
















ICONS

ICONS









Global

-  Close
-  Close (warning)
-  Dropdown
-  Search
-  New element
-  Dropdown expansion
-  Edit field (e.g. note title)
-  Checkbox (checked)
-  Check
-  Checkbox (unchecked)
-  Edit mode for minimap












Clinical notes

-  Structured phrase mode
-  Clinical notes mode
-  Delete the clinical note
-  POC mode

Patient record exploration

-  Narrative mode (deselected)
-  Narrative mode (selected)
-  Tabular mode (deselected)
-  Tabular mode (selected)
-  Visualization mode (deselected)
-  Visualization mode (selected)
-  Longitudinal tabular mode (deselected)
-  Longitudinal tabular mode (selected)

Timeline

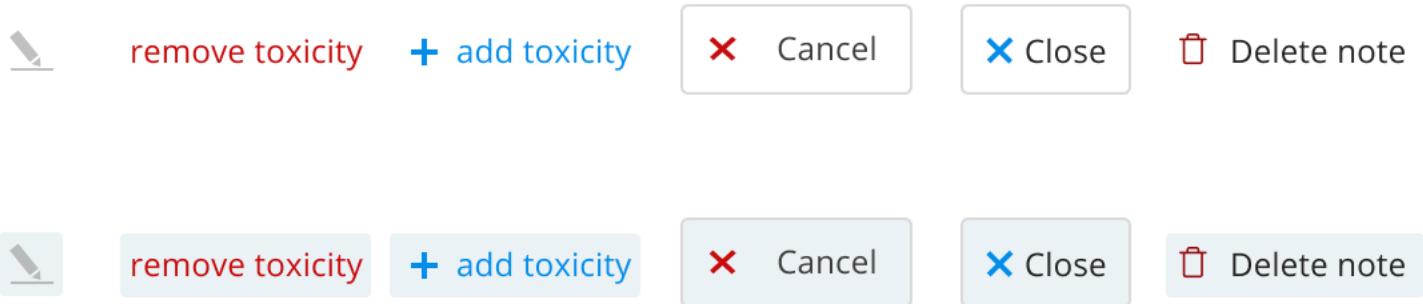
-  Inpatient (deselected)
-  Inpatient (selected)
-  Outpatient (deselected)
-  Outpatient (selected)
-  Medications (deselected)
-  Medications (selected)
-  Allergy panel
-  Grade 2
-  Grade 3
-  Grade 4
-  Grade 5

INTERACTIVE ELEMENTS

INTERACTIVE ELEMENTS: Buttons

Text and Textual Buttons

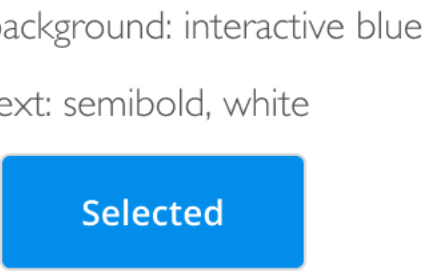
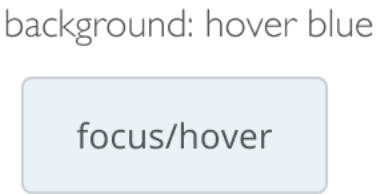
- Action text is colored blue or red.
- Body color or same color if accompanied by icon.
- Icon is of text height.
- High priority buttons have border of 1 px thickness, Line Gray, 3 px radius, no drop shadow.



Hover/focus state adopts a rectangle (radius = 2px) of hover blue.

POC Buttons

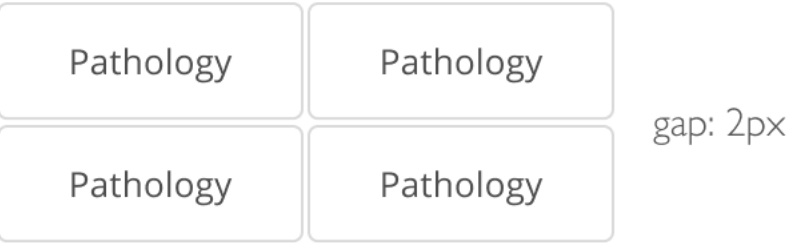
- height: 44px
- width: 115px
- border radius: 4px
- border: 1px, line gray
- text: 13px, body black, regular, 13 px line height



For single select POC buttons, the buttons are joined up, sharing borders.



If multiple selecitons are permitted, they are separated.



INTERACTIVE ELEMENTS:Toggles

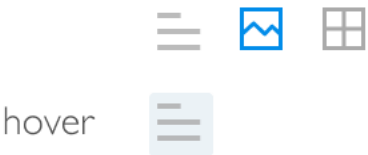
Visualization Mode Toggle

A section may have a strip of icons representing the visualization modes.

The user taps on an icon to change the view of that section.

Inactive icons are in gray, while active icons are in interactive blue.

Icons are separated by 15 px.



hover

Right Hand Panel and POC selection toggles

Similar to Visualization mode toggles, but each element is within a button.

The buttons are joined up, sharing lines in between.

Border is 1px, Line Gray, rounded with radius 4 px at exterior corners.

Selected item is white-on-blue, and deselected items are gray-on-white.

Unavailable items are white-on-gray.



hover



INTERACTIVE ELEMENTS: Filters and menus

Section Filters

Dropdown from “Filters” or equivalent text to expose available options.
Options are given with simple gray checkboxes.
Options may be organized below titles.
Active filters are enumerated beside “Filters”, with deletion “x”s.

> Filter timeline ✖ medication: treatment

▼ Filter timeline ✖ medication: treatment

medication intent	medication class	procedures	events
<input checked="" type="checkbox"/> treatment	<input type="checkbox"/> inhibitors	<input type="checkbox"/> surgery	<input type="checkbox"/> disease status
<input type="checkbox"/> side effect management	<input type="checkbox"/> paid relief	<input type="checkbox"/> imaging	<input type="checkbox"/> key events
<input type="checkbox"/> primary symptoms	<input type="checkbox"/> something else that’s long		

Dropdown Selectors and Popup Menus

Dropdown Selectors and Popup menus open similarly styled boxes.
Dropdown Selectors give the current selection on a line with a gray dropdown arrow indicator.
Popup menus are opened by, for esample, selecting structured data in the targeted data panel.
Box:
fill: white
border: 1px, Feature Gray
drop shadow: #BABABA, y=2, blur = 4
Text as indicated.
Hover: Interactive Blue highlight.
Dismiss: although there is no scrim, tapping off the menu dismisses the menu.

Ductal carcinoma of the breast ▼

White semibold, 14 px, 31 height

body black, regular

hovered option, 1px state gray border

INTERACTIVE ELEMENTS: Search and date picking

Search fields

Search fields are displayed as a single line, with a search icon and temporary text above the line.
The icon is persistant, and the temporary text is replaced by the search string.
Results are shown in a Popup Menu.
The search string persists in the text field.

 Debra24 search...

Date picking

Date fields are shown as a dropdown selector.
If there is a default date, then the date is shown as Nov. 28, 2018.
If there is no default date, then “select a date” is the temporary text.
Tapping the date displays a picker. The date is now shown in the format MM/DD/YYYY.
The user can now enter the date in 3 ways:

- hit “Today” to select today’s date
- select a date using the picker
- **use the keyboard.** The picker disappears and the user may enter the date directly.

select a date

MM/DD/YYYY

«	◀	Nov	2018	▶	»	
Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	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	1
2	3	4	5	6	7	8
Today						

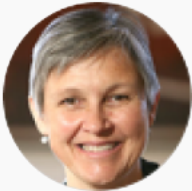
12 / | /

targeted data panel consumes 1/3 of screen width
 $W_{tdp} = W_{screen}/3$

8px

Flux Notes

Dr. Bran24 Michel09A



Debra24 Hernandez98Aj

Date of birth
5 Apr 1967 (51)

Admin. sex
Female

Location
Boston, MA

ROID
12345432312

Language
English

Condition
invasive ductal carcinoma of breast

▼

Debra24 search...

🔍

📄

📅

@

0

👁

+ New note

Sort by most recent ▼

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

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Dana Farber Cancer Insti...

View 10 more clinical notes
from 2015 - 2017

📄

Section

Section

Section

Section

Section

Section

Section

Section

Section

Visit reason

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

Invasive du...

Ms. Debra24 Hernandez98Aj is a 51-year-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

📄

Progress note

signed by: Dr. Bran24 Michel09A

source: Dana Farber Cancer Institute

created date: 10 April 2018

Close

B / U

Reason for Visit

Debra has requested a visit after complaints of pain that prevent her from ...

Oncology History

Debra is a 51 year old Female diagnosed invasive ductal carcinoma of the ...

Review of Systems

A 15 point ROS has been performed and found this thing wrong, and this other...

Allergies

no allergies

Medications

imatinib 100 mg capsule QD started 10 Aug 2017...

Assessment

disease status is complete response as evidenced by imaging, as of Nov. 28, 2018.

The patient will benefit from additional treatment with imatinib.

20

20


20

8px

8px

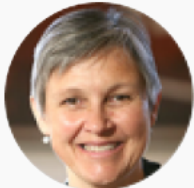
8px

8px



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Debra24 search...

Section

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Summary

Invasive du...

Ms. [Debra24 Hernandez98Aj](#) is a 51-year-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

Progress note

created by: Dr. Bran24 Michel09A

created date: 10 April 2018

source: Dana Farber Cancer Institute

B

/

U

:

:

:

:

:

:

Reason for Visit

Debra is a 51 year old Female following up on [@condition](#) on 6 Mar 2019.

Oncology History

@oncohist

> Review of Systems

A complete 15 point ROS was done and was unremarkable except for alopecia, amen...

Allergies

no allergies

Medications

imatinib 100 mg capsule QD started 10 Aug 2017

drug 2 100 mg capsule QD started 10 Aug 2017

drug 3 100 mg capsule QD started 10 Aug 2017

drug 4 100 mg capsule QD started 10 Aug 2017

imatinib 100 mg capsule QD started 10 Aug 2017

imatinib 100 mg capsule QD started 10 Aug 2017

imatinib 100 mg capsule QD started 10 Aug 2017

imatinib 100 mg capsule QD started 10 Aug 2017

Assessment

<disease status>

<toxicity>

1

Close

Templates

Shortcuts

Placeholders

Search shortcuts

Patient

@patient

@age

@gender

@dateofbirth

@name

...

Delete note

1 incomplete

3 Placeholder

Sign note

Incomplete @ phrases

The user can write and edit aroundincomplete @ phrases. The incomplete phrase is underlined in warning red, and given an indicator in the margin.

When the indicator scrolls out of the page, it remains at the top or bottom, and enumerated.

All options in shortcut tray are in Body Gray Light. Subheaders are in State Gray, italics. Highlighted (selected) items are in Body Gray, semi-bold.

The note footer is static and spans the right hand note side. It contains buttons to delete and sign the note (when available), and indicators of incomplete and missing elements.

Flux Notes

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Debra24 search...

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Progress note

created by: Dr. Bran24 Michel09A

source: Dana Farber Cancer Institute

created date: 10 April 2018

Close

@

1

disease status

done: ☐

Status	Complete response	Complete resection	Responding	Stable	Progressing
Rationale (select multiple)	Pathology	Imaging	Markers	Symptoms	Physical exam
Reference Date	select a date				
As of Date	Nov. 28, 2018				

> staging

expand to complete missing data

done: ☐

> enrollment

Trial title Patina

Enrolled on: 15 Jan 2019

done: ☒

Delete note

1 incomplete

3 Placeholder

Sign note

Collapse if necessary

When the user opens an element, higher elements are closed to make space.

Elements are open or closed.

Collapse as many elements as necessary to fit them all on the screen. Eliminate the “one at a time” method, closed elements are not editable, but a single click opens them. Replace the summary with instructuional text if there is no data captured yet.

Check for satisfaction

After all data is captured, the done box is checked. The user can check it earlier to collapse the section, and leave the checkmark as a visual indicator that you are done.

Summarize when there is data

After data is captured, the summary shows in the closed state. The user can click anywhere in the row to open the element again and edit the selections.

Content max width

The different visualizers each have a unique maximum width, depending on the type.
Paragraphs: 700px

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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.

Procedures

Invasive ductal carcinoma of the breast

Procedure	When	Clinician
Cell text	Cell text hanging	Cell text hanging
Cell text	Cell text	Cell text
Cell text	Cell text	Cell text

Labs

Invasive ductal carcinoma of the breast

starred

		2017	2017	2017	2018	2018	2018	2018	2018
		10 Mar	22 Oct	22 Dec	2 Feb	26 Feb	2 Mar	15 Mar	10 Apr
★ Blood urea nitrogen	units	3	3	3	3	3	3	3	3
★ Estrogen	units	4	4	4	4	4	4	4	4

all labs

Blood stuff	units	3	3	3	3	3	3	3	3
-------------	-------	---	---	---	---	---	---	---	---

@

0

+ New note

Sort by

most recent

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20

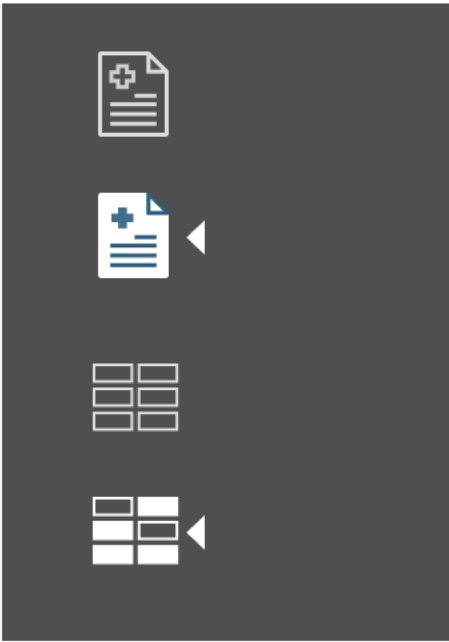
20

8px

8px

KEY SCREENS AND LAYOUTS

Top bar
height: 86px
drop shadow: box-shadow:
0px 2.5px 4.5px rgba(50, 85,
108, 0.69);

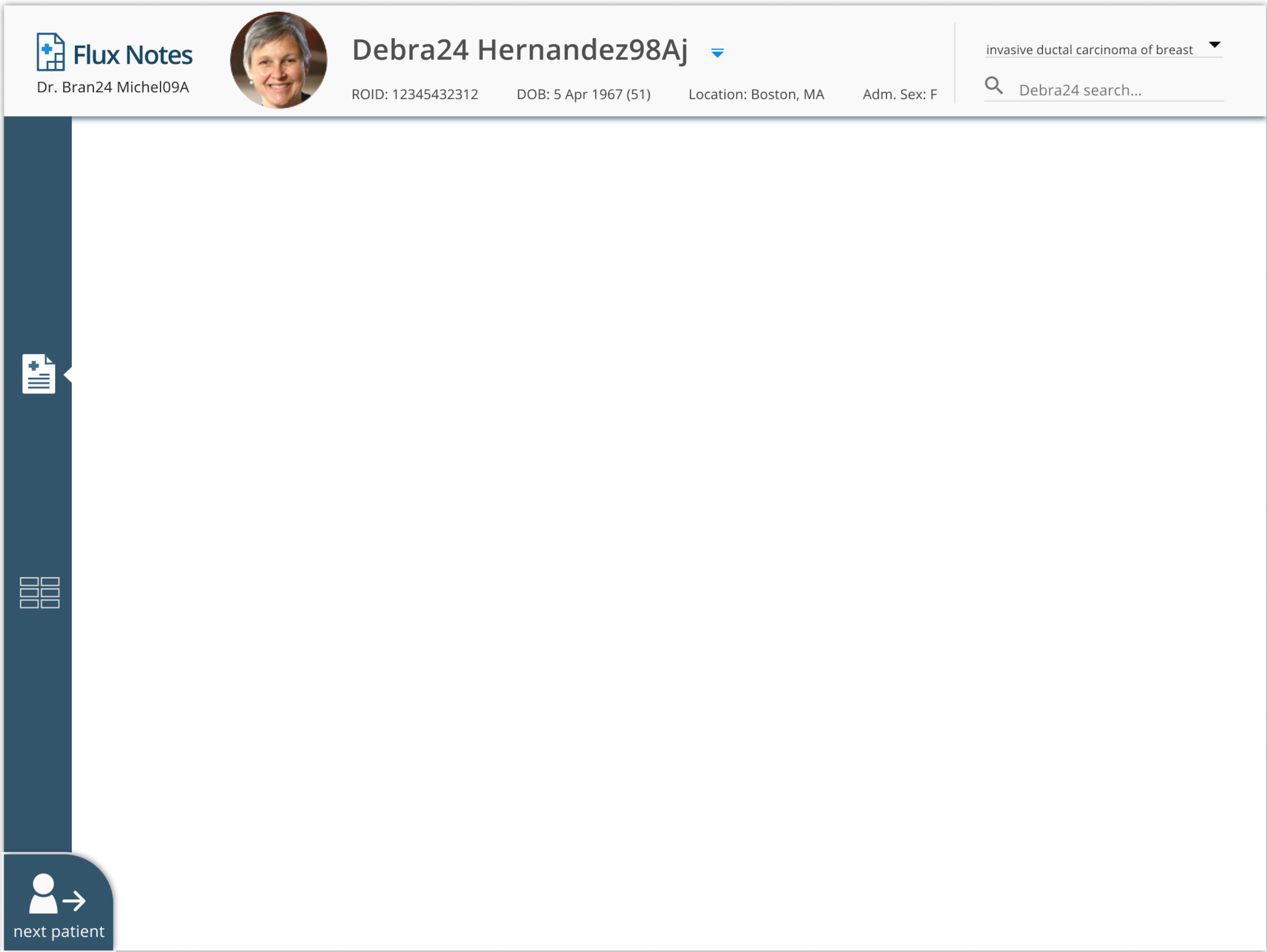


the holder's only function
is to provide the white
line above the button.

Navigational bar
width: 55px
background: #32556C
height: full height

Patient button holder
height: 78px
width: 89px
background: #FFFFFF;
border: 2px solid #FFFFFF;
border-radius: 0px 40px
0px 0px;

Patient button
height: 78 px
width: 89px
background: #32556C;
box-shadow: 1px -1px 5px
rgba(0, 0, 0, 0.4);
border-radius: 0px 40px
0px 0px;



IPAD LAYOUT