

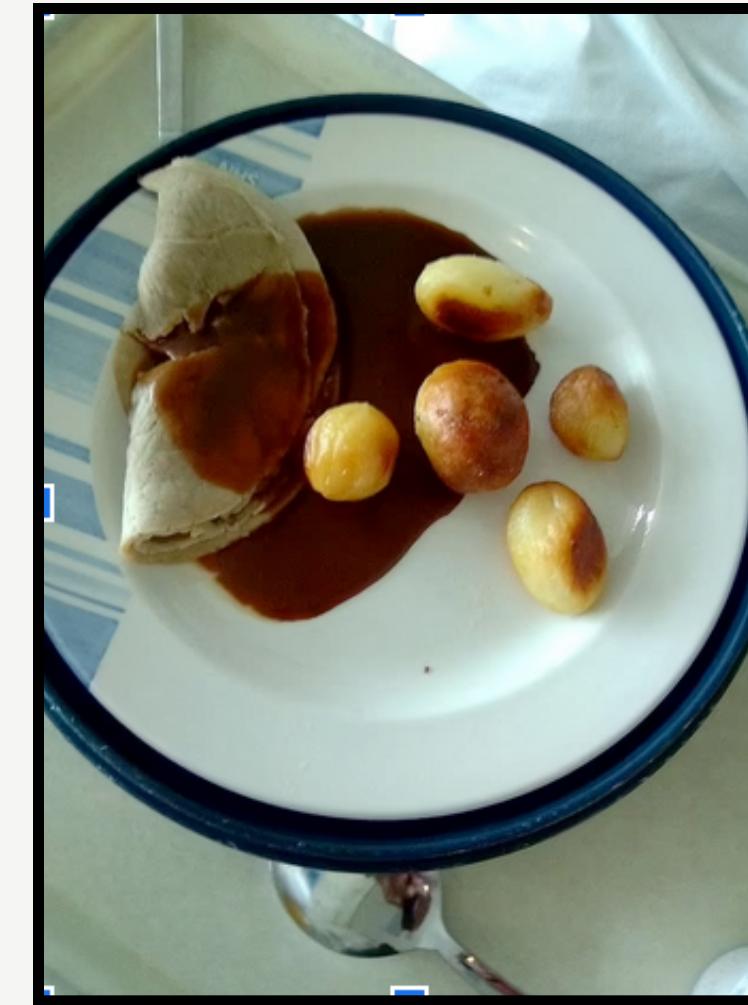
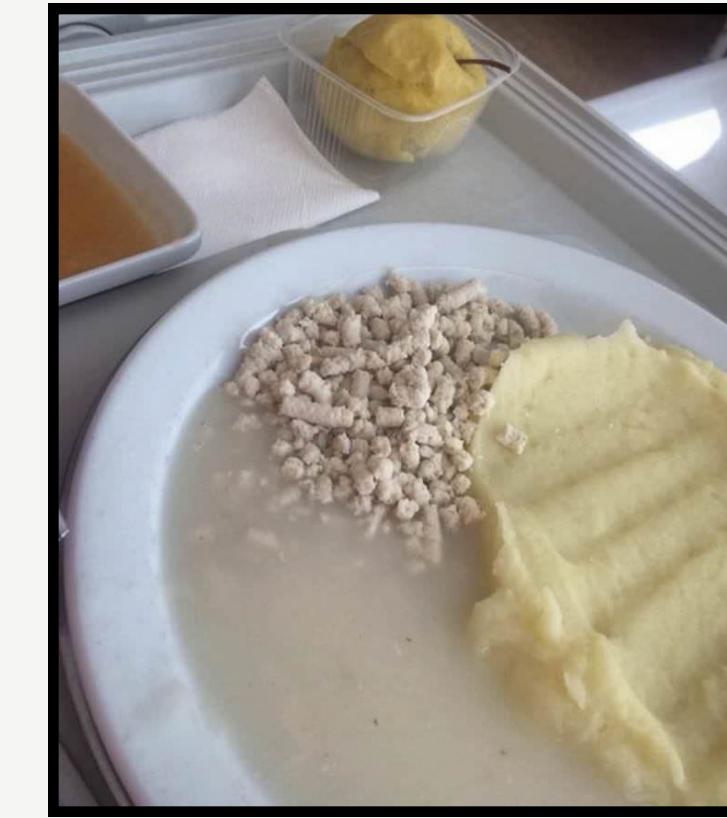
Oct 18, 2024

# MealMatch

by Team-218

# The Problem

Unappetizing food that deters patients  
from eating



## This Leads To...

Slower Recovery  
Decrease in mental and physical health  
Food Waste

"An in-depth analysis of hospital food waste in terms of magnitude, nutritional value, and environmental and financial perspectives: A cross-sectional study"

# **Studies Found The Average Hospital Discards Around 50.1% Food Served Daily**

Published in the journal Waste Management & Research in 2023

Each Discarded Meal totals  
.80¢  
 $100 \text{ patients} \times .80\text{¢} = 80\text{\$ Daily}$

$\$80 \times 365 \text{ Days}$   
 $\underline{\underline{= \$29,200 \text{ Yearly}}}$

Loss for both the Patient and Hospital

# MealMatch

provides alternative options while meeting the patients

## Cultural And Dietary needs

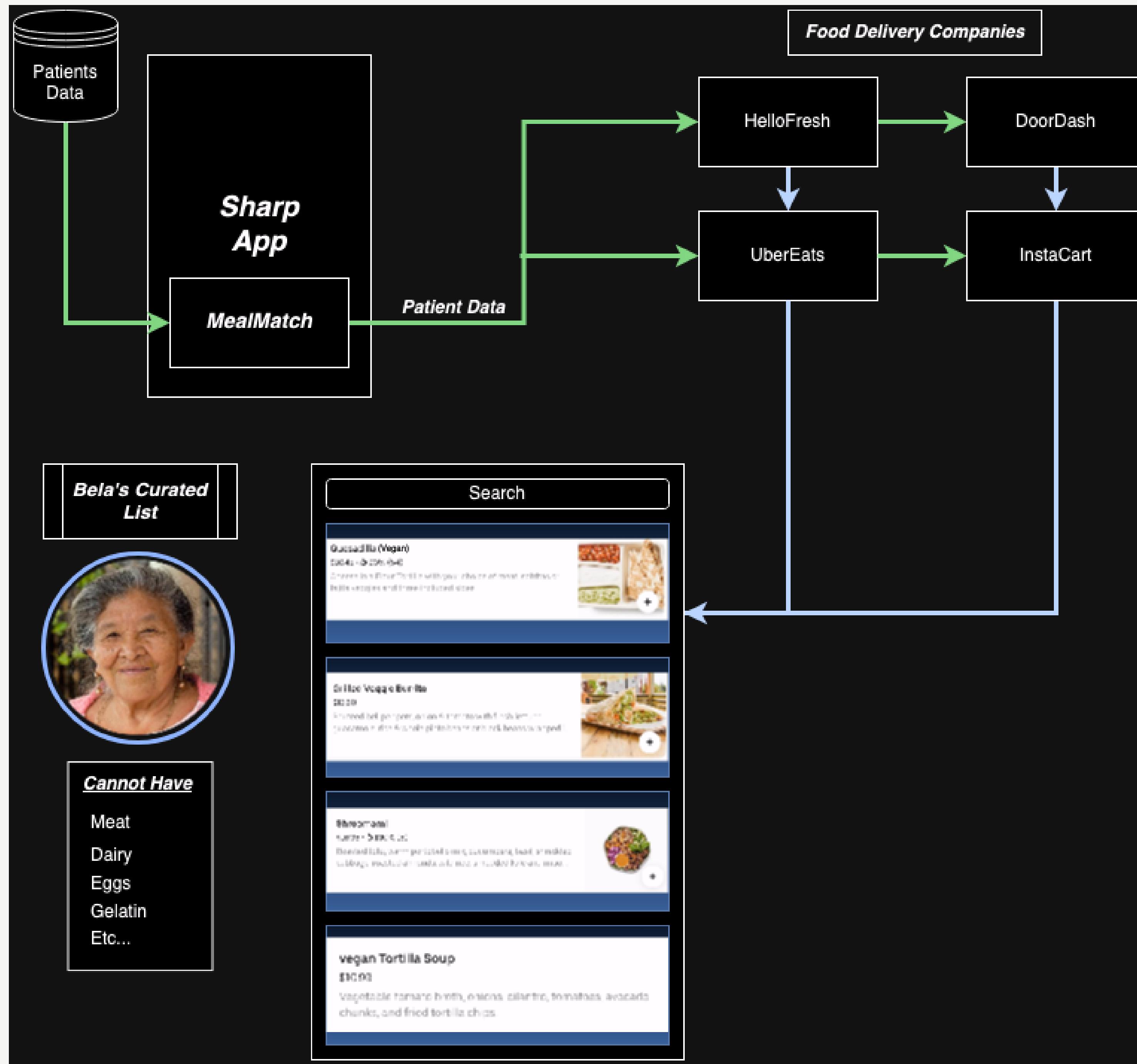
All done through the Sharp app by leveraging food delivery services such as...



Patient dietary data is shared with food delivery services using encryption

Temporarily stored through an api until order is fulfilled  
(Transient Data Storage)

# How It Works



SHARP AccountData Data | Cloud: Mc localhost:5173/patients New Chrome available

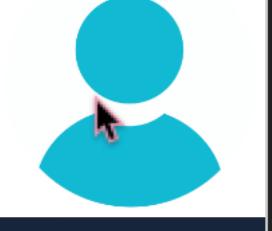
# Patients

PAT-003-60PRT Search

**Dietary Restrictions:**

- Sugar: 25g
- Carbohydrates: 250g
- Sodium: 0g
- Gluten: 0g
- Lactose: 0g
- Fat: 0g
- Meat: 0g
- Dairy: 0g
- Cholesterol: 0mg

**Patient Information**

**Name:** Robert Johnson 

**Age:** 60 years old

**Gender:** Male

**Height:** 175 cm

**Weight:** 90 kg

**Blood Type:** B+

**Medical Conditions:** Type 2 Diabetes, Obesity

**Last Checkup:** 6/30/2024

**Next Checkup Due:** 11/30/2024

**Medications:**

- Metformin - 500 mg, Twice daily
- Insulin - mg, Before meals

AccountData Data | Cloud: M... x | +

ost:5173/patients

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## Dietary Needs and Restrictions for Patient ID: PAT-003-60PRT

Robert Johnson

### Dietary Needs

Select Dietary Need  Amount  Add Dietary Need

### Dietary Restrictions

Select Dietary Restriction  Amount  Add Dietary Restriction

AccountData Data | Cloud: M... x | +

ost:5173/patients

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### Dietary Needs

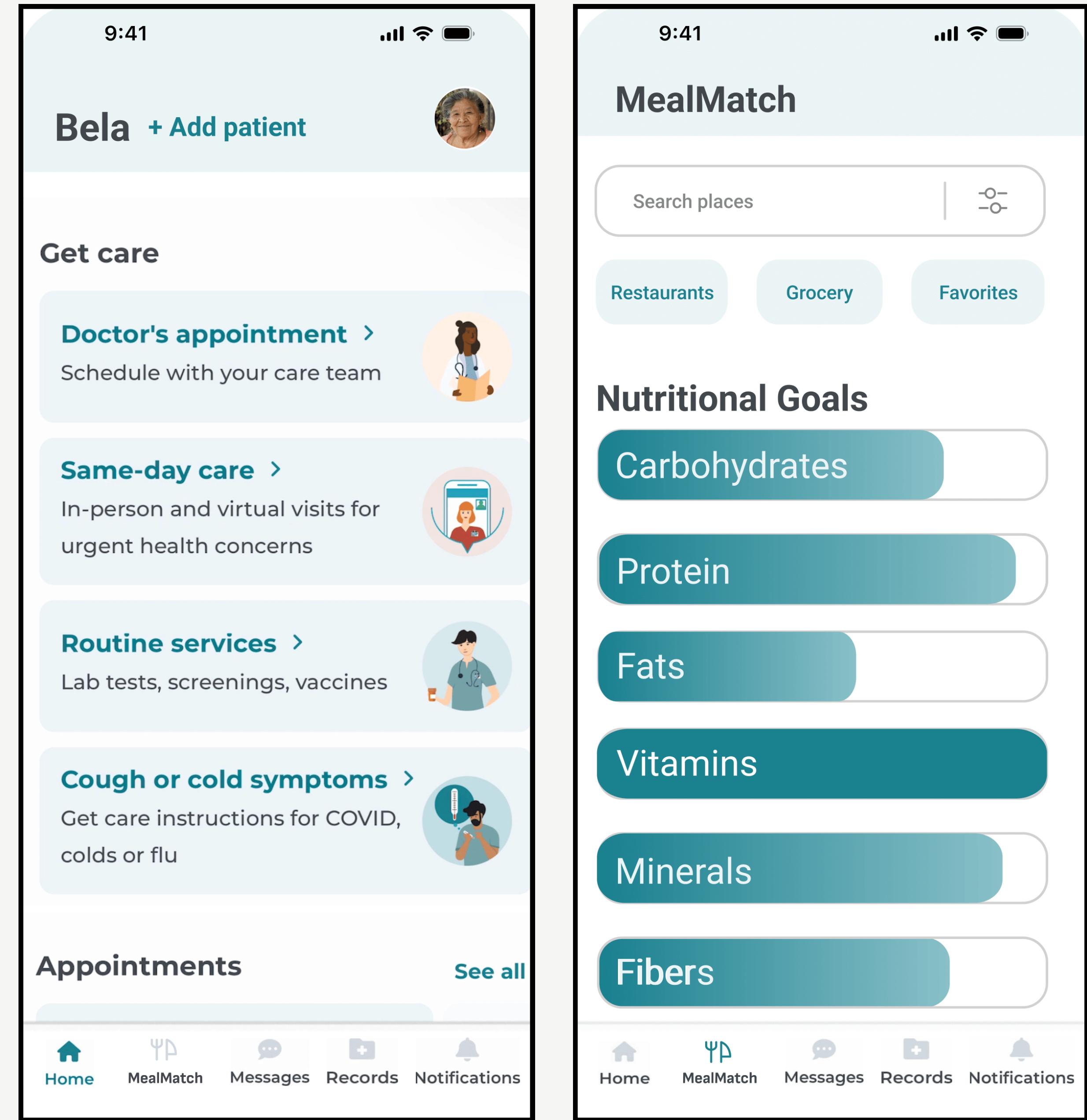
vitamin\_a: 40 mg

Select Dietary Need  Amount  Add Dietary Need

### Dietary Restrictions

fats: 30 g

Select Dietary Restriction  Amount  Add Dietary Restriction



**Restaurants Nearby**

**Plant Power Fast Food** ★ 4.8 \$\$\$  
20 min

**The Melt** ★ 4.7 \$\$\$  
35 min

**Sweetgreen** ★ 4.5 \$\$\$  
30 min

**Urban Plates** ★ 4.3 \$\$\$  
30 min

**Overview** **Menu**

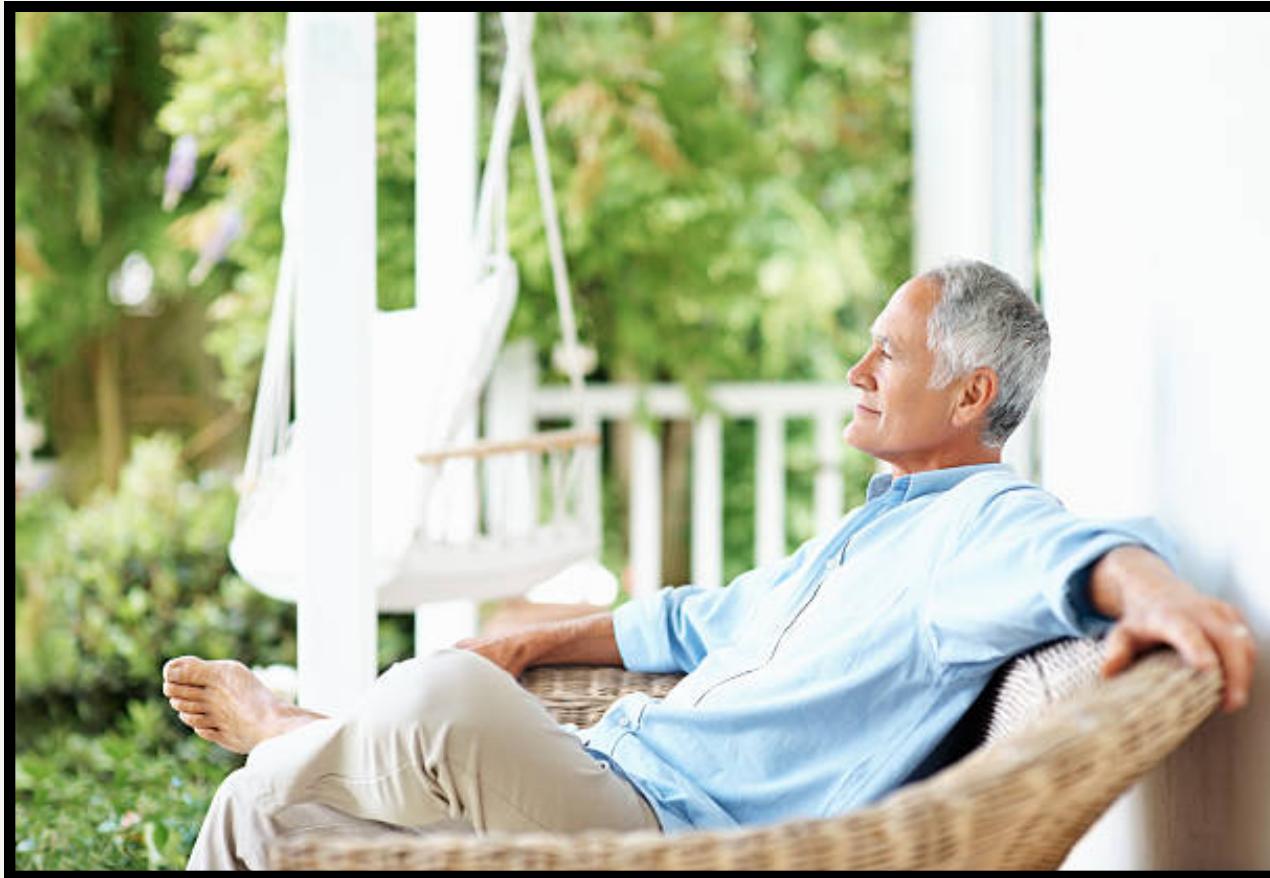
Plant Power Fast Food in the Turning Point neighborhood of Las Vegas offers a variety of vegan cuisine with a fast food twist. The menu features a range of burgers such as the Western Burger and Holy Guacamole Burger, alongside handheld options like the 'Chicken'

**Order Now**

Home MealMatch Messages Records Notifications

# Continuing Healthy Choices: From Hospital to Home

After patient discharge, it can be a struggle for patients to continue this balanced diet at home. To keep this diet on track, MealMatch will offer home deliveries curated to their culture and diet. Weekly deliveries can be set up by their nurses or from friends or family, using notes from the hospital highlighting dietary restrictions.



Healthy diet keeps patients away from the hospital

Patients Progress  
is here to Stay

# Q&A