MITRE / FLUX NOTES CONCEPTS 14.16

EDWIN CHOI, DANIEL REEVES, JUHAN SONIN, 7.NOV.2018



Ductal carcinoma of the breast -

Q Debra24 search...

ROS currently displays only one date. Pagination is used to support questions in excell of 10.

Suggestion: paginate dates, and use two columns to present all questions at once.

Dr. Jraker299 referred ms. Debra24 Hernandez98Aj due to pain in left breast. Dr. Jraker299 is ms. Debra24 Hernandez98Aj's

primary care physician for 12 years.

Summary

Review of Systems Gastrointestinal stromal tumor

Medication

Timeline

Allergies

Labs

Social

Disease status

Prev 1 2 3 ... 6 Next

∨ 3 Mar 2017	Author: Joyce Byers111	2 of 15 positive	
Headaches	Yes	Hot flashes	No
Rashes	Yes	Nausea	No
Abdominal pains	No	Pain	No
Bloody stools	No	Stomach aches	No
Chest pains	No	Uncomfortable sensations of difficulty breathing	
Coughing	No	Vertigo	No
Diarrhea	No	Vomiting	No
Fevers	No	vorniting	NO
> 29 Jan 2017	Author: Joyce Byers111	1 of 15 positive	
> 23 Dec 2016	Author: Joyce Byers111	4 of 15 positive	
> 15 Dec 2016	Author: Silvia Perez221	0 of 11 positive	
1-4 entries of 23			



New note

Sort by most recent ▼

+ Search filters

47 previous notes

2 Aug 2017

Clinical follow-up

Dr. Free2 Will

Dana Farber Cancer Insti...

20 Jun 2017

Clinical follow-up

Dr. Free2 Will Dana Farber Cancer Insti...

14 May 2017

Clinical follow-up

Dr. Free2 Will

Dana Farber Cancer Insti...

8 May 2017

Clinical follow-up

Dr. Free2 Will

Dana Farber Cancer Insti...

Admin. sex Location Boston, MA

Ductal carcinoma of the breast -

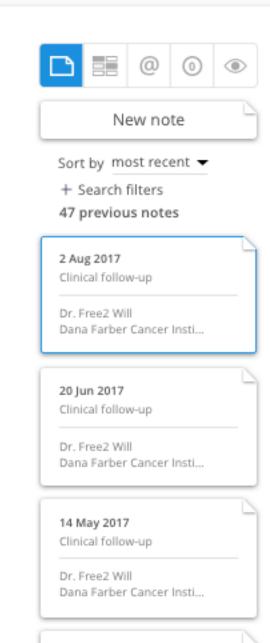
Q Debra24 search...



Prev 1 2 3 ... 6 Next

Disease

status





Dr. Free2 Will Dana Farber Cancer Insti...

POC improvements

remove the "done" box, and replace with active text "skip", "done", and "edit" shift expand arrow to left of current key (e.g. "Status") reword add toxicity to "add another toxicity" and shift to left hand side

Hernandezoonj dde to pain in iert

Ductal carcinoma of the breast 🔻

Debra24 search...

2109A

Delete note

created date: 10 April 2018

× Close





Sign note



Summary

Timeline

Medication

Allergies

Labs

Social

Disease

status

breast. Dr. Jraker299 is ms. Debra24 Hernandez98Aj's primary care physician for 12 years.

Summary

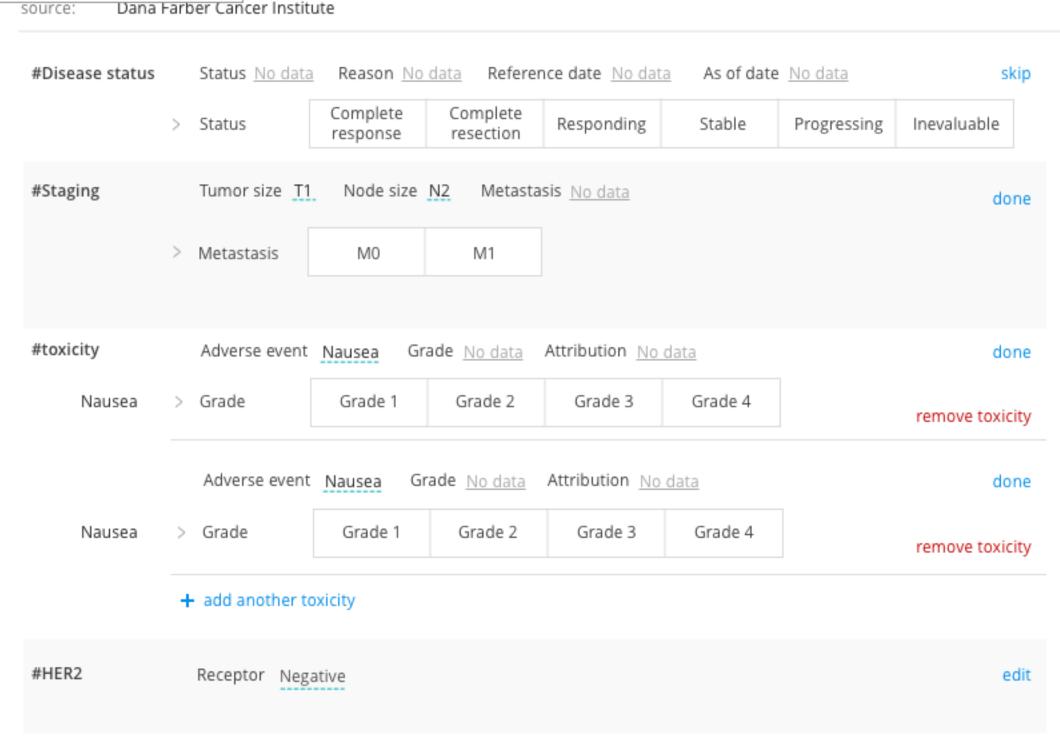


Ms. Debra24 Hernandez98Aj is a 51year-old menopausal non hispanic
or latino woman with invasive ductal
carcinoma of the breast, diagnosed
on 13 January 2012. Her most recent
status, recorded on 15 May 2017, is
of worsening, disease progression
based on pathology, imaging, and
symptoms.

She underwent a lumpectomy. She underwent a sentinel lymph node biopsy on 20 September 2012 which revealed infiltrating poorly differentiated ductal carcinoma, stage IV, estrogen receptor 0, etc.

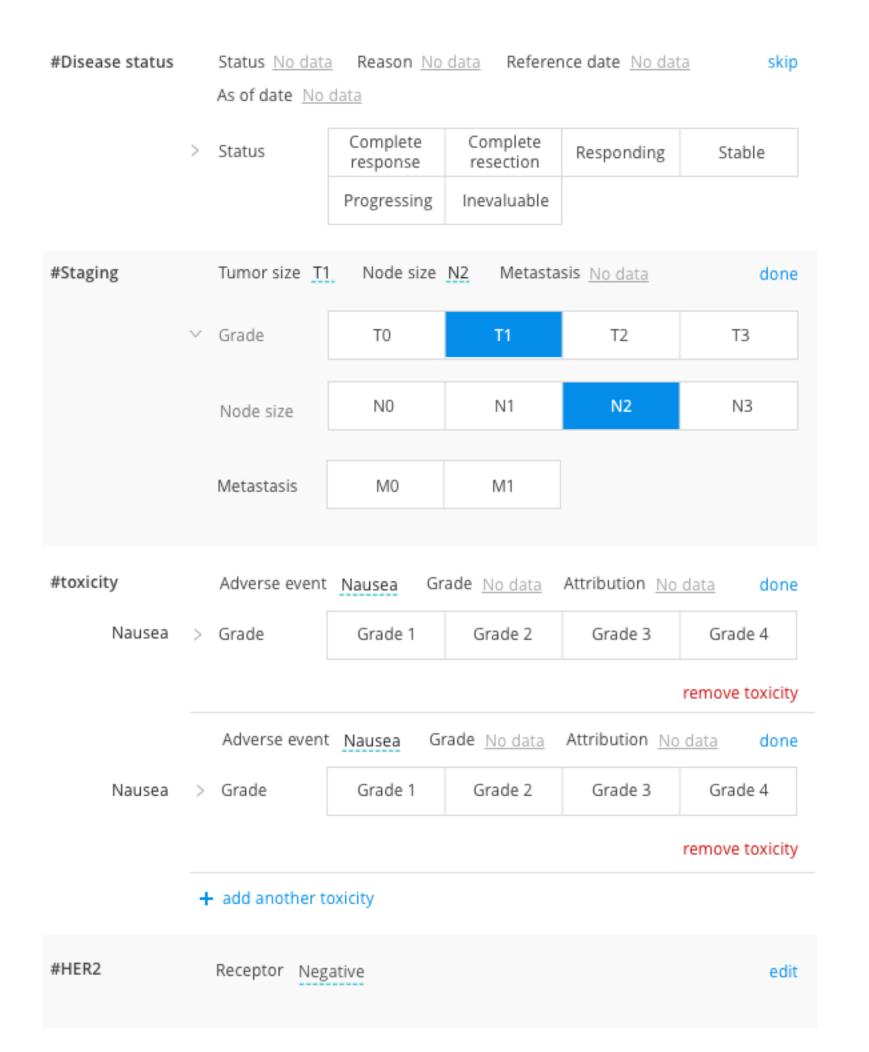
diagnostic mammogram on 4

October 2013 revealed a 2 cm mass
in the right breast at 7 o'clock and an



1 incomplete

Placeholder



do not break within a key "As of date"
keep key (Status) centered on the first line of buttons

move "remove toxicity" below selector and provide ample space

Low Cost Styling Improvements

Several very simple changes that bring Flux Notes more in line with current designs. Big visual bang per buck.

Buttons



No drop shadows.

Preferred

Grade 1	Grade 2	Grade 3	Grade 4				
Fallback							
Grade 1	Grade 2	Grade 3	Grade 4				

On selectors, overlap inner borders to make a single continuous selector.

Round outer edges only, and not inner edges. If not possible, do not round any edges.

Scrollbar

content

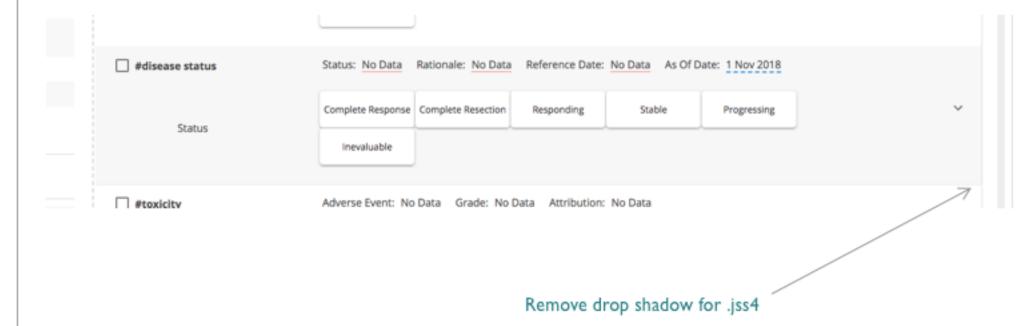
```
width = 12
```

```
::-webkit-scrollbar-thumb {
   border-radius: 6px;
   background: #F0F0F0;
   /* -webkit-box-shadow: inset 0 0 5px
rgba(0,0,0,.5); */
}
::-webkit-scrollbar-thumb:hover {
   background: #DDDDDD;
}
```

no drop-shadow new color round edges

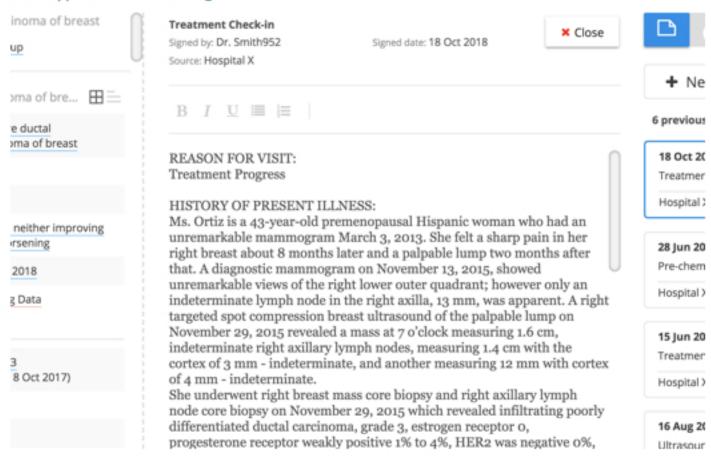
maintain padding betwen content and scrollbar

POC table style



Note Styling

screenshot of current note typeface: I em, Georgia



Template Styling

Styling of template sectioning should match the targeted data panel styling. Section headings are in **Bold Title Case.**

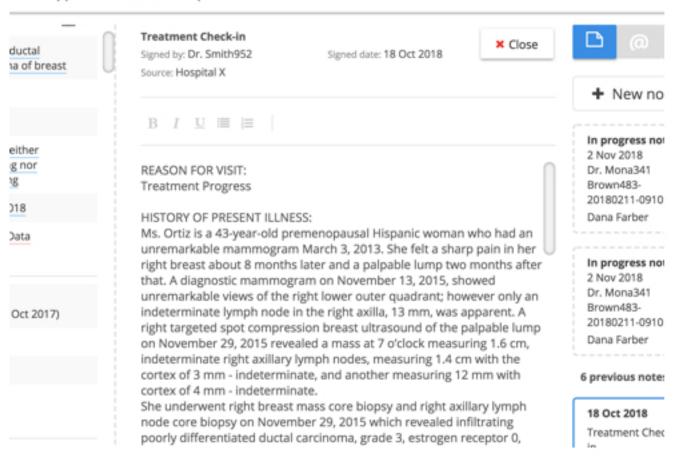
Reason for Visit:

Treatment Progress

History of Present Illness:

Ms. Ortiz is a 43-year-old premenopausal Hispanic woman

screenshot of current designs note typeface: 0.9 em, Open Sans



insert "Rashes: Yes"

1616 09:53 am.

Recorded by Judy Smith332 based on

brown483 from encounter on 19 Mar

information from Dr. Mona341

source

Chest pains

Coughing

Diarrhea

Fevers

Labs

Social

Disease

status

New note Sort by most recent ▼ + Search filters 47 previous notes 2 Aug 2017 Clinical follow-up Dr. Free2 Will Dana Farber Cancer Insti... 20 Jun 2017 Clinical follow-up Dr. Free2 Will Dana Farber Cancer Insti... 14 May 2017 Clinical follow-up Dr. Free2 Will Dana Farber Cancer Insti... 8 May 2017 Clinical follow-up

Dr. Free2 Will

Two ways to present data

without note: hiding in child

window or always present.

Dana Farber Cancer Insti...

View 10 more clinical

notes from 2015 - 2017

The current labs and vitals displays suffer from several shortcomings:

- I. It is not possible to quickly browse all the most recent values
- 2. While the charts have detail and indicate trending, they are large and inefficient to page through.

Concept: Table has one row per lab/vital and displays most recent measurement. Each row also carries high priority historical information, and can be expanded to show the full history.

Approach: Use a sparkline to display trending and warning information, and indicate min/max values over the trendline period to indicate measurement range.

Labs Ductal carcinoma of the breast Labs (5) sparkline 6 months ▼ Hemoglobin 15% 12.Oct.18 10 6.74 10⁹/L 12.Oct.18 WBC count Blood urea nitrogen 120 mg/dl 12.Oct.18 150 mg/dl 12.Oct.18 Calcium 110 50 Carbon dioxide

35 mg/dl

30

12.Oct.18

Timeline

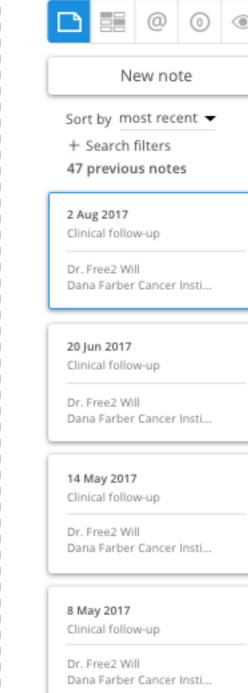
Medication

Allergies

Treatment Options

Social

Disease status



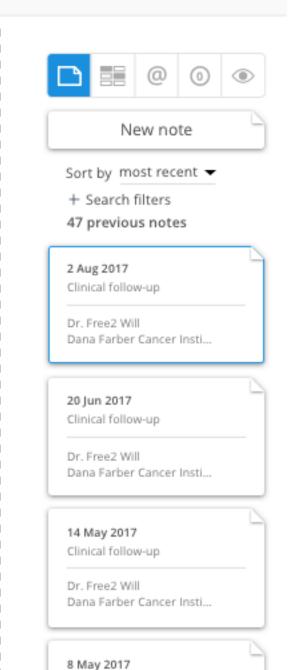
Design A

Disease status

The user taps a row, which expands to show all data points within the selected time frame. Each date is accompanied by a the sparkline with a shifted data point.

Labs and Vitals: Integration of tables and charts

Summary Labs Ductal carcinoma of the breast Labs (84) sparkline 6 months ▼ Timeline 19 Hemoglobin 12.Oct.18 15% 10 6.74 10⁹/L 12.Oct.18 WBC count Medication 120 mg/dl Blood urea nitrogen 12.Oct.18 100 mg/dl 11.Jul.18 120 mg/dl 4.May.18 Allergies 200 mg/dl 15.Apr.18 90 mg/dl 5.Mar.18 Treatment Options Calcium 150 mg/dl 12.Oct.18 110 Carbon dioxide 35 mg/dl 12.Oct.18 Social

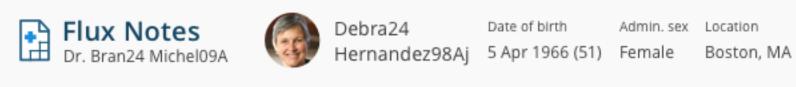


Clinical follow-up

Dana Farber Cancer Insti...

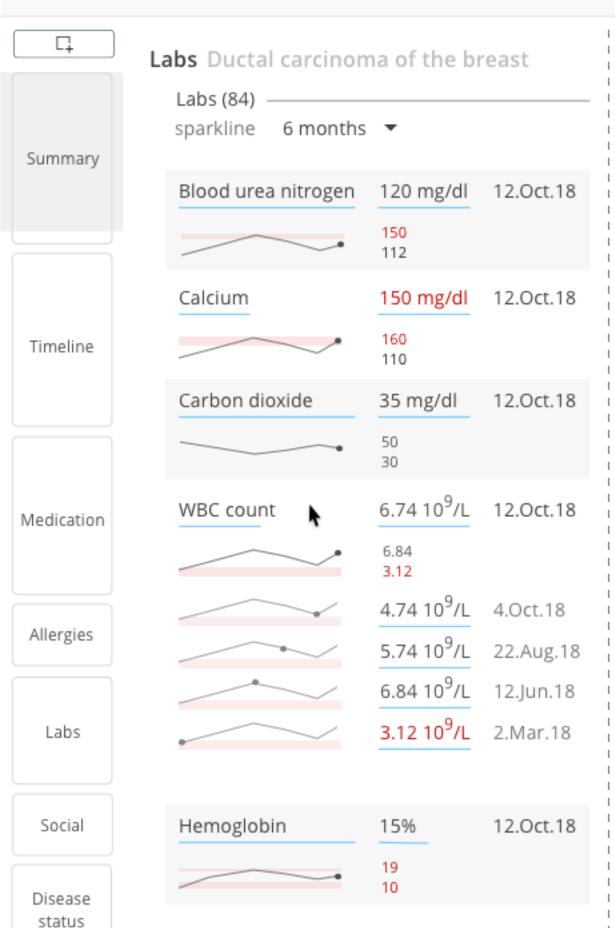
View 10 more clinical notes from 2015 - 2017

Dr. Free2 Will



Ductal carcinoma of the breast 🔻

Q Debra24 search...



🗓 Delete note 1 in

1 incomplete

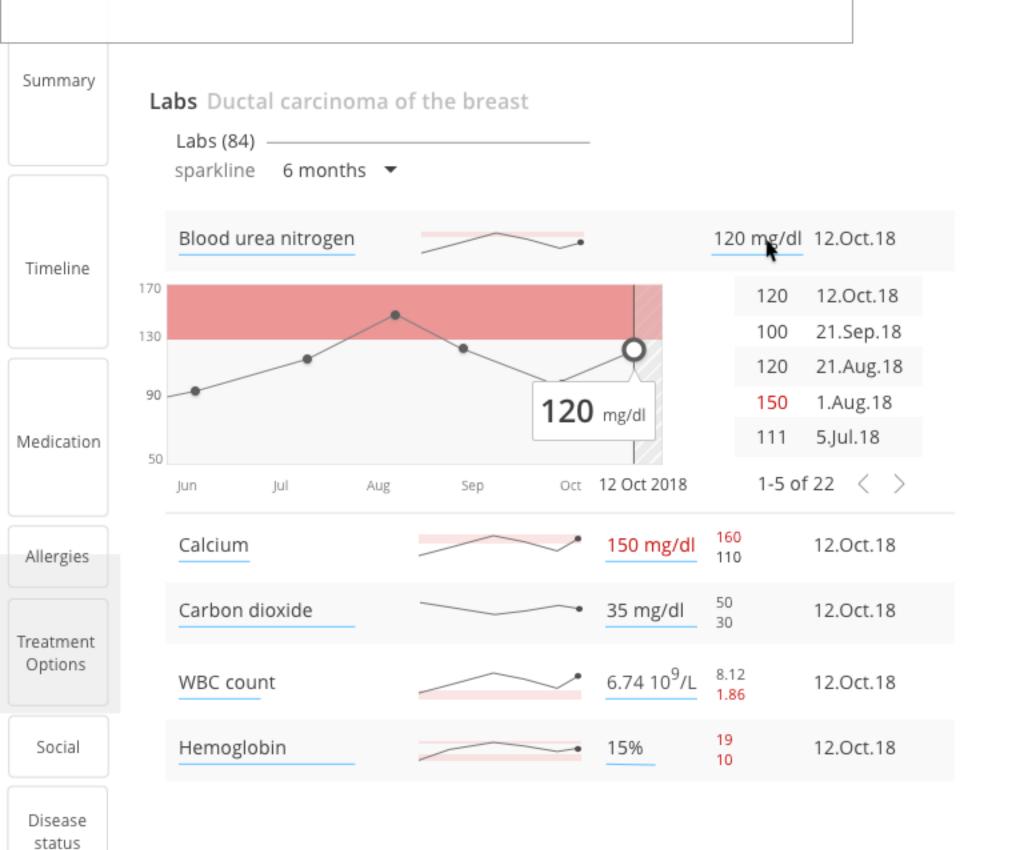
Sign note

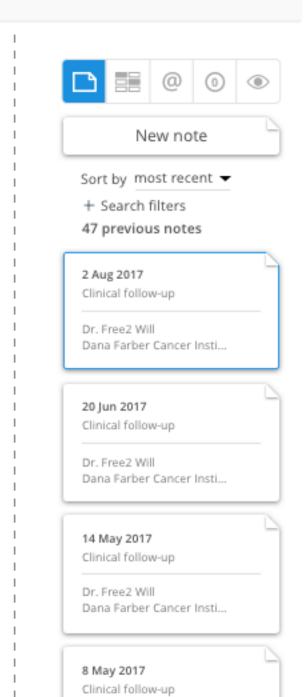
Placeholder



The user taps a row which expands to show a single large chart and a table of all historical values. The table is accompanied by a paginator.

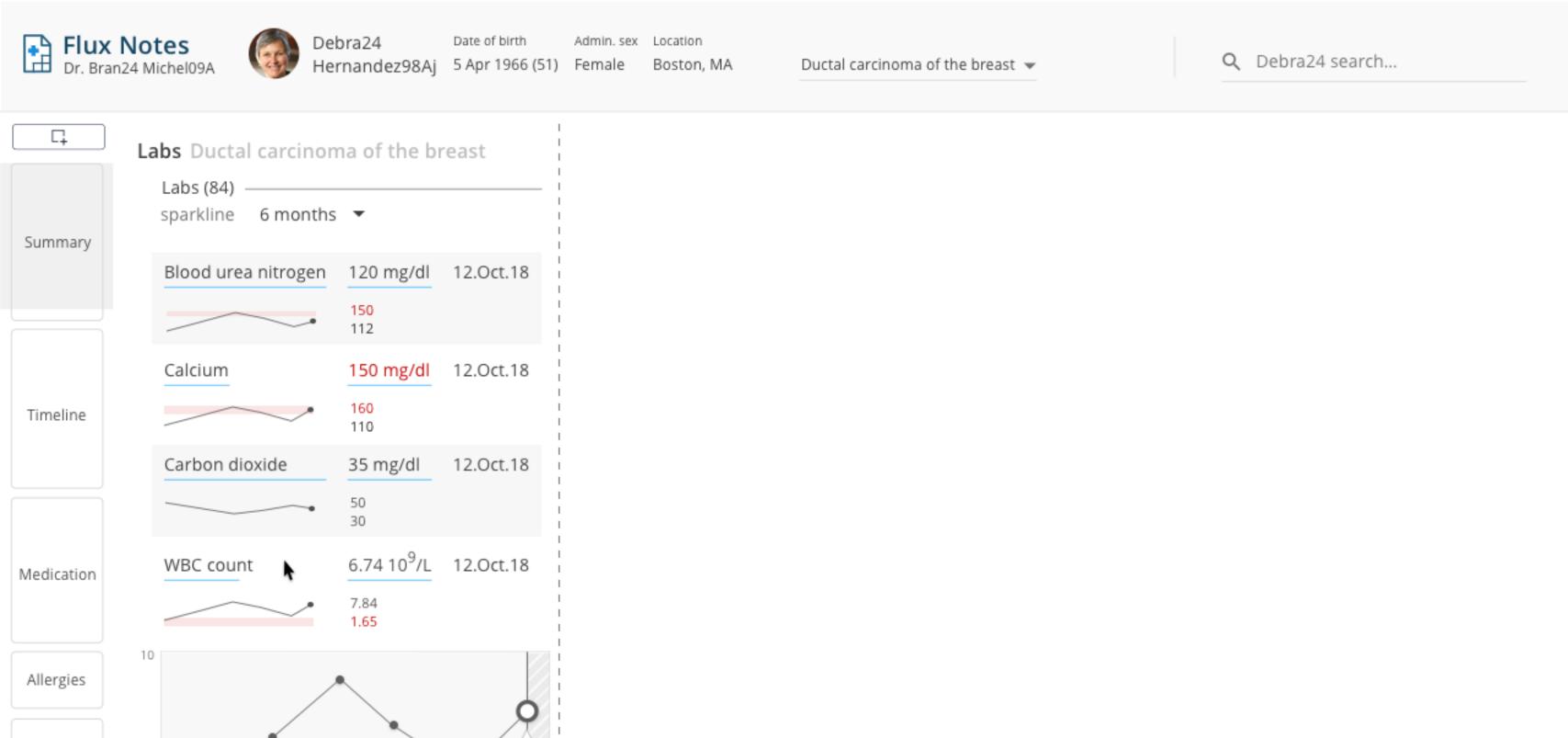
Labs and Vitals: Integration of tables and charts





Dr. Free2 Will

Dana Farber Cancer Insti...



Labs

Social

Jun

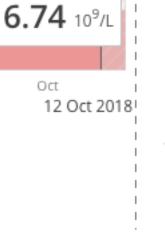
6.74

4.14

5.74

7.84

Disease status



Aug

12.Oct.18

21.Sep.18

21.Aug.18

1.Aug.18

🗓 Delete note

1 incomplete

3 _

Sign note