



# CATALYST

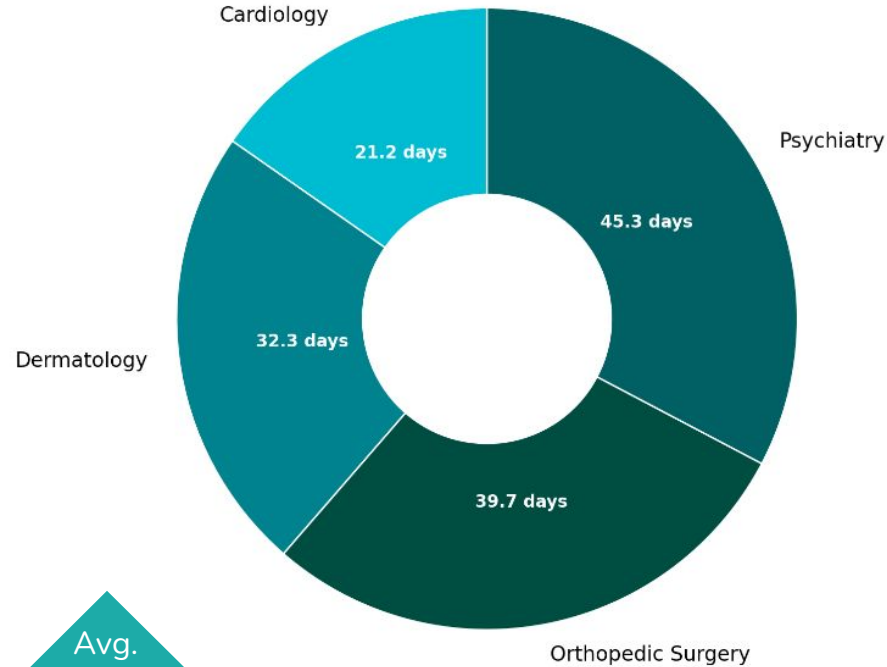
**Fast-Tracking Specialist Access for  
Smarter, Quicker Care!**

---

**By: Radhika, Aayush, Shreya, Priyansh**

## Insane wait times to see a specialist

### Distribution of Avg wait times by Speciality

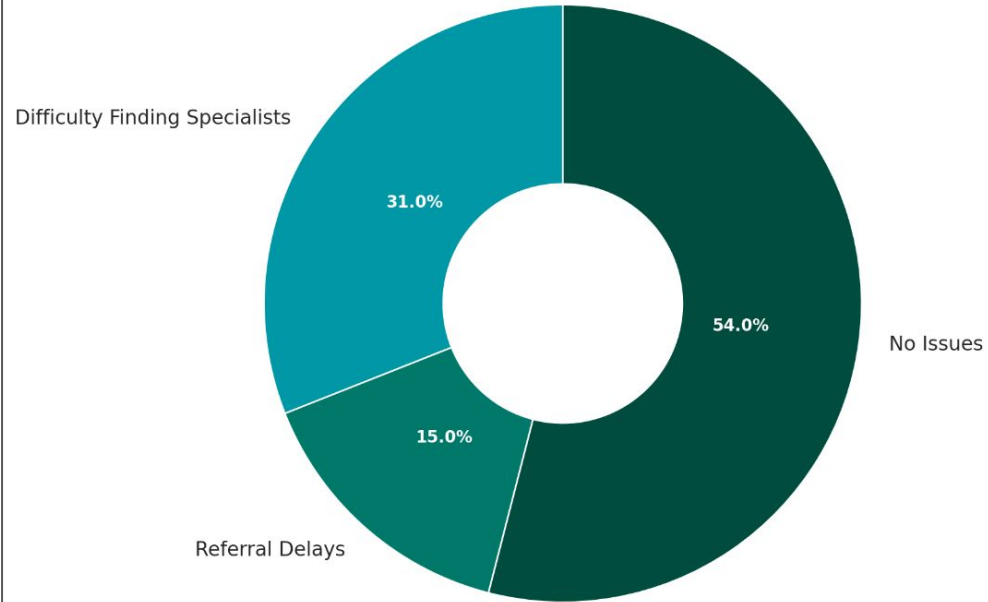


Avg.  
21.1  
days

Source: American Academy of Family Physicians (AAFP)

## High unsatisfactory rates in finding the right one

### Patient Issues in Finding Specialists

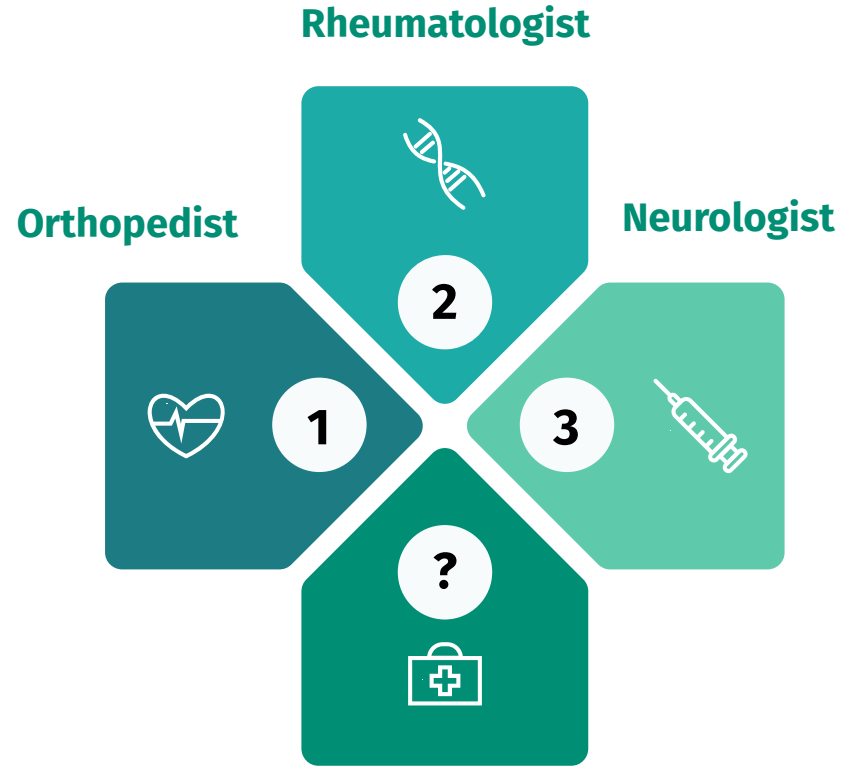


Source: National Health Interview Survey (NHIS) and reports from the Kaiser Family Foundation (KFF)



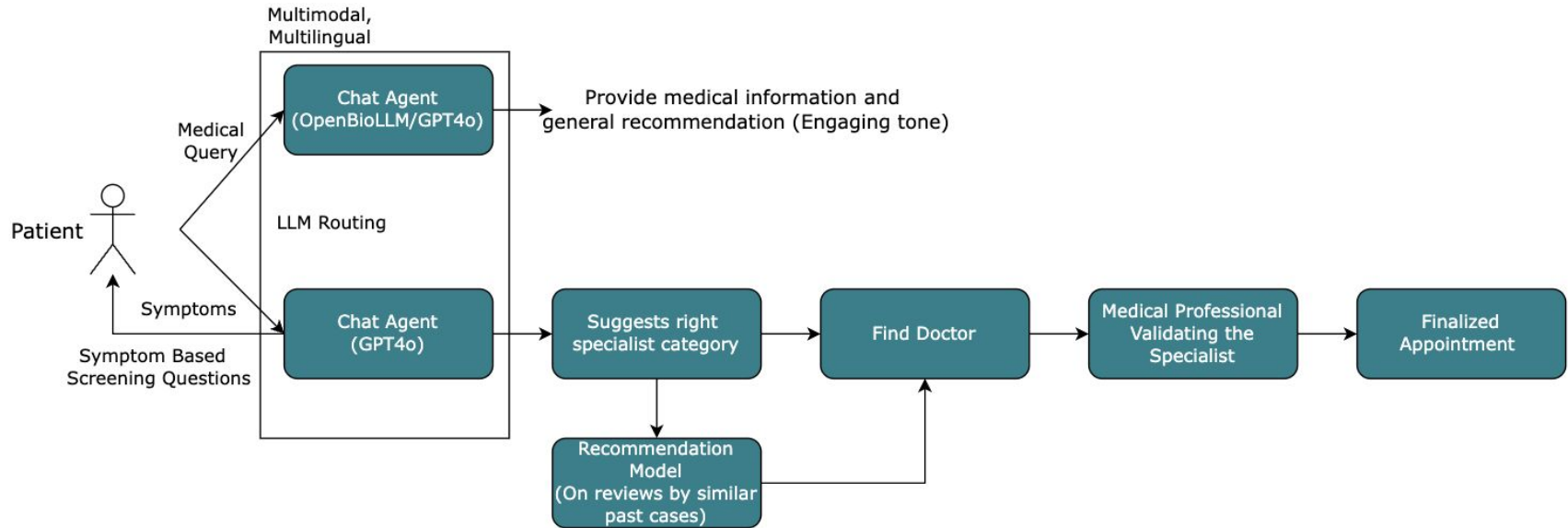
Symptoms:

- Persistent Joint Pain
- Swelling in hands
- More than 3 weeks



**All deal with joint pains,  
but only 1 is the best fit!**

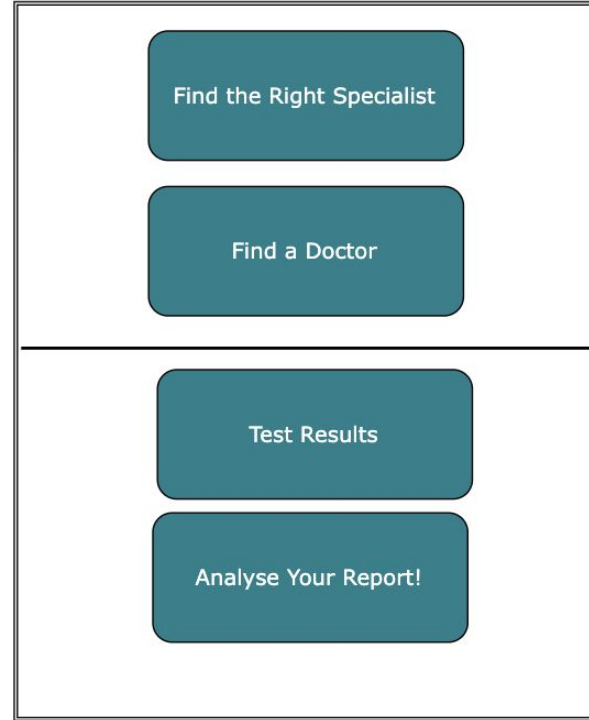
## PROCESS FLOW



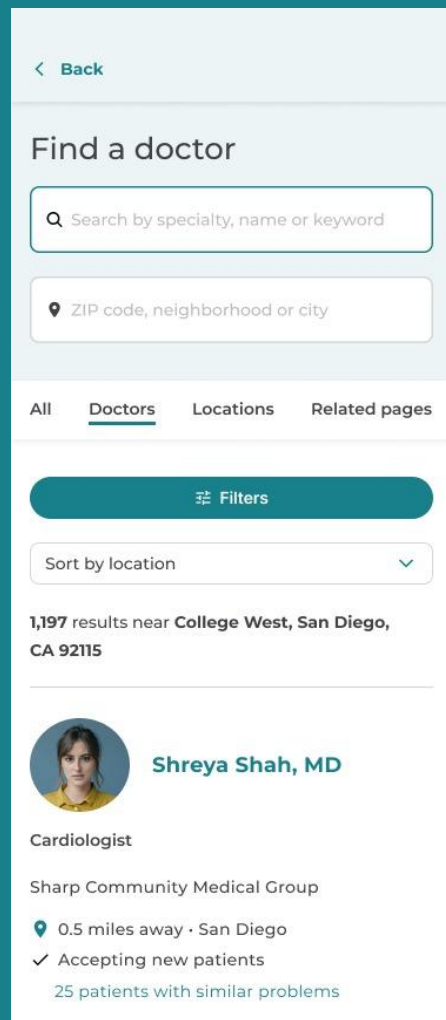
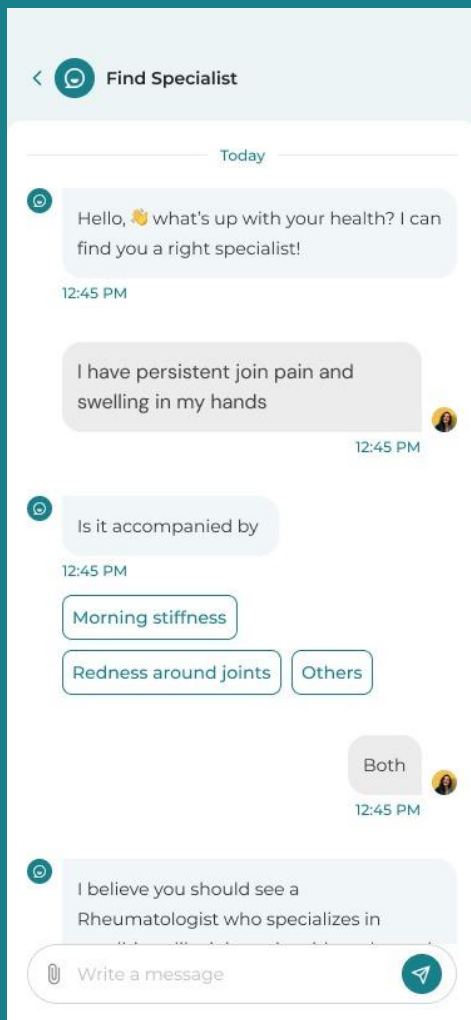
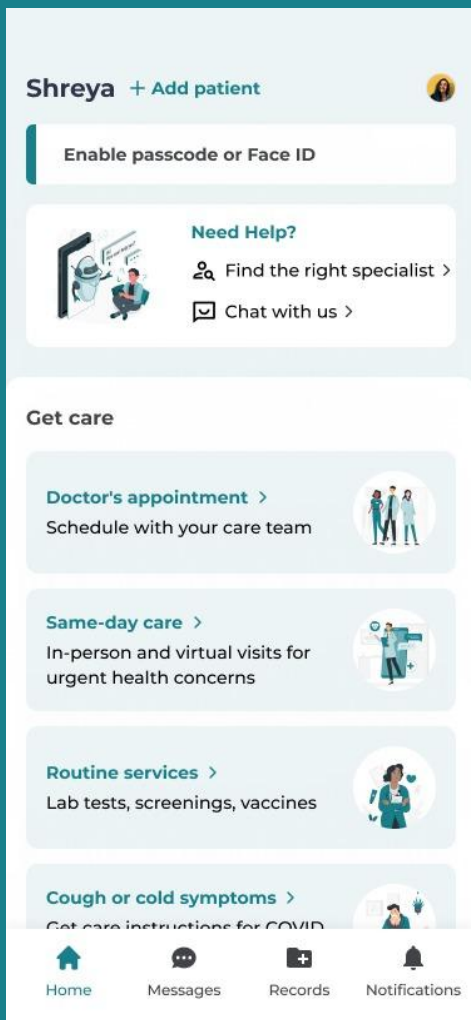
## Existing



## Catalyst



# Demo Link



# Crystal Clear Reports: No More Healthcare Jargon!



[Back](#)[Test Results](#)[Close](#)



## Test Results



[Settings and filters](#)



### Individual Results

Showing 4 of 4

**ABO/RH**  
Oct 01, 2024  
 **Greg Steele, OD**

**PROTIME-INR**  
Jul 30, 2024  
 **Paul Abou, MD**

**BASIC METABOLIC PANEL/RH**  
Jul 30, 2024  
 **Paul Abou, MD**

**HEMOGRAM**  
Jul 30, 2024  
 **Paul Abou, MD**

There are no more test results available.

[<](#) **ABO/RH**

Patient Information:

- Name: John Doe
- Age: 45
- Gender: Male
- Date of Birth: 15 March 1979
- Report Date: 19 October 2024

Lab Test Results:

Test Name: Fasting Blood Sugar (FBS)

- Result: 145 mg/dL
- Reference Range: 70-100 mg/dL
- Interpretation: Elevated, indicative of impaired glucose regulation or diabetes.

Test Name: HbA1c (Glycated Hemoglobin)


- Result: 8.2%
- Reference Range: 4.0% - 5.6%
- Interpretation: Poor glycemic control, consistent with diabetes. A value of  $\geq 6.5\%$  is considered diagnostic for diabetes.


Test Name: Postprandial Blood Sugar (PPBS)

- Result: 180 mg/dL
- Reference Range: <140 mg/dL
- Interpretation: Elevated, consistent with diabetes mellitus.

Test Name: Lipid Profile

- Total Cholesterol: 210 mg/dL (Reference Range: <200 mg/dL)
- LDL (Low-Density Lipoprotein): 130 mg/dL (Reference Range: <100 mg/dL)
- HDL (High-Density Lipoprotein): 45 mg/dL (Reference Range: >40 mg/dL)

 **Analyse Your report**

[<](#)  **Report Analysis**

Today

Patient Information:

- Name: John Doe
- Age: 45
- Gender: Male
- Date of Birth: 15 March 1979
- Report Date: 19 October 2024


Lab Test Results:

Test Name: Fasting Blood Sugar (FBS)

- Result: 145 mg/dL
- Reference Range: 70-100 mg/dL.....**more**

analyse the report


12:45 PM




his report belongs to a 45-year-old male, John Doe. His lab results show:

1. Fasting Blood Sugar (FBS): 145 mg/dL (normal is 70-100 mg/dL) – This is high and suggests issues with blood sugar control, possibly diabetes.
2. HbA1c (Glycated Hemoglobin): 8.2% (normal is 4.0-5.6%) – This indicates poor long-term blood sugar control, confirming diabetes.

Levels above 6.5% are diagnostic diabetes.

 Write a message



# Benefits:

Both **patients and doctors** in three key ways:

## 1. **Specialist Prediction**

- Predicting the right specialist based on patient symptoms
- Reducing the need for searching a doc across multiple websites
- Ensures doctors receive the right patients for efficient care

## 2. **Comparable Case Data & Reviews**

- Enhancing decision-making for both with insights from similar situations
- Boosting confidence with the chosen treatment path

## 3. **Patient Report Summary**

- Breaks down medical jargon into simple language for patient
- Pre-Diagnosis Insight to doc for follow-up appointment, saving time and allowing them to prepare for the consultation





**THANK YOU!**