

# **TIP SHEET** HOSPITAL INFORMATION SYSTEM (HIS)

#### CONTINUOUS FENTANYL INFUSION with BOLUS via INFUSION PUMP

#### **DOCUMENTING the INITIATION of a CONTINUOUS FENTANYL INFUSION**

**NOTE**: fentaNYL (1,000 mcg/100 mL) manufactured infusion bags are available in Critical Care (ICU/ED) Automated Dispensing Cabinet (ADC) at each site. The premix bag is to be used for fentaNYL continuous infusions rather than a nurse prepared bag.



- 1. Verify that a Prescriber powerplan/subphase/order has been entered in the HIS.
- 2. Once in the patient profile, navigate to the Medication Administration Wizard (MAW) icon
- 3. Once the MAW opens, a prompt will appear to scan the patient ID band.
- 4. Once the patient's ID band is scanned and two patient identifiers are verified, scan the barcode on the manufactured infusion bag.





IIII Medication Administration

1





a. If the medication order has not been verified by pharmacy, a prompt will appear (as below). Select yes to continue to document the medication administration.

				Nurse Rev	view Creat	e order and document.	Last Refresh at 12:35 EST
'ES' emal	rcovi	D, ONE	MRN: 11053225 FIN#: 22-004062	DOB: 08/Aug/ Age: 28 years	1996		Loc: NF3012; A ** Allergies
			20	25-Jan-02 11:20 EST - 2	2025-Jan-02 13:50 ES	Т	
]	<b>1</b> 9	Scheduled Continuous	Mnemonic fentaNYL fentaNYL (additive) 1 000 m	Pharmacy Verification		CONTINUC	DUS, 10 mL/hr, Start Date: 02/01, gitation Sedation Scale (BASS) m
]	<u>مر</u>	Continuous	fentaNYL fentaNYL (additive) 1,000 m	The medication task Continue?	c, fentaNYL, has not been vo	erified. CONTINUO	US, 0.7 mL/hr, Start Date: 18/12/
]	ی ••	PRN	fentaNYL fentaNYL (additive) 1,000 m fentaNYL fentaNYL		Yes	No N-IV, q1h, PF	DS, 0.7 mL/nr, Start Date: 18/12/. RN pain, First Dose: 17/12/2024
	<b>••</b>	PRN	fentaNYL fentaNYL (fentaNYL (bolus fro	om bag))	25 mcg = 2.5 Titrate to tard	mL, IV, SOLN-IV, q1h, PF get pain score less than	RN pain, First Dose: 02/01/2025 or equal to 3 out of 10
	<b>1</b>	Continuous	heparin heparin (additive) 25,000 unit	(s) + premix dextrose 5%	Total Volume in water Initiate as pe	(mL): 500, IV-CONTINUC r Initial Infusion Rate No	OUS, Titrate per nomogram, Star mogram (refer to PowerPlan vie
1	720 <b>2 -</b>	DDNI	honorin		2 000 unit(c) -	- 60 mL IV COLNEIV or	directed DDN other (see comm

- 5. Once the pharmacy verification prompt has been acknowledged, the medication order that matches the scanned medication will be selected in the medication list.
  - a. The yellow box in the 'Result' column indicates mandatory fields that need to be completed before you can sign for the infusion and document it as initiated on the MAR. Double click to open the charting details window and complete any required fields, then press ok.

						_	~		Charting for TESTCOV	ID, ONE	
Medication A	Administration					- L	×		< 0 m		
								1	fentaNYL (additive) 1,0	000 mcg [100 mcg/hr] + premix sodium chloride 0.9% 100	Chan
			Nurse Review	Create order an	d document.	Last Refresh at 12:35	EST		mL Total Volume ImD: 100. IV-C	ONTINUOUS, 10 mL/hr. Start Date: 17/12/2024 13:29:00, 1.4 kg	
TESTCOV		MRN- 11053225	DOB: 08/Aug/1996			Loc NE20	12. 4		10 to 200 mcg/tir Target Ric	hmond Agilation Sedation Scale (RASS) minus 1 – minus 2	
ESICOVI	ID, ONE	FIN# 22-004062	Age: 28 years			LOC: NFSU	112; A		• •	2025-Jan-02 02:09 EST - 2025-Jan-03 02:09 EST	
emale			- gei zo jeuno			Al	lergies		👔 Begin Beg		
		2025-Jan-02	: 11:20 EST - 2025-Jan-0	2 13:50 EST					Site Change	No results found	
	Schodulod	Mnomonic	Details		Popult		^	1	Bolus		
🙆 👾 🖬	Continuous	fenteNVI	Tetal Volume (ml.)		100 mL IV COL	TINUOUS 10 ml /hr	Cites		Rate Change fentaNVI		
	continuous	fontaNVL (additive	) 1 10 to 200 mcg/hr Ta	root Richmond Ag	100 mL, 1V-COI	v111v0003, 10 mL/m, <	cantes		Vives No. fee	taNVL faddition) 1.000 mcn/100 ml	
নি	Continuous	fentaNVI	Total Volume (mi.): 20	IV-CONTINUOUS					Ves No pre	mix sodium chiloride 0.9% 100 mL	
	continuous	fentaNVL (additive)	1 00	, contrato o oo,							
Ì	Continuous	fentaNYL	Total Volume (mL): 20	IV-CONTINUOUS					Terrormed date / time :	02/3en/2025 ÷ v 1409 ÷ EST	
		fentaNYL (additive)	1,00						"Performed by:	NHS Teat01, Name	
) n 🖬	PRN	fentaNYL	25 mcg = 2.5 mL, IV, 1	SOLN-IV, q1h, PRN					"Witnessed by :	9	
		fentaNYL (fentaNYL	(bol Titrate to target pain	score less than or e					*Bag # :	1	
ेन्न 📬	PRN	fentaNYL	25 mcg = 2.5 mL, IV, 3	SOLN-IV, q1h, PRN					"Site :	×	
		fentaNYL (fentaNYL	(bol Titrate to target pain	score less than or e			_		"Volume (mL)	100	
) 🔁 🔁	Continuous	heparin	Total Volume (mL): 50	0, IV-CONTINUOUS					"Rate (mL/hr)	10	
		heparin (additive) 25	5,00 Initiate as per Initial I	nfusion Rate Nomo			~		"fentaNYL Dove	100 mce/hr ~	
1 738 <b>54</b>	DDNI	honorin	2 000 unit(c) = 60 ml	W COLNEN/ or dir			>				
eady to Scar	n		2 of 2								
Medication A	Instruction Winned Hole 🗹	About Medication Administry	tion Minud 12			Back	Sign				
ivieurcation A	withinistration wizard Help	About Medication Administra	action wizard Ea								

6. Once each field is entered, the yellow will be removed from the field and the 'Ok' button on the bottom right can be selected.





### **TIP SHEET** HOSPITAL INFORMATION SYSTEM (HIS)

7. A nurse witness will be required. The nurse who completed the independent double check, as per NH policy, at time of medication initiation will be required to enter their credentials before the medication can be signed off on the MAR.

		Charting for: TESTCOVI	D, ONE		
P Medicat	ion Administration	fentaNYL (additive) 1,0 Total Volume (mL): 100, IV-CC 10 to 200 mcg/hr Target Rich	00 mcg [100 mcg/hr] + premix sodium chloride 0.9% 100 mL DNTINUOUS, 10 mL/hr, Start Date: 02/01/2025 12:08:00, 1.4 kg imond Agitation Sedation Scale (RASS) minus 1 – minus 2		
TESTCO Female	OVID, ONE	✓ Yes No fent ✓ Yes No pren	aNYL (additive) 1,000 mcg/100 mL nix sodium chloride 0.9% 100 mL		Change
	Scheduled	*Performed date / time :	Authorizing Signature - NHSFLOATRN04		Comment
स्र 🗖	Continuous	*Witnessed by :	Cerner Millennium <sup>®</sup>		
	Continuous	*Bag # : *Site :	NHSFLOATRN04		
	PRN	*Volume (mL) : *Rate (mL/hr) :	Domain :		
		*fentaNYL Dose :	C3076		
(11) <u>Medicati</u>	on Administration Wiz		OK Cancel PowerChart © 2011 Cerner Corporation. All rights resen ed.		Begin Bag
sodium chloric	le 0.9%			ЭК	Cancel

8. Once all required fields are completed, the yellow will disappear from the 'Results' field and a blue checkmark appears on the left. The fentaNYL infusion can now be signed by pressing 'Sign'. This will begin the infusion on the patient MAR.

T Fe	EST male	COV	ID, ONE	MRN: 11053225 FIN#: 22-004062	DOB: 08/Aug/1996 Age: 28 years	Lo	c: NF3012; A ** Allergies **
				2025-Ja	an-02 11:20 EST - 2025-Jan-02 13:50	EST	
			Scheduled	Mnemonic	Details	Result	^
	~	•= ह	Continuous	fentaNYL fentaNYL (add	Total Volume (mL): 100, IV-0 ditive) 1, 10 to 200 mcg/hr Target Rich	CONTINU 100 mL, IV-CONTINUOUS, 10 mond Ag	0 mL/hr, CVAD:
		ল	Continuous	fentaNYL fentaNYL (addi	Total Volume (mL): 20, IV-CON tive) 1,00	ITINUOUS,	
		জ	Continuous	fentaNYL fentaNYL (addi	Total Volume (mL): 20, IV-CON tive) 1,00	ITINUOUS,	
		•= ह	PRN	fentaNYL fentaNYL (fenta	25 mcg = 2.5 mL, IV, SOLN-IV, aNYL (bol Titrate to target pain score les	, q1h, PRN ss than or e	
		<b>••</b>	PRN	fentaNYL fentaNYL (fenta	25 mcg = 2.5 mL, IV, SOLN-IV, NYL (bol Titrate to target pain score les	, q1h, PRN ss than or e	
		•= हर	Continuous	heparin heparin (additi	Total Volume (mL): 500, IV-COI ve) 25,00 Initiate as per Initial Infusion F	NTINUOUS Rate Nomo	
		720 20	DDNI	honorin	2 000 unit(c) = 60 mL IV SOLM	N-N/ ac die	Ň
Re	ady Med	to Scar ication A	n .dministration Wizard Help 🗹	About Medication Adm	2 of 2 inistration Wizard	Bac	c Sign

 Once the medication is signed, a 'Begin Bag' notation will appear on the MAR with the continuous infusion dose populated in mcg/hr.

fentaNVL (additive) 1,000 mcg [100 mcg/hr] premix sodium chloride 0.9% 100 mL Total Volume (mL): 100, IV-CONTINUOUS, 10 mL/hr, Start Date: 02/01/2025 12:08:00, 1.4 kg 10 to 200 mcg/hr Target Richmond Agitation Sedation Scale (RASS) minus 1 –	End Bag	Pending Last bag started: 2025-Jan-02 13:15 EST
Administration Information		Begin Bag 100 m
fentaNYL		100 mcg/hr Auth
premix sodium chloride 0.9%		

### v.1 Jan 2025 niagarahealth





v.1 Jan 2025

niagarahealth

## **TIP SHEET** HOSPITAL INFORMATION SYSTEM (HIS)

### **DOCUMENTING A DOSE CHANGE from the MAR**

- 10. If a fentaNYL dose change is required based on the ordered titration parameters, the following steps will be completed when documenting from the MAR.
  - a. Double click on the MAR task (circled)



- b. A pop up window will appear (see right).
- c. Select the 'Rate Change' option
- d. Enter the new dose in the 'fentaNYL Dose' field, and select mcg/hr in the units drop down menu. Once the accurate dose is entered, a new rate (mL/hr) will calculate.
- e. Complete all required fields, then press 'Apply' to confirm the dose change.

Charting for:	festcovid, one	×
🗸 🚫 🔲		
fentaNYL (addi	tive) 1,000 mcg [100 mcg/hr] + premix sodium chloride 0.9%	100 Change Order Version
mL Total Volume (mL): 10 to 200 mcg/hr T	100, IV-CONTINUOUS, 10 mL/hr, Start Date: 17/12/2024 13:29:00, 1.4 kg arget Richmond Agitation Sedation Scale (RASS) minus 1 – minus 2	
• •	2025-Jan-02 02:19 EST - 2025-Jan-03 02:19 EST	
	2025-Jan-02 14:17 EST	
Begin Bag Site Change	Bag # 1 CVAD: Purple Lumen	
Bolus Rate Change	10 mL/hr	
<ul> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> </ul>	fentaNVL (additive) 1,000 mcg/100 mL premix sodium chloride 0.9% 100 mL	Change
*Performed date	/ time : 02/Jan/2025	Comment
*Perfor	ned by: NHS Test01, Nurse	Clear
*Witne	ised by :	Apply
	*Bag #: 1	
*Rate	(mL/hr): 12.5	
*fentaN	/L Dose : 125 mcg/hr ~	Rate Chang
		In Progress

- f. If documenting a dose change within the MAR, an alert will populate that the change does not match the ordered (initial) rate.
- g. Verify that the dose change aligns with the ordered titration parameters. Press 'Yes' to continue.



h. Once the alert is confirmed, Press the  $\checkmark$  to sign for the dose change.



4





### **DOCUMENTING a FENTANYL INFUSION HOLD**

- 11. If a fentaNYL infusion is required to be stopped or 'on hold' for a period of time based on Prescriber order/parameters, complete the steps for Documenting a Dose Change from the MAR.
- 12. Enter a dose of 0 mcg/hr to document that the infusion has been stopped/on hold.

#### MAR Charting Window

Charting for:	TESTCOVID, ONE				×
✓ ♥   ■ ig := fentaNYL (addi mL	itive) 1,000 mcg [10	0 mcg/hr] ⊣	+ premix sod	lium chloride 0.9% 100	Change Order Version
Total Volume (mL): 10 to 200 mcg/hr1	100, IV-CONTINUOUS, Target Richmond Agitat	10 mL/hr, Star ion Sedation !	t Date: 02/01/2 Scale (RASS) mi	025 12:08:00, 1.4 kg nus 1 – minus 2	
4 F	202	25-Jan-02 02	:04 EST - 202	5-Jan-03 02:04 EST	↓ ▶
	2025-Jan-02 13:15 EST	2025-Jan-02 13:37 EST	2025-Jan-02 13:54 EST		
Begin Bag Site Change Infuse	Bag # 1 CVAD: Purple Lumen				
<ul> <li>Bolus</li> <li>Rate Change</li> <li>fentaNYL</li> </ul>	10 mL/hr 100 mcg/hr	12.5 mL/hr 125 mcg/hr	0 mL/hr 0 mcg/hr		
<ul><li>✓ Yes</li><li>✓ Yes</li><li>✓ Yes</li><li>✓ No</li></ul>	fentaNYL (addition premix sodium c	ve) 1,000 mcg hloride 0.9% 1	/100 mL 100 mL		Change
*Performed date *Perfor	e / time : 02/Jan/202 med by : NHS Test01	5 🔹 🗸	1404	EST	Comment
*Witne	*Bag #: 1			9	Apply
*Rate *fentaN	(mL/hr): 0 YL Dose : 0	mcg/hr	~	1	
	L				Rate Change







**TIP SHEET** HOSPITAL INFORMATION SYSTEM (HIS)

### **DOCUMENTING A FENTANYL BOLUS via INFUSION PUMP**

- 13. If a fentaNYL bolus dose is required based on the ordered parameters, the following steps will be completed.
  - Double click on the MAR task circled below in the PRN fentaNYL (bolus from bag) order on the MAR

PR PR	25 mcg
fentaNYL (fentaNYL (bolus from bag))	Not given
25 mcg = 2.5 mL IV, SOLN-IV, g1h, PRN pain, First Dose	within 5 days.
02/01/2025 12:08:00	
Titrate to target pain score less than or equal to 3 out	
fentaNYL	
Pain Scale Used	
Pain Score Obtained	
Respiratory Rate	
Prepared By	
Med Response	

- b. The administration charting window will appear (see right). Confirm the ordered bolus dose (mcg) has populated correctly.
- c. Press the ✓ to sign for the bolus dose administration.

Charting for: TESTCOVID, ONE     S	×
TentaNVL (fentaNVL (bolus from bag)) 25 mcg = 2.5 mL, IV, SOLN-IV, g1h, PRN pain, First Dose: 02/01/2025 12:08:00 Titrate to target pain score less than or equal to 3 out of 10	6
*Performed date / time : 02/Jan/2025 * 1428 * EST *Performed by : NH45 Test01, Nurse * *Witnessed by :	
Medication not given within the last 5 days.	
Pain Scale Used:	
*fentaNYL:         25         mcg         Volume:         2.5         ml           Diluent: <none>         ml         ml           *Route:         IV         Site:             Reason:         pain               Total Volume:         2.5         Infused Over:         0             1300 EST         2025-Jan-02         2025-Jan-02         2025-Jan-02         2025-Jan-02         2025-Jan-02           2.5         1500 EST         1500 EST         1700 EST         1800 EST         1800 EST</none>	Þ
□ Not Given Reason :  ✓	
Comment	

PRN PRN PRN	Med Response	25 mcg
fentaNYL (fentaNYL (bolus from bag)) 25 mcg = 2.5 mL, IV, SOLN-IV, q1h, PRN pain, First Dose: 17/12/2024 13:29:00 Titrate to target pain score less than or equal to 3 out		Last given: 2025-Jan-02 14:41 EST
fentaNYL	(	* 25 mcg Auth (V
Pain Scale Used		
Pain Score Obtained		
Respiratory Rate		
Prepared By		
Med Response		

d. Once signed, the dose administered will appear on the MAR.

v.1 Jan 2025

niagarahealth



6