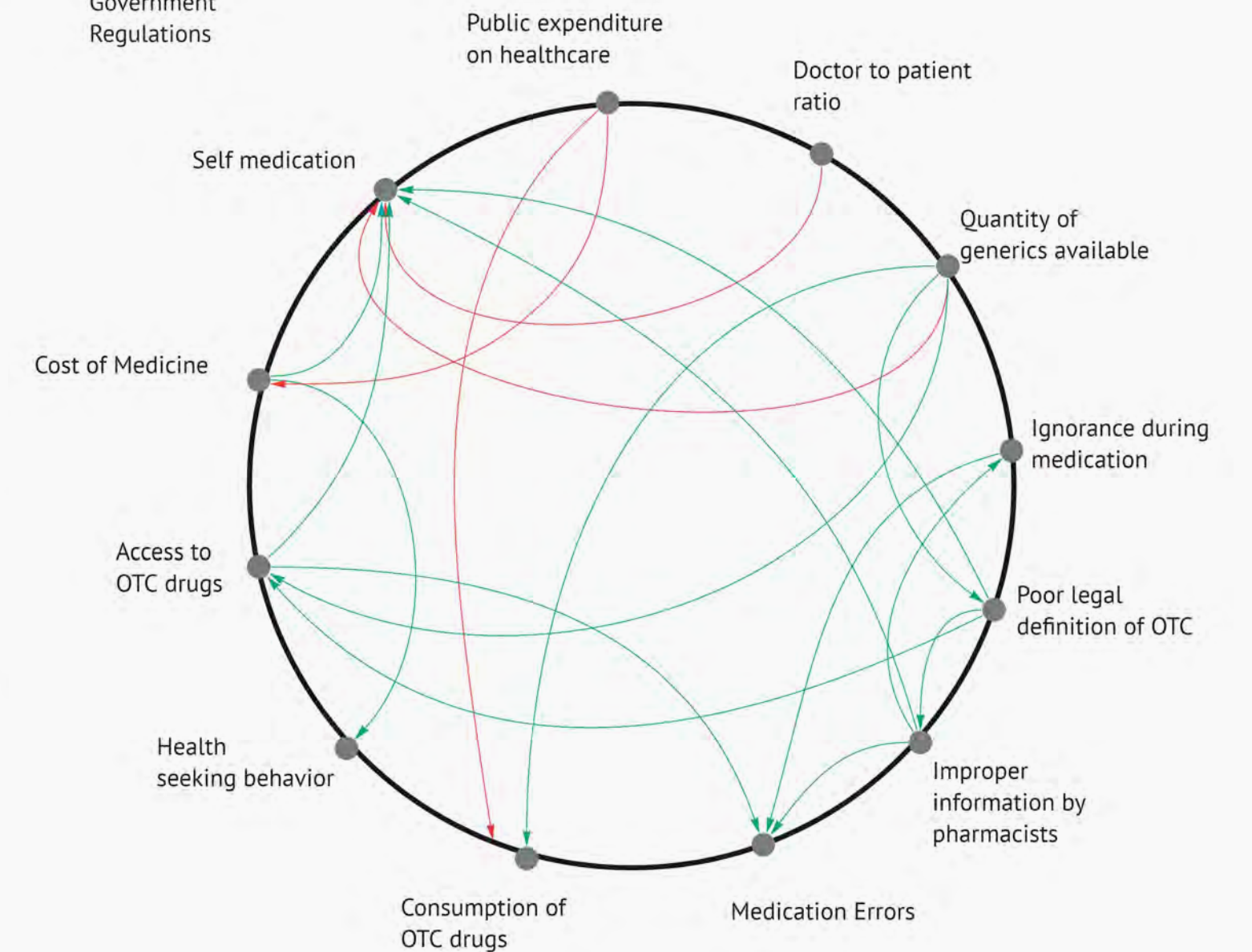
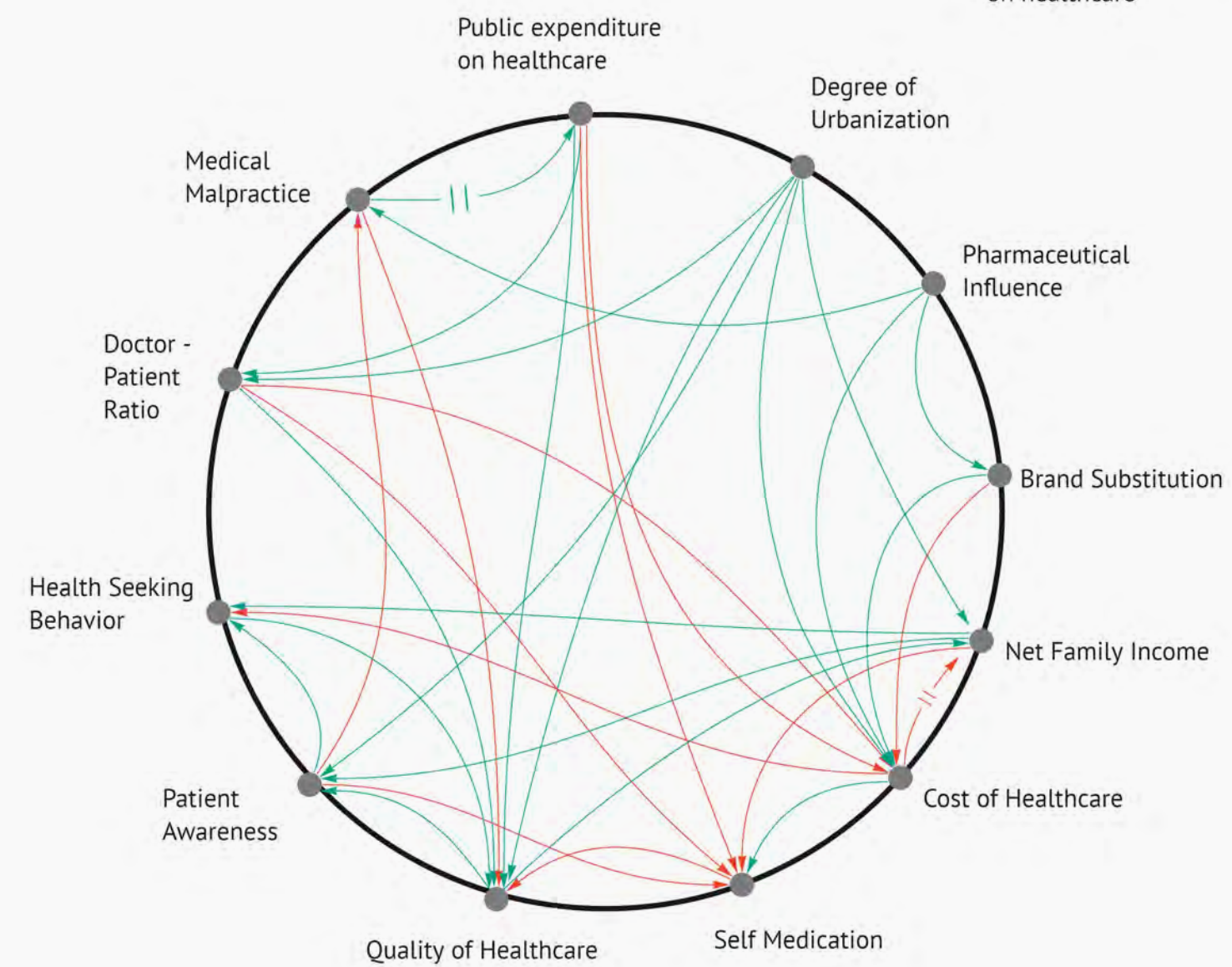
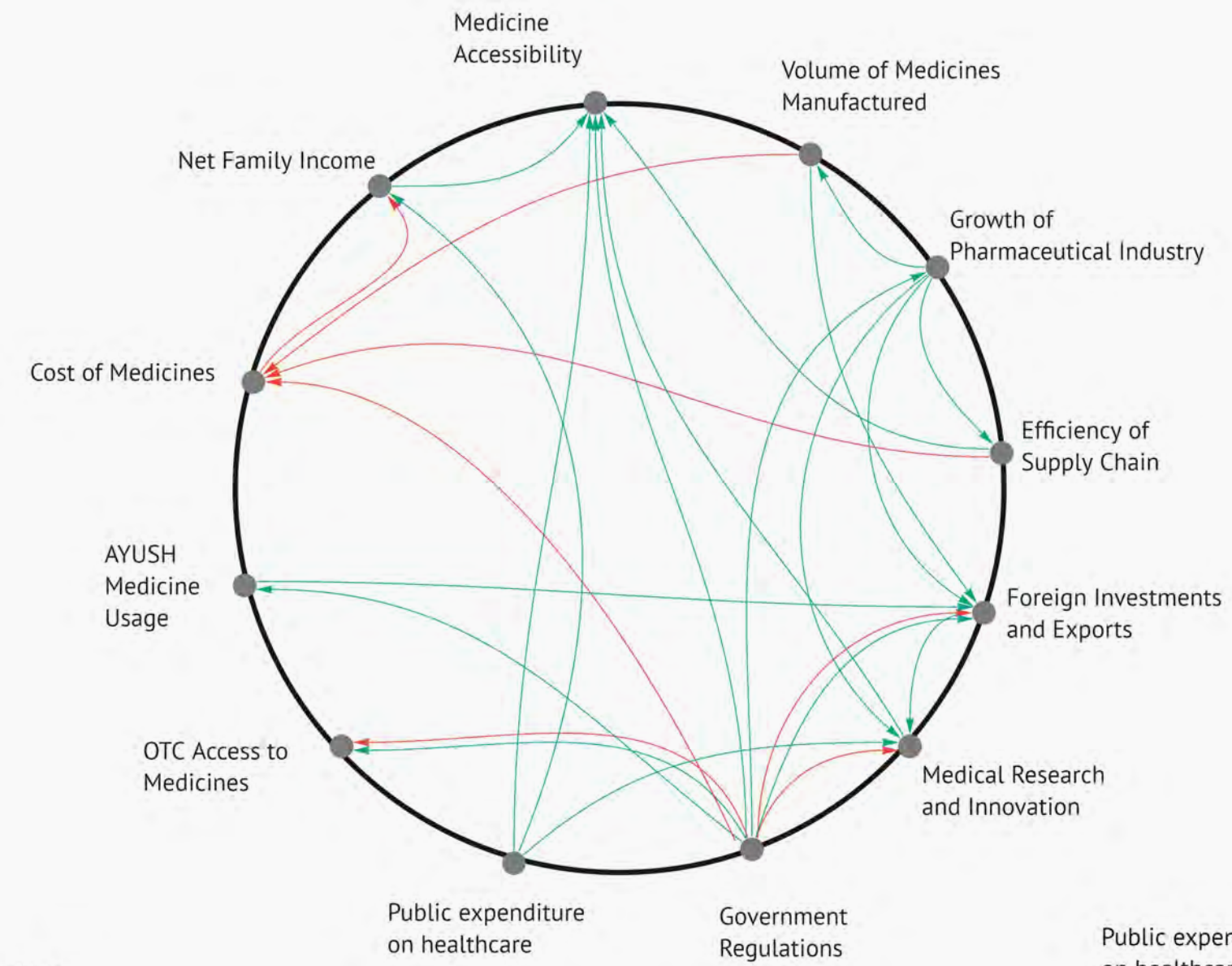
Usage

Sub-Systems

Prescription

Procurement

Usage



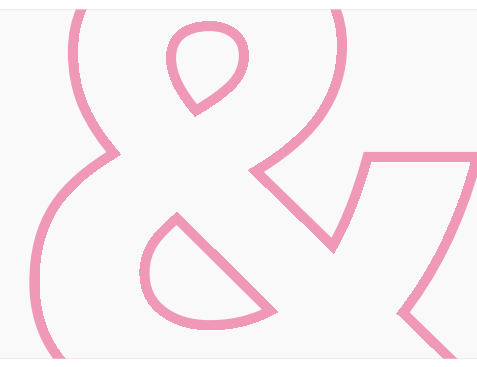
Problem

Problem

System Insights

Insights

Research Insights

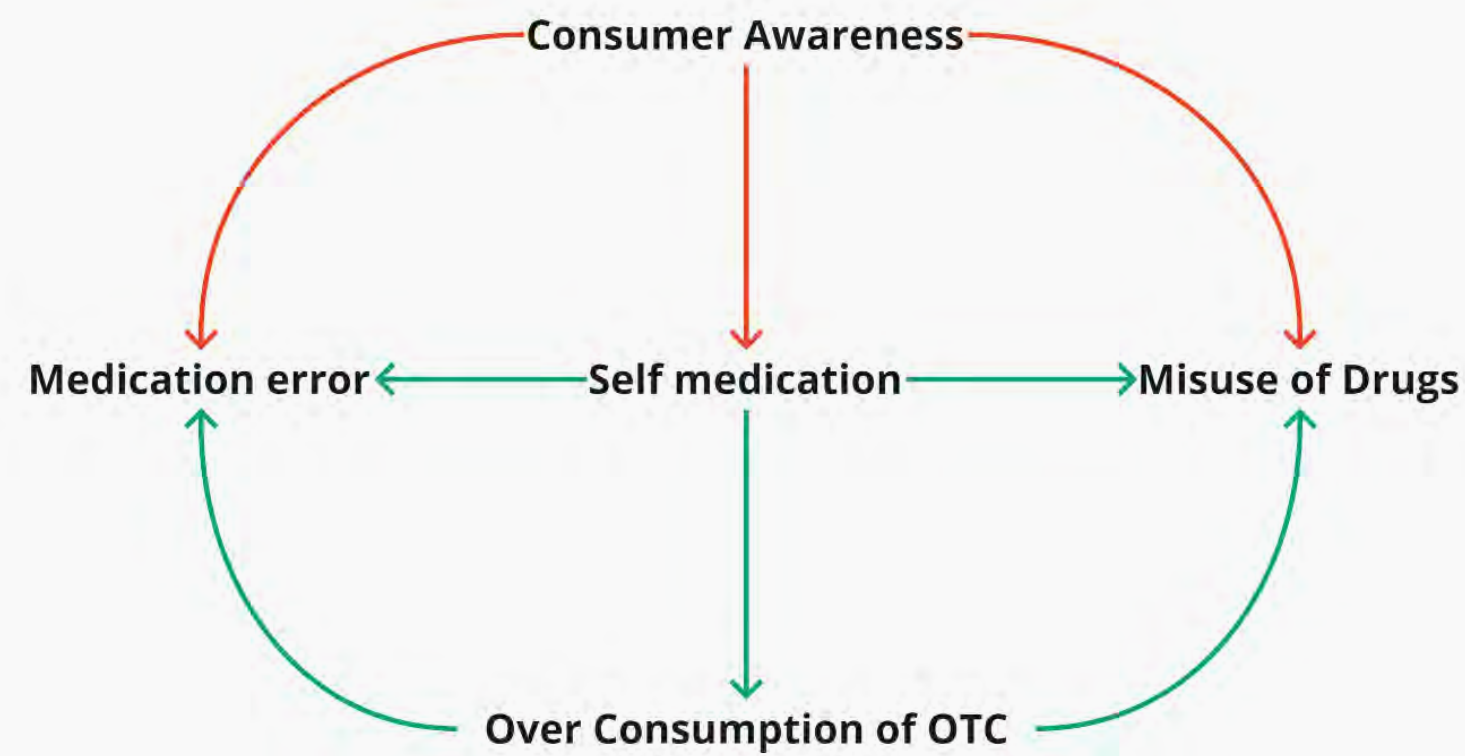


System Insights

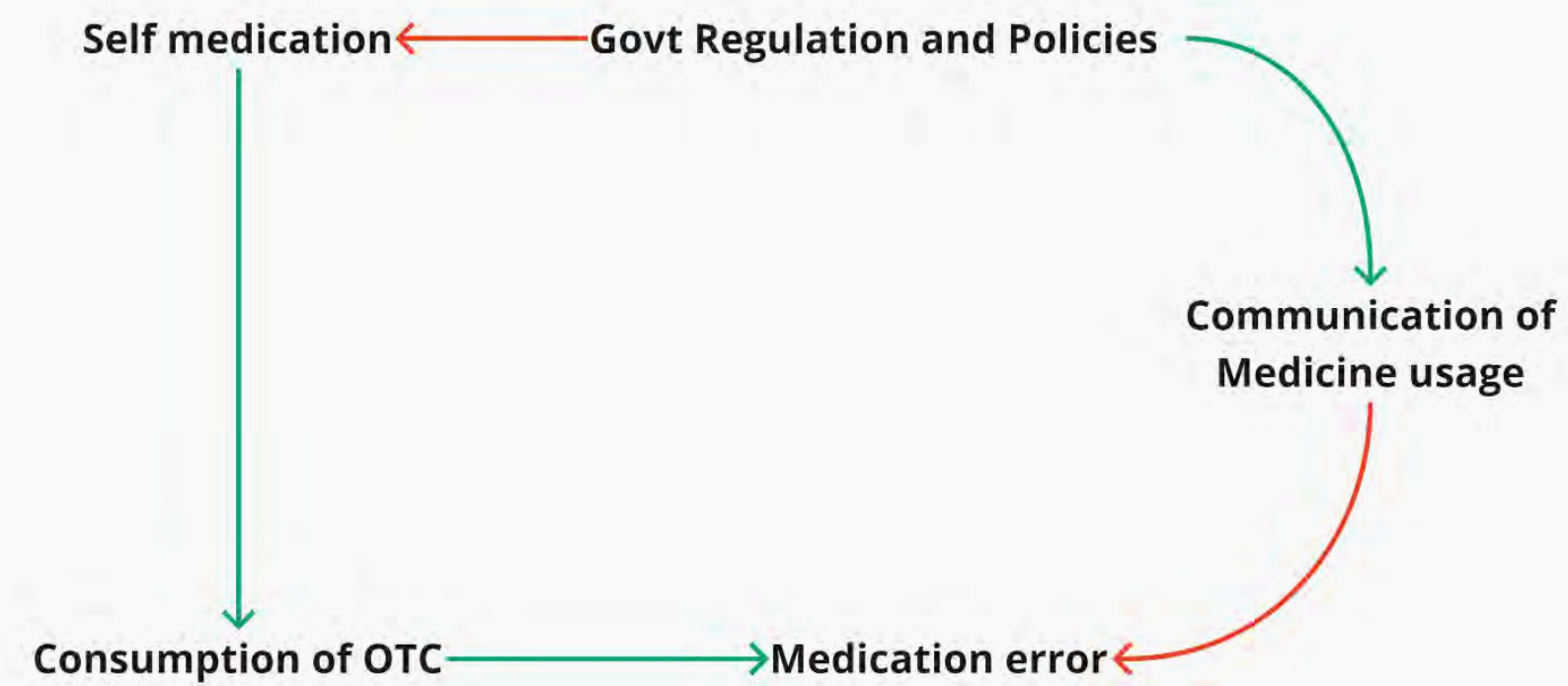
Research Insights



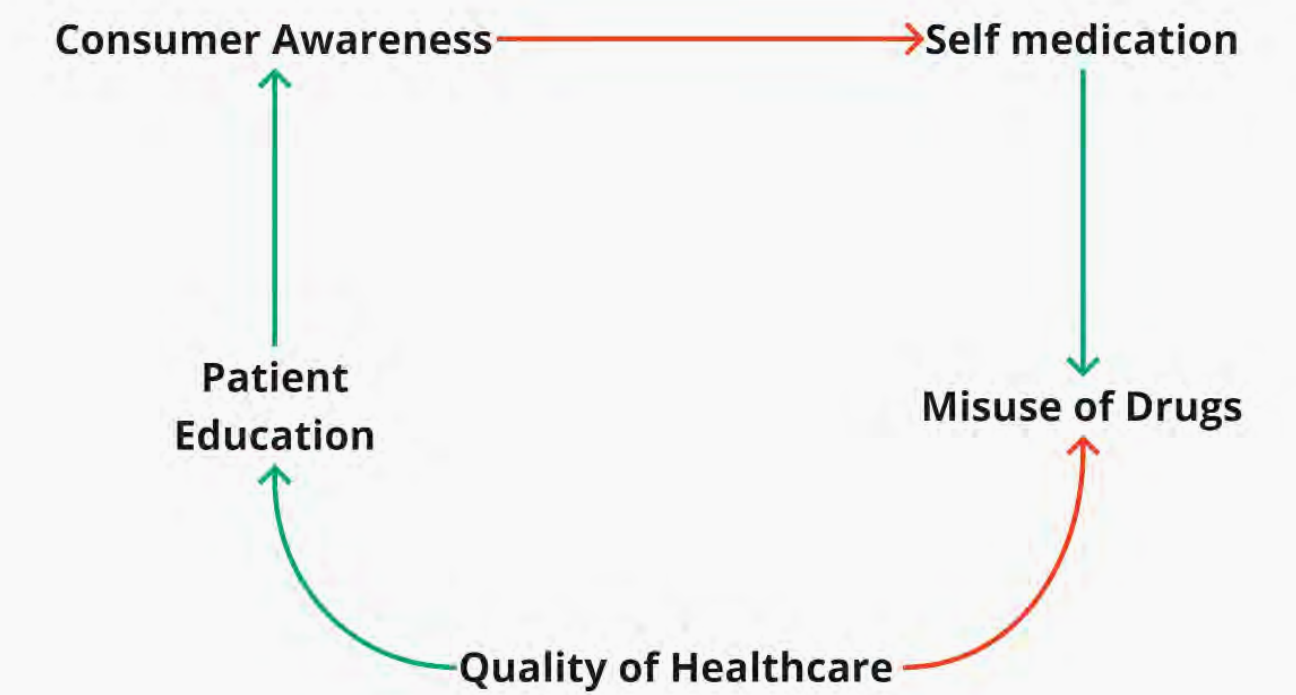
System Insights



Over consumption of OTC drugs occurs due to lack of consumer awareness and prominence of self medication



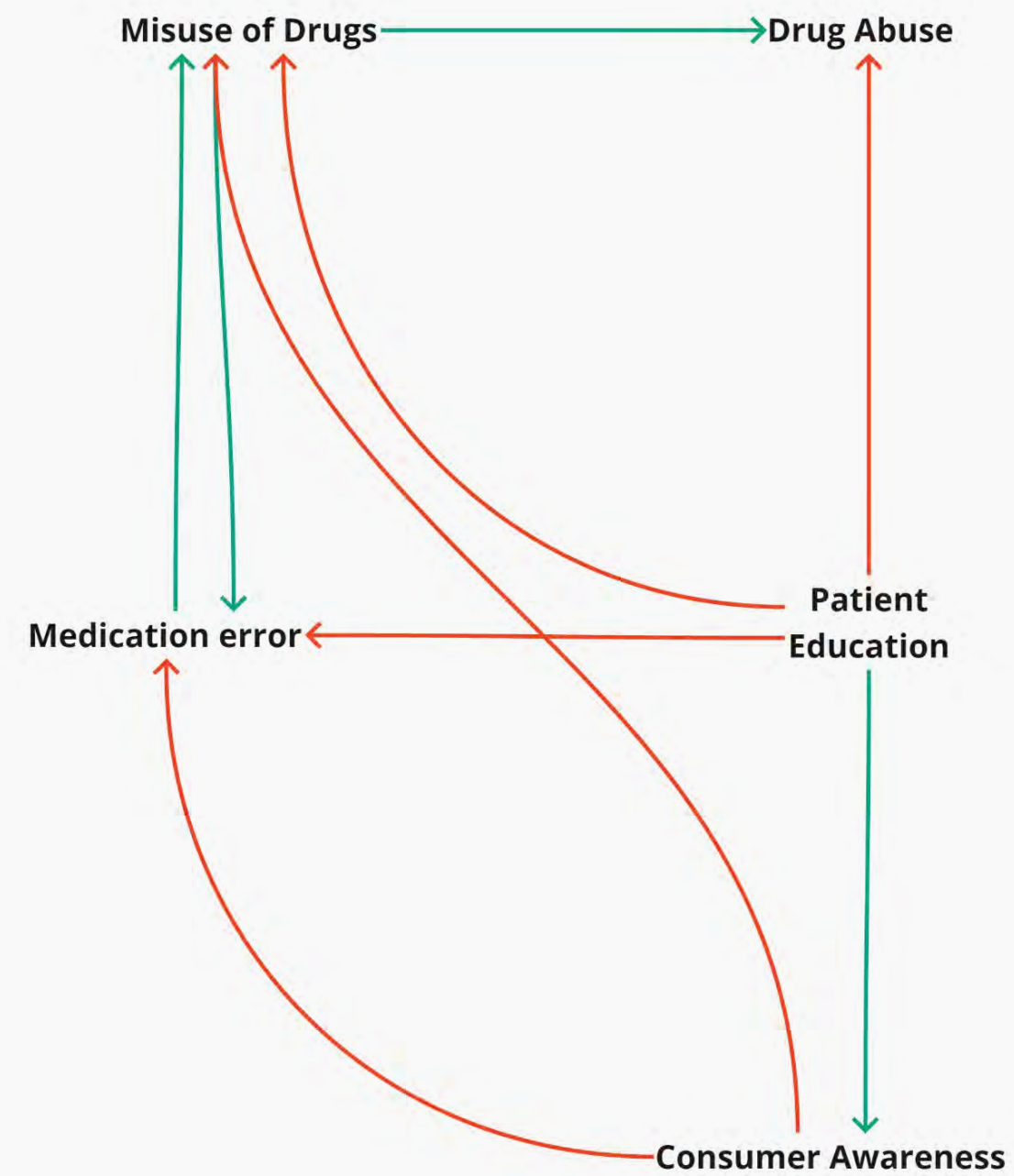
Medication errors often occur due to self medication



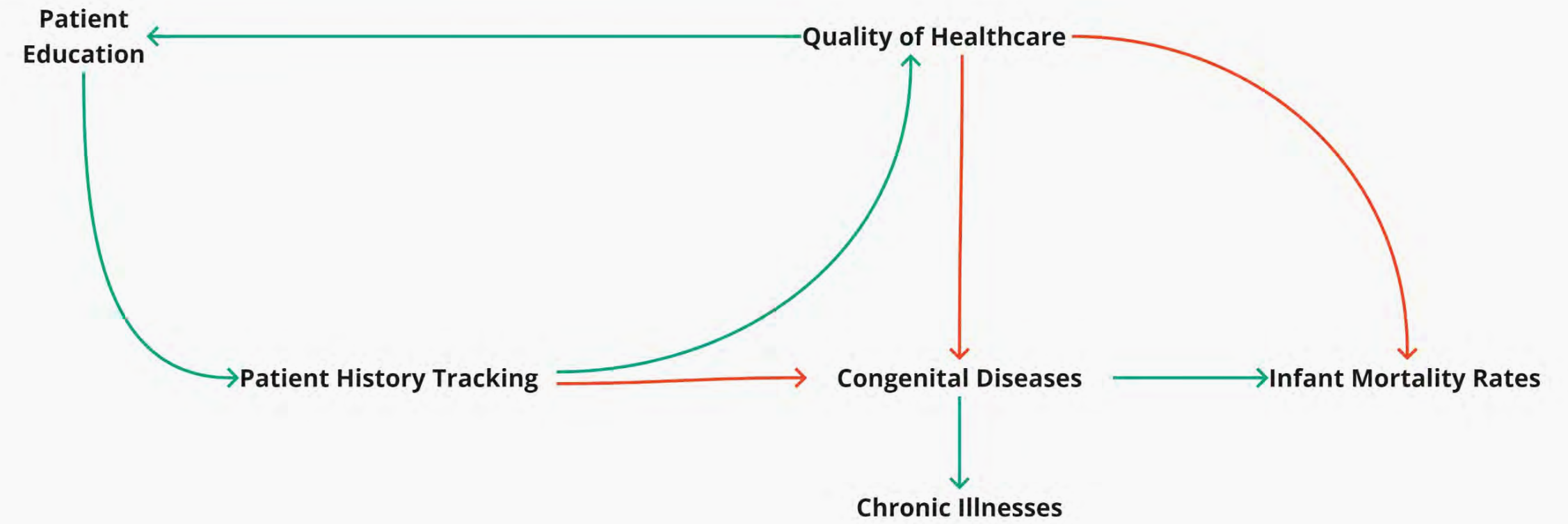
Misuse of drugs due to self medication

A lack of **consumer awareness** regarding OTC risks, and the prominence of **self-medication** leads to **drug misuse** and **medication errors**.

System Insights



Patient Education leads to less medication errors and misuse of drugs and leads to better consumer awareness.



Patient Education leads to better patient history tracking which improves the prognosis of congenital diseases and chronic illnesses.

Increased **Patient Education** leads to less misuse and medication errors while allowing for better **patient history tracking**.

Identified Problems

Comm. of Medicine usage	Medical Malpractice	Amount of trained Professionals	Corruption	Government schemes and initiatives	Misuse of Drugs	infant mortality rates	Consumer Spending on Healthcare
Indian Imports	Medication error	Trust in AYUSH	Industry malpractice	low quality generics	Govt Regulation and Policies	cheaper access to healthcare	Freq of Doctor Consultation
Fraudulent medical practitioners	Consumer Awareness	Medicine Availability	Rural access	low health seeking behaviour	Economic growth	Indian Exports	Quality of Medicine
Quality of Healthcare	Self medication	Variety of generics available	Doctors prescribing generics	Investments on Medical Research	Patients consulting pharmacists instead of doctors	Improvement in Supply Chain Management	Amount of OTC prescriptions by doctors
Net Family Income	Public expenditure on healthcare	Adverse urban conditions	Pharmaceutical Competition	Patient history Tracking	Disease Tracking	Drug Tracking	

Problem

Design Opportunities

Oppurtunities Identified

Over-the-Counter Access to Medicines

Definition and Regulation

Consumer Awareness of risks and usage

Enforcing Prescriptions

Transparency

Patient Medical Info Tracking

Patient Medical History Database

Standardized method of storage of medical history

Tracking patient medication

Tracking Diseases using patient info

Consumer Medication Errors

Awareness of correct usage

Unified Prescription Interface

Making medicine risks clearer

Human errors

Patient education

Post prescription care

Treatment education

Lifestyle choices

Potential Complications

Rural Accessibility

Supply Chain Management

Access to trained healthcare professionals

Access to essential medicines

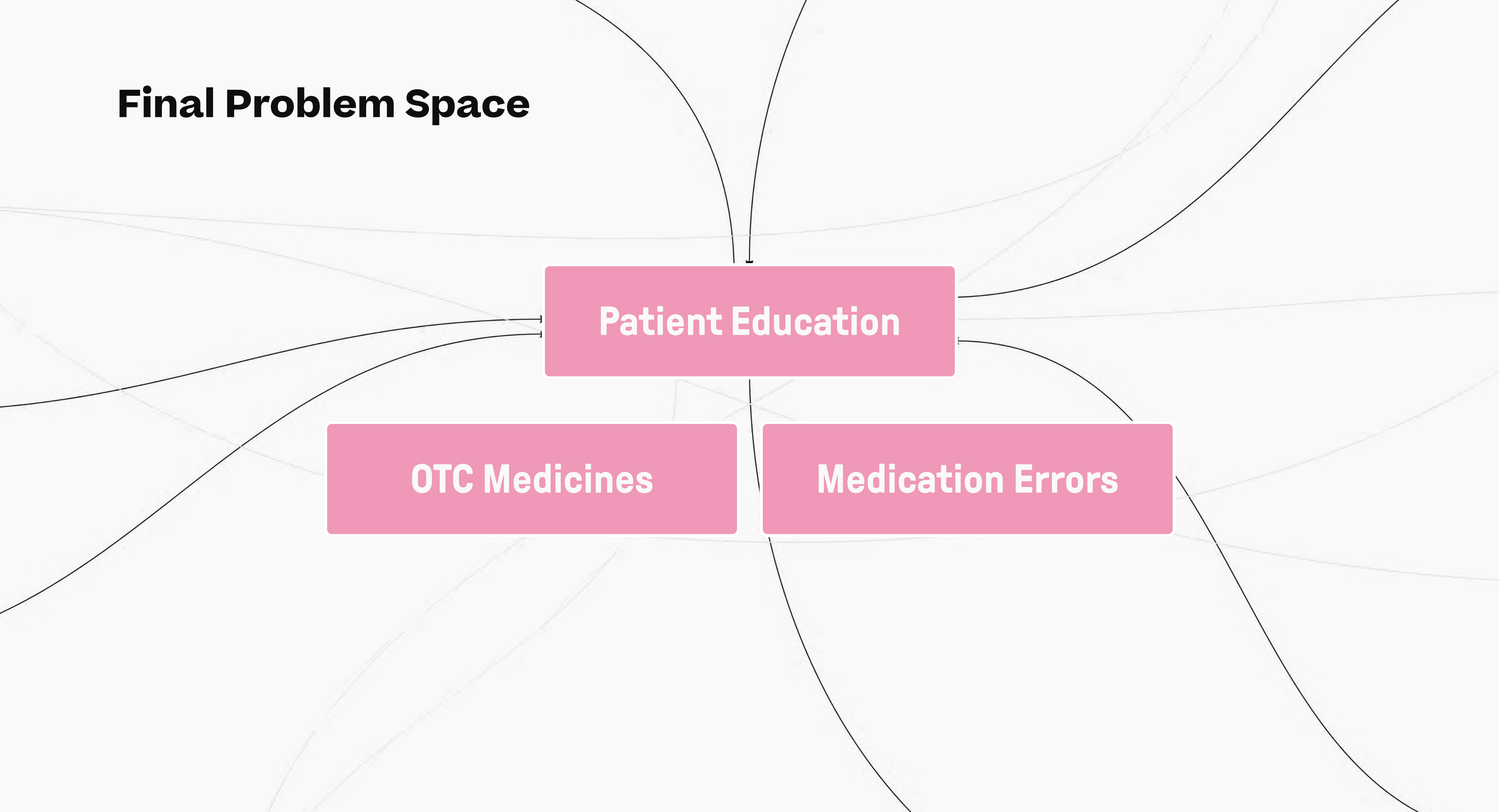
Affordable healthcare

Final Problem Space

Patient Education

OTC Medicines

Medication Errors



Final Problem Space

Patient Education

Patient Effort

Communication

Insufficient Attention

Problem

Problem Statement

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Ineffective communication between doctors and patients leaves patients with insufficient understanding of their condition, treatment and leaves them unable to perform subsequent self-care. Doctors have to diagnose on incomplete or inaccurate information.

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Ineffective
Communication and
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Ineffective communication between doctors and patients leaves patients with insufficient understanding of their condition, treatment and leaves them unable to perform subsequent self-care. Doctors have to diagnose on incomplete or inaccurate information.

Ineffective
Communication and
Documentation

Patient Condition
and Treatment

Problem Statement

Ineffective communication between doctors and patients leaves patients with insufficient understanding of their condition, treatment and leaves them unable to perform subsequent self-care. Doctors have to diagnose on incomplete or inaccurate information.

Ineffective
Communication and
Documentation

Patient Condition
and Treatment

Compliance and
Self-Care

Problem

Target Demographic

Target Demographics



- 01 Semi-Urban
- 02 Tier 2, Tier 3 Cities
- 03 Medium to Low Income Households
- 04 Limited Healthcare Infrastructure
- 05 Crowded Healthcare Facilities
- 06 Limited Education and Literacy

Primary Research

11

Patients

3

Doctors

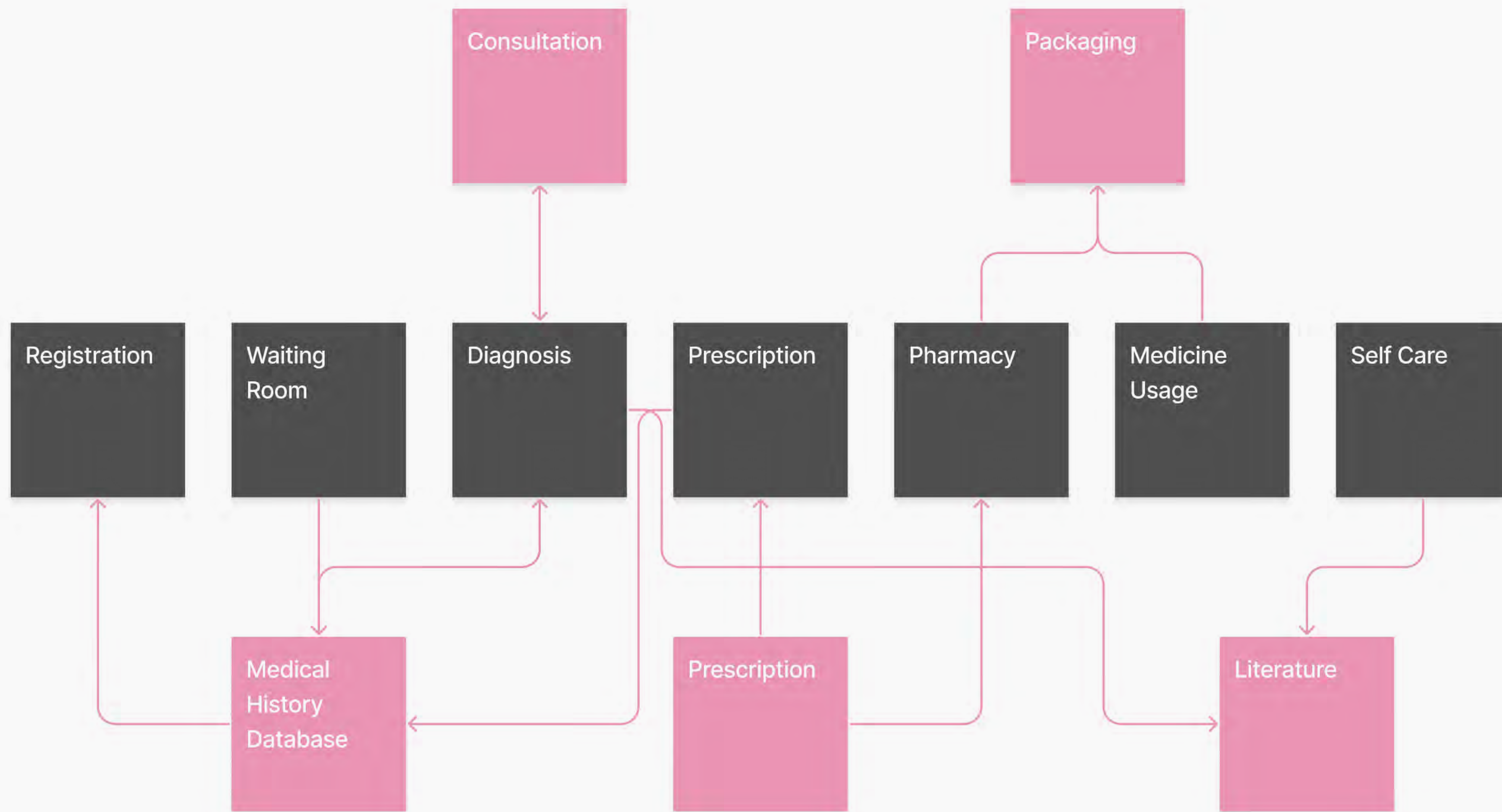
3

Pharmacists

Design Solution

Design Solution

Concept Overview



Service

Mobile & Tablet App

Consultation Form

Audio & Video
Literature in
Regional Languages

Medicine Packaging

Acute Medicines

Chronic Medicines

Med Pouches

Design Solution

User Scenarios

Primary Persona



Manju K S

47, Female



Hirebidanur



Cannot Self Medicate
due to English Instructions



Literate in Kannada



Emergent Smartphone User



Hypertension and Diabetes



Trusts her Doctor implicitly

Scenario

Fever and cold visit

Dr. Badrinath





Scenario

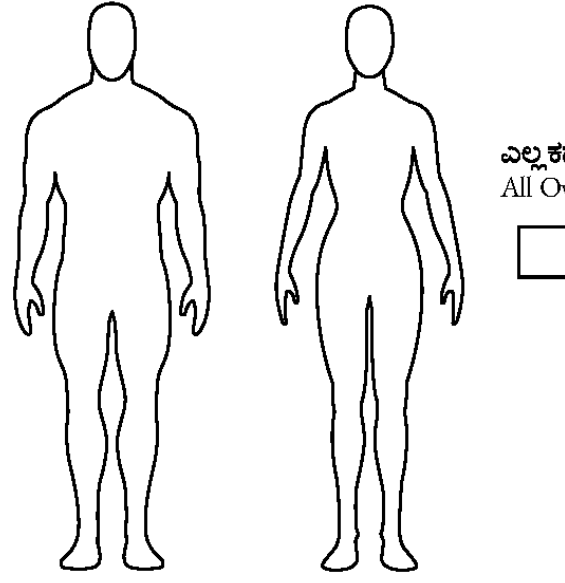
Waiting room

Better use of time to get patients started on thinking about their symptoms clearly.

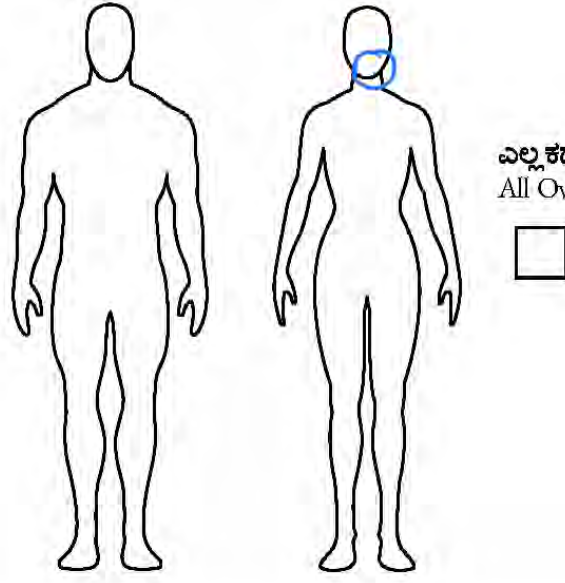
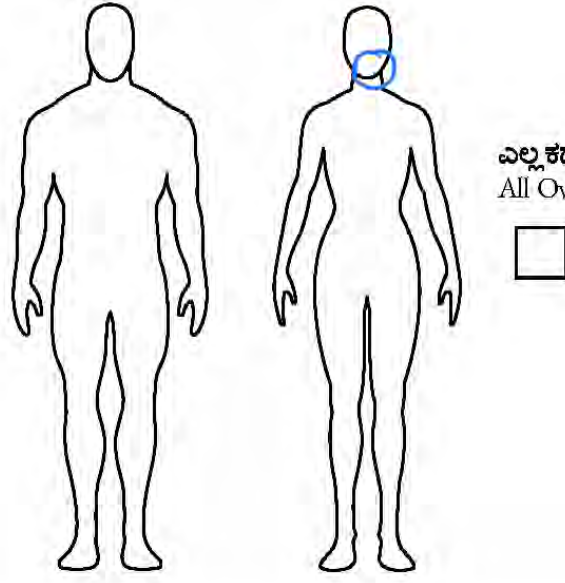
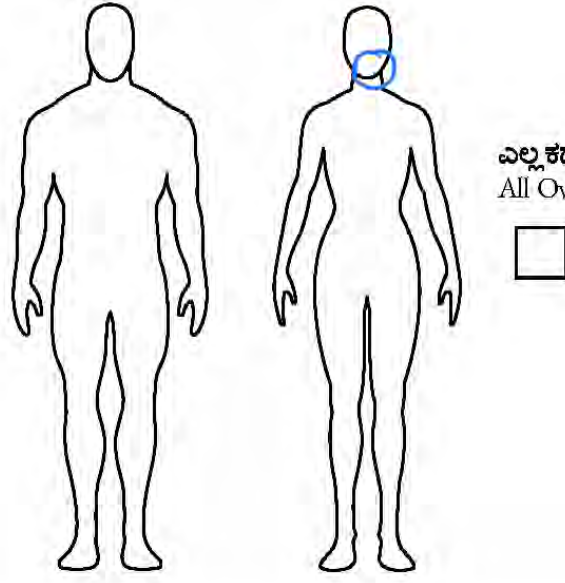
To help open up the conversation during consultation

Scenario

Waiting room

ಹೆಸರು/Name:.....	UMI Code: <input type="text"/>
ಮೊಬೈಲ್ ನಂಬರ್/ Mobile Number:	ಲಿಂಗ್/Gender: <input type="checkbox"/> ಪುರುಷ/ Male <input type="checkbox"/> ಹೆಣ್ಣು/ Female <input type="checkbox"/> ಇತರ/ Other
ಭೇಟಿಯ ಕಾರಣ/Reason for Visit: <input type="checkbox"/> ತೀವ್ರ /Acute <input type="checkbox"/> ಗಾಯ/Injury <input type="checkbox"/> ಅನುಸರಿಸಿ/Follow Up <input type="checkbox"/> ಇತರ/Other:	
<p>ಲಕ್ಷಣಗಳು/Symptoms:</p> <p><input type="checkbox"/> ನೋವು/Pain <input type="checkbox"/> ಜ್ವರ/Fever <input type="checkbox"/> ಗಂಟು/Lump or Bump <input type="checkbox"/> ಮಲಗಲು ತೊಂದರೆ/ Difficulty Sleeping <input type="checkbox"/> ಮಾನಸಿಕ ಆಯಾಸ ಅಥವಾ ಒತ್ತಡ/ Mental Fatigue or Stress</p> <p>ನೋವಿನ ಪ್ರಕಾರ/ Type of Pain: <input type="checkbox"/> ಕೆರತ/Itching <input type="checkbox"/> ಉರಿ/Burning <input type="checkbox"/> ತುಂಬಾ/Sharp <input type="checkbox"/> ನರ/Nerve</p> <p>ಇತರ /Other:</p>	<p>ನಿಮ್ಮ ರೋಗಲಕ್ಷಣಗಳ ಸಾಮಾನ್ಯ ಸ್ಥಳವನ್ನು ದಯವಿಟ್ಟು ಗುರುತಿಸಿ Please mark the general location of your symptoms.</p> 
ಅಲರ್ಜಿಗಳು/Allergies:	ಬಿ. ಪಿ./ Blood Pressure:
	ತಾಪಮಾನ/ Body Temperature:
<p>ಹೊಂದಿರುವ ಕಾಯಿಲೆಗಳು /Existing Conditions:</p> <p><input type="checkbox"/> ಸಕ್ಕರೆ ಕಾಯಿಲೆ/Diabetes <input type="checkbox"/> ಹೃದಯ ಕಾಯಿಲೆ /Heart <input type="checkbox"/> ಬಿ. ಪಿ./ High Blood Pressure <input type="checkbox"/> ಉಸಿರಾಟದ ಸಮಸ್ಯೆ/ Breathing <input type="checkbox"/> ಸಂಧಿವಾತ/Arthritis <input type="checkbox"/> ಕಣ್ಣು/Eye <input type="checkbox"/> ಗ್ಲೂಕೋಮಾ/Glaucoma <input type="checkbox"/> ಹೊಟ್ಟೆ/Stomach</p>	<p>ತೆಗೆದುಕೊಳ್ಳುತ್ತಿರುವ ಔಷಧಿಗಳು /Existing Medications:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>

Scenario

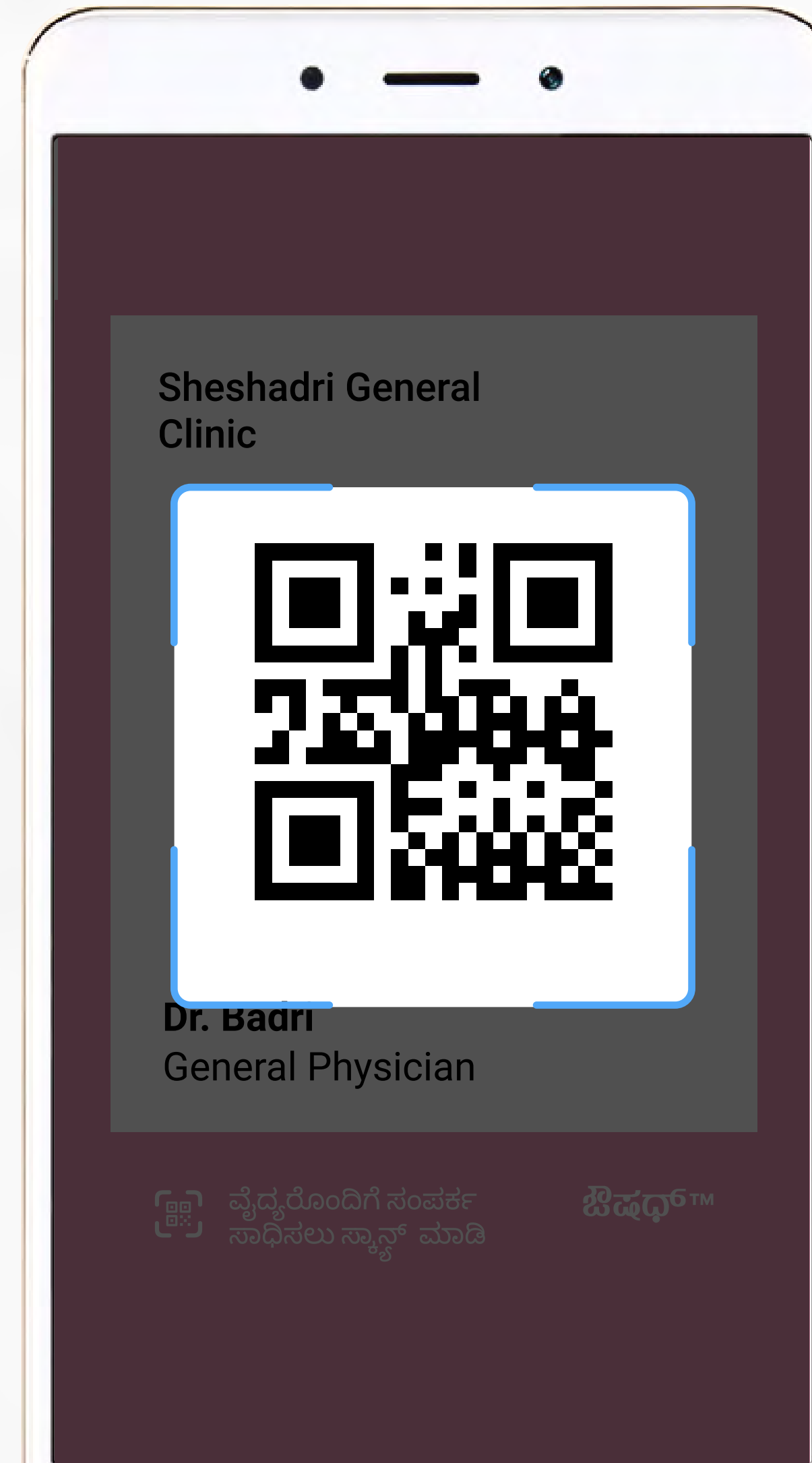
ಹೆಸರು/Name: <u>ಮಂಜು ಏ</u>	UMI Code: <u>903213567</u>											
ಮೊಬೈಲ್ ನಂಬರ್/ Mobile Number: <u>9741191337</u>	ಲಿಂಗ/Gender: <input type="checkbox"/> ಪುರುಷ/ Male <input checked="" type="checkbox"/> ಹೆಣ್ಣು/ Female <input type="checkbox"/> ಇತರ/ Other											
ಭೇಟಿಯ ಕಾರಣ/Reason for Visit: <input checked="" type="checkbox"/> ತೀವ್ರ /Acute <input type="checkbox"/> ಗಾಯ/Injury <input type="checkbox"/> ಅನುಸರಿಸಿ/Follow Up <input type="checkbox"/> ಇತರ/Other: _____												
<p>ಲಕ್ಷಣಗಳು/Symptoms: ನಿಮ್ಮ ರೋಗಲಕ್ಷಣಗಳ ಸಾಮಾನ್ಯ ಸ್ಥಳವನ್ನು ದಯವಿಟ್ಟು ಗುರುತಿಸಿ Please mark the general location of your symptoms.</p> <table> <tr> <td><input type="checkbox"/> ನೋವು/Pain</td> <td>ನೋವಿನ ಪ್ರಕಾರ/ Type of Pain:</td> <td rowspan="5">  </td> </tr> <tr> <td><input type="checkbox"/> ಜ್ವರ/Fever</td> <td><input checked="" type="checkbox"/> ಕೆರತ/Itching</td> </tr> <tr> <td><input type="checkbox"/> ಗಂಟು/Lump or Bump</td> <td><input type="checkbox"/> ಉರಿ/Burning</td> </tr> <tr> <td><input type="checkbox"/> ಮಲಗಲು ತೊಂದರೆ/ Difficulty Sleeping</td> <td><input type="checkbox"/> ತುಂಬಾ/Sharp</td> </tr> <tr> <td><input type="checkbox"/> ಮಾನಸಿಕ ಆಯಾಸ ಅಥವಾ ಒತ್ತಡ/ Mental Fatigue or Stress</td> <td><input type="checkbox"/> ನರ/Nerve</td> </tr> </table> <p>ಇತರ _____ /Other <u>ಸೀನು, ಗಂಟು</u> <u>ಕೆರತ</u></p>		<input type="checkbox"/> ನೋವು/Pain	ನೋವಿನ ಪ್ರಕಾರ/ Type of Pain:		<input type="checkbox"/> ಜ್ವರ/Fever	<input checked="" type="checkbox"/> ಕೆರತ/Itching	<input type="checkbox"/> ಗಂಟು/Lump or Bump	<input type="checkbox"/> ಉರಿ/Burning	<input type="checkbox"/> ಮಲಗಲು ತೊಂದರೆ/ Difficulty Sleeping	<input type="checkbox"/> ತುಂಬಾ/Sharp	<input type="checkbox"/> ಮಾನಸಿಕ ಆಯಾಸ ಅಥವಾ ಒತ್ತಡ/ Mental Fatigue or Stress	<input type="checkbox"/> ನರ/Nerve
<input type="checkbox"/> ನೋವು/Pain	ನೋವಿನ ಪ್ರಕಾರ/ Type of Pain:											
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ಅಲರ್ಜಿಗಳು/Allergies:	<p>ಬಿ. ಪಿ./ Blood Pressure: <u>118 / 78</u></p> <p>ತಾಪಮಾನ/ Body Temperature: <u>92°C</u></p>											
ಹೊಂದಿರುವ ಕಾಯಿಲೆಗಳು /Existing Conditions:	ತೆಗೆದುಕೊಳ್ಳುತ್ತಿರುವ ಔಷಧಿಗಳು /Existing Medications:											
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Waiting room

Scenario



Consultation



Scenario

Consultation

Scenario

Manju P M
Age: 53
UMI Code: 1254 9845 5612

CHRONIC CONDITION

Malignant Hypertension Since 2015

Rx • Olmetrak H40: 40mg Daily 1-0-1

• Cilday: 5mg Daily 0-0-1

Consultations | Test Reports | Prescriptions

23 OCT 2020

ACUTE PHARYNGITIS
Small tonsils; mildly erythematous; no exudate.
Posterior soft palate and uvula mildly swollen; no petechiae.

Rx Althrocin: 500mg Daily 1-0-1

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CONSULTATION

26 OCT 2020

PHYSICAL Today

83 bpm 35.1°C (BP) 70/110 Blood Sugar (fasting): 80

PRESENT COMPLAINT Today

Sneezing cold and fever

PRESCRIBE +

Scenario

Consultation

Scenario

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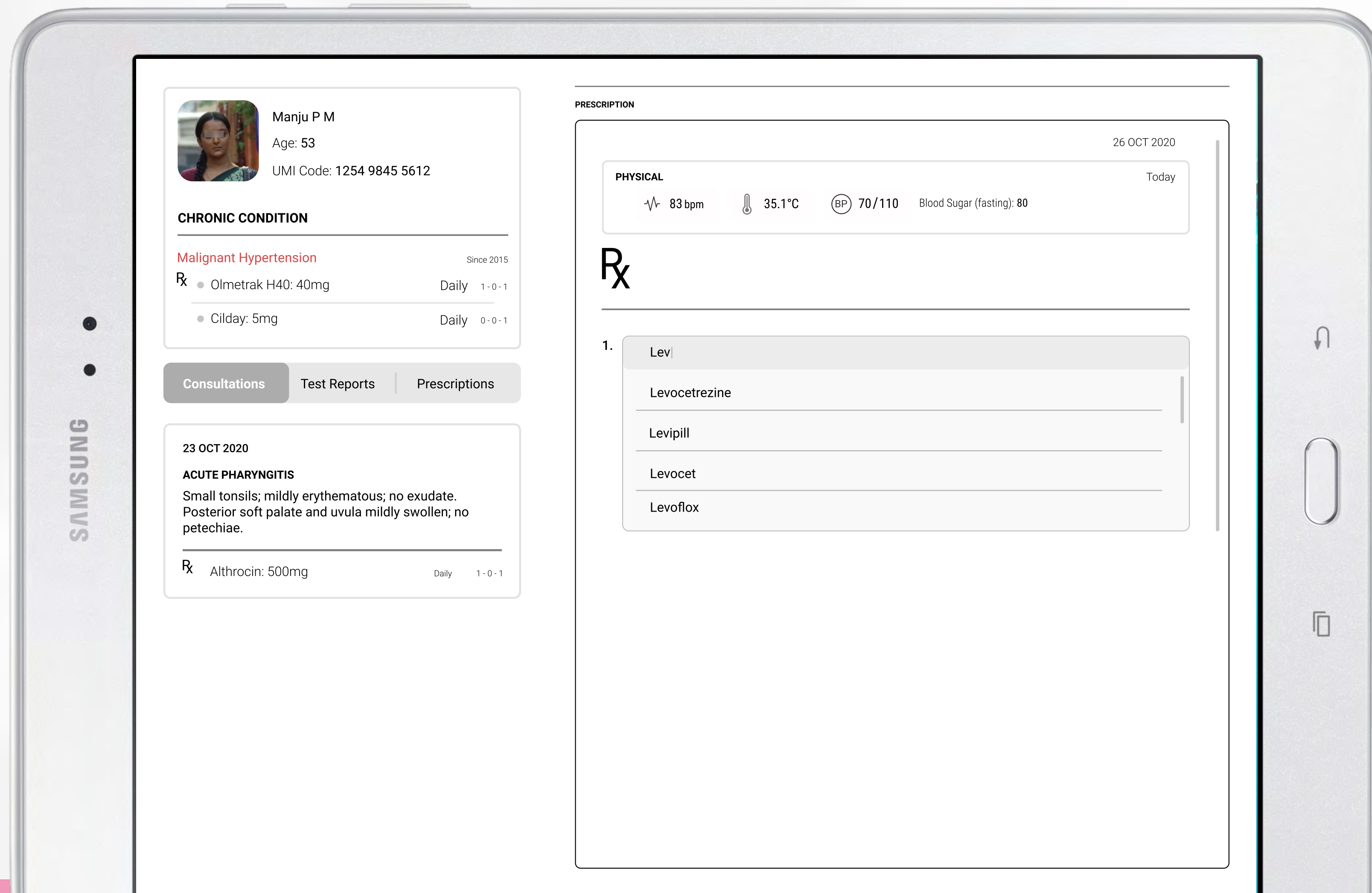
The infection is not severe, it is not contagious as well. 🗨️

Common Cold, Oosal tablets

PRESCRIBE +

Scenario

Consultation



Scenario

Consultation

Scenario

Consultation

Scenario

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Consultations | **Test Reports** | **Prescriptions**

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26 OCT 2020

PHYSICAL Today

83 bpm 35.1°C (BP) 70/110 Blood Sugar (fasting): 80

Rx

1. Levocetrezine < 5 mg >

Levocetrezine Dihydrochloride

Cetrezine

🌞 🌤 🌙 - 2 Days + 🗑

Enter medicine name

+ **PROCEED**

Scenario

Consultation

Scenario

Manju P M
Age: 53
UMI Code: 1254 9845 5612

CHRONIC CONDITION

Malignant Hypertension Since 2015

Rx

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- Cilday: 5mg Daily 0-0-1

Consultations | Test Reports | Prescriptions

23 OCT 2020

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PRESCRIPTION

26 OCT 2020

PHYSICAL Today

83 bpm 35.1°C (BP) 70/110 Blood Sugar (fasting): 80

Rx

1. Levocetrezine < 5 mg >

Levocetrezine Dihydrochloride
 Cetrezine

Day/Night Cycle: [Sun] [Moon] | - 2 Days + [Trash]

2. ibuprofen < 400 mg >

! Drug Interaction with Olmetrak H40 found. ✕

- !** Olmesartan, ibuprofen. Either increases toxicity of the other.
- !** Ibuprofen decreases effects of olmesartan by pharmacodynamic antagonism. Thus may diminish antihypertensive effect.

Day/Night Cycle: [Sun] [Moon] | - 4 Days + [Trash]

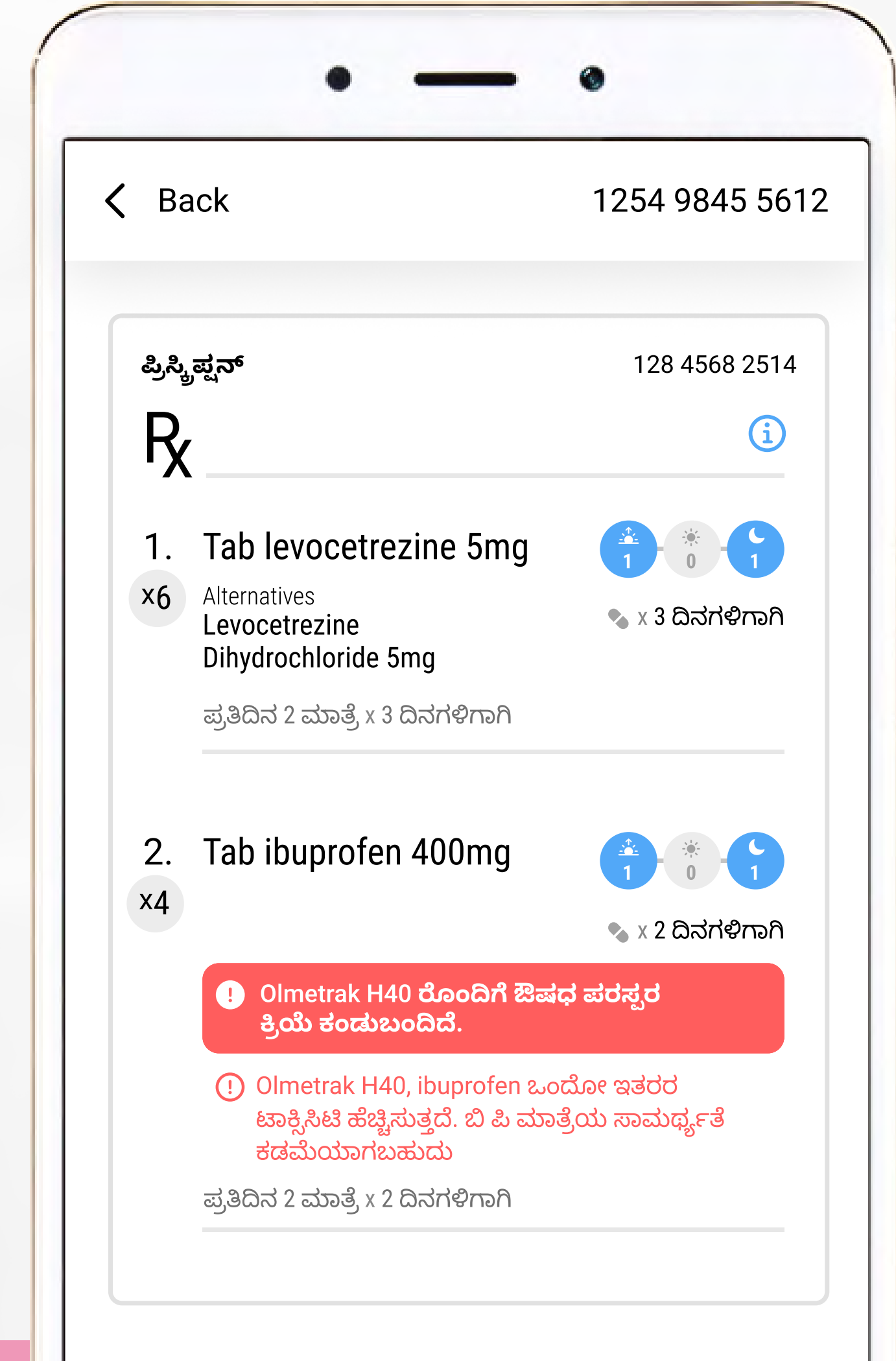
Enter medicine name

+ PROCEED

Scenario



Consultation



Scenario

Illegible and lacks important information.

Just works as a token rather than an important informative medical record

Current Prescriptions

[Illegible header text]

Name *N. Pedraza* Date *7/2/02*
H/O. ALLERGY _____ Age _____ Sex _____
ROUTINE MEDICINES _____

<i>Rx</i>	as	10/1	10/2
<i>2 20mg B</i>	<i>1</i>		<i>1</i>
<i>2 10mg B</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>2 10mg B</i>	<i>1</i>		<i>1</i>
<i>2 10mg B</i>	<i>1</i>		<i>1</i>
<i>2 10mg B</i>	<i>1</i>		<i>1</i>

[Illegible footer text]

Scenario

Too much generalised information written in medical jargon

Current Packaged Information

MedDRA System organ class	Common	Uncommon	Rare	Very rare	Not known (cannot be estimated from the available data)
Infections and infestations	Urinary tract infection	Vaginal infection Cystitis			
Psychiatric disorders					Insomnia*
Nervous system disorders	Headache* Dizziness*				
Eye disorders			Eyelid oedema		
Cardiac disorders	Tachycardia	Palpitation Atrial fibrillation			
Vascular disorders				Hypertensive crisis*	
Gastrointestinal disorders	Nausea* Constipation* Diarrhoea*	Dyspepsia Gastritis	Lip oedema		
Skin and subcutaneous tissue disorders		Urticaria Rash Rash macular Rash papular Pruritus	Leukocytoclastic vasculitis Purpura Angioedema*		
Musculoskeletal and connective tissue disorders		Joint swelling			
Renal and urinary disorders			Urinary retention*		
Reproductive system and breast disorders		Vulvovaginal pruritus			
Investigations		Blood pressure increased GGT increased AST increased ALT increased			

Scenario

Manju K 984 548 512
9584635215
24-Apr-21 6:23 PM

83 bpm 35.1°C BP 70/110

Rx Dr. P R Afulla
General Physician

1. Tab levocetrezine 5mg x6
OR/
Levocetrezine
Dihydrochloride 5mg
1 - 0 - 1
x 2 ದಿನಗಳಿಗಾಗಿ

2. Tab ibuprofen 400mg x4
1 - 0 - 1
x 2 ದಿನಗಳಿಗಾಗಿ

ibuprofen ಮತ್ತು
Olmetrak H40 ಒಂದೋ
ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ
ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ
ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ
ಕಡಮೆಯಾಗಬಹುದು

Use alternative medicine if
prescribed by pharmacist only

SHESHADRI GENERAL CLINIC
Gauribidanur
PH: 9475265412

Consultation

ಜೀವಕೋಶಗಳು Today

83 bpm 35.1°C BP 70/110

Blood Sugar (fasting): 80

ಪ್ರಿಸ್ಕ್ರಿಪ್ಷನ್ 128 4568 2514

Rx

1. Tab levocetrezine 5mg
x6 Alternatives
Levocetrezine
Dihydrochloride 5mg
ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 3 ದಿನಗಳಿಗಾಗಿ

2. Tab ibuprofen 400mg
x4
ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

Olmetrak H40 ರೊಂದಿಗೆ ಔಷಧ ಪರಸ್ಪರ
ಕ್ರಿಯೆ ಕಂಡುಬಂದಿದೆ.

Olmetrak H40, ibuprofen ಒಂದೋ ಇತರರ
ಟಾಕ್ಸಿಸಿಟಿ ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ
ಕಡಮೆಯಾಗಬಹುದು

ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

Scenario

Manju K 984 548 512
9584635215
24-Apr-21 6:23 PM

83 bpm 35.1°C BP 70/110

Rx Dr. P R Afula
General Physician

1. Tab levocetrezine 5mg x6
OR/
Levocetrezine
Dihydrochloride 5mg
1 - 0 - 1
x 2 ದಿನಗಳಿಗಾಗಿ

2. Tab ibuprofen 400mg x4
1 - 0 - 1
x 2 ದಿನಗಳಿಗಾಗಿ

ibuprofen ಮತ್ತು
Olmetrak H40 ಒಂದೋ
ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ
ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ
ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ
ಕಡಮೆಯಾಗಬಹುದು

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SHESHADRI GENERAL CLINIC
Gaur ibidanur
PH: 9475265412

Consultation

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ಪ್ರಿಸ್ಕ್ರಿಪ್ಷನ್ 128 4568 2514

Rx

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x6 Alternatives
Levocetrezine
Dihydrochloride 5mg
ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 3 ದಿನಗಳಿಗಾಗಿ

2. Tab ibuprofen 400mg
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ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

Olmetrak H40 ರೊಂದಿಗೆ ಔಷಧ ಪರಸ್ಪರ
ಕ್ರಿಯೆ ಕಂಡುಬಂದಿದೆ.

Olmetrak H40, ibuprofen ಒಂದೋ ಇತರರ
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ಕಡಮೆಯಾಗಬಹುದು

Scenario

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9584635215
24-Apr-21 6:23 PM

83 bpm 35.1°C BP 70/110

Rx Dr. P R Afulla
General Physician

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OR/
Levocetrezine
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ibuprofen ಮತ್ತು
Olmetrak H40 ಒಂದೋ
ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ
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Gauribidanur
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Consultation

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! Olmetrak H40 ರೊಂದಿಗೆ ಔಷಧ ಪರಸ್ಪರ
ಕ್ರಿಯೆ ಕಂಡುಬಂದಿದೆ.

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ಕಡಮೆಯಾಗಬಹುದು

ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

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Manju K 984 548 512
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①
ibuprofen ಮತ್ತು
Olmetrak H40 ಒಂದೋ
ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ
ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ
ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ
ಕಡಮೆಯಾಗಬಹುದು

Use alternative medicine if
prescribed by pharmacist only

SHESHADRI GENERAL CLINIC
Gaur ibidanur
PH: 9475265412

Consultation

ಜೀವಕೋಶಗಳು Today

83 bpm 35.1°C BP 70/110

Blood Sugar (fasting): 80

ಪ್ರಿಸ್ಕ್ರಿಪ್ಷನ್ 128 4568 2514

Rx

1. Tab levocetrezine 5mg
x6 Alternatives
Levocetrezine Dihydrochloride 5mg
ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 3 ದಿನಗಳಿಗಾಗಿ






2. Tab ibuprofen 400mg
x4
ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

⚠️ Olmetrak H40 ರೊಂದಿಗೆ ಔಷಧ ಪರಸ್ಪರ ಕ್ರಿಯೆ ಕಂಡುಬಂದಿದೆ.

⚠️ Olmetrak H40, ibuprofen ಒಂದೋ ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ ಕಡಮೆಯಾಗಬಹುದು






Scenario

Pharmacy

ಹೆಸರು/Name:			
ಮೊಬೈಲ್ ಸಂಖ್ಯೆ /Mobile Number:			
ಬೆಳಿಗ್ಗೆ MORNING	ಮಧ್ಯಾಹ್ನ MID DAY	ಸಂಜೆ EVENING	ರಾತ್ರಿ NIGHT
			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ಔಷಧಿ/Medicine:			
ದಿನಗಳು/Days:			
ಮುನ್ನೆಚ್ಚರಿಕೆ/Precaution:	<input type="checkbox"/> ಆಹಾರದ ಮೊದಲು Before Food		
.....			
.....	<input type="checkbox"/> ಆಹಾರದೊಂದಿಗೆ With Food		
.....			
.....			

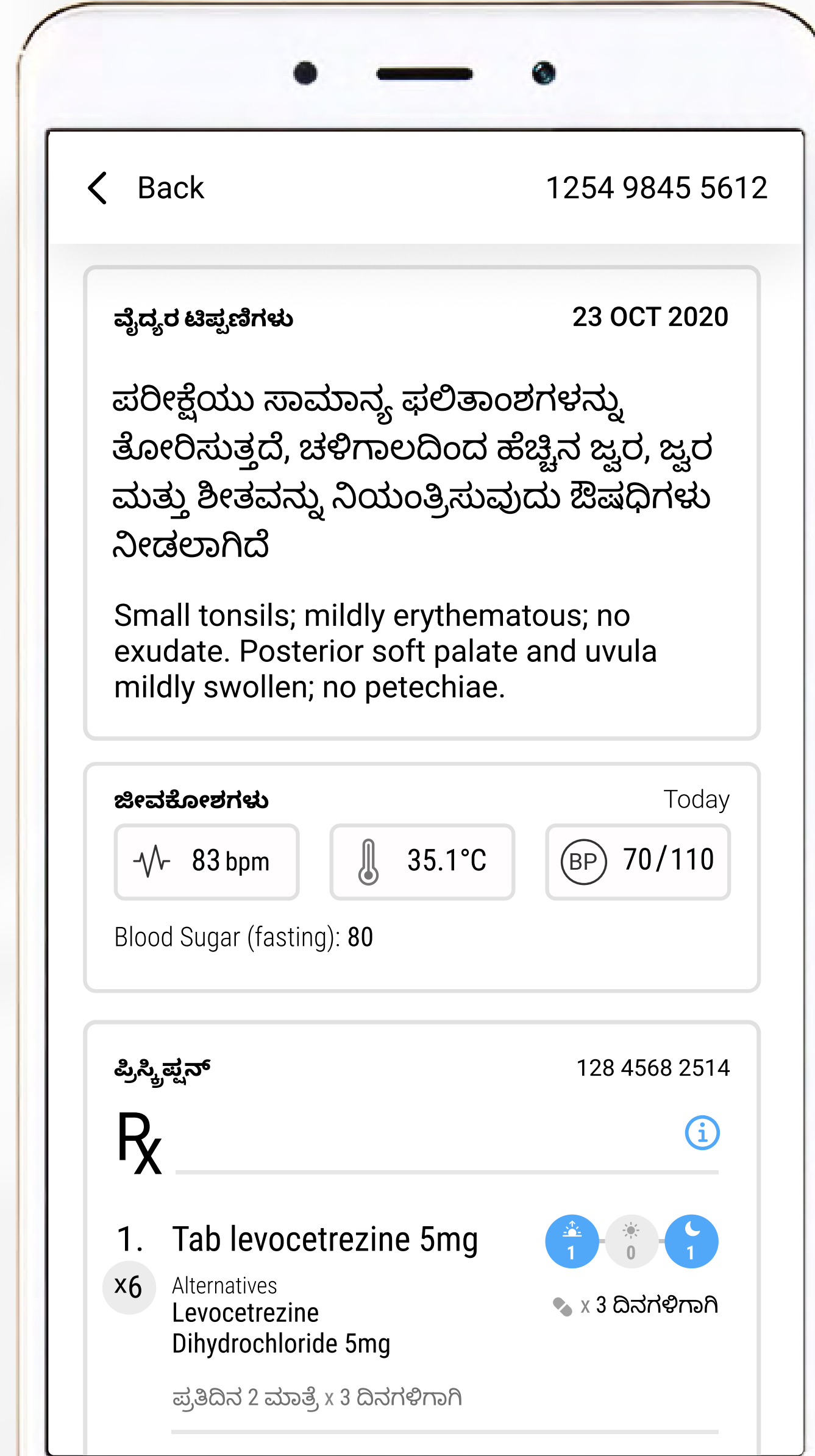
Scenario

Pharmacy

ಹೆಸರು/Name: <u>ಮಂಜು</u>			
ಮೊಬೈಲ್ ಸಂಖ್ಯೆ /Mobile Number:			
ಬೆಳಿಗ್ಗೆ MORNING	ಮಧ್ಯಾಹ್ನ MID DAY	ಸಂಜೆ EVENING	ರಾತ್ರಿ NIGHT
			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ಔಷಧಿ/Medicine:			
ದಿನಗಳು/Days: <u>3</u>			
ಮುನ್ನೆಚ್ಚರಿಕೆ/Precaution:	<input checked="" type="checkbox"/> ಆಹಾರದ ಮೊದಲು Before Food		
.....			
.....	<input type="checkbox"/> ಆಹಾರದೊಂದಿಗೆ With Food		
.....			
.....			

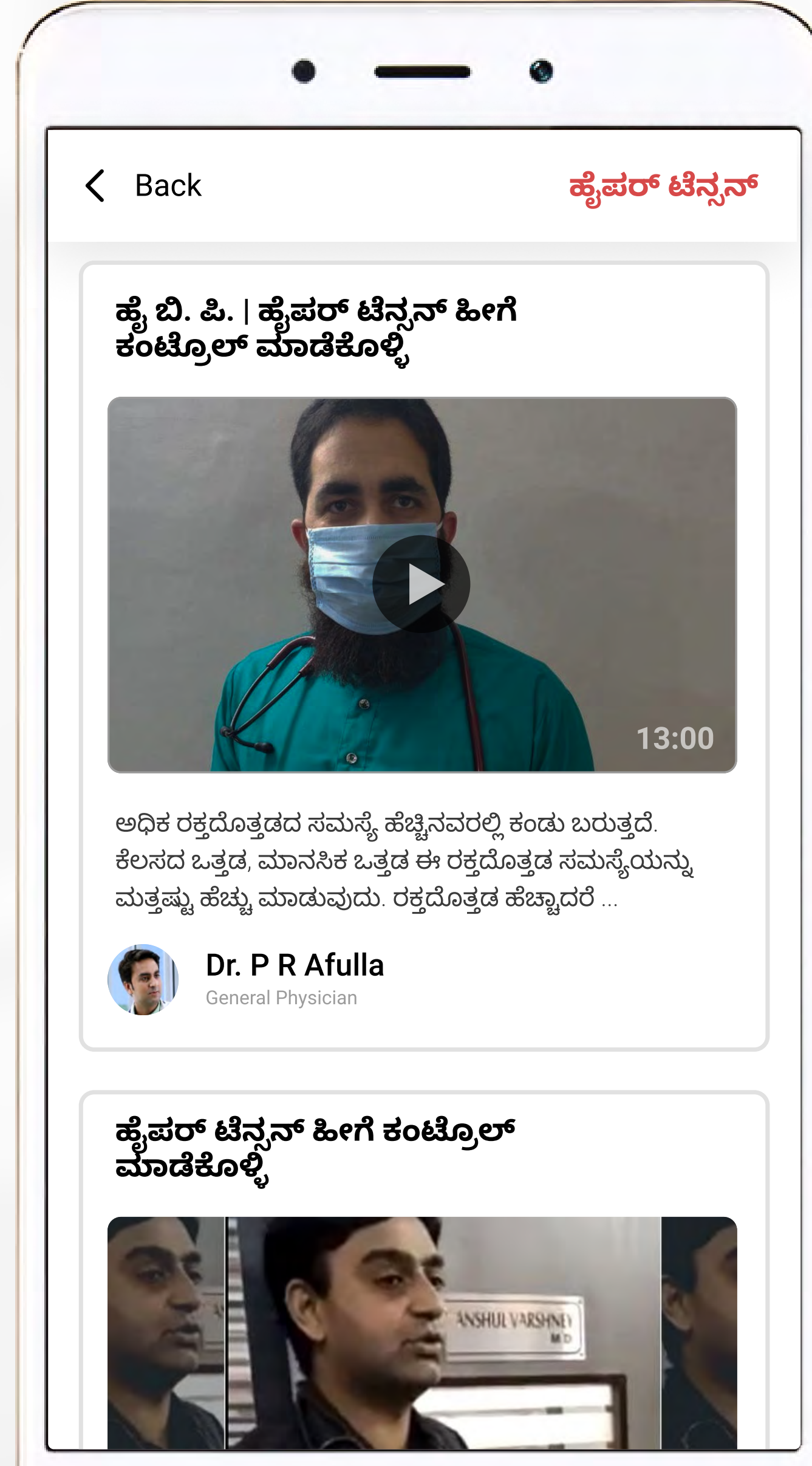
Scenario

Home



Scenario

Home

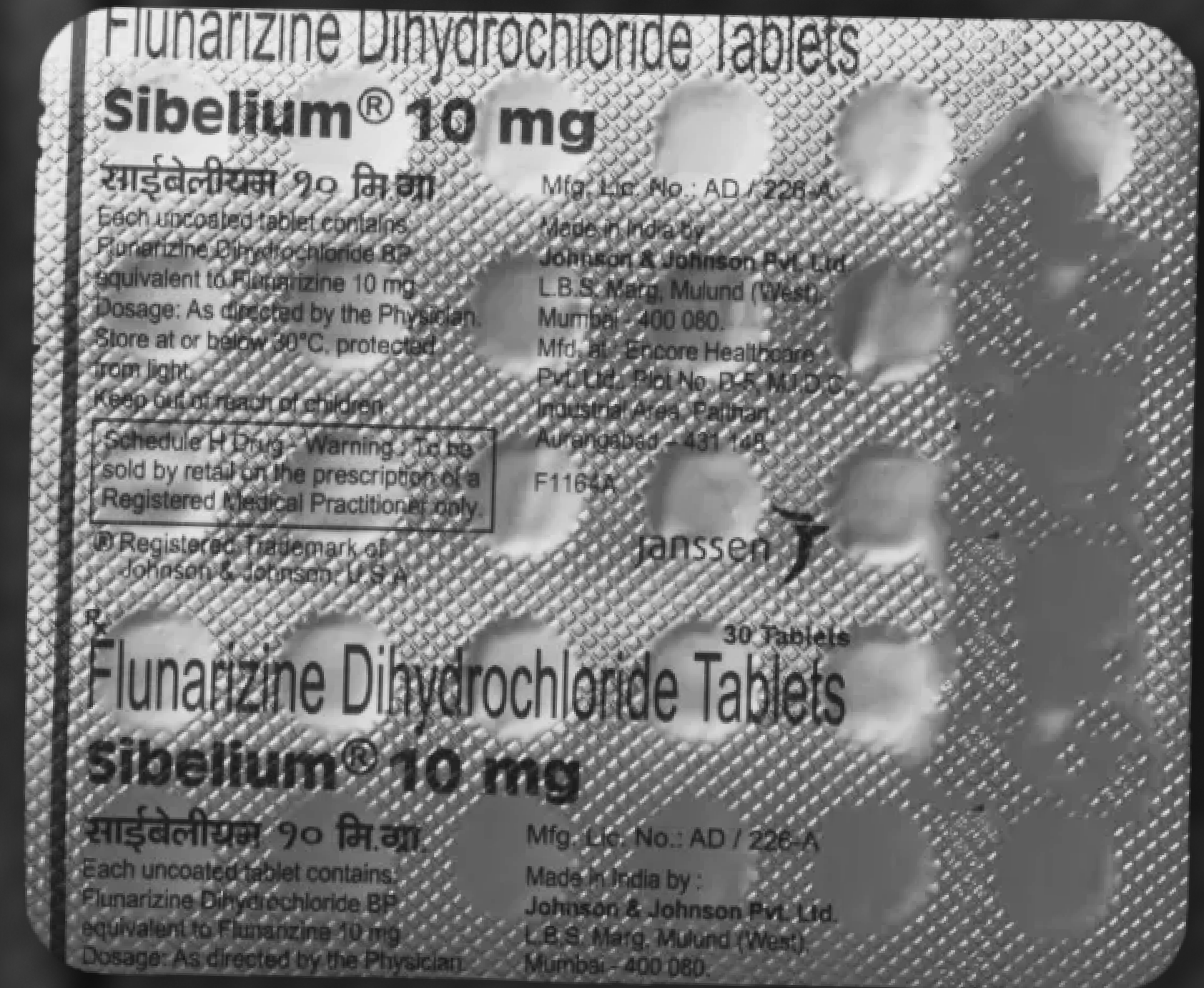


Scenario

10 mg

Current Packaging

Lots of completely irrelevant information for patients use.



Scenario

Home



Scenario

Home



Scenario

Home



**DIETARY
SUPPLIMENT**



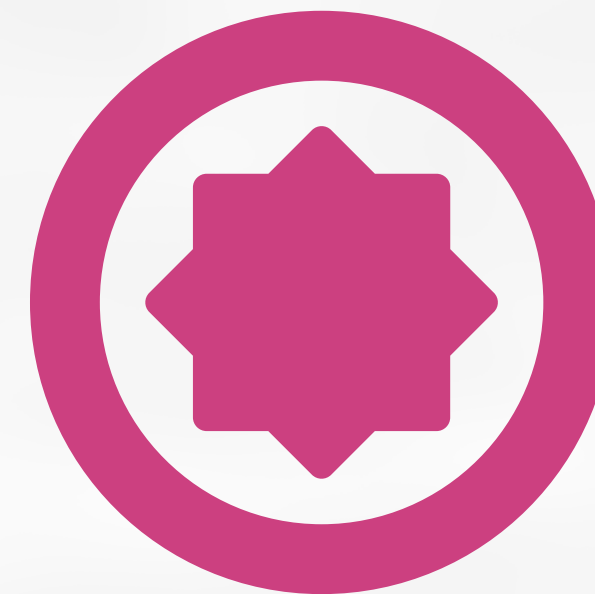
STIMULANT



ANTIHISTAMINE



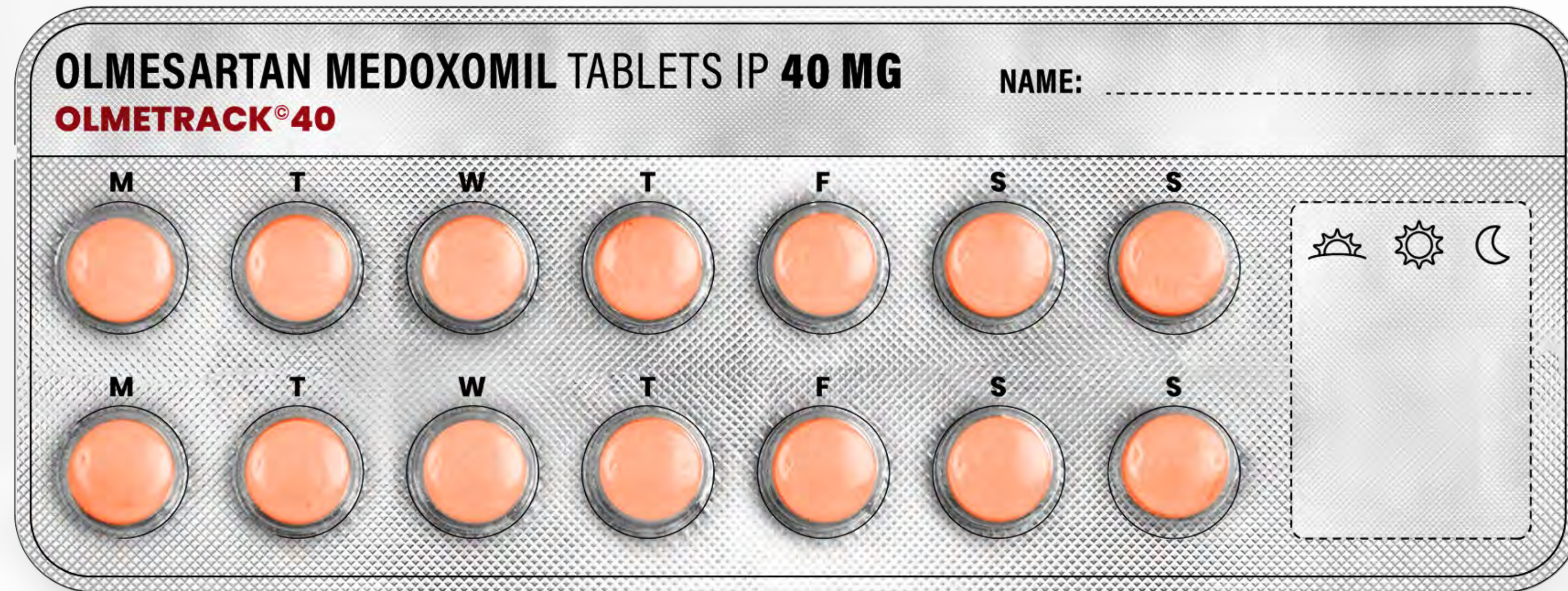
ANALGESIC



ANTIBIOTIC

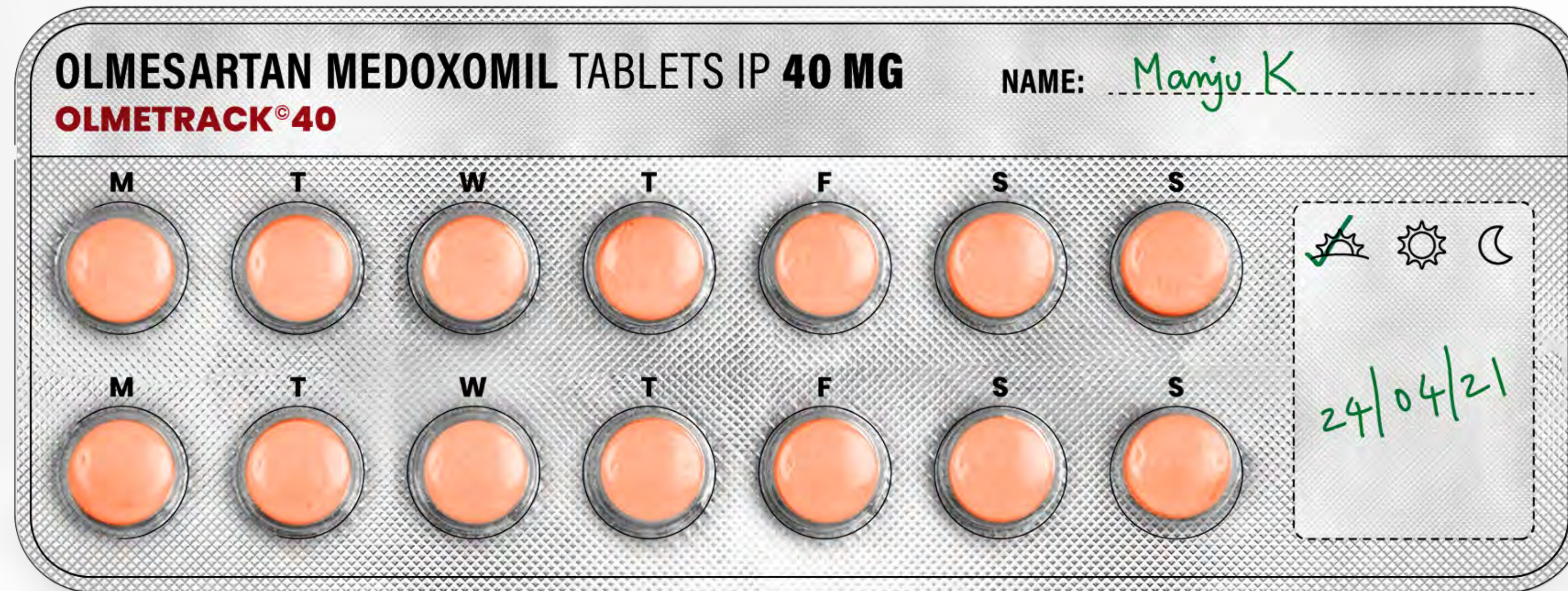
Scenario

Home



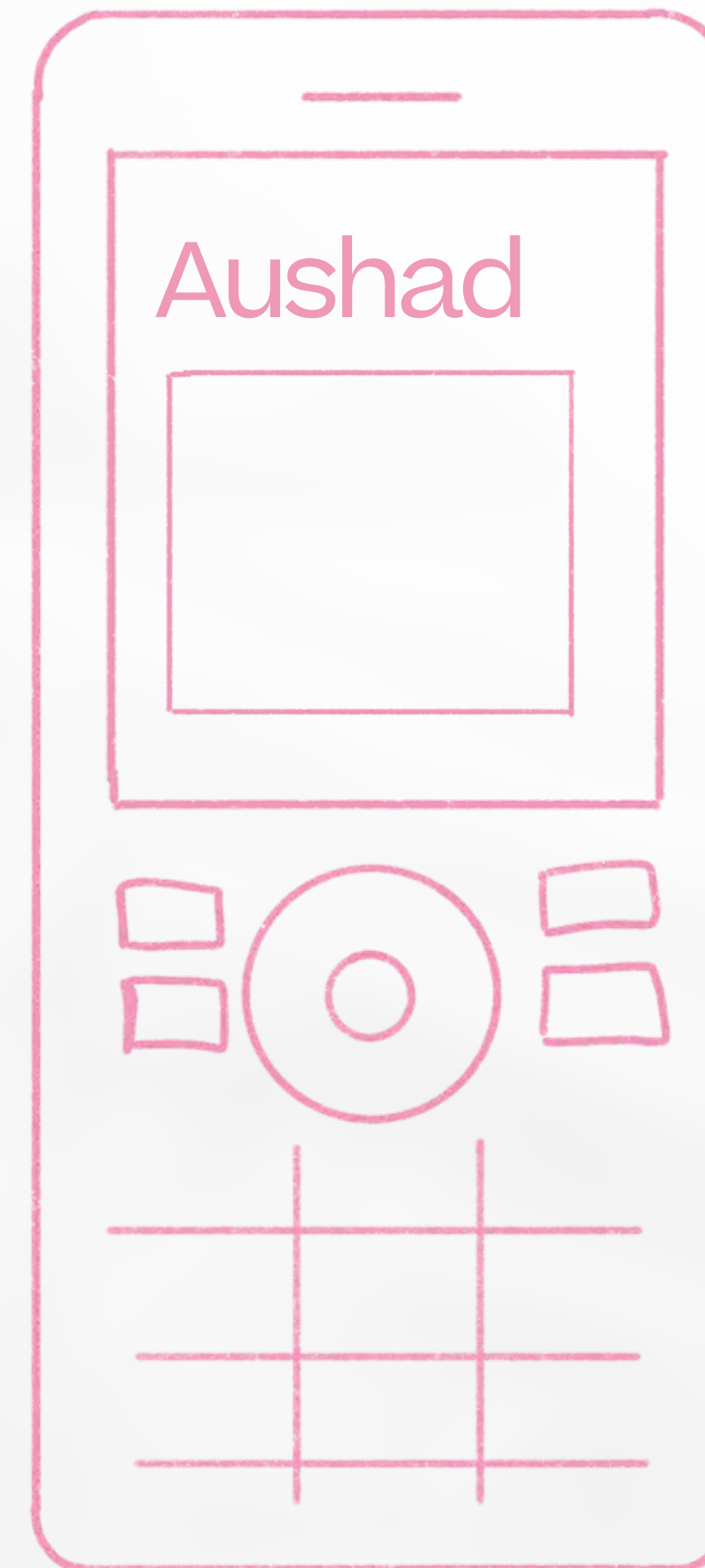
Scenario

Home



Feature phone accessibility Hotline & SMS

- MedCode
- Phone number linked to Unique Medical ID



Aushad

Manju P M
 Age: 53
 UMI Code: 1254 9845 5612

CHRONIC CONDITION

Malignant Hypertension Since 2015

Rx **Olmetrak H40: 40mg** Daily 1-0-1

Cilday: 5mg Daily 0-0-1

Consultations | Test Reports | Prescriptions

23 OCT 2020

ACUTE PHARYNGITIS

Small tonsils; mildly erythematous; no exudate. Posterior soft palate and uvula mildly swollen; no petechiae.

Rx **Althrocin: 500mg** Daily 1-0-1

PRESCRIPTION

26 OCT 2020 Today

PHYSICAL

83 bpm 35.1°C 70/110 Blood Sugar (fasting): 80

Rx

1. **Levocetrezine** < 5 mg >

Levocetrezine Dihydrochloride
 Cetrezine

☀️ ☁️ 🌙 - 2 Days + 🗑️

2. **ibuprofen** < 400 mg >

Drug Interaction with Olmetrak H40 found.

🚫 Olmesartan, ibuprofen. Either increases toxicity of the other.

🚫 Ibuprofen decreases effects of olmesartan by pharmacodynamic antagonism. Thus may diminish antihypertensive effect.

☀️ ☁️ 🌙 - 4 Days + 🗑️

Enter medicine name

+ PROCEED

Back 1254 9845 5612

ಪ್ರಿಸ್ಕ್ರಿಪ್ಷನ್ 128 4568 2514

Rx

1. **Tab levocetrezine 5mg** x6

Alternatives
 Levocetrezine Dihydrochloride 5mg x 3 ದಿನಗಳಿಗಾಗಿ

ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 3 ದಿನಗಳಿಗಾಗಿ

2. **Tab ibuprofen 400mg** x4

Olmetrak H40 ದೊಂದಿಗೆ ಔಷಧ ಪರಸ್ಪರ ಕ್ರಿಯೆ ಕಂಡುಬಂದಿದೆ.

🚫 Olmetrak H40, ibuprofen ಒಂದೊಂದು ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ ಕಡಮೆಯಾಗಬಹುದು

ಪ್ರತಿದಿನ 2 ಮಾತ್ರೆ x 2 ದಿನಗಳಿಗಾಗಿ

Manju K 9584635215 24-Apr-21 6:23 PM 984 548 512

83 bpm 35.1°C 70/110

Rx Dr. P R Afulla General Physician

1. **Tab levocetrezine 5mg** x6

OR/
 Levocetrezine Dihydrochloride 5mg

☀️ ☁️ 🌙 1 - 0 - 1 x 2 ದಿನಗಳಿಗಾಗಿ

2. **Tab ibuprofen 400mg** x4

☀️ ☁️ 🌙 1 - 0 - 1 x 2 ದಿನಗಳಿಗಾಗಿ

🚫 ///

ibuprofen ಮತ್ತು Olmetrak H40 ಒಂದೊಂದು ಇತರರ ಟಾಕ್ಸಿಸಿಟಿ ಹೆಚ್ಚಿಸುತ್ತದೆ. ಬಿ ಪಿ ಮಾತ್ರೆಯ ಸಾಮರ್ಥ್ಯತೆ ಕಡಮೆಯಾಗಬಹುದು

🚫 Use alternative medicine if prescribed by pharmacist only

SHESHADRI GENERAL CLINIC
 Gaur ib idanur
 PH: 9475265412

OLMESARTAN MEDOXOMIL TABLET
OLMETRAK-40

ಹೆಸರು/Name:

ಮೊಬೈಲ್ ಸಂಖ್ಯೆ /Mobile Number:

☀️ MORNING ☀️ MID DAY ☀️ EVENING 🌙 NIGHT

ಔಷಧಿ/Medicine:

ದಿನಗಳು/Days:

ಮುನ್ನೆಚ್ಚರಿಕೆ/Precaution:

☕ ಅಪಾರದ ಮೊದಲು Before Food

🍲 ಅಪಾರದೊಂದಿಗೆ With Food

Sheshadri General Clinic

Dr. Badri General Physician

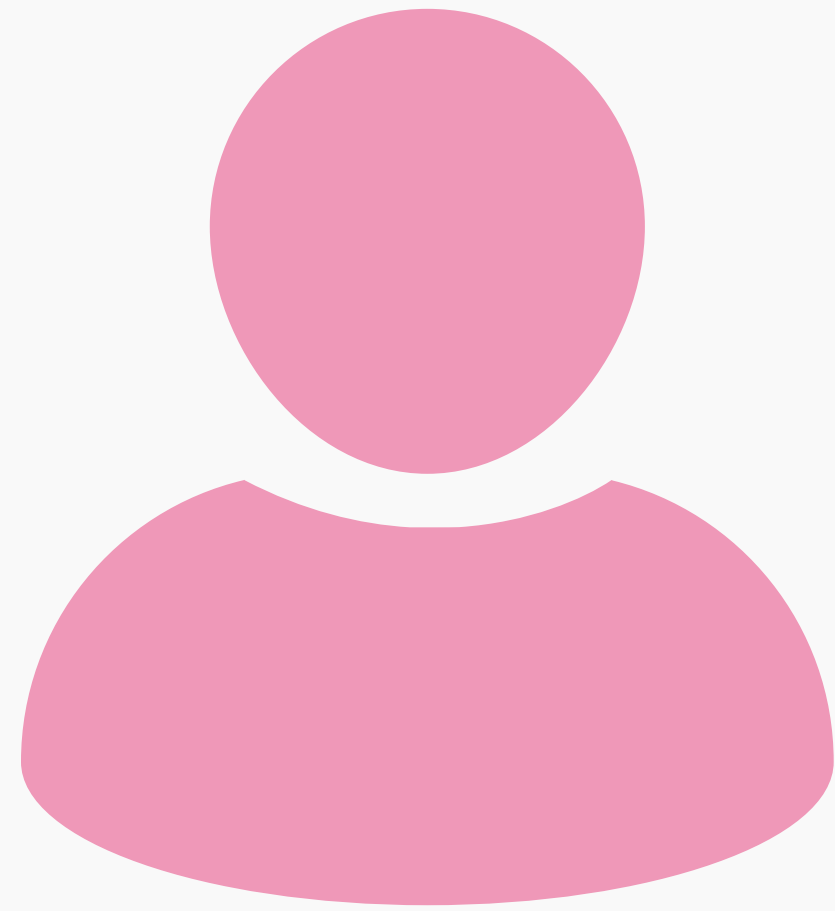
QR Code

ಮುಖ್ಯವಾಗಿ ಸುವರ್ಣ-ಕಾರ್ಯನಿರ್ವಹಣೆ

Evaluation

Evaluation

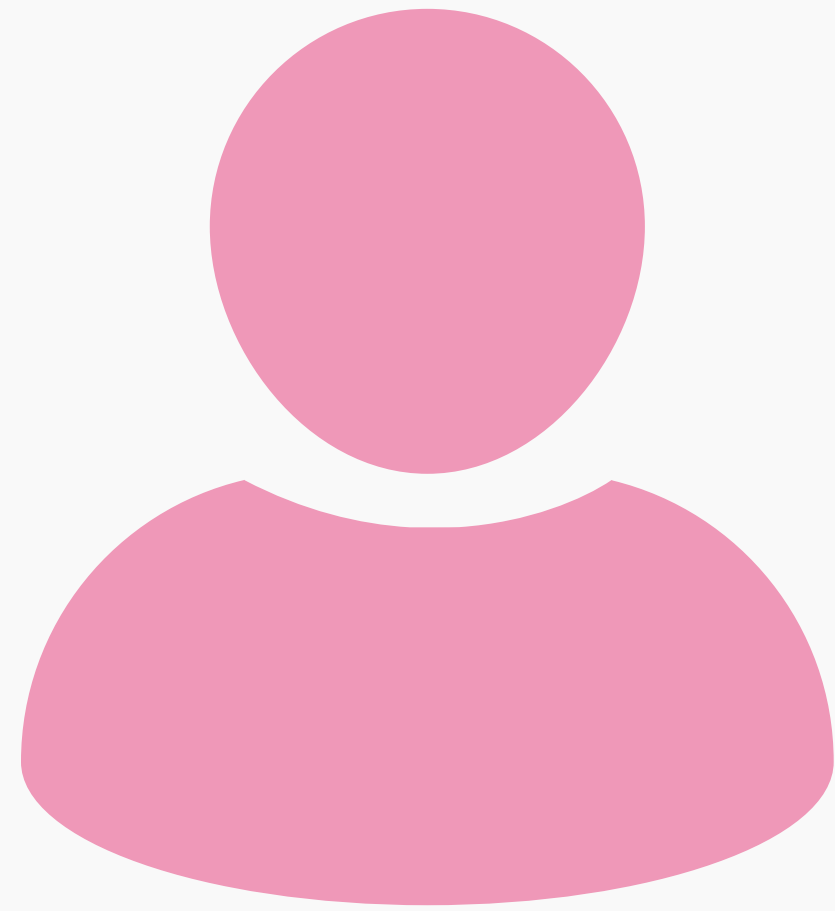
Stakeholder Evaluation



**Chronic Adult
Male**



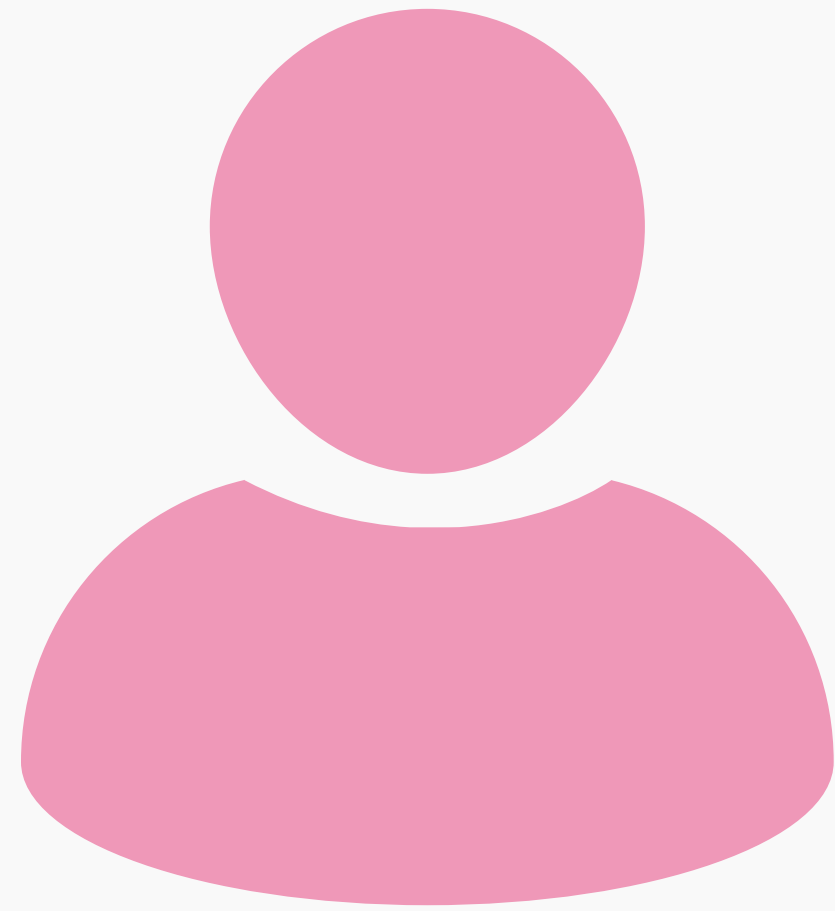
Very appreciative of the **Central Medical Database** as they had faced a lot of issues when moving hospitals.



**Chronic Adult
Male**



Vocalized **privacy concerns** about malicious doctors selling patient information to third parties



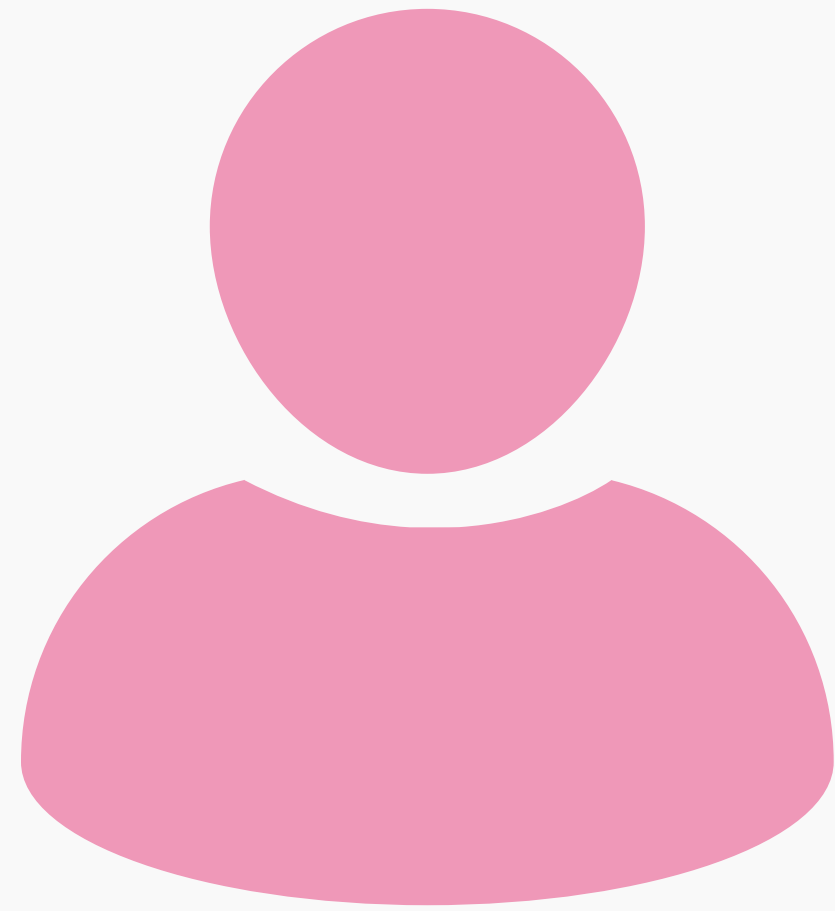
**Chronic Adult
Male**



Vocalized **privacy concerns** about malicious doctors selling patient information to third parties

Secure means of data transfer and storage.

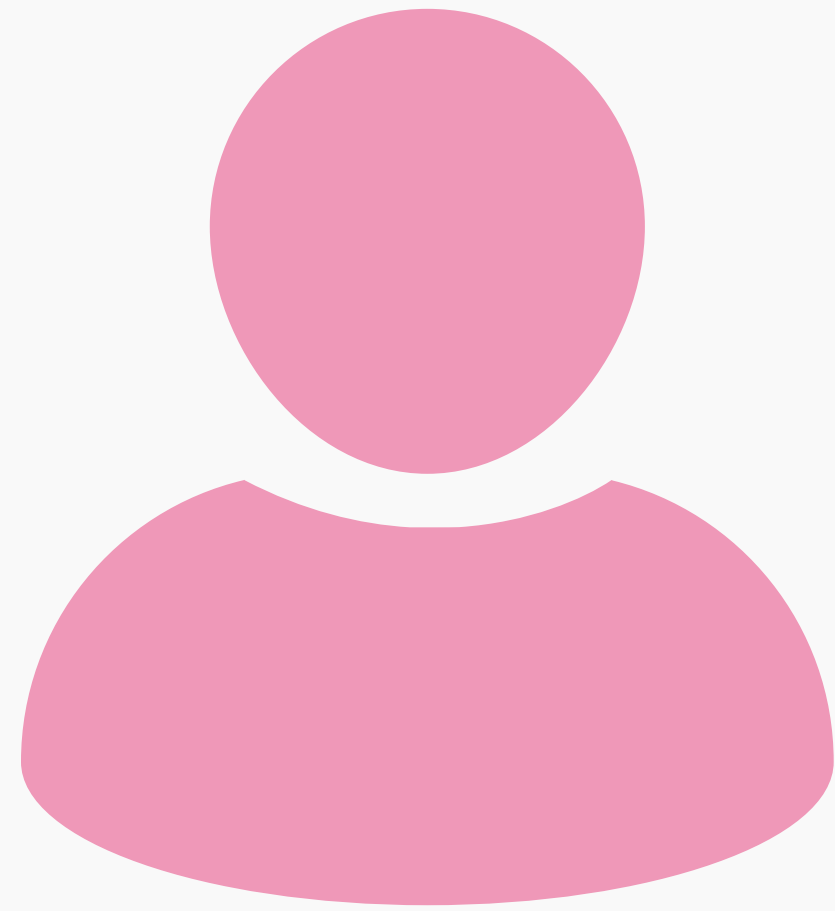
No doctor access without patient consent



**Chronic Adult
Male**



Mentioned concerns about information in
English on medicine packaging.



**Chronic Adult
Male**



Mentioned concerns about information in
English on medicine packaging.

Using medcodes to
get info in preferred
language.



Dr. Chaitanya
(General Phy)



Dr. Chaitanya
(General Phy)



Particularly appreciated the **Central Medical Database, Drug Interaction warnings and redesigned packaging.**



Dr. Chaitanya
(General Phy)



Suggested more **doctor control** over sharing **sensitive information** like the OPD notes.



Dr. Chaitanya
(General Phy)



Many patients have doubts regarding medication or symptoms but don't have many **channels to contact the doctor** until the next consultation.



Dr. Chaitanya
(General Phy)

“Pharmacists rarely tend to educate patients, so the prescription and drug packaging redesign will really help out.”



Dr. Chaitanya
(General Phy)

“You hit a really big nail in the head. This is a fabulous undertaking, and very much needed currently.”



ANALGESIC



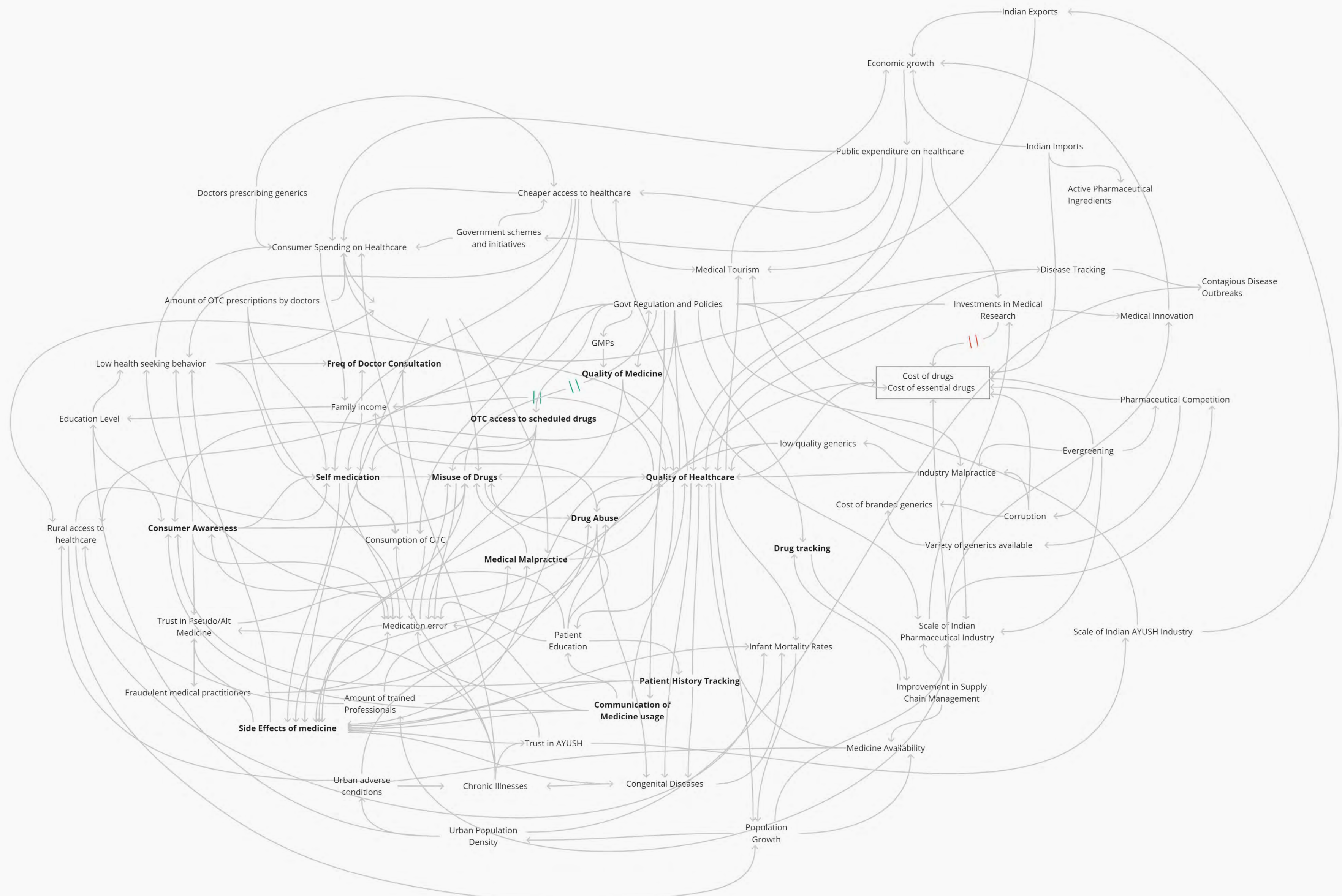
ANTIHISTAMINE

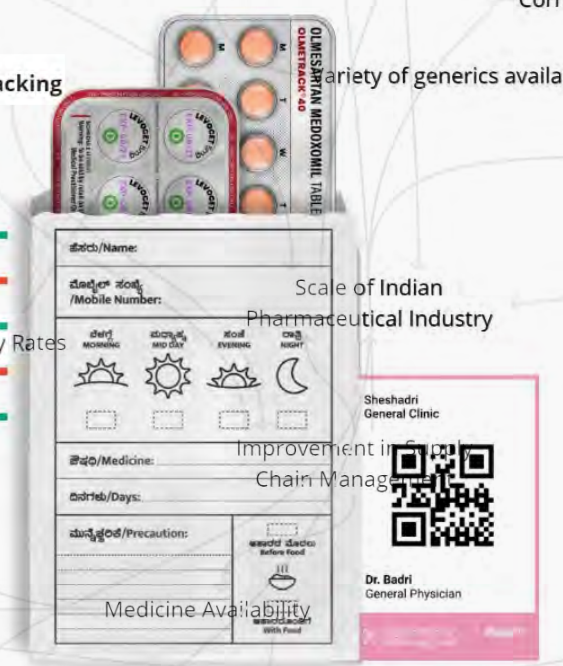
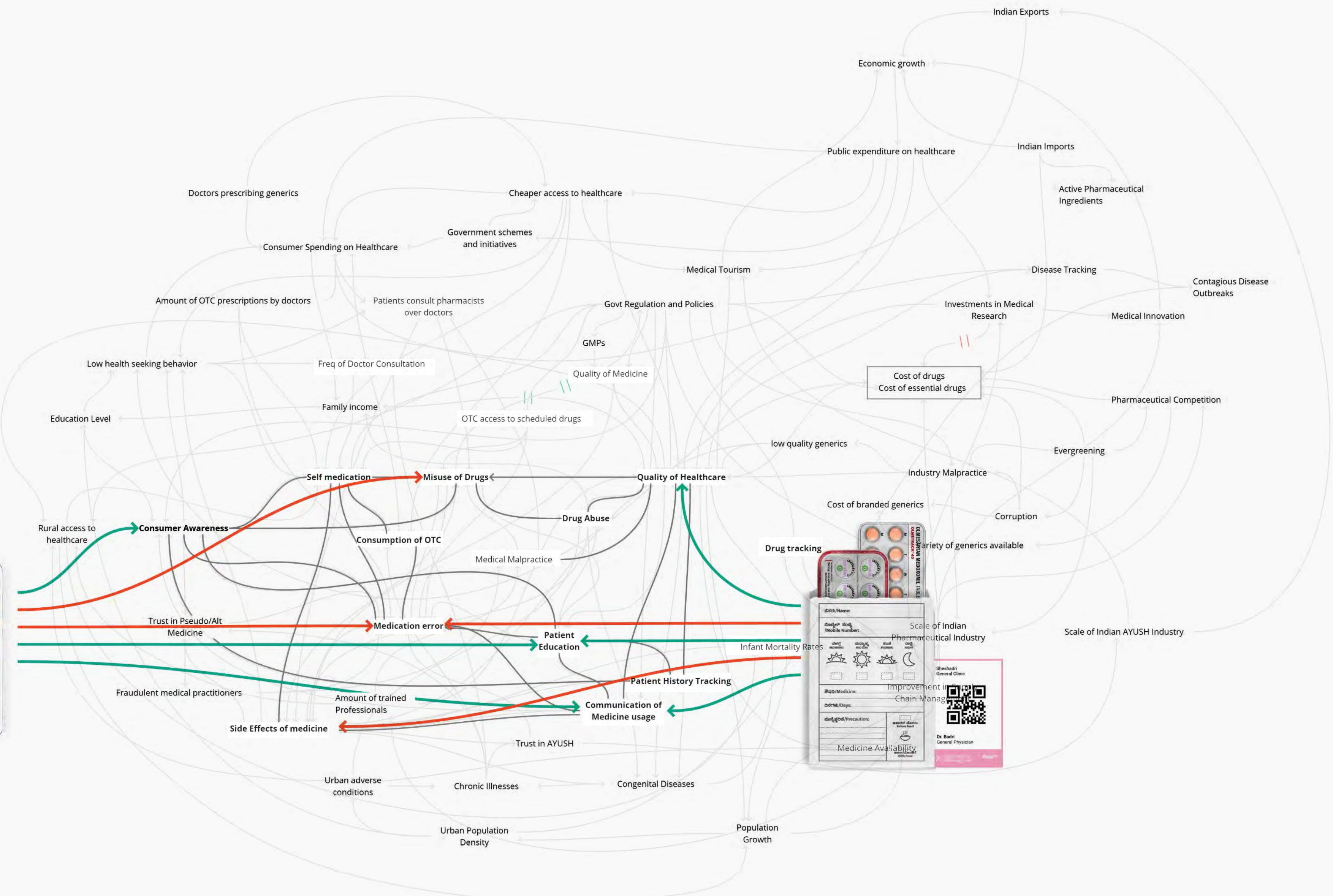
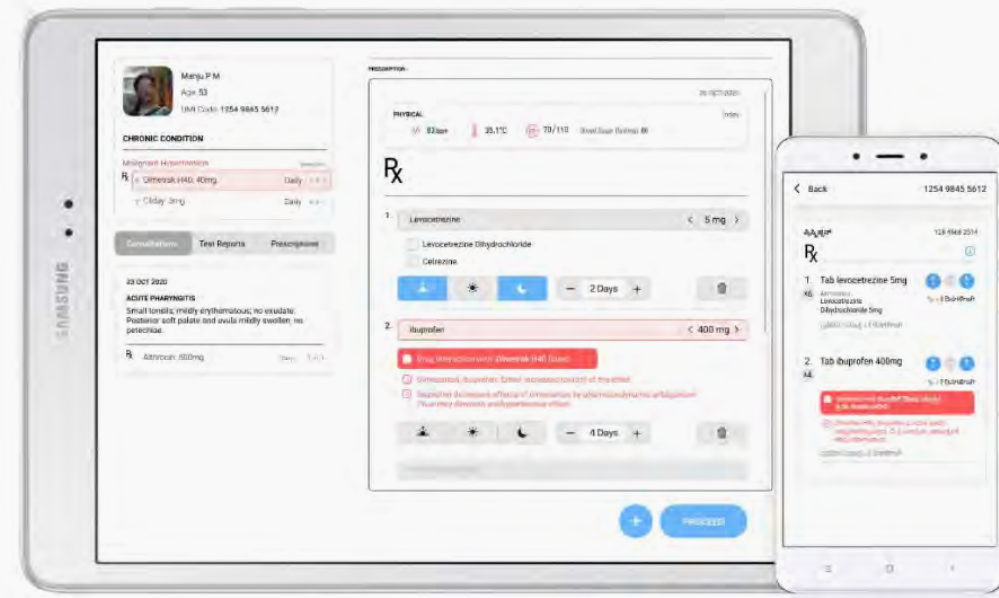
**Medicine class based symbols might
invoke unsafe self medication especially
in elderly**

System Connect

Evaluation

Final System Mapping





Scale of Indian Pharmaceutical Industry
 Scale of Indian AYUSH Industry
 Infant Mortality Rates
 Improvement in Chain Management
 Medicine Availability
 Dr. Badri General Physician

Acknowledgements



Dr. Laji

Dr. Chaitanya

Dr. Ajmal

Karthik R

Dhwani Ravi

Acknowledgements



Prof Pramod Khambete

Prof Ravi Pooviah

Prof Ajanta Sen

abhiprāyam
അഭിപ്രായം
Comments and Feedback

TEAM
Malayaliano



TEAM
Malayaliano