



# Advancing Epic Hyperspace

*Web migration to Epic Hyperdrive*



## Reflection:

*“Excellence is never an accident; it is the result of high intention, sincere effort, intelligent direction, skillful execution and the vision to see obstacles as opportunities.”*  
- Anonymous



# Agenda

- Rationale
- Timeline
- Impactful changes
- Resources

*Disclaimer: This is not a comprehensive listing of all changes and is geared toward a physician audience*

# Rationale for Change

- *Required to move to newer versions up Epic*
- *Improved response time*
- *Makes innovation and maintenance easier and faster*
- [Here's Why Video](#)



# Rollout Timeline



March 13<sup>th</sup>, 2024

Informatics providers and a few others have access to Hyperdrive

April 10<sup>th</sup>, 2024

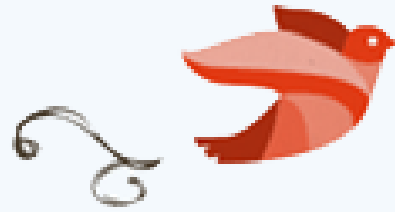
Early adopters (Monroe and Jefferson City) move to Hyperdrive

May 8<sup>th</sup>, 2024

The rest of SSM moves to Hyperdrive

# Overview of Impactful Changes

- Patient Look-up
- Epic Search
- Smart Tools
- Default Diagnosis in Preference List
- Sticky Notes
- Personalization Opportunities
- Problem List
- Miscellaneous Changes
- Specialty “Glow-ups”
  - Prenatal vitals, notes, and results
  - Oncology Treatment Plans
  - Anesthesiology linker



# Patient Look-up

See search criteria and results in the same window


### Search for a Patient

Name/MRN: What do you call a pile of cats? | SSN: | Sex: Female | Birth Date: | HAR: | **Find Patient** | Clear


State: | Service Area: A mewo-ntain >^..^< |  **My Patients** ⓘ | Find your patients from the last 2 years (Alt+P)


**Results** | Recent Patients


Patient Name	MRN	Birth Date	Age	Sex	Street Address			
<b>ZZTEST,ABC</b>	10000055	08/30/1955	68 yrs	F	1234 5th Street			
ZZTEST,ABC	10003379	05/21/2003	20 yrs	F	123 Main St.			
ZZTEST,ABC	10046122	12/08/1987	36 yrs	F	none			
ZZTEST,ABC	10014171	01/01/1993	31 yrs	F	111 North Ave	CRESCENT	OK	73028 xxx-xx-9999
ZZTEST,ABCDE	105878	01/01/1990	34 yrs	F	10750 WILLIE Ln Apt 456	SOUTH WAYNE	WI	53587 xxx-xx-0000
ZZTEST,ABCD	10005111	01/02/1982	42 yrs	F	2505 Mission Drive	JEFFERSON CITY	MO	65109 xxx-xx-9999






**Zztest, ABC - 10000055**  
This patient's name is an exact match to what was entered.

 Born 8/30/1955 (68 y.o.)  
Legal Sex: **Female**  
Gender Identity: Male

 1234 5th Street  
BROWN DEER WI 53223

 Sharkey, Bridget A, APNP-CNP

 xxx-xx-9999  
 405-517-4055 (H)  
314-750-9395 (M)

 No e-mail address on file  
Emergency contact:  
None, None  
...(2 more)

**Accept** |  **Cancel**

Narrow results to "your" patients

- You were/are on the treatment/care team
- You had an encounter
- You wrote or cosigned a note

Set the default view to either search results or recent patients

# Epic Search

**NZ**

**Zztest, Newborn**  
 Female, 7 month old, 6/8/2023, 38w0d GA  
 MRN: 10004095  
 E#: E5181440  
 Code: Not on file (No Adv Dir)  
 CSN: None

Search (Ctrl+Space)

- trend hemoglobin
- tsh
- hemoglobin
- trend blood pressure
- fluride
- ★ trend glucose and weight**
- ★ trend bp

- Search has **MOVED**: Access using Ctrl+Space, from the Epic Menu, or from the storyboard
- Can do math and unit conversions
- Can “star” your favorite searches
- Re-order labs from the lab spotlight card (if in an encounter)
- [Here's How Video](#)

**Epic** + SmartPhrase Manager Chart Encour

Why do cows wear bells? Their horns don't work!

5.46 kg to lb

**Unit Conversion**  
 5.46 kilograms = 12.037 pounds

Search the Chart  
 5.46 kg to lb



Spotlight

**TSH**

Status: Final result

Component	Ref Range & Units	3 d ago	6 mo ago	7 mo ago
TSH	0.35 - 4.94 uIU/ml	7.73 ^	1.54	0.12 v
Resulting Agency		MCHLAB	MCHLAB	MCHLAB
Specimen Collected:		01/15/24 11:31	Last Resulted: 01/15/24 12:32	

View Full Report

Order Again

Reuse Order Details - Ordered by You

- TSH
- From Preference List
- TSH
- TSH
- TSH

Leave Feedback



# Smart Tools

SmartLists have new colors (you can personalize) and functionality

- **Pink** = required  
(you have to select something to sign the note)
- **Yellow** = optional  
(if you don't select anything it will delete when your note is signed)
- Single vs multiselect is indicated by the shape next to the choices  
(○ = single, □ = multi)
- Can click on a list to select choices or hit F2
  - Left click to "pick" a choice, right click to "stick" your selections

Contact phone number ▾

Approximately **number** ▾ TIME UNITS

YES / NO- ▾

YES / NO- ▾

0 system ROS was reviewed  
PMH. The remainder of the

s filed for this visit.

t 3 Encounters:

Wt

or weight on file to calculate

**HISTORY**

story on file.

**HISTORY**

0

1

2

3

4

5

6

7

8

9

10

a few

several

\*\*\*

After selections are made (these settings are defined by the list)

- **Gray highlighting** = a selection has already been made and you can right click to reselect it
- **No highlighting** = a selection has been made and the text can be edited (can't reselect from the list without Ctrl+Z/undo)

Why can't you hear a pterodactyl going to the bathroom?  
Because the "P" is silent.



- Reselect This SmartList's Selections
- Reselect All SmartList Selections
- Delete SmartList
- Make Selected Text Editable

Exercise activity: **exercise level** ▾

Diet: **Diet: Well balan**  very active

Seat belt? **YES / NO-**  moderately active

Tdap up to date? **YE**  not active

Smoke detector? **YE**  exercises **NUMBERS; 0-10** times a **TIME UNITS W/ WO PLURAL**

Regular dental visits?  \*\*\*

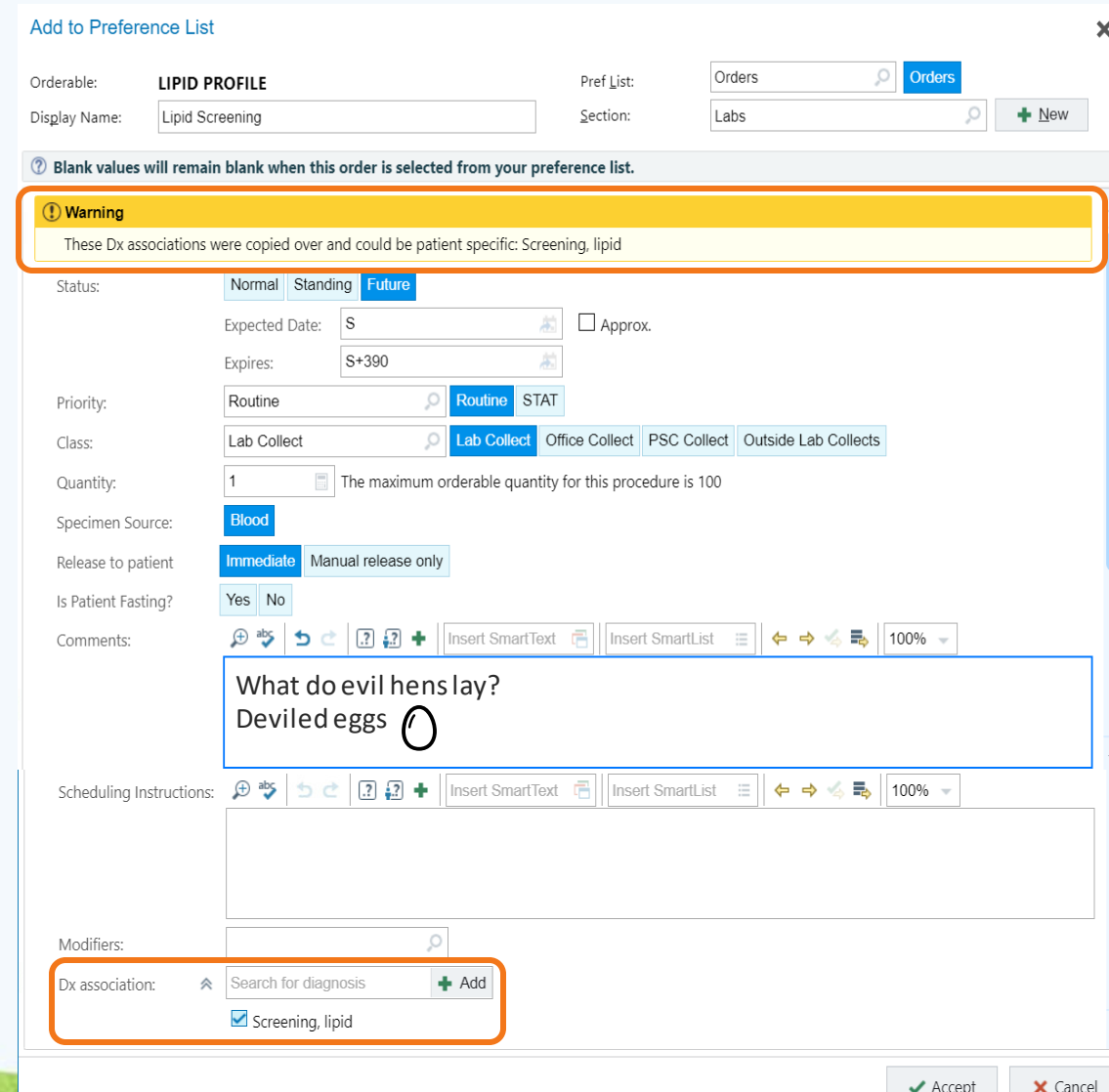
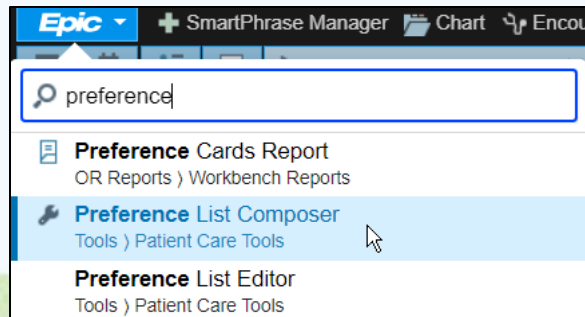
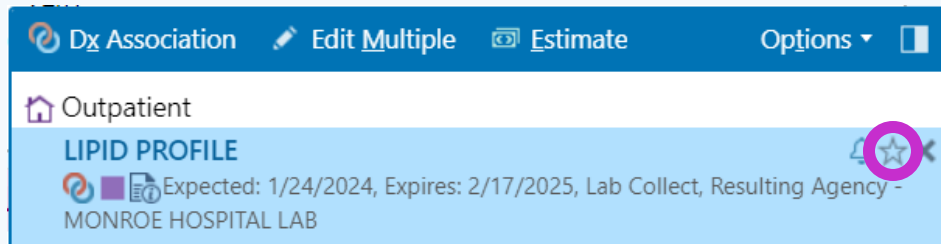
# Default Diagnosis in Preference List

Associated diagnoses can be saved with orders in your preference lists!

## Adding/Editing Preference List Entries

- Click the **star** from the order composer
- Go to your preference list composer

- Choose what list and section it should save to
- Edit details as needed
- Scroll down to bottom to see or edit diagnosis association
- [Here's How Video](#)



# Default Diagnosis in Preference List


- If the same order could be used for different diagnoses, save multiple versions!
- Depending what you choose, additional specificity may need to be added at the time of ordering
- You can follow other users' preference lists

**Add to Preference List**

Orderable: **AMOXICILLIN 400 MG/5ML PO SUSP** Pref List:

Display Name:  Section:

? Blank values will remain blank when this order is selected from your preference list.

Indications:  

Actinomycosis  Infection Associated with Perito Dialysis Catheter

Bacterial Endocarditis  Infection due to Pneumococcus

Bacteriuria  Infective Cystitis  Prosthetic Joint Infection

Bone and/or Joint Infection  Inhalational Anthrax  Septic Arthritis

Cervicitis due to Chlamydia Trachomatis  Lower Respiratory Tract Infection  Skin and Skin Structure Infection

Cutaneous Anthrax  Lyme Disease  Tonsillitis

Duodenal Ulcer  Osteomyelitis  Typhoid Carrier

ENT Infection  Otitis Media  Typhoid Fever

Genitourinary Infection  Periodontitis  Uncomplicated Urinary Tract Infection

Upper Respiratory Tract Infection

Indications (Free Text):

Dx association:

Acute ear infection

- Amoxicillin for AOM
- Amoxicillin for Pneumonia
- Amoxicillin for strep

**Select a specific diagnosis.**

Generic diagnosis **Acute ear infection** is associated with **amoxicillin (Amoxil) 400 MG/5ML suspension**. Pick a specific diagnosis.

Laterality:

More specificity needed

# How to Follow Someone's Preference Lists

1. Open the order search box (click "new" if inpatient, click the list icon button if outpatient)
2. Click the follow user button
3. Enter the name of the user you want to follow
4. Click accept
5. Ensure the box next to any users who you want to follow are checked (if it is unchecked you won't see their preference list entries)

The screenshot shows the 'Order Search' application interface. The main window displays a list of preference lists under the 'Orders' section, including 'IMAGING', 'LAB', and 'REFERRALS'. A dialog box titled 'Follow User's Preference Lists' is open, showing a search field and a list of users to follow. The dialog box includes an 'Accept' button and a 'Cancel' button. The interface is annotated with numbered boxes (1-5) corresponding to the steps in the list on the left.

1. The 'ADD ORDER' button at the bottom left is highlighted with a red box and the number 1.

2. The 'Follow Users' button at the top right is highlighted with a red box and the number 2.

3. The search field in the 'Follow User's Preference Lists' dialog box is highlighted with a red box and the number 3.

4. The 'Accept' button at the bottom right of the dialog box is highlighted with a red box and the number 4.

5. The search bar at the top of the main window is highlighted with a red box and the number 5.

No current selections.

What did the tree say when spring arrived?

What a re-leaf!



Clear All Selected

Accept Cancel

# Sticky Notes

- SmartTools can now be used in Sticky notes
- You can spell check sticky notes
- You can use the pin to determine if a sticky note type is open or closed by default
  - Pin down = sticky note type will open if something is present
  - Pin to the side = sticky note type will be closed by default when chart is opened

The image shows three sticky notes with different SmartTools icons in their toolbars:

- Pregnancy Sticky Note** (pink): Contains the text "Having a girl, RH-, Rubella non-immune". The pin icon is circled in purple.
- Pediatrics Comments** (blue): Contains the text "Why was Cinderella so bad at soccer? She kept running away from the ball!". The pin icon is circled in blue.
- My Sticky Note** (yellow): Contains the text "Sister is Amelia, Brther is Ja". The pin icon is circled in blue, and a context menu is open over it.

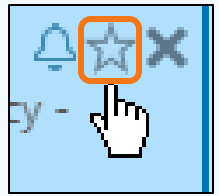
The context menu for the yellow note includes the following options:

- Spell Check (F7)
- Undo (Ctrl+Z)
- Redo (Ctrl+Y)
- List Phrases (.)
- List My Phrases (.my?)
- Create SmartPhrase
- Insert SmartText (Ctrl+F10)
- Previous Field (Shift+F2)
- Next Field (F2)
- Accept List and Next Field
- Use Defaults in SmartLists (Ctrl+F12)
- Zoom

# Personalization Opportunities

- Click your initials near the log out button to get to many personalization options
  - Display settings
  - Accessibility features
- Drag and drop to rearrange buttons/tabs
- Add quick buttons for additional E/M codes
- Set Notification Settings for Secure Chat then you oughta put a pin on it
- Click a wrenches, pins, or stars for customization options

If you like it then you oughta put a pin on it



**Notification Settings**

- Notify me on my workstation when I receive new Chat messages
  - Show message preview
 

When you select this check box, chat message text will appear in notifications. Use caution if your screen could be visible to others.
  - Fade away normal priority Chat messages after a few seconds
- Notify me on my workstation when I receive new Chat reactions
  - Fade away Chat reactions after a few seconds
- Show conversations with new reactions as unread
 

When you select this check box, new reactions will be highlighted in the conversation list on all devices.
- Remind me when I log in if I have new Chat messages

**In Basket Messages**

- My Messages
- Mine & Covering
- All Attached
- Display First Three Folders in Toolbar
- Show High Priority Folders First
- [Change Folder Order](#)
- My Messages 0

**Level of Service**

What do elves learn in school? The elf-abet

25 Prev + Add Modifier

1 E/M Code	Mod 1	Mod 2	Mod 3	Mod 4
[99214] PR OFFICE O/...	25			

Start time: \_\_\_\_\_ End time: \_\_\_\_\_

Authorizing provider: REBEDEW, KATHRYN J

Bill area: MONROE CLINIC Bill Area

**Calculate LOS based on time**

Patient type:

Total time (min):

Estimated time: + 46 Minutes

**Level of Service**

New 2	Est 2	New <1	Est <1	COAST
New 3	Est 3	New 1-4	Est 1-4	No Charge
New 4	Est 4	New 5-11	Est 5-11	
New 5	Est 5	New 12-17	<b>Est 12-17</b>	
			Est 18+	

**Additional E/M Codes**

SnapShot Chart Re... Growth WCC Sma Plan Wrap-Up

# Problem List

- Ability to merge problems
- More options for copying forward a prior A&P note (if using problem-oriented charting)

Severe episode of recurrent major depressive disorder, without psychotic features (CMS-HCC) ▲ ✕ ✓ ▼

Social anxiety disorder ▲ ✕ ✓ ▼

**Adolescent depression** ✕ + ▼

Hematology

Iron deficiency anemia ✕ ✓ ▼

Mark as Reviewed Last Reviewed by Kind, Charles F, DPM on 12/8/2023 at 10:00 AM List Activity

- ✕ Resolve
- 🕒 Resolve & Add to Hx
- 🗑 Delete
- ➔ Merge

Severe episode of recurrent major depressive disorder, without psychotic features (CMS-HCC) ▲ ✕ ✓ ▲

[Details](#) [Code: F33.2](#) [Priority: Not Prioritized](#) [Noted: 1/13/2021](#) [Share w/ Pt:](#)

[Create Overview](#)

Current Assessment & Plan Note

**Copy my last Assessment & Plan note**

Copy last Assessment & Plan note

Choose previous note to copy

What do you get when you cross a cat with a canary? A dead canary

[Previous](#) [Next](#)  Accept  Cancel

Merge Problems ✕

Merge **Adolescent depression** into **Severe episode of recurrent major depressive disorder, without psychotic features (CMS-HCC)**

Diagnosis: Severe episode of recurrent major depressive disorder, without psychotic features (CMS-HCC) ↻ ▲ [Change Dx](#)

Noted: 1/13/2021 ↻

Diagnosed: —

Resolved: —

Priority: Not Prioritized

Class: —

Share with Patient: Yes

Chronic: No

Overview Note:  Both notes

Severe episode of recurrent major depressive disorder, without psychotic features (CMS-HCC)

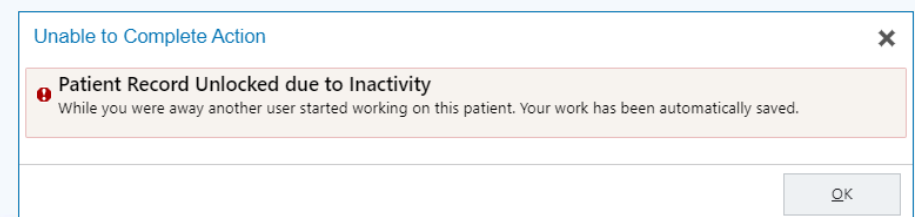
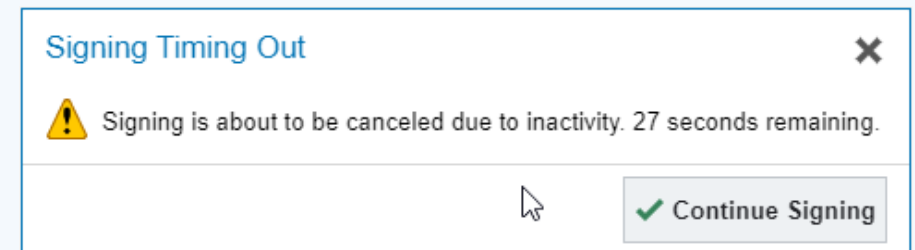
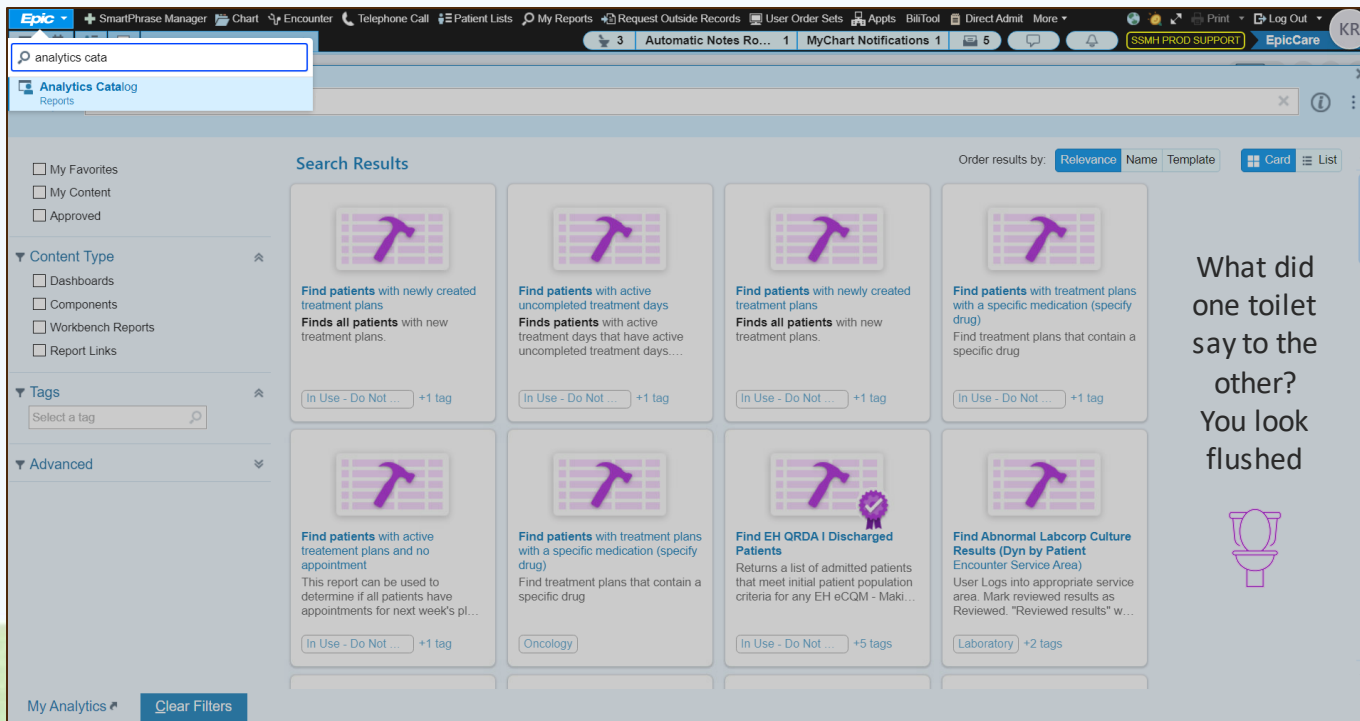
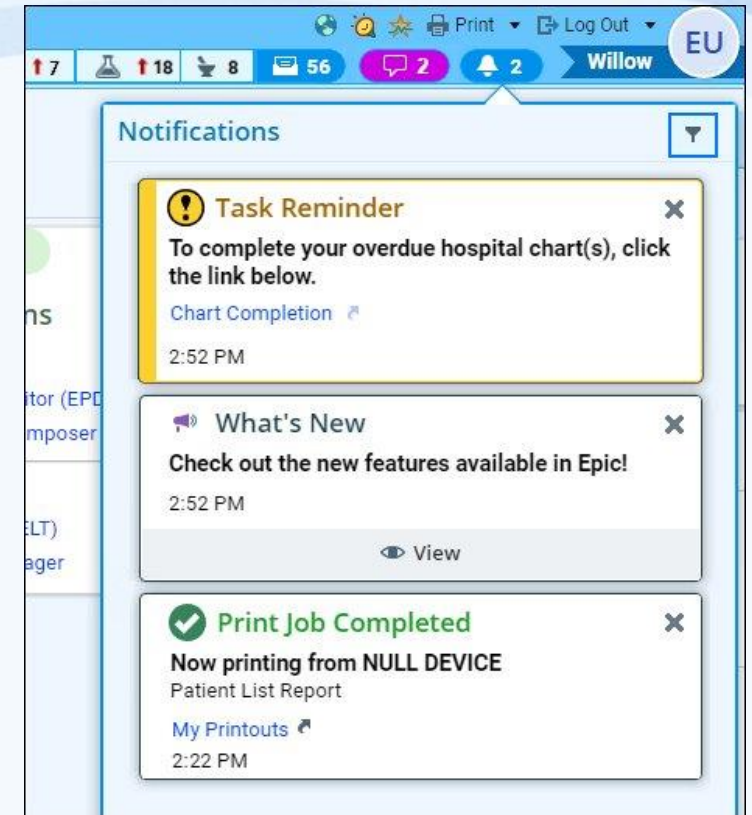
Adolescent depression

A&P Notes: No assessment & plan notes to be merged.

[Merge](#)  Cancel

# Miscellaneous Changes

- "My Reports" is retired. You can find personal and system workbench reports as well as Slicer Dicer reports and dashboards in the Analytics Catalog.
- New notification center – see from a glance what may need your attention
- If you are inactive in order reconciliation for too long, Epic will save your work and allow others to use that activity.
  - Click "Continue Signing" to keep working





# Specialty “Glow-ups”

- Some specialty tools have an updated look and enhanced functionality
  - Prenatal vitals, notes, and results console
  - Oncology treatment plans
  - Anesthesiology linker

1st Trimester			Genetic Testing		
ABO			CF Screen		
RH			CF Variant		
ABO Rh	O POS	11/28/2023	Sickle Cell		
Antibody Screen			Thalassemia		
Antibody ID			Blood Chromosome Analysis		
Antibody ID Titer			Amnio Chromosome Analysis		
Hemoglobin	13.0 g/dL	11/28/2023	NIPT		
Hematocrit	37.7 %	11/28/2023	FAP Seq Interpretation		
Platelet Count	351 x(10)/3uL	11/28/2023	Hemoglobin A1		
MCV	91.5 fL	11/28/2023	Hemoglobin A2		
HIV 1 AB			Hemoglobin F		
HIV 2 AB			Hemoglobin S		
HIV 1+2 AB			Hemoglobin C		
HIV 1+2 AB/P24 AG	Nonreactive	11/28/2023	Hemoglobin E		
HCV			Hemoglobin Other		
RPR	Non Reactive	11/28/2023	PAPP-A		
Syphilis Screen			PAPP-A MOM		
Rubella	IMMUNE	11/28/2023	AFP		
HBsAG	Negative	11/28/2023	Mom AFP		
PAP			HCG AFP		
PAP Thinprep			UE3 AFP		
PAP Interp	Negative for intraepithelial lesion or malignancy.	1/5/2024	MOM UE3 AFP		
HPV			Inhibin Dimeric		
HPV Genotype			DIA Result		
Chlamydia			MOM DIA		
GC			HCG Mom		
			AFP Interpretation		
2nd Trimester			Other Testing		
Glucose 1 hour			Urine Culture		
Glucose Fasting			TSH	0.91 uU/ml	
Glucose 1 hour GTT			T4 Free		
Glucose 2 hour GTT			T3 Free		
Glucose 3 hour GTT			Varicella AB InG	IMMUNE	
Hemoglobin					
Hematocrit					
MCV					
Platelet Count					

### Prenatal Vitals and Notes

Number of fetuses: 2    Pregravid weight: 50 kg (11...    Height: 1.626 m (...)

TWG: 8.242 kg (18 lb 2.7 oz)    Pregravid BMI: 18.91

Date	GA	BP	Puls	Weight	Fun Heig (cm)	Fetal Heart Rate	Movem	Dila Present (cm)	Effa (%)	Edema Station	Albumin	Glucose
11/28	9w 0d	100/60	74	57.289 kg (12...)	187							
01/05	14w 3d	96/52		58.242 kg (12...)	157							
01/22	16w 6d											

+ Add Reading

+ Create Note    WCC 1    Acute Exam 2    URI 3    Newborn 4    Acute Complete 5    Time 6    Immz 7    View Report


PreOp 8    PHQ 5+ 9

Add    Delete    Copy

**Rebedew, Kathryn J, MD**    Progress Notes    Signed    Creation Time: 1/22/2024 5:31 PM

Physician    Specialty: Pediatrics

What did the drummer name her twins?  
Anna 1, Anna 2



### Select a record

You selected the following procedure:  
11:50 BAP LAPAROSCOPIC APPENDECTOMY  
13:50 Primary Surgeon: Anderson, Wolf    Location: ANQA OR 5    Case Progress Status: Scheduled

Select an anesthesia record to continue or create a new record:

Continue this anesthesia record

**Anesthesia Record**

15:04  
Last quick event: Intubation (15:08)

Attached Procedures:  
15:40 CT ABDOMEN  
16:40 Provider: Location: AEH Radiology    Case Progress Status: In Room

Create a new anesthesia record

Location: Yoda/NONE

Chart Review

Back    Cancel

### Treatment Plan Manager - CARBOplatin / Etoposide Q21 - Lung

TP Height: 160 cm Δ +0.0%    TP Weight: 63.5 kg Δ +0.0%    TP BSA: 1.68 m2 Δ +0.0%    Schedule Orders    EMC Prescription Pharmacy North

Send Plan    Add/Remove Views    Lifetime Dose Tracking    Calculator

▼ CARBOplatin / Etoposide Q21 - Lung

Start Date: 5/1/2023, Line of Treatment: First Line, Treatment Goal: Curative, Plan Provider: Physician Beacon, MD, Treatment Department: EMC CHEMO INFUSION

Prescriptions — 4/30/2023, Completed

▼ Cycle 1 — 5/1/2023 through 5/29/2023 (29 days), Started

Day 1, Cycle 1 — Deferred (Treatment Parameters Not Met); Originally planned for 5/1/2023

Day 1, Cycle 1 — Released on 5/9/2023 8:54 PM; Originally planned for 5/9/2023

Appointment Requests    Labs    Nursing Orders    Hydration    Pre-Medications    Chemotherapy    Emergency Medications

Hydration: sodium chloride 0.9 % bolus 250 mL

Pre-Medications: LORazepam (Ativan) injection 0.5 mg

Chemotherapy: fentanyl (Fentanyl) IV Patch 20 mcg

Day 2, Cycle 1 — Planned for 5/10/2023

Calendar: May 2023, June 2023

Legend: Today, Tx Day, Cycle, Cycle Start Day, Deferred/Cancelled Tx Day, Completed Tx Day

Cycle History: Physician Beacon, MD

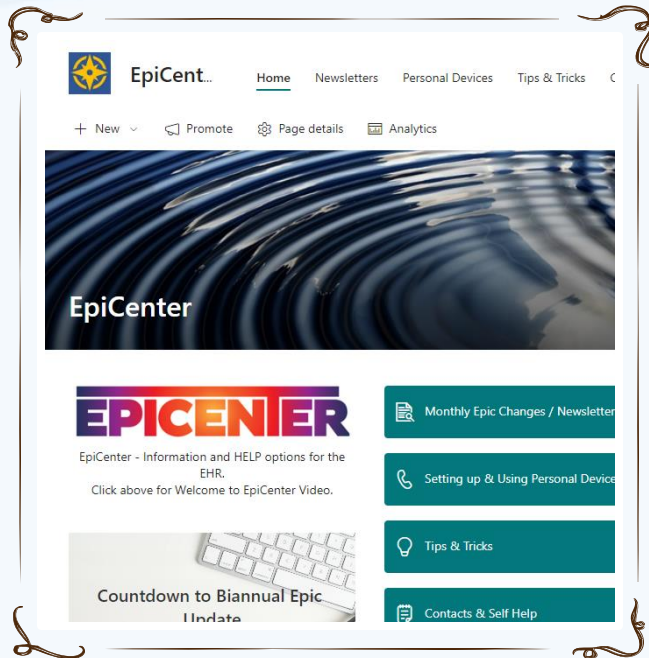
Day 1, Cycle 1 Pasted from Day 1, Cycle 1

Day 1, Cycle 1 Day Deferred Reason: Treatment Parameters Not Met

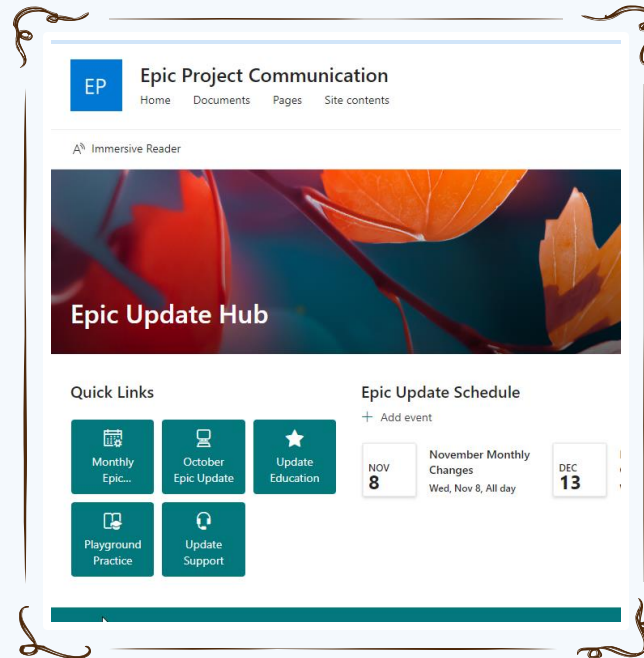
Day 4, Cycle 1 Day Planned Date Changed New: 5/12/2023 Previous: 5/4/2023

Day 3, Cycle 1

# Resources



EpiCenter



Project Communication Site



Epic Update Playground



## Questions

*How many jokes did you find, and which was your favorite?*



# *Specialty Specific Slides*

