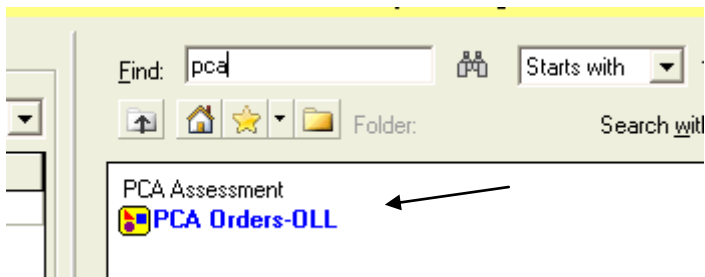


## Patient Controlled Analgesia, PCA Powerplan

1. Click “+Add” type in “pca”, select PCA Orders, and click. “Done” (to close the search box).



Select all the 4 Notify provider orders per hospital policy on paper orderset.

PCA Orders-OLL (Initiated Pending)		
Nursing Orders		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notify Provider Start Date T;N, for respiratory rate less than 10 and/or SpO2
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notify Provider Start Date T;N, if patient falling asleep mid-sentence, unexp
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notify Provider Start Date T;N, Sedation scale is 4, and SpO2 is less than 9
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Notify Provider Start Date T;N, if pain control is not effective (eg. patient co
Patient Controlled Analgesia-PCA Mode		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N, q4h
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Must select the following BOTH orders for High Risk Patients. Risk factors include: Obes
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N, q1hr, 8, hr, for High-Risk patients, then may
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N+480, q4h
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select the below option for patients with extenuating circumstances: when RN administer
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N, q1hr, Cognitively intact, but physically unable
Patient Controlled Analgesia-Continuous		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Must select the following THREE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N+180, q4h
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Must select the following THREE (3) orders for High Risk Patients. Risk factors include: I
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N, q30min, 2, dose/time(s)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N+60, q1hr, 8, hr, for High-Risk patients, then n
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PCA Assessment Start Date T;N+540, q4h

High Risk: select all orders, PCA vs Continuous mode

Medications in the IV solutions area contains the “Continuous” drip.

Medications in the “Med” section contains the patient controlled bolus and lockout interval. Always select the corresponding med and IV solution , morphine to morphine

IV Solutions	
<input type="checkbox"/>	<input checked="" type="checkbox"/> Sodium Chloride 0... 50 mL/hr, 1,000 mL, IV Infusion
Select one of the below orders for a continuous/basal opioid infusion	
Pharmacy will dispense a 250ml bag for all continuous infusions prescribed at a rate equal to or greater than 5 ml/hr.	
Doses should be adjusted for BMI less than 18.5 or greater than 30, hx of asthma or sleep apnea, concurrent use of meds metabolized through the CYP450 or questions/assistance.	
<input type="checkbox"/>	<input checked="" type="checkbox"/> morphine 30 mg/NS 30 mL PCA I.V. mg/hr, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, 30 mL, IV Infusion, Routine, for 168 hr Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice) Continuous/Basal rate: usual dose range 0.5 - 4 mg/hr
<input type="checkbox"/>	<input checked="" type="checkbox"/> fentaNYL 300 mcg/NS 30 mL PC... mcg/hr, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, 30 mL, IV Infusion, Routine, for 168 hr fentaNYL: concentration = 10 mcg/mL Continuous/Basal rate: usual dose range is 10 - 50 mcg/hr
<input type="checkbox"/>	<input checked="" type="checkbox"/> Dilaudid 30 mg/NS 30 mL PCA I.V. mg/hr, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, 30 mL, IV Infusion, Routine, for 168 hr HYDROmorphone (Dilaudid®): concentration = 1mg/mL PCA Continuous/Basal rate: usu dose is 0.2 - 2mg/hr
Medications	
Doses should be adjusted for BMI less than 18.5 or greater than 30, hx of asthma or sleep apnea, concurrent use of meds metabolized through the CYP450 or questions/assistance	
<input type="checkbox"/>	<input checked="" type="checkbox"/> morphine (Morphine PCA 1 mg/mL) mg, Injection, IV Push, mg, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, for 168 hr Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice) Loading dose: suggested 2 - 4 mg PCA (Bolus) Dose: sug
<input type="checkbox"/>	<input checked="" type="checkbox"/> fentaNYL (fentaNYL PCA) mcg, injection, IV Push, mcg, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, for 168 hr Fentanyl: concentration = 10 micrograms/mL Loading dose: suggested 25 - 50 mcg PCA (Bolus) Dose: suggested 10 - 25 mcg L
<input type="checkbox"/>	<input checked="" type="checkbox"/> HYDROmorphone (Dilaudid PCA) mg, Injection, IV Push, mg, Hold for SBP less than 90, Hold for HR less than 60, Hold for RR less than 10, for 168 hr Hydromorphone (Dilaudid®): concentration = 1mg/mL Loading dose: suggested 0.4 - 0.8 mg PCA (Bolus) Dose: suggested 0.1 -

HPAR OLL; 940; 07 FIN:9913280005 Admit: 08/10/2011 09:38 EDT					
IV Solutions					
			morphine 30 mg + Sodium Chloride 0.9% 30 mL	Order	08/12/2011 17:07 EDT mg/hr, Morphine
Medications					
			morphine (Morphine PCA 1 mg/mL)	Order	08/12/2011 17:07 EDT mg, Injec Morphine

▼ Details for morphine 30 mg + Sodium Chloride 0.9% 30 mL

Details | Continuous Details | **Order Comments** | Offset Details

---

Order details +  Detail values

**Basal Rate**

**Basal Rate Unit** [mg/hr]

Loading Dose

Loading Dose Unit

Hold for SBP less than [90]

Hold for HR less than [60]

Hold for RR less than [10]

**Route of Administration** [IV Infusion]

Pharmacy Order Priority [Routine]

**Start Date/Time:** [08/12/2011 17:07 EDT]

Duration

Duration Unit

Stop Type [Soft Stop]

Stop Date/Time:

Put in the number 1 here.

This is the continuous morphine drip order. It is asking for a Basal Rate. Hints Regarding the correct answer can be found in the order comments tab. (see below)

1 mg/mL

EDT

▼ Details for morphine 30 mg + Sodium Chloride 0.9% 30 mL

Details | Continuous Details | **Order Comments**

---

Order comments

Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice)

Continuous/Basal rate: usual dose range 0.5 - 4 mg/hr

**Medications**

morphine (Morphine PCA 1 mg/mL) Order 08/12/2011 17:07 EDT mg Mo

**Details for morphine (Morphine PCA 1 mg/mL)**

Order Comments

Remaining Administ

Order details

**Dose [ mg ]**

**Drug Form [Injection]**

**Route of Administration [ IV Push ]**

Frequency [ PRN ]

**PRN Reason [Pain]**

Loading Dose

Loading Dose Unit

**Lock-out Interval**

Lock-out Interval Unit [minute(s)]

**4-hour Limit**

4-hour Limit Unit [mg]

Detail values

Custom Dose

mg

Common Doses

- 1 mg
- 0.5 mg
- 1.5 mg
- 2 mg

This is the patient controlled portion of the PCA. Asking for Loading Dose, Lockout Interval, 4 hour limit. (Hint: click on Order Comments (see below). Answer as you see clinically fit. All values selected or enter on the RIGHT.

**Details for morphine (Morphine PCA 1 mg/mL)**

Order Comments

Order comments

Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice)

Loading dose: suggested 2 - 4 mg

PCA (Bolus) Dose: suggested 1 - 2 mg or 1/2 of hourly rate

Lockout Interval: suggested 8 - 12 minutes

Continuous rate: usual dose range 0.5 - 4 mg/hr

Four Hour Maximum: can be programmed up to 30 mg; includes basal and bolus

To do a continuous morphine drip. Simply only select the continuous IV solution morphine. DO NOT select the Patient controlled analgesia order. You must still remember to select all the 4 Notify provider orders and the IV fluid at 50 ml/hr. This is needed for IV pump function. (as seen on page 145).

**IV Solutions**

- Sodium Chloride 0... 50 mL/hr, 1,000 mL, IV Infusion
- Select one of the below orders for a continuous/basal opioid infusion
- Pharmacy will dispense a 250ml bag for all continuous infusions prescribed at a
- Doses should be adjusted for BMI less than 18.5 or greater than 30, hx of asth

**Medications**

- morphine 30 mg/NS 30 mL PCA I.V. mg/hr, Hold for SBP less than 90, Hold for HR less than 100 Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice)
- fentaNYL 300 mcg/NS 30 mL PCA I.V. mcg/hr, Hold for SBP less than 90, Hold for HR less than 100 fentaNYL: concentration = 10 mcg/mL Continuous rate
- Dilaudid 30 mg/NS 30 mL PCA I.V. mg/hr, Hold for SBP less than 90, Hold for HR less than 100 HYDROMORPHONE (Dilaudid®): concentration = 1 mg/mL

Doses should be adjusted for BMI less than 18.5 or greater than 30, hx of asth

- morphine (Morphine PCA 1 mg/mL) mg, Injection, IV Push, mg, Hold for SBP less than 90 Morphine Sulfate: concentration = 1 mg/mL (preferred drug of choice)
- fentaNYL (fentaNYL PCA) mcg, Injection, IV Push, mcg, Hold for SBP less than 90 Fentanyl: concentration = 10 micrograms/mL Load
- HYDROMORPHONE (Dilaudid PCA) mg, Injection, IV Push, mg, Hold for SBP less than 90 Hydromorphone (Dilaudid®): concentration = 1mg/