



Inpatient Physicians and Advance Practice Providers

Version: February 2021

Quarterly Release

Go Live: Sunday, September 12th

Important Information

The Epic February 2021 Quarterly Release go live is September 12, 2021.

After the go live date, Physicians and Advanced Practice Providers (APPs) are encouraged to Test-Drive Epic in the Playground environment.

- Username: Med01
- Password: train



Transparent Upgrade

Northwestern Medicine is using the transparent process to upgrade to the new version of Epic.

The transparent upgrade lockdown period begins on September 7 at 5PM, before the system upgrade on September 12. During this time, Epic users will not be able to make changes that customize certain aspects of your workflows.

The transparent upgrade process is updating related data behind the scenes while the Epic system remains in use.

Items that will be unavailable during the transparent lockdown:

- Create or edit filters in Chart Review
- Move Activities to a Sidebar or Floating Window
- Create, Edit or Share NoteWriter Macros

COVID-19 Storyboard Update

Nancy Test
Female, 22 y.o., 5/26/1999
MRN: 111011401145
Code: Not on file
Adv Directives: Not on file

Search

Disability Accomodations: None
COVID-19: Positive
Care Team: No PCP
Primary Cvg: None
Allergies: **Not on File**

TRANSPLANTS
None

No vital signs recorded for this patient.

LAST 3YR
Pathology (3), Unknown (4)
Micro (4)

CARE GAPS

[Tip Sheet for COVID-19 Flags in Storyboard](#)

🚨 COVID-19: Positive
Rule-out COVID-19
Specimen information: NP Swab / Nasopharynx
Added: 08/24/21 by SARS-CoV-2-NAT (08/24/21)
Onset date: 08/24/21

COVID-19
Specimen information: NP Swab / Nasopharynx
Added: 08/17/21 by SARS-CoV-2-NAT (Collected 08/17/21)
Last indicated by: SARS-CoV-2-NAT (Collected 08/18/21)
Onset date: 08/17/21

📄 New Results - Lab

Updated	Procedure
08/18/21 1046	🚨 SARS-CoV-2-NAT Collected: 08/18/21 1045 Final result Specimen: NP Swab from Nasopharynx SARS-CoV-2... Detected ! 📄

📄 Older Results

📄 These results were collected or performed more than 30 days ago.

Updated	Procedure
	Coronavirus nCOV-19 by PCR (2019) Date: 08/18/20 1556 Specimen: NP Swab

🌟 COVID-19: Lab History
Rule-out COVID-19 (Resolved)
Specimen information: NP Swab

Improved detail information will display when hovering over the various COVID-19 banners. The hover bubble will display any External Lab Results when applicable. The infection status will display at the top and related lab results at the bottom. Related results are now split into new (within 30 days) and old older lab results in the Storyboard Hover Bubble.

View the [tip sheet](#).

Spotlight on COVID-19 Results with Chart Search

Quickly find the patient's latest COVID-19 lab results by using Chart Search to search for COVID. The spotlight card appears only if the patient has a result to show.

Spotlight ?

⚠ POCT SARS-CoV-2-NAT

Status: Edited Result - FINAL

	Ref Range & Units	13 d ago
POCT SARS-COV-2, NAT	Negative	Negative !

SARS-CoV-2 NAT - ID

NOW Comment

A negative result does not exclude COVID-19. Testing, which was performed using an NAAT authorized for emergency use by the FDA (Abbott ID Now), may not satisfy an RT PCR requirement.

Resulting Agency: NMHPOC

Last Resulted: 08/11/21

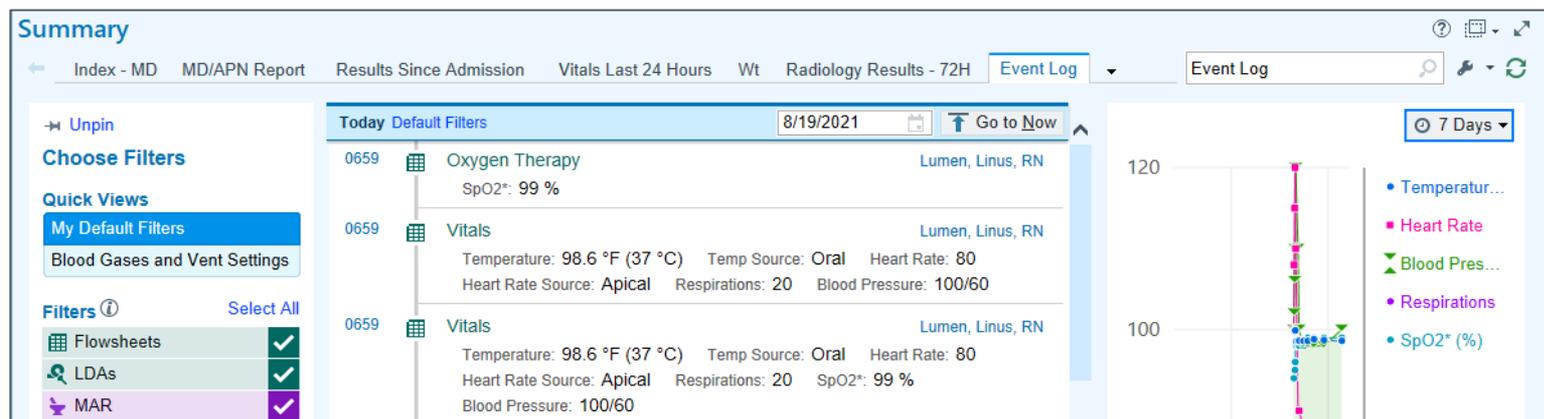
[View Full Report](#)

Transition from Inpatient Synopsis to the Event Log

Use the Event Log to get caught up on the care a patient has received during their inpatient stay. Key features of the Event Log include:

- **Main Pane:** Scroll through time to see the events that have occurred during the patient's stay.
- **Graph:** See a visual representation of the data connected to different events.
- **Filter Panel:** Choose which event types appear in the main pane.

Watch a 90 second video on Event Log functionality [here](#).



Transition from Inpatient Synopsis to the Event Log Continued

A shortcut link to the Event Log is available from within the Synopsis Activity.

The screenshot displays the 'Synopsis' interface. At the top, there are navigation tabs: 'Events By Time', 'Events By Type' (which is selected), 'Current Status', 'Asthma Disease Management', and 'Diabetes'. To the right of these tabs is a '7 Days' filter dropdown. Below the tabs, a yellow banner contains a red-bordered link: 'Go to the Event Log, the new tool to review patient data'. Below this banner, the synopsis is organized into expandable categories: 'Labs (3)', 'Imaging, EKG, and Radiology (0)', 'Medications (0)', 'Drips and Infusions (1)', 'Blood Gas and Vent Settings (0)', 'Notes (0)', and 'Observations (0)'. The 'Labs (3)' category is expanded, showing three items: 'CBC auto differential (1)', 'POCT glucose (1)', and 'Type and screen (1)'. Each item includes a 'Last' date and time, and a list of lab values.

Synopsis

🕒 Events By Time **📁 Events By Type** 📄 Current Status Asthma Disease Management Diabetes » 🔗 7 Days ▼

📄 Go to the Event Log, the new tool to review patient data ↗

- 📁 Labs (3)
 - 📄 CBC auto differential (1) Last: (A) HGB 13.5, HCT 40, RBC 4.35, MCV 83.0, WBC 4.0, Neutrophil Bands 3, Leukocytes 60, Lymphocytes 30, Monocytes 1, Eosinophils 4, Basophils 2, PLT 160 at 08/18 0810
 - 📄 POCT glucose (1) Last: Glucose 94 at 08/18 0810
 - 📄 Type and screen (1) Last: ABO Type A, RHEUMATOID FACTOR - Hx Upload Positive at 08/18 0905
- 📁 Imaging, EKG, and Radiology (0)
- 📁 Medications (0)
- 📁 Drips and Infusions (1)
 - 📄 sodium chloride 0.9 % iv bolus (1) Last: 08/18 0740 Stopped: 0 mL/hr
- 📁 Blood Gas and Vent Settings (0)
- 📁 Notes (0)
- 📁 Observations (0)

NOTE: The Synopsis Activity will no longer be available starting 10/26/2021.

Visual Changes When Viewing Information for a Deceased Patient



Patient photos and initials have been updated to make it more obvious when viewing information for a deceased patient in the following locations:

- In Basket
- Storyboard
- Other workspace headers that include a patient photo

Additionally, the following visual changes will take affect:

- The patient photo appears in grayscale.
- Patients initials appear in a gray circle.
- The circular border around the patient photo or initials is black.
- A label that states Deceased, appears under the patient photo or initials for deceased patients in bold text.
- This change has no effect on the background highlighting color that appears behind the circle that holds patient photos or initials.

Refreshed Order Composer for Procedures

The Order Composer's look has a slight update. These changes apply only to procedure orders placed from Manage Orders and order reconciliation activities. The updates include:

- The CC Results display item now looks like it does in In Basket, as shown in the screenshot.
- The overall placement of labels and fields might look a bit different from the Order Composer for medications, which will get similar updates in a future release.

The screenshot shows the 'Comp Metabolic Panel' order composer interface. At the top right, there are 'Accept' and 'Cancel' buttons. The main content area is organized as follows:

- Add-on:** No add-on specimen found
- Priority:** A dropdown menu showing 'Routine' with a search icon, and two buttons: 'Routine' (highlighted in blue) and 'STAT'.
- Frequency:** A dropdown menu showing 'ONE TIME' with a search icon, and four buttons: '1 Time' (highlighted in blue), 'Routine 1 time Draw in AM', 'Daily 4am', and 'Add-On'.
- Starting:** A date field showing '8/9/2021' with a calendar icon, two buttons: 'Today' (highlighted in blue) and 'Tomorrow', and a time field showing 'At: 1553' with a search icon.
- Release to patient:** A dropdown menu showing 'Standard Release' with a search icon.
- Comments:** A button labeled '+ Add Comments'.
- CC Results:** Two buttons: '+ My List' and '+ Other'.
- Enter recipients:** A text input field at the bottom.

New and Improved Imaging Result SmartLinks

SmartLink .IMGRESULT can now be used to show information from the last imaging result for a specified procedure(s) in a note.

The SmartLink parameter requires a procedure ID(s), the number of results to display as well as how many days to lookback.

Edit SmartLink Parameters - IMGRESULT

Parameters:

Procedures ⓘ

IMG36

of Results ⓘ

Lookback Days ⓘ

Preview:

Xray Chest PA Lateral

Narrative
Support Devices: None.
Cardiac Silhouette/Mediastinum/Hila: The cardiac, mediastinal, and hilar contours are within normal limits for age.
Lungs/Pleural Spaces: The lungs and pleural spaces are clear.
Chest Wall/Diaphragm/Upper Abdomen: The thoracic musculoskeletal structures and the upper abdomen are age-appropriate in appearance.

Impression
CONCLUSION(S):

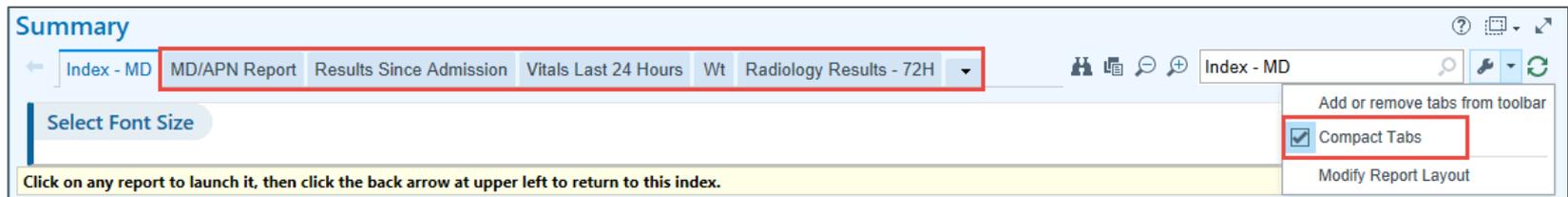
1. There is no acute cardiopulmonary process.

✓ Accept ✗ Cancel

Show More Tabs in the Summary Activity's Toolbar

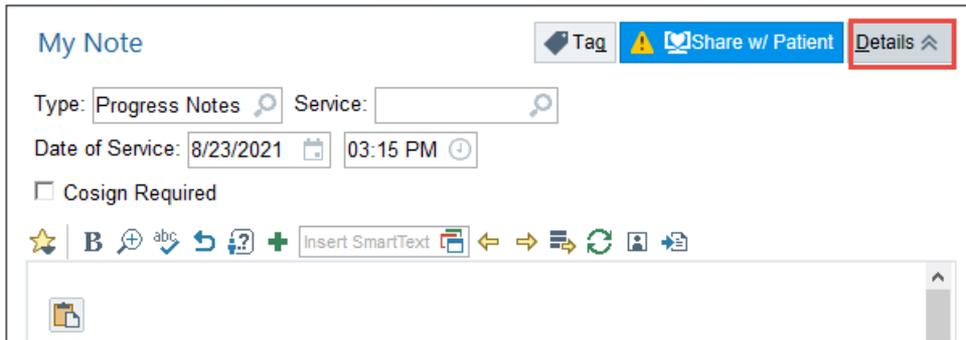
Select Compact Tabs to see more tabs in the Summary activity's toolbar. This option is useful for clinicians who frequently use several tabs in Summary and who don't want to click the arrow icon to access additional tabs.

- Select the drop down arrow to choose the Compact Tabs display.



Hide Note Details

Within a note, select the Details button to display or hide note details and make more room for the text box.



This screenshot shows the top section of a note editor. The title "My Note" is on the left. On the right, there are three buttons: "Tag", "Share w/ Patient" (with a heart icon), and "Details" (with an upward-pointing arrow). Below these are input fields for "Type" (set to "Progress Notes"), "Service", "Date of Service" (set to "8/23/2021"), and "Time" (set to "03:15 PM"). There is a checkbox for "Cosign Required" which is currently unchecked. Below the form is a rich text editor toolbar with icons for bold, italic, link, unlink, undo, redo, insert smart text, and other editing functions. The main text area is empty.



This screenshot shows the same note editor interface as above, but with the "Details" button now showing a downward-pointing arrow, indicating that the details are hidden. The main text area now contains the word "Subjective" in a light blue highlight.

Ensure All Doses can be Prescribed or Administered with a Default Threshold

To ensure all doses can be prescribed or administered based on the selected product, clinicians now see an inline notification if the selected product is greater than or less than 20 percent of the entered dose.

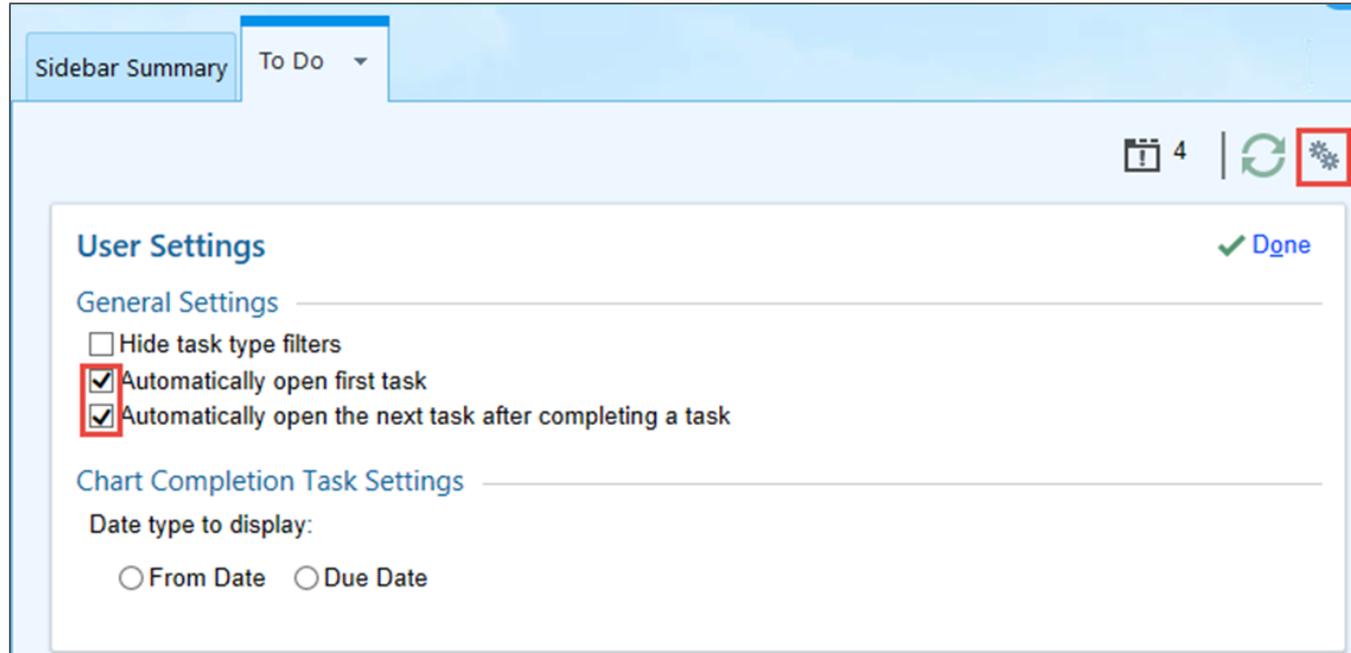
- For example, if a clinician enters a dose of 10 mg/kg for an inpatient medication and a 15 kg patient after selecting a 200 mg capsule, a hard stop warning appears stating that the selected dose can't be prescribed. To sign the order, enter the nearest available dose or select a product between 120 mg and 180 mg.

Product:	NIACIN 100 MG PO TABS	View Available Strengths
Sig Method:	Specify Dose, Route, Frequency	Taper/Ramp Combination Dosage
Dose:	<input type="text" value="150 mg"/> mg	100 mg 200 mg 500 mg
<div style="border: 1px solid red; padding: 5px;"><p>! 150 mg (1.5 tablet) cannot be prescribed using the selected product. The nearest available dose is 200 mg. You must select a different product or enter a different dose to continue.</p></div>		

Close the To Do Sidebar by Default

For clinicians that use the To Do sidebar, keep tasks closed by default.

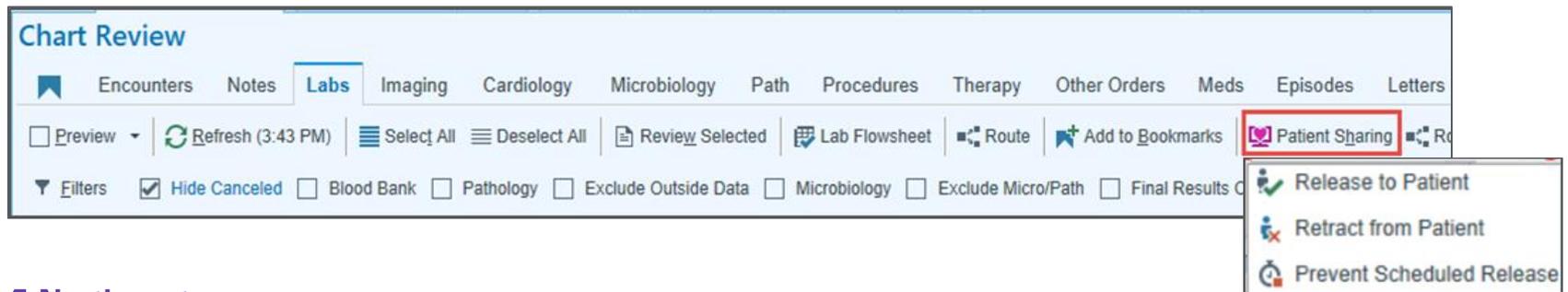
- Select the wrench icon in the To Do sidebar and clear the check boxes for the options that automatically open tasks.



Results Release Comes to Chart Review

Physicians and APPs no longer have to leave a patient's chart to check whether a patient's result has been released to them. Results Release tools are now available through Chart Review.

1. Select the desired Result.
2. Select the Patient Sharing button on the Chart Review toolbar.
3. Choose to:
 - **Release to Patient:** Release for patients to view in MyChart.
 - **Retract from Patient:** Retract a result they have released to a patient in MyChart.
 - **Prevent Scheduled Release:** Prevent certain results from being released to the patient in MyChart by time delayed results release.



Release Results from the Result Note Sidebar

A new test tube icon appears when viewing and releasing results from the In Basket.

- Hover over the icon to view status of other results and access a hyperlink to the Results Release activity where unreleased results can be viewed and released.



The screenshot shows a sidebar titled "Northwestern Medicine Comment". At the top right, it says "All selected results have been released". Below this is a rich text editor toolbar with icons for undo, redo, insert link, insert image, insert video, insert SmartText, and list/bulleted list. A tooltip is displayed over the list/bulleted list icon, containing the text: "This patient has other results from the past 6 months that have not been released. [See all releasable results](#)". At the bottom left of the sidebar is a checkbox labeled "Notify if not viewed". At the bottom right is a button labeled "Copy from Result Note".

Clinicians can now Document that a Patient is Not Taking a Patient Reported Medication

- Clinicians now have the ability to document that a patient is not taking a patient reported medication.
 1. Within the Review PTA Medications section, select the patient reported medication hyperlink.
 2. Select the Not Taking button.
 3. Scroll down and select the Reason for Variance button.
 4. Select the Accept button.

metFORMIN (Glucophage) 500 MG tablet

ⓘ If the patient is not taking this medication as shown, document the updates below.

Not Taking Add Med Note

Product: **metFORMIN (Glucophage) 500 MG tablet** View Related Products

Reason for Variance: **!** 🔍

Difficulty Taking Ineffective as Prescribed Cost Didn't Need Full Dose Side Effects Other-Please Comment

Comment: **!**

See why a Result was not Released to a Patient

Users can see new text that appears in the print group if a test result wasn't released to a patient and why it appears. Hover over the text to see the name of the user who prevented the result from being released.

 **Electrocardiogram (ECG)** Order: 215682

Status: **Final result**
Visible to patient: **No (not released)**
Next appt: **None**

0 Result Notes

Blocked for automatic release by Loomis, Andre
Reason: Patient request
Comment: Req

Last Resulted: 08/21/21

[Order Details](#) [View Encounter](#) [Lab and Collection Details](#)
[Routing](#) [Result History](#)

Scans on Order 215682

› Scan on 8/21/2021 3:13 PM by Nurse, Jackie, RN: EKG

View Encounter Summaries for External Lab Results

Clinicians can now view the Encounter Summary document for an external result by clicking the new View Encounter link in the result report. This report appears when clinicians view the result in the Labs tab of Chart Review.

The screenshot shows a lab result report for 'Urinalysis w/Microscopic, reflex culture'. The status is 'Edited Result - FINAL' and it was collected on 6/24/2020. The report includes a section for '0 Result Notes', a table with columns for 'Component' and '1 yr ago', and a 'Resulting Agency' of 'NMHPOC'. The 'Specimen Collected' is '06/24/20' and the 'Last Resulted' is '06/24/20 13:59'. At the bottom, there is a navigation bar with links for 'Lab Flowsheet', 'Order Details', 'View Encounter' (highlighted in red), 'Lab and Collection Details', 'Routing', and 'Result History'. The order number '1163343951' is also visible.

Component	1 yr ago
UA WBC	5 ^{vc}

Resulting Agency: NMHPOC

Specimen Collected: 06/24/20

Last Resulted: 06/24/20 13:59

Order: 1163343951

Navigation: Lab Flowsheet | Order Details | **View Encounter** | Lab and Collection Details | Routing | Result History

MEDD Now Called MME/Day

To align with standard medical terminology, the wording MEDD (Morphine Equivalent Daily Dose) is now replaced with MME/Day (Morphine Milligram Equivalents Per Day).

New Orders

HYDROcodone-acetaminophen (NORCO) 10-325 mg per tablet 1 tablet
1 tablet, Oral, EVERY 4 HOURS PRN, moderate pain (4-6), Starting today at 1351
Maximum dose of acetaminophen is 4000 mg from all sources in 24 hours.
Maximum MME/Day: 60 MME/Day for this order

Rx Request Notes Shared via MyChart

All note types are shared with the patient by default unless specified otherwise. Documentation within an Rx Request In Basket message reassignment will now also be shared with patients via MyChart.

Control Over Responsibility Assignment in QuickNotes

Responsibility is no longer automatically assigned to the first recipient entered in a QuickNote when routing responsibility-enabled message types. To give responsibility to the recipient, users must manually assign it to them by clicking the empty circle by their name.

The screenshot displays the routing interface for a QuickNote. It includes the following elements:

- Message Type:** A dropdown menu currently set to "Cosign - Chart".
- Route as:** A dropdown menu also set to "Cosign - Chart".
- Route To:** A section with a header "Route To" and three buttons: "High" (with an up arrow), "Low" (with a down arrow), and "Source" (with an equals sign).
- Recipient Selection:** Below the buttons are four filter options: "+ My List", "+ PCP", "+ Sender", and "+ Encounter Provider". A search bar below these filters contains the text "Doctor, Test Five, MD" with a red square highlighting an empty circle icon to the left of the name.

Message types include:

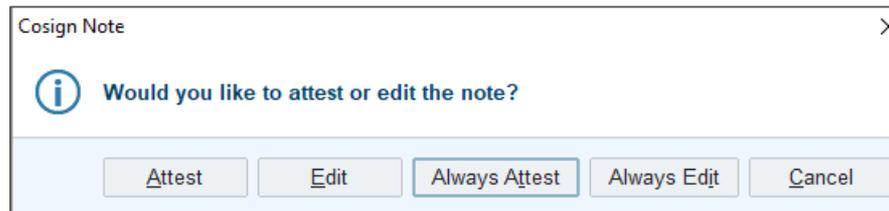
- Chart Cosign
- Patient Refill Request
- Patient Medical Advice Request

In Basket Encounter Button Opens the Note Editor

- When Physicians and APPs select a note in In Basket's Cosign Notes or Incomplete Notes folders and choose the Encounter button, either the attestation editor or the note editor now automatically opens in the sidebar of the patient's chart.

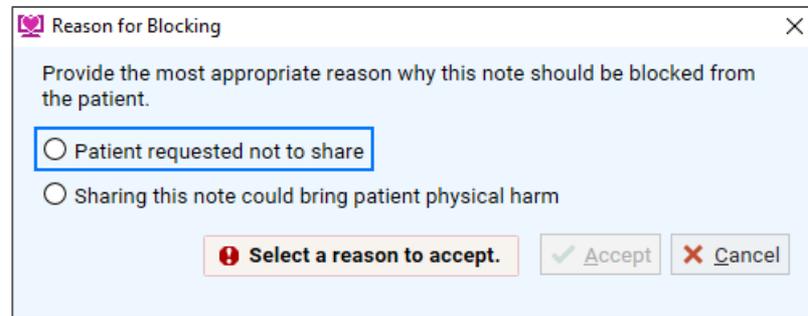
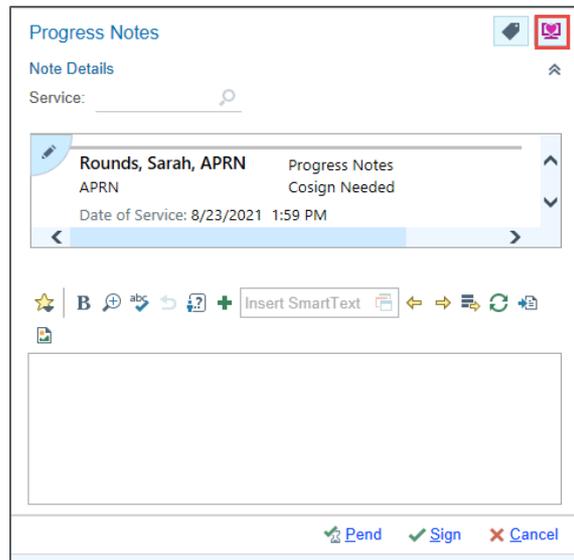


- When selecting the Encounter button, a prompt asks to choose between editing or attesting to the selected note. Save your choice by selecting Always Attest or Always Edit.



Change Whether a Note Is Shared with the Patient While Attesting

- When writing an attestation to a note, change whether that note is shared with the patient from the attestation, without needing to edit or create an addendum to the note.
- When not sharing a note that was shared by default, a window appears to document a reason why you are blocking the note from the patient. This matches the system behavior when a physician blocks a note from the patient while writing or editing the note.



Use Chart Search to Find Lab Results Based on Component and Comment Keywords

Use Chart Search to find lab results using the text of component values and comments. For example, a search for light brown returns results for labs that have values of light brown.

NOTE: This change does not appear in Epic immediately after upgrade because the text of the orders needs to be indexed.

Search results for "light brown"

light brown

All (1) | Notes | Labs (1) | Meds | Imaging | Procedures | Other Orders | Allergies | Immunizations | Media | Problems | More (0)

Care Everywhere
Additional results might be available if the patient has unretrieved Care Everywhere documents. You can find more outside information in the [Care Everywhere Outside Records](#) activity.

Current Admission
Hospital Encounter - NM Hematology and Oncology 8/10/2021

Urinalysis Screen(No Microscopic)(CDH/KH/VWH) Collected 8/11/2021
Includes: Additional Results (12)

Urinalysis Screen(No Microscopic)(CDH/KH/VWH) Collected 8/11/2021
Final result, Abnormal

	Ref Range & Units	16:05
Color, Urine	Colorless, Light Yellow, Yellow, Dark Yellow, Straw	Light Brown !
Comment: Possible color interference for bilirubin, urobilinogen, nitrite, and leukocyte esterase tests.		
Clarity, Urine	Clear	Cloudy !
Glucose, Urine	Negative mg/dL	Trace !
Bilirubin, Urine	Negative mg/dL	Negative
Ketones, Urine	Negative mg/dL	Trace !
pH, Urine	5.0 - 9.0	6.0

Shine a Spotlight on Important Information in Chart Search

The Spotlight Card shows a summary of the most recent lab results and components to help clinicians find the information they're looking for faster.

Search results for "cbc"

cbc

All (3) Notes (1) Labs (2) Meds Imaging Procedures Other Orders Allergies More (0) On

Care Everywhere

Additional results might be available if the patient has unretrieved Care Everywhere documents. You can find more outside information in the [Care Everywhere Outside Records](#) activity.

Spotlight

CBC auto differential

Status: Final result

	Ref Range & Units	1 d ago
HGB	13.5 - 17.5 g/dL	13.5
HCT	41 - 53 %	40 !
RBC	4.50 - 5.90 10 ⁶ /μL	4.35 !
MCV	82.0 - 108.0 fL	83.0
WBC	3.3 - 10.0 10 ³ /mL	4.0
Neutrophil Bands	0 - 6 %	3
Leukocytes	46 - 78 %	60
Lymphocytes	18 - 52 %	30
Monocytes	3 - 10 %	1 !
Eosinophils	0 - 6 %	4
Basophils	0 - 3 %	2
PLT	150 - 399 10 ³ /uL	1.60

Specimen Collected: 08/10/21 07:10 Last Resulted: 08/10/21 07:56

[View Full Report](#)

Is this the result you're looking for? Yes No

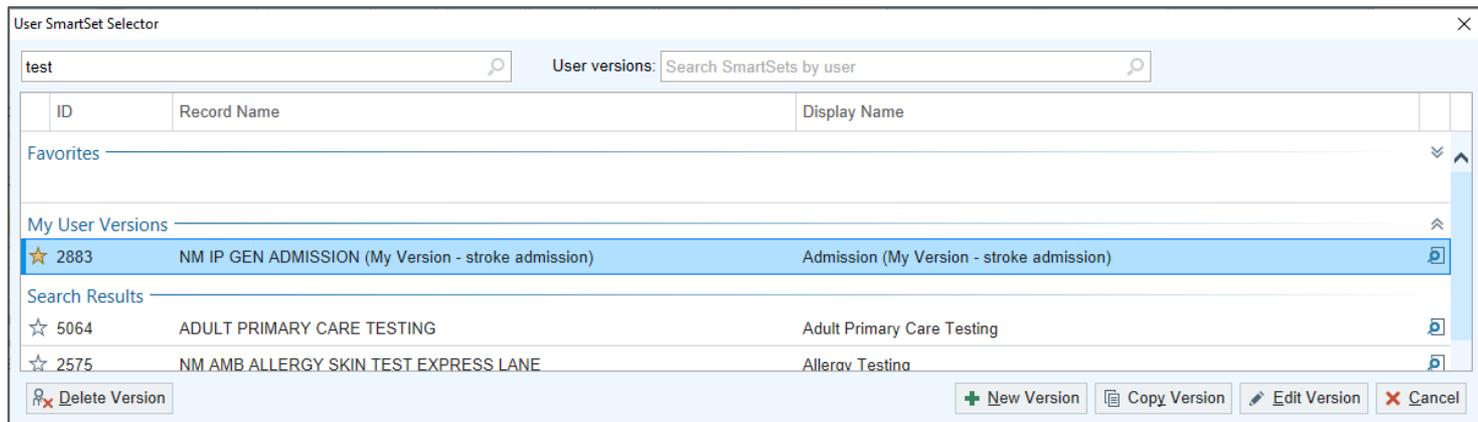
Lab Spotlight Cards now appear for over a hundred common lab results and components, including:

- A1c
- Coronavirus
- Iron
- Blood
- WBC
- Hepatitis
- Covid-19

Manage User SmartSets and Order Sets More Easily

The User SmartSet Selector window was updated with the following changes:

- Your favorites and user SmartSets or Order Sets appear in expanded sections.
- Mark or unmark SmartSets or Order Sets as favorites by clicking the star icon.
- Remove your user SmartSet or Order Set versions with the new Delete Version button.



Redesigned Macro Manager and Editor

The Macro Editor's style was updated to match other NoteWriter activities and added the Macro Manager. The Macro Manager allows you to search for a particular macro, as well as browse and add yourself as a user to macros created by other users without having to ask the owner to add you.

Macro Caption	Form	Abbrev.	Procedures
+ Ear Wax	CDH PROCEDURE- EAR CERUMEN REMOVAL		
+ Derm cryotherapy	DER PROCEDURE - LESION DESTRUCTION		
+ Normal Rounding AP SML	IP ADULT PROGRESS NOTE ASSESSMENT & PLAN SECTION	IPAPNAP	
- Normal Rounding O SML	IP ADULT PROGRESS NOTE OBJECTIVE SECTION	IPAPNOBJ	
+ IP Note Subjective (Unreleased)	IP ADULT PROGRESS NOTE SUBJECTIVE SECTION	IPAPNSUB	
+ Brief CV	PHYEXAMBYAGE (13+ Years)	PHYEXAMBY...	

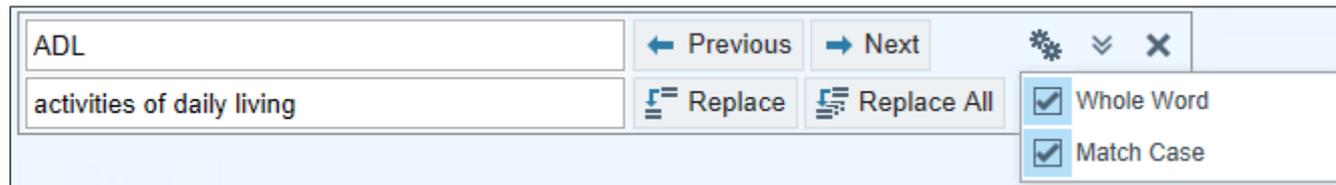
Add a macro by clicking the +. Remove a macro by clicking the -

Remove Me from All Add Me to All Accept

Update to the Replace Text Option

To make it easier for users to update specific words or phrases in a note, letter, comment, or other text in a SmartTool-enabled field, the replace text option can now be found in the find text field that appears at the bottom of the text box.

- Users can access the replace feature by pressing Ctrl+H.



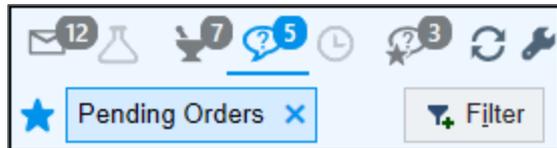
New Keyboard Shortcuts to Decline Deficiencies or Mark Them As Done

Use the following new keyboard shortcuts in the To Do sidebar and In Basket's Chart Completion, Cosign-Clinic Orders and Home Care Orders folders:

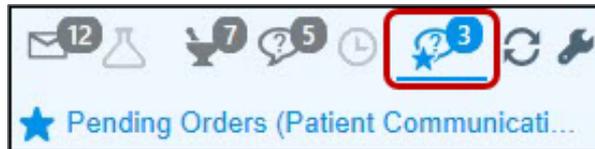
- Alt+L = Decline (previously Alt+C)
- Alt+Y = Already Done

Mark a Message Filter as a Favorite in Card View

- Mark a message filter as a favorite in Card View to easily apply the filter again.
- The favorited filter will then appear at the top with the message type icons in Card View.



- Select the favorite filter icon to see only the patient call messages that have pending orders.



Give Feedback on BestPractice Advisories

To help gather feedback on BestPractice Advisories (BPAs) straight from the clinicians who use them, an option is available to provide two types of feedback for applicable BPAs:

- Positive or negative feedback in the form of a thumbs-up or thumbs-down indicator
- An additional free-text explanation of a positive or negative response in a comment box



The screenshot displays a BestPractice Advisory titled "BestPractice Advisory - Avocado, Charlie-MED". The advisory content includes an "Important (1)" section with a warning icon and the text "Inpatient status order has not been cosigned. Please sign immediately." Below this is a link "Go to Cosign Orders Report" and an "Acknowledge Reason" section with two buttons: "Primary service - remind me later" and "Consulting service - does not apply". A feedback overlay is positioned on the right side, asking "Was this advisory helpful?" with thumbs-up and thumbs-down icons. A thumbs-up icon is selected, and a text box contains the comment "This was a proper time to see this advisory." A small thumbs-up icon is also visible in the top right corner of the overlay.

Send an Idea to Epic Headquarters (Verona)

Choose the Lightbulb button in the Epic toolbar to submit ideas for enhancements and view ideas submitted by others on ideas.epic.com.

NOTE: Users must have an active Epic UserWeb account to utilize this feature. This will not create an NM Service Desk ticket and is only for submitting ideas to Epic Verona. It is recommended to follow your department procedure when requesting changes to our system.



Important Information

Check the Apple App Store or Google Play store to make sure you are running the latest version of Haiku and Canto (9.6)



This version of Haiku and Canto requires iOS 13.0 or later, and Android 6.0 or later.

For a complete review of all of the features coming for Haiku and Canto, check out the [Quarterly Upgrade Summary Slides](#) on the Epic Enterprise Training Page.