

UX Designer Candidate Project for **vitruvi**

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April 22, 2022

Health Center Patient Demand Profiler

We are building a tool to help health centers manage workloads.

Our R&D team has built a great predictive algorithm that creates a profile of the number of patients (booked and walk-in) that will be coming in a week ahead.

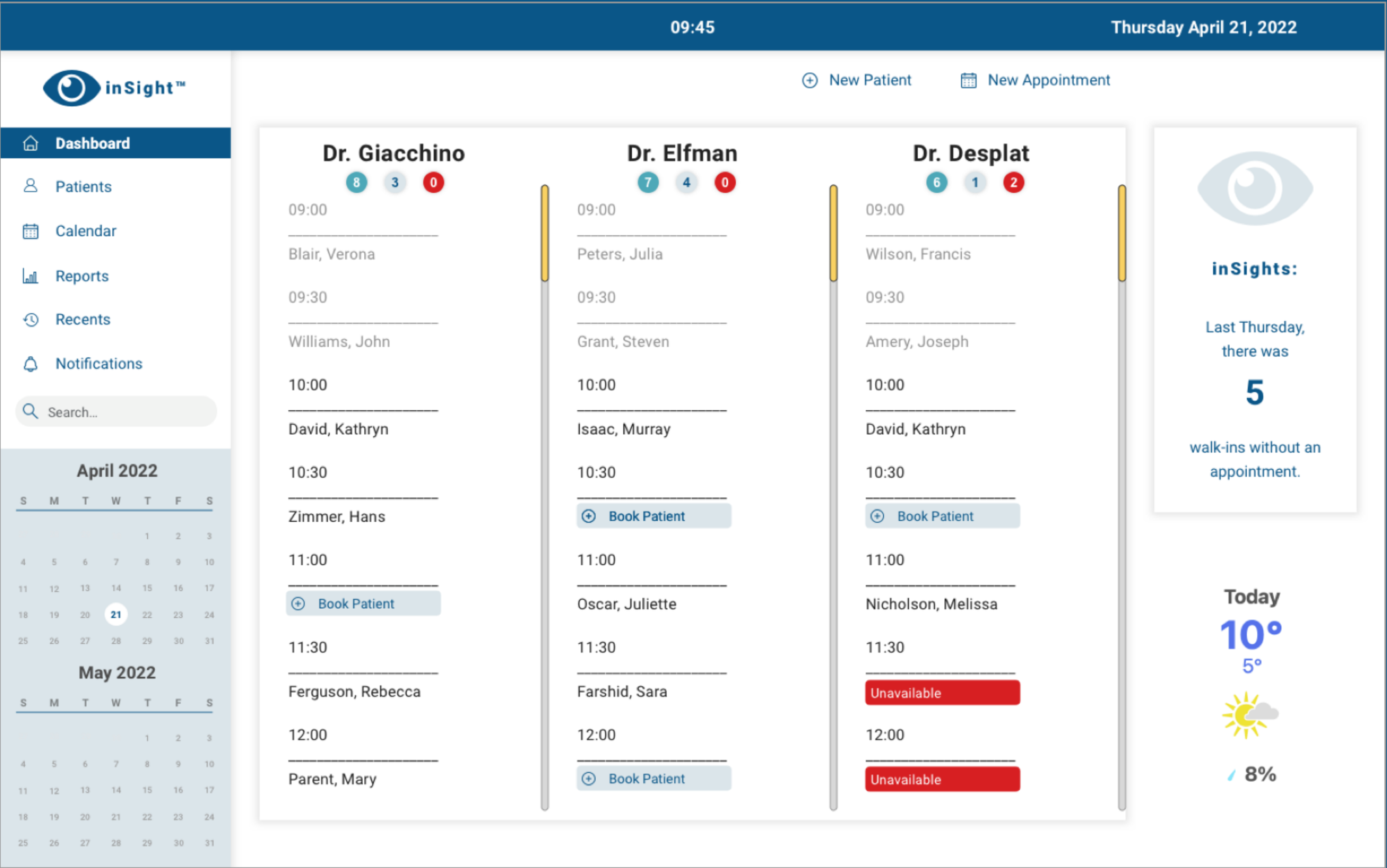
We want to use this capability to allow the charge nurse to be able to view and drill into this demand profile.

Story 1:

As a charge or head nurse, I want to ensure that walk-ins can be scheduled, so that those patients can receive care.

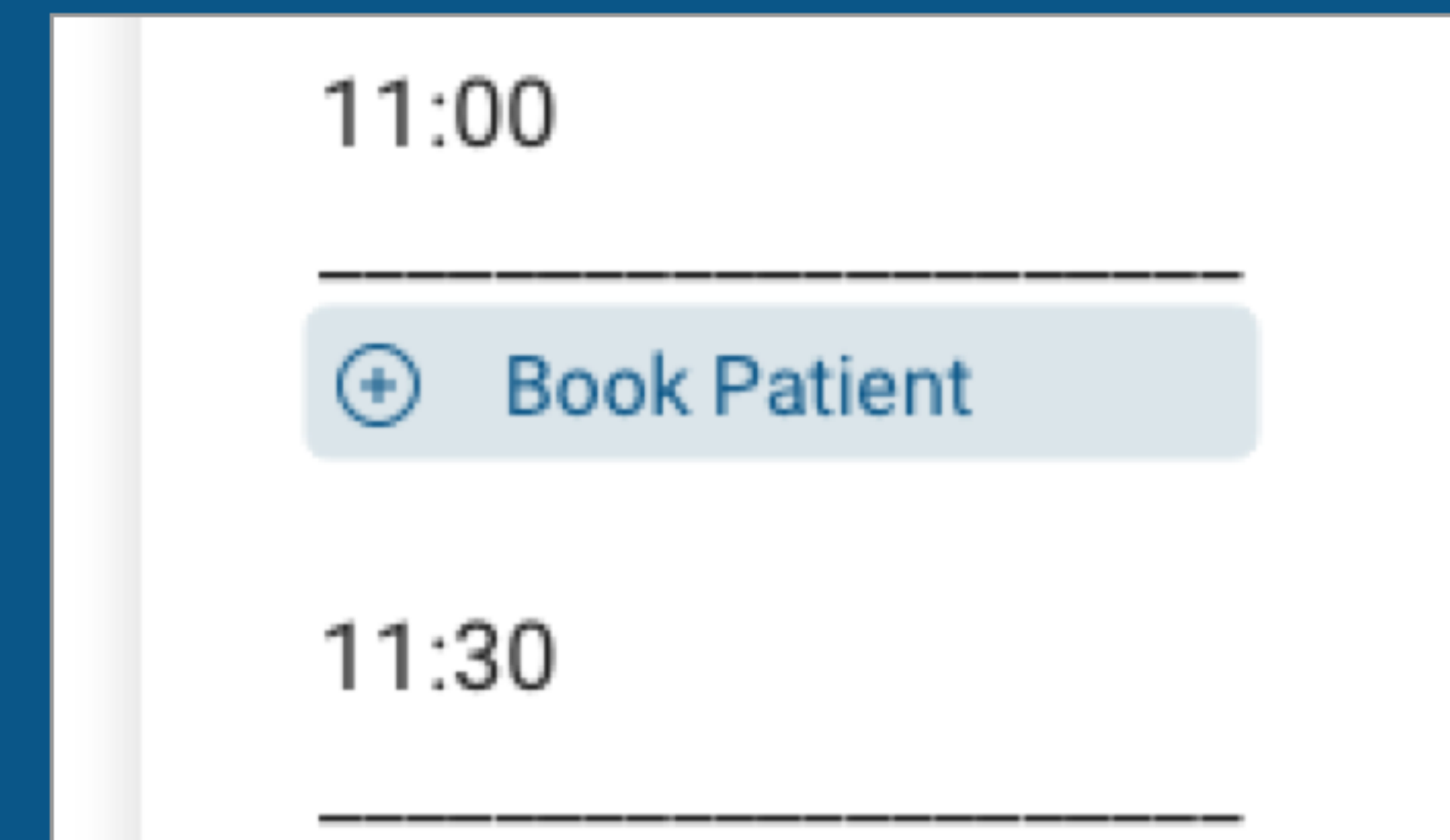
Story 1:

A dashboard shows each physicians schedule for the day, including the number of booked patients and available time slots.



Story 1:

In the dashboard, or any 'agenda' view displaying that day's appointments, a 'Book Patient' link opens the scheduler in one click, with the doctor's name pre-populated, so all is required is selecting the patient's name.



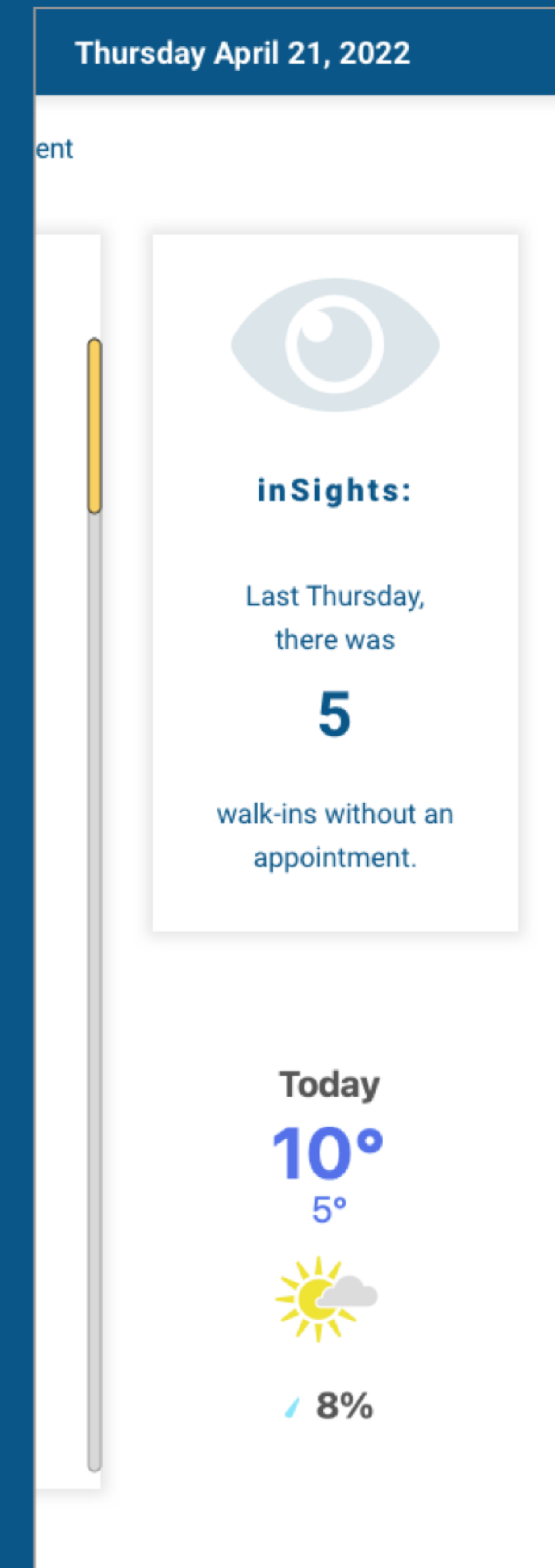
Links above the agenda view easily allow a new patient to be entered into the system, or for an existing patient to book an appointment for another day.



Story 1:

The 'inSights' panel (right) shows information from the algorithm that prepares the user for potential walk-in traffic.

Local weather could be an indicator for when to expect patients may be running late.



Story 2:

As a charge or head nurse I want to understand the volume of patients so that I can make scheduling decisions.

Story 2:

The dashboard, inSight’s home screen, shows each physicians schedule for the day, including the number of patients and available time slots.

Dr. Giacchino

8

3

0

A number tally under each Doctor’s name displays the day’s number of patients and time slots available and unavailable for booking.

09:45

Thursday April 21, 2022

inSight™

Dashboard

Patients

Calendar

Reports

Recents

Notifications

Search...

April 2022

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

May 2022

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Dr. Giacchino

8

3

0

09:00

Blair, Verona

09:30

Williams, John

10:00

David, Kathryn

10:30

Zimmer, Hans

11:00

Book Patient

11:30

Ferguson, Rebecca

12:00

Parent, Mary

Dr. Elfman

7

4

0

09:00

Peters, Julia

09:30

Grant, Steven

10:00

Isaac, Murray

10:30

Book Patient

11:00

Oscar, Juliette

11:30

Farshid, Sara

12:00

Book Patient

Dr. Desplat

6

1

2

09:00

Wilson, Francis

09:30

Amery, Joseph

10:00

David, Kathryn

10:30

Book Patient

11:00

Nicholson, Melissa

11:30

Unavailable

12:00

Unavailable

inSights:

Last Thursday, there was

5

walk-ins without an appointment.

Today

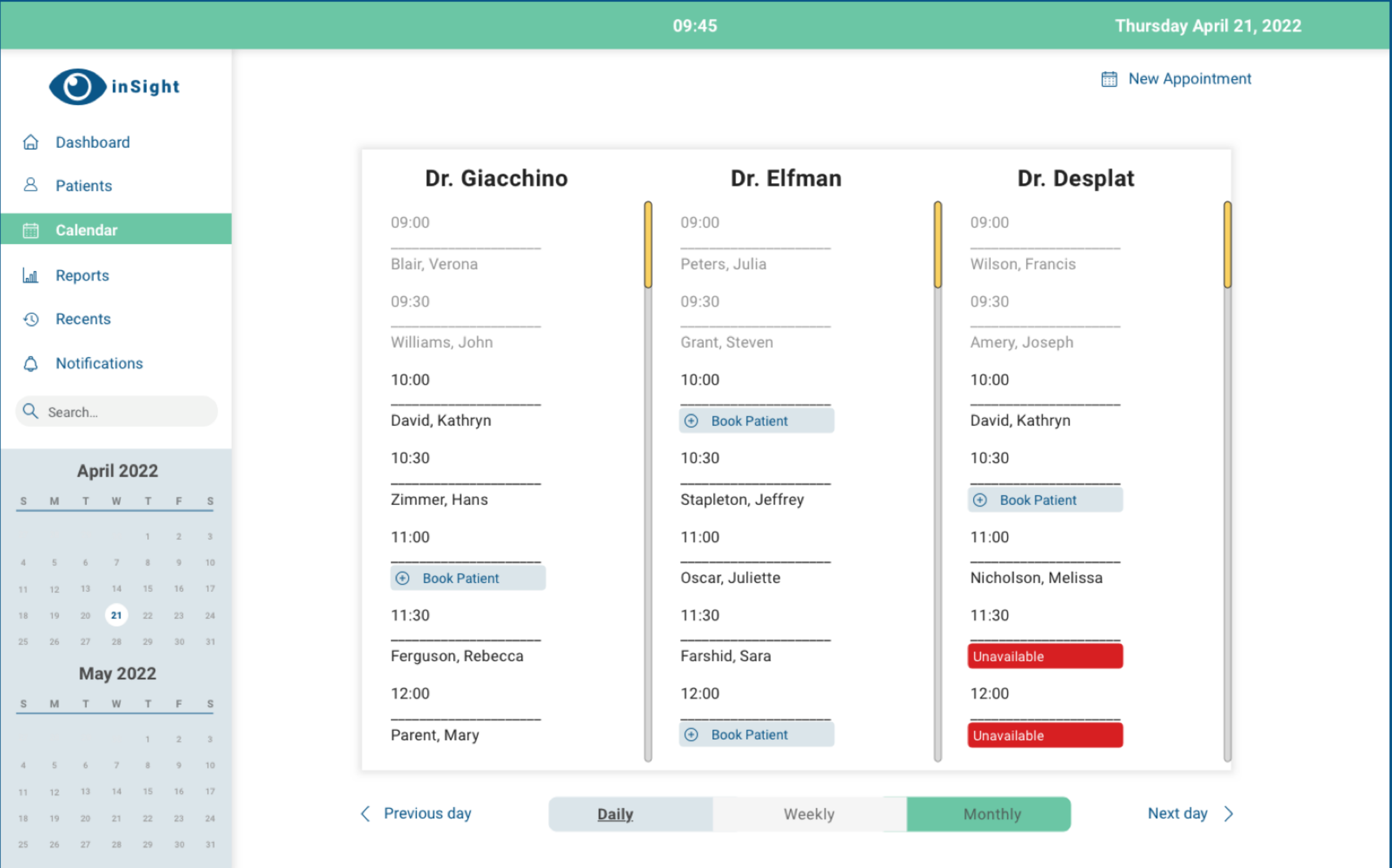
10°

5°

8%

Story 2:

Calendar view allows the charge nurse to view each day, week or month in its own views.



Calendar Daily view

Story 2:

Charts display the estimated number of walk-ins based on accumulated data for that clinic location.

[Dashboard](#)
[Patients](#)
[Calendar](#)
[Reports](#)
[Recents](#)
[Notifications](#)

April 2022

S	M	T	W	T	F	S
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09:45

Thursday April 21, 2022

New Appointment

April 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	09:00 Blair, Verona 09:30 Williams, John 10:00 David, Kathryn 10:30 Zimmer, Hans 11:00 Hooper, Nicholas 11:30 Ferguson, Rebecca 12:00 Parent, Mary	09:00 Blair, Verona 09:30 Williams, John 10:00 David, Kathryn 10:30 Zimmer, Hans 11:00 Hooper, Nicholas 11:30 Ferguson, Rebecca 12:00 Parent, Mary	09:00 Blair, Verona 09:30 Williams, John 10:00 David, Kathryn 10:30 Zimmer, Hans 11:00 Hooper, Nicholas 11:30 Ferguson, Rebecca 12:00 Parent, Mary	09:00 Blair, Verona 09:30 Williams, John 10:00 David, Kathryn 10:30 Zimmer, Hans 11:00 Hooper, Nicholas 11:30 Ferguson, Rebecca 12:00 Parent, Mary	09:00 Blair, Verona 09:30 Williams, John 10:00 David, Kathryn 10:30 Zimmer, Hans 11:00 Hooper, Nicholas 11:30 Ferguson, Rebecca 12:00 Parent, Mary	

Walk-ins estimated by inSight™

Day	Estimated Walk-ins
Monday	5
Tuesday	3
Wednesday	1
Thursday	8
Friday	4

[Previous week](#)

Daily

Weekly

Monthly

[Next week](#)

Calendar weekly view

Thank you for reading.

If you'd like to try out a prototype, visit the link below:

<https://tinyurl.com/warrenbuckley>