Feb. 21 Epic Update Companion



Anesthesia Staff

Updated: 1/22/21

On **Sunday, Feb. 21**, Epic will be updated with new features and enhancements to improve safety and quality of care, productivity and financial outcomes. This *Update Companion* contains details of the changes for your role. It is your sole training resource so be sure to review it carefully.

This Update Companion is prepared for the following job roles/functions:

- Anesthesiologists
- CRNA
- Anesthesia Staff

Top Changes for Role/Department:

- 1. Keep a Close Watch on Watch Meds
- 2. Complication Tracking is Now Seamlessly Integrated into Anesthesia's Intraprocedure Activity
- 3. LDAs Get Visual in Intraprocedure
- 4. Get to Know the New Intraprocedure Medication Administration Window



If you need help with Epic, be sure to visit our library of tip sheets in the Epic Learning Home. Simply press F1 on your keyboard while logged in to Epic.



Page **1** of **15**

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Guided Playground Practice

Exercises to help you prepare for the coming changes.

After reviewing this document, use it as a guide to see the new features for yourself in the Epic Playground. Playground practice helps you prepare for the update so you can stay focused on patient care.

Playground User ID: ane00-ane12 Playground Password: train

Key workflows for you to practice include:

- Record Complications in the Intraprocedure Activity
- LDAs Get Visual in Intraprocedure
- Document Medication Administrations in the Improved Admin Form

Anesthesia Staff



Keep a Close Watch on Watch Meds

Key Benefits

• Easily Visible in Anesthesia Storyboard

Description:

Look for the **Watch meds** column in the Anesthesia Storyboard to see whether your patients are taking any medications you need to watch carefully. Use the information you find there to make sure you don't overdose or dose your patients too early with any of these medications.

Pat G. Simpson Male, 35 yo, 9/19/1984 MRN: 278459 Cur Location: Mode Code: Not on file (no ACP docs)						
Isolation: None						
ALLERGIES Not on File						
Ht: 5'8"						
Weight (standard): 180 lb						
BMI: 27.37 kg/m² Watch meds found	Watch Medication Medications searched	ons : Antibiotics (1 day), Narc	otics (1 day)			
PROCEDURES (2)	Last Administrat	tions				
APPENDECTOMY OPEN	Medication Group	Date/Time	Medication		Action	Dose
Scheduled, ANQA OR 10	Antibiotics	1/24/2020 7:46 AM	ceFAZolin 500 mg		Given	555 mg
Anes: Ben Crusi, MD Provider: Carie Main, MD Bed Requested: 10a	Narcotics	1/24/2020 7:57 AM	REMIFENTANIL 1 MG	IV	New Bag	0.1 mcg/kg/min
PROBLEM LIST Non-Hospital Difficult intubation	Orders Not Give No orders found	en ont Modications				
NO NEW RESULTS, LAST 36H	Medication Group	Order Details		Sig		
	Narcotics	morphine (MS IF	R) 15 MG PO tablet	Take 15 m	a by mouth eve	rv 4 hours as needed
MEDICAL HISTORY Hypertension				for Pain.	<u> </u>	,





Record Complications in the Intraprocedure Activity

Key Benefits

• More Efficient

Description:

It's easier than ever for Anesthesia staff to quickly document procedure complications for their patients because complications documentation tools are now seamlessly integrated into Anesthesia's **Intraprocedure** activity. Documenting complications helps to make sure you can provide safe, effective care in future procedures and contributes to a rich collection of data for ongoing analysis and quality reporting.

Respo	nsible Provider:	(none)								
Go to	Apply Macro	D D 2020 9/2 9/2 17:45	17:50 17:55 18:00 1	8:05 18:10 18:15 18:20 18:25 18:30 18	3:35 18:40 18:45 18:50 18:55					
Macro	1802	Autologous Blood mL Cell Saver mL				Comp	lications - Brown, Brian			
5		Voided Urine (mL) mL								
Meds		NG/OG Tube Output mL		Complications						
52		Other mL					Attesting to a first the second secon			
Staft				Add complications	+ Add		weakness - bag/mask ventilation required			×
Н		: Auxiliary 02 L/min		Airway/Respiratory	Pharmacologic		Phase	Outcon	ne nont: Other	0
Handoli				Primary respiratory arrest	Anaphylaxis		Comment	P	ien. Onei	P
Attest				Unable to intubate	Medication event		bag required			
6				Unable to extubate	Other unexpected drug reaction		Last edit: 9/2/2020 6:04 PM - Anesthesia Anes	thesiologist, MD)	
Blood				Difficult to intubate - expected	🕂 Malignant hyperthermia					
Bld Reg				Difficult to intubate - unexpected	 Prolonged N/V requiring intervention 					
5				+ Difficult mask airway	Endocrine, Urologic, Miscellaneous					
Memo				Unplanned reintubation	Patient unable to void					
™ Msg				Reintubation after trial extubation	Low urine output < 30 cc/hour if measurable					
< Device		Events		+ Pulmonary edema	 Hypothermia requiring warming blanket 	4				
	/	© Lore Vitais		Post-obstructive pulmonary edema	Transfusion reaction					
Misc	Check Position	Assess LDAs Vit/Age BPA Med Exc Indu	rction Compli	+ Bronchospasm	Unanticipated transfusion					
45				+ Laryngospasm	+ Hypoglycemia					
		Duka i		+ Aspiration	+ Hyperglycemia > 200 mg/dL					
				+ Pneumothorax	Subspecialty consult requested					
				Airway obstruction requiring support	Unanticipated transfusion			0		
				Wheezing requiring medical treatment	Cutaneous injury / Laceration / Skin					
				Unplanned ventilation	+ Other oropharyngeal injury / pain					
				Weakness - bag/mask ventilation required	+ Nausea					
				Desaturation < 90% for over 3 min or < 80% for over 1 min	+ Vomiting					
				Cardena and a	• T	Ť				
									No Active Reminders	Clo <u>s</u> e
						-		_		

Steps:

- 1. Click Complications in the toolkit.
- 2. Complications window opens within the Intraprocedure activity.
- 3. There's no need to go to the separate **Complication Tracking** activity to document complications anymore.





LDAs Get Visual in Intraprocedure

Key Benefits

• More Efficient

Description:

Use a visual avatar of a human body to document the placement, assessment and removal of lines, drains and airways.

Steps.

- 1. Open the Flowsheet activity.
- 2. Chose LDA Avatar.
- 3. Click the drop-down menu.
- 4. Choose Add LDA.



Page **5** of **15** epictraining@houstonmethodist.org | it.houstonmethodist.org



Filter Devices in the Data Validate Activity

Key Benefits:

• Time Saver

Description:

You can now filter information in the **Data Validate** activity to focus only on the data from a single device. This is especially helpful when multiple devices show unvalidated data at the same time in the **Data Validate** activity. To filter data, select a device from the dropdown menu in the **File Data From** field.

<		Data Validate	x
Start 09/01/20	End 0800 ③ 09/01/20 👘 1	1506 ① Update Interval Im 5m 10m 15m 30m	1h 2h File Data From Selection EMH Ventilator 100 ✓ Select all All Devices
Settings	0800 09	9/1/20 100 1000 1100	EMH Ventilator 100 EMH Vitals Monitor 100
FiO2 (%) Resp Rate PEEP/CPA	- 49 - - - 13 - - - 3 -	49 \$ 49 \$ 50 \$ 14 \$ 13 \$ 15 \$ 5 \$ 4 \$ 3 \$	48 50 6 49 13 6 15 6 13 5 6 5 6 3
Readings Vt (observe PIP Observ	<	73 74 73 39 39 39	72 74 74 40 40 39 39
Add a comment	t:	Selected: 35	File and Close





Bookmark Outside Encounters in Chart Review

Key Benefits

• More Accuracy and Reliability

Description:

Reviewing encounters from outside sources can give you a broader view of patients' care and help fill in gaps you might otherwise be unaware of. Now you can bookmark and add comments to outside encounters for easy reference later on the **Bookmarks** tab, alongside any other bookmarked data from the chart. The **Care Everywhere** icon indicates which encounters originated from outside your organization on the **Bookmarks** tab.

Chart Rev	view			
Enco	ounters Labs	Imaging Procedures	ECG Other Orders	Medications Episodes Le
Preview -	C Refresh (1:3	5 PM) 📕 Selec <u>t</u> All 🗮 De	select All 🖹 Review Selec	ted 🔝 Side-by-Side 📳 Synopsis
▼ <u>F</u> ilters	Default filter	Family Practice Initia	I Department	ns Excl My Encounters
\ \	When	Туре	With	Description
	04/30/2020 💬	Patient Message	FP - Shin, E	
)4/26/2020 🎄	Office Visit	Audiology - McKinley, R	Abnormal otoacoustic emission
	Admission for ton	sillitis		
			,	
dm (03/20/2020 🕂	ED	EM - Alice Tsui, MD 🛛 🧲	Acute tonsillitis due to infectiou
	03/05/2020 🌢	Office Visit	FP - Jones, J	Bilateral low back pain without



It's Easier to Tell When a Toolbar Button is Selected

Key Benefits

• Easily Visible in Clinical Toolbars

Description:

A check box or radio button now appears on many toolbar buttons throughout Epic on your workstations so it's easy to tell when a button has been selected.

 ToothChart

 Hard Tissue
 Periodontal



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Add SmartPhrases to Your Notes Using SmartLists

Key Benefits

• More Efficient

Description:

You can now use **SmartLists** to insert **SmartPhrases** into your documentation, making it possible to quickly and efficiently customize documentation to suit the needs of the situation without needing to remember or look up needed **SmartPhrases**.

Us	er SmartList – sgnMyP	roc [12833]					
(Choice		Default?		* Settings		
{	:PHR,ENDOSCOPY}				Name		
{	PHR,COLONSCOPY}				sgnMyProc		
Γ	erc		☆ □		Display Name		
	Name	Description				С	
	☆ ERCD	ERCD on @TODAYD	ATE@				lectable
		Breast imaging densit	y and findings				
		Displays the procedur	re associated with the current or	der or all lir	nked orders.		าร





Create New Medication Orders When Administering the Same Medication by a Different Route

Key Benefits:

• Improved Workflow

Description:

If you are administering a medication multiple times during a procedure by different routes, make sure to create a new order for each new route. That way, each route gets its own row on the grid so that you can clearly see them when reviewing medication administration information

+	Add <u>M</u> edication	fental	NYL (SUE	BLIMAZ	ZE) Injec	tion								Total 25 mo	Dose: cg					Last A 25 mc Given	ction: g at 1552			
fentaN Injecti	IYL (SUBLIMAZE) on	0	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	
		•						1010			1010			1010	1000		25						1000	•
		<i>₿</i> ≭	Admin						 < <u>D</u>isc 	ard Cha	nges	🚱 Cha	ange <u>T</u> ir	ne 📋	Cance	≜ <u>I</u> Admin		K <mark>ROU</mark> ntrathec	te al					
			mcg		mg		ml	L	m	ıL/hr								M Prov Ordered Authorize	viders by: ed by:	Ane Ane	sthesiolo sthesiolo	gist Ar gist Ar	esthesia esthesia	a, MD a, MD
			Dose (mc	g): 25	Rate (r	nL/hr)	[2	5	Ø	Act	ion	Given		ı İı	🐥 Rem	ninder	s				
		h		Last Do	ose: 25 m	ıcg		1	2	3		Clear					1					Ļ	Add Re	minder
								4	5	6														
								7	8	9														
									0															
		Giv	en over																					
			1 min		2 mir	ı	3 m	in	0	ther														
		Adr	ninisterin	g user																				
		Mo	del Crna				,o																	
			🧏 Link	Lin <u>e</u>																				
		+	Commen	t																				





Document Medication Administrations in the Improved Admin Form

Key Benefits

• Improved Communication

Description:

The Admin form in the Medication Administration window has a new look and feel.

Search for Medications

- 1. Enter the first few letters of a medication in the Search field to start searching.
 - Results appear as you type based on partial matches.
 - Results are sorted into categories.

+	Add Medication		Active Fluids Influsions A-B C-D E-H I-L M-N O-P Q-Z	
_			Infusions	
			*bupivacaine (PF) *fentanYL 2 *fentanYL 3 *fentanYL 10 *remifentanil *remifentanili *remifentanili *remife	
	*esmolol (BREVIBLOC)		3 mc ropivacaine 0.2 bupivacaine 0 bupivacaine 0 mcg/mL INFUS INFUSION (HM	
	2500 mg/100mL NS (20	^	SUFertani	
1	"nitroprusside (NIPRIDE)	×	vs (SUPERIA) Indian	
l	INFUSION	-	A - B	
	acetaminophen (OFIRMEV) injection	×	R _e altertani	
	cefOXItin (MEFOXIN)		E-H	
	cefOXItin (MEFOXIN)		fentaNYL (SUBLIMAZE) (SUBLIMAZE)	
	cefTAZidime (FORTAZ)	×	Q-Z	
-		_	remeentanii remeentanii SUPertanii SUPertanii (SIJEPthal)	
	cisatracurium (NIMBEX) injection 2 mg/ml	×	1 mg 2 mg injection infusion	

2. Click the **wrench** to hide medications from the **Intraprocedure** activity's timeline, just like you do for flowsheets.

	Medication Configuration	7	Tatala	Ect Vol
Agents	Select the medications to show:		TOLAIS	Est Vol
VDROmorphone mg Ketamine (KETAL mg vancomycin (VAN mg Medications	Hidden medications will still contribute to the net volume. HYDROmorphone 1 Ketamine (KETALAR) mg/mL S0 mg in dextrose 5 (VANCOCIN) 500 m	1 5 5	1 mg 5 mg 500 mg	50 mL
	Show All Medications Show All Medications My Medications My Medications Ketamine (KETALAR) 50 mg in dextrose 5 % 500 mL infusion 10:20 10:	10:25	10:30	10:35
	HYDROmorphonemg ivancomycin (VANmg Medications			



Select a Medication

- 3. Click the Last Action link to see more detailed administration documentation.
 - In the list of medications on the left side of the window, your selected medication is highlighted to make it easier to see.
 - Total dose and last administration information are available in the header.

+ Add Medication	morPHINE 2 mg	ml.						Total Dose: 0.2 mg				Last Action: 0.2 mg Given at 0927	
morPHINE 1 mg/mL PF	0 0912 0913	0914 0915 0916	0917	0918 0	919 092	0 0921	0922	0923 0924	0925	0926 0927	0928	0929 0930	0931 0932 ►
norPHINE 2 mg/mL neostignine X	∮ Admin			Discard (Changes	G Chan	90 Ileve	1 Cance	Admin	< Rou	te	1	
neostigmine 0.5 mg/ml, X norepinephrine 10mcg/ml, X CV syringe	Unit									R Prov Ordered	riders by: ed by:	Groen, Alfred L Groen, Alfred L	. MD
ondansetron (ZOFRAN) X	Dose (mg)					a	Ac	tion Given		& Rem	ninders		a 144 Burbater
(100mcg/mi,) CV syringe X propofel (DIPRIVAN) X	Last Dos	e: 0.2 mg	1	2	3	Clear							Add Hemmoer
propolel (DIPRIVAN) X	0.2 mg	0.3 mg	4	5	6								
propofiel BOLUS X	2 mg		7	8	9								
rocuronium 🗙				0									
scopolamine 1.5mg X PATCH X	Administering user												
sodium chloride 0.9 % 50 mL for Post-Alteplase Inf X	Groen, Alfred L, MD												
sodium chloride 0.9 % 50 mL for Post-Alteplase Infusion	R Link Ling												
sodium nitroprusside (NIPRIDE) 400 mcg/ml, in sodium chloride	+ Comment												
succinylcholine X													
vancomycin (VANCOCIN) 🗙													

Active Medications Tab

- 4. Tap Release Signed and Held Orders to release orders.
 - More information is available for medications on the Active tab.
 - Any currently running infusions appear at the top of the list.
 - Details about the last administration appear next to the medication name.
 - You can pick several medications at once using the checkboxes to the left of the medication name to add them to the grid.

Active Fluids Infusions A - B C - D E - H I - L M - N O - F	Q-Z Search
Add All Release Signed and Held Orders (0)	Filter: All Continuous Periop
Running Infusions	Last Action
lactated ringer's infusion	50 mL/hr New Bag at 12/16 0923
Other	Last Action
diazePAM (VALIUM) injection 5 mg	Not Yet Administered
warfarin (COUMADIN) tablet 5 mg Reactions: Palpitations	Not Yet Administered



Remove a Medication from Order Strip

5. You can remove medications from the grid if not administering by clicking



- If the medication was already administered, does not appear.
- Medications on the Order Strip are sorted to match the sorting on the timeline.



Make Changes to Administration Documentation

6. Discard Changes, Change Time or Cancel Admin all from one view.

Quickly Jump to Next Required Field

- 7. If the medication you selected has required fields, you can quickly jump to the next required field by tapping **Next Required**.
- 8. After all the required fields are filled out, if there are any recommended fields left, the button changes to **Next Recommended**.

 ○ 1405 1406 1407 1408 1409 	1410	1411	1412	1413	1414	1415	1416	1417	1418
Admin 6	٤.	jiscard (Change:	s 0	Change	Ţime	t Ca	nce Ad	min
Dose (mcg/kg/min): 5 Rate (mL/hr)				5	G	A	ction New	w Bag	
No Last Dose	1	2	3	3	Clear				
5 mcg/kg/min 10 mejeg/min	4	5	(5					
	7	8	5	•					
		0							
Administering user									
Groen, Alfred L, MD									
R Link Ling									
+ Comment									
I Flowsheets									
Use All Pre 7 Pr									
Seddilon S									
Next Recommended	8			_		_			
C Hell Recommended									

Page **12** of **15** epictraining@houstonmethodist.org | it.houstonmethodist.org

Review Interaction Warnings

Tap

- 9. Interaction warnings visible in more places to view before administering medications.
 - icon appears on Order Strip and Admin form.
 - to see more details.
 - Tap 1 on the interaction warning to see more information.



Link New Medication to an Already Active order

10. If selected order matches an active order, then the matching active medication order appears in **Med Admin** window.

- If the medication is already on the grid, then the On grid icon will display.
 - Last admin information available.
 - o Can see more details by clicking
 - Can create new order instead of using existing.

Dre or more a give orders already exist for this medication. Choose one of the existin Exact Match	ig orders or create a new one, if appropriate.	
Reactions:Headache	Last action: 50 mcg Given at 12/15 1646 Frequency: every 2 hour PRN Administering provider: Groen, Alfred L, MD Ordering provider: Groen, Alfred L, MD	2
岸 Create a <u>N</u> ew One-Step Order Instead		



Switch Between Bolus and Continuous Administrations

11. Bolus and continuous administration of the same medication appear on the same line.

Column Interval: 5 minutes \$ ondansetron (ZO mg	2020 12/16 10:00	10:05	10:10	10:15	10:20	10:25	10:30	10:35	10:40	10:45	Totals	Est Vol
phenylephrine 1 mog												
propofol BOLUS mg												
rocuronium mg						11						
scopolamine 1 patch												
sodium chlorid mL/hr				10 mL		-	20				15.67 mL	15.67 mL

12. Use Anesthesia Volume Adjustment to switch from dose or rate-based administration to volume.

◎ + 1522	23 1524 1525	1526 1527	1528 1529	1530 1531 1	532 1533 1534 1535
		< D	iscard Change	s 😡 Change Iir	me 🗎 Cancel Admin
mL	mL/kg	mL/hr	mL/kg/hr		
Dose (mL/h	r) Rate (mL/hr)				Action
				C	Rate Change
La	st Dose: 20 mL/hr	1	2	3 Clear	New Bag
		4	5	12	Stopped
		7	8		Anesthesia Volume Adjustment

Edit the Components of a Mixture Medication

13. Review/change Mixture Components.



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14. Add dosing reminder

ampicillin				Total Dose:	Last Action: Not Yet Administered						
 ○ 1103 1104 1105 1106 1107 ◄ 	1108 11	09 1110 1	111 1112	1113 1114 1115 1	116 1117 1118 1119 1120 1121 1122 1123						
∮ Admin	e D	iscard Change	Chang	e Time 🕆 Cancel Ad	< Route						
g mg					8 Providers						
		1	G	Given	Groen, Alfred L, MD						
No Last Dose	1	2 3	Clear		Authorizing Provider						
1g 2g	4	5 6									
	7	8 9			Add Reminder						
Administering user	0	*	45 Min (1208)	+4 Hr (1523)	+6 Hr +8 Hr (1723) (1923) +Other Min						

15. Select a Patient Weight for Weight-Based Medication Doses.

*esmolol (BREVIBLOC) 2500 mg/100mL NS (20 mg/ml)								Total Dose:						Last Action: Not Yet Administered				
2 ↑ 1103 1104	1105 1106	1107	1108	1109 1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	_
 ▲ Y Admin 												Weig	ht (kg	1)	6	5	_	•
Unit				Discard Cha	inges	🚱 Char	ige <u>T</u> imi	8	Cancel	Admin	55	5.3	E Pa	itient: 54	1.4 kg	Dosing:	55.3 kg	n I
mcg/kg/min	mcg/min										E							_



Page **15** of **15** epictraining@houstonmethodist.org | it.houstonmethodist.org