

# COMPASS Update

## Tips & Tricks

### COMPASS Improvements Made November 9-15

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#### For all Medical Practitioners Regardless of Specialty

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## Blood Gas Analysis Changes on Nov. 9 2011

### Rationale:


- To respond to the Respiratory Therapy Department's request for accurate ordering to improve workflow
- Addition of Respiratory Therapy POC equipment.
- To streamline e-order entry process for the clinician.

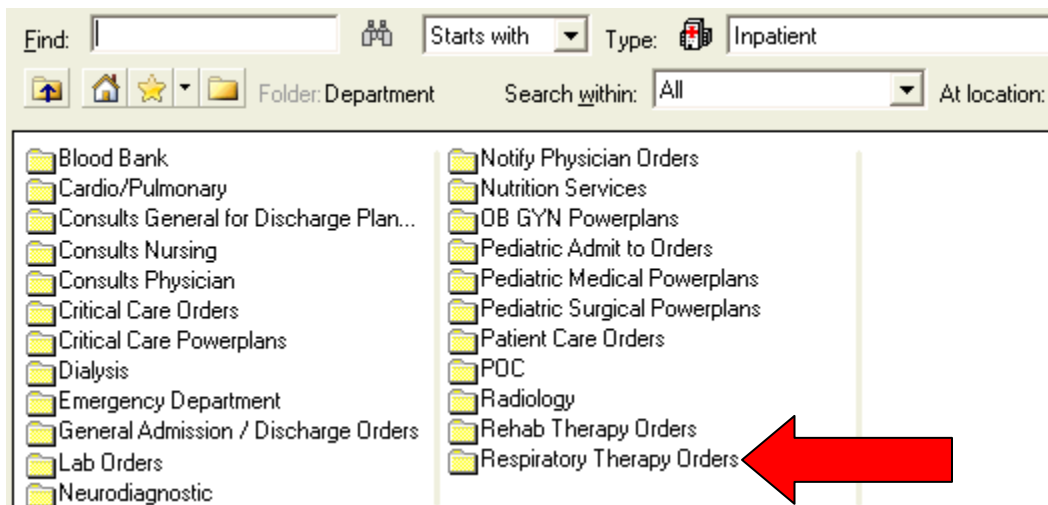
### Key Points

- Blood gas orders are available as single orders and within PowerPlans
- Viewable blood gas orders vary by site

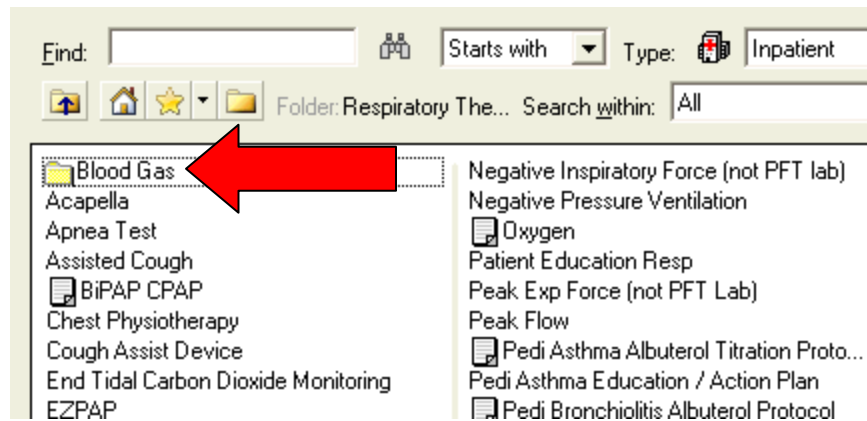
### Summary of the Change:

#### Single Orders

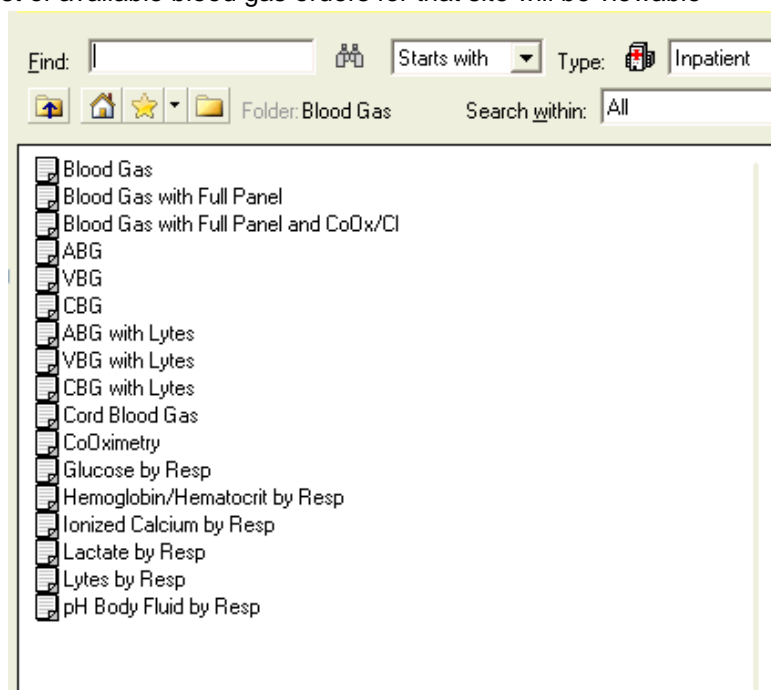
- Steps to ordering a blood gas:
  - Select appropriate blood gas order
  - Select the appropriate order sentence
  - **Modify** the order sentence within the **order entry details** window, if needed
- A new folder within the **Respiratory Therapy Orders** folder has been created to find all available blood gas orders
  - Select  Add
  - Select the **Respiratory Therapy Orders** folder




- Select the **Blood Gas** folder



- o A list of available blood gas orders for that site will be viewable



- Reference text  has been added to provide the clinician information on which labs can be run using the Benchtop Analysis and/or the POC (Epoc) Analysis equipment (if applicable)

Reference

ABG

CarePlan information Chart guide Nurse preparation

**Blood Gas Order Reference Text**

Chloride and Co-Oximetry cannot be performed through POC analysis

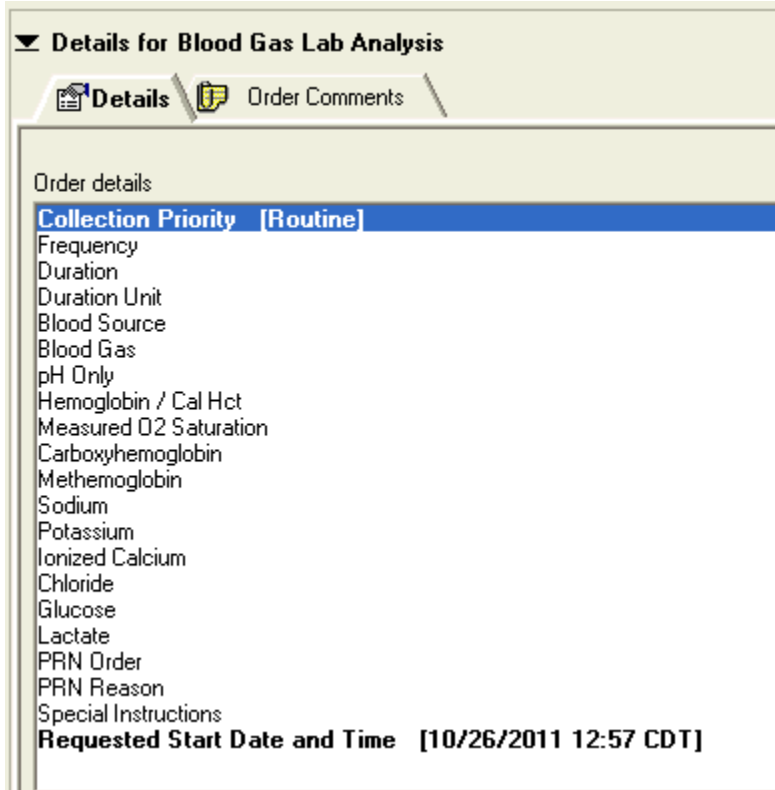
Benchtop Analysis  
 Blood Gas  
 Sodium  
 Potassium  
 Ionized Calcium  
 Chloride  
 Hemoglobin / Hematocrit  
 Measured O2 Saturation  
 Carboxyhemoglobin  
 Methemoglobin  
 Glucose  
 Lactate

POC (Epoc) Analysis  
 Blood Gas  
 Sodium  
 Potassium  
 Ionized Calcium  
 Hemoglobin / Hematocrit  
 Glucose  
 Lactate

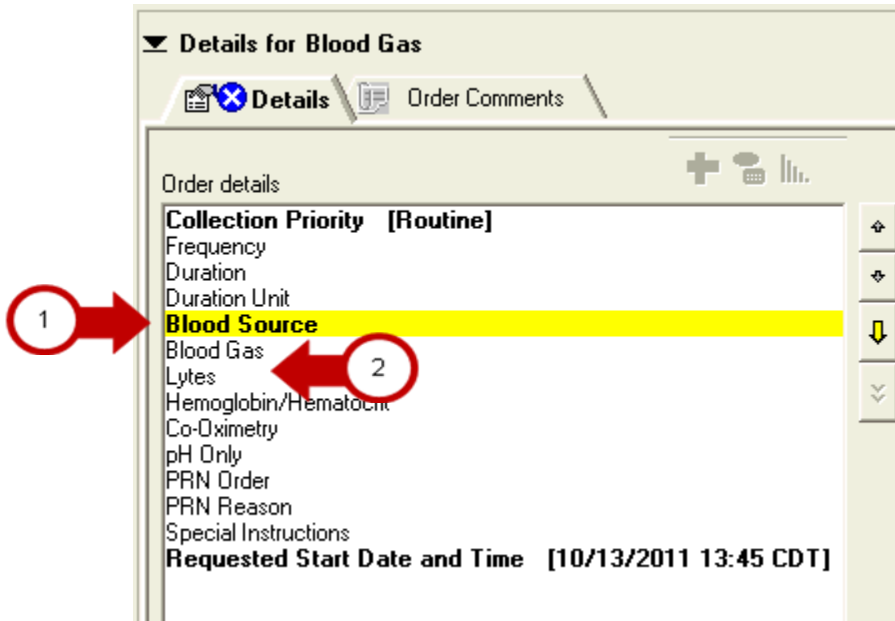
- All blood gas orders will have order sentences available for a more simplified workflow.
- Order sentences are built to contain the synonym of the order selected
  - Example:
    1. **ABG** order selected
    2. Order Sentences available will auto-populate **Arterial** as the **Blood Source**

- The **order entry details** window will have a different format.
  1. If **(None)** is selected as an order sentence, **Blood Source** will now be a required field
  2. When selecting **Lytes** and/ or **Co-Oximetry**, you must address in detail window. They have multiple selection details.

Before:



After:



PowerPlans

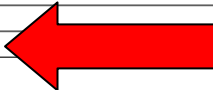
- Below is a list of all PowerPlans affected by these changes:

A-V Fistula/Thrombectomy Orders	ED Trauma ALERT
Bronchoscopy OUTPATIENT	ED Trauma Pediatric
Bronchoscopy	ED Vomiting/Diarrhea/Dehydration
CABG/Open Heart PostOp ICU/IMC	Fever/Neutropenia Admission to Med/Surg Pediatric
CABG/Open Heart PreOp	ICU General Admission
Diabetes Admission to Med/Surg Pediatric	Induced Hypothermia Post Cardiac Arrest Protocol
Diabetic Ketoacidosis/Hyperosmolar Hyperglycemic State (DKA/HHS)	Initial Organ Donation
Dyspnea/Shortness of Breath	Kinetic Therapy
ED Alcohol Withdrawal Syndrome	Major Thoracic Surgery Admission Med/Surg or PICU Pediatric
ED Chest Pain	Naloxone (Narcan) NURSING ORDERS Only
ED Coagulopathy Head Trauma Alert	Pancreatitis Acute
ED Cough/Asthma/Croup Pediatric	Pneumonia CAP, Over 28 days of Age Admission to Med/Surg Pedi
ED Cough/Dyspnea	Seizures Admission to Med/Surg Pediatric
ED DKA Pediatric	Sepsis Protocol
ED Female Abdominal/Pelvic Pain	Syncope and Collapse
ED Flank Pain	Transfer from ICU
ED Intubation Protocol Pediatr	Trauma Admit
ED Intubation Protocol	Trauma Cases Admission to Med/Surg or PICU Pediatric
ED Male Abdominal/Testicular Pain	Tumor Lysis Syndrome Management Protocol Pediatric
ED Nausea/Vomiting/Diarrhea/Dehydration Pediatric	VATS/Thoracic Surgery PostOperative Orders

- If the blood gas orders are currently located under the **Respiratory Therapy** category, then those orders will be moved to the **Laboratory** category

Before:

Respiratory Therapy	
<input type="checkbox"/> <input checked="" type="checkbox"/>	Protocol Resp: Evaluate and Treat
<input type="checkbox"/> <input checked="" type="checkbox"/>	Nasotracheal Suctioning (NTS (Nasotracheal Suctioning)) PRN Order
<input type="checkbox"/> <input checked="" type="checkbox"/>	Oxygen In-Patient Protocol
<input type="checkbox"/> <input checked="" type="checkbox"/>	Blood Gas Lab Analysis (ABG by Resp Care) Arterial, PRN, respiratory distress



After:

Blood Gases	
<input type="checkbox"/> <input checked="" type="checkbox"/>	Blood Gas Stat collect, Arterial, Blood Gas, PRN Order Other (see order comment), Respiratory Distress
<input type="checkbox"/> <input checked="" type="checkbox"/>	Blood Gas AM collect, Arterial, Blood Gas, Respiratory Distress

- ED PowerPlans, listed above, will have blood gas order sentences default to **full panels** (excluding Chloride, Carboxyhemoglobin and Methemoglobin)
  - Modify the order as needed to include Chloride, Carboxyhemoglobin and Methemoglobin

Example:

<input type="checkbox"/>	Blood Gas	Stat collect, Arterial, Blood Gas, Sodium   Potassium   Ionized Calcium   Glucose   Lactate, Hemoglobin / Hematocrit	...
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5. Non-ED PowerPlans will have an additional order sentence in the ellipse to include **full panels** (excluding Chloride, Carboxyhemoglobin and Methemoglobin)

**Before:**

<input checked="" type="checkbox"/>	Blood Gas Lab Analysis	AM collect, Arterial, Blood Gas	...
<input type="checkbox"/>	Blood Gas Lab Analysis	AM collect, AM collect, Arterial, Blood Gas	
<input type="checkbox"/>	Blood Gas Lab Analysis	AM collect, AM collect, Arterial, Blood Gas, Hemoglobin / Cal Hct, Measured O2 Saturation, Carboxyhemoglobin, Meth	
<input type="checkbox"/>	Osmolality Serum	Blood, AM c	<       >

**After:**

<input checked="" type="checkbox"/>	Blood Gas	Stat collect, Arterial, Blood Gas	...
<input type="checkbox"/>	Blood Gas	Stat c	
<input type="checkbox"/>	Blood Gas	Stat collect, Arterial, Blood Gas, Sodium   Potassium   Ionized Calcium   Glucose   Lactate, Hemoglobin / H	
<input type="checkbox"/>	Cortisol	Blood	
<input type="checkbox"/>	Urinalysis with Microscopic	Urine	<       >

- a. Use the ellipse option to choose the appropriate order
- b. Modify the order as needed

## FAQ: How to Handle Dosage Calculator Pop Ups When Initiating a Power Plan

### Rationale:

- Education requested
- To ensure that the weight based drug dose remains as the prescribing practitioner intended when planning the orderset.

### Summary of the Change:

- N/A already in PROD

### Key Points: (if necessary)

- When initiating the order set, nurses should **not change the dose and should not select “apply dose”**.
- Select **“cancel”** to close the dose calculator and retain the dosing information as entered by the provider.
- When a nurse “Initiates” a previously planned order set with **weight based** medications, the Dosage Calculator window opens for each weight based medication contained within that plan.
- The Dosage Calculator displays:
  - 1) Target dose-- dose per weight parameter
  - 2) Calculated dose -- the calculation based on the target dose and patient weight
  - 3) Reduced dose-- window that allows clinicians to adjust calculated dose
  - 4) Final dose—the dose the clinician has chosen for the patient.
- These fields help the clinician to determine how to correctly order a weight-based drug.

Dosage Calculator ampicillin

1) Target dose: 50 mg/kg

2) Calculated dose: 500 mg

3) Reduced dose: 500 mg 100 %

4) Final dose: 1,000 mg

Dose Forms: ampicillin

- ampicillin 1 gm injection
- ampicillin 10 gm injection
- ampicillin 125 mg injection
- ampicillin 125 mg/5 ml oral liquid
- ampicillin 2 gm injection
- ampicillin 250 mg injection
- ampicillin 250 mg oral capsule
- ampicillin 250 mg/5 ml oral liquid
- ampicillin 500 mg injection

Reference Data

Date of birth: 01/08/1997 (14 Years)

Gender: Female

Height: cm

Actual weight: 10 kg

Adjusted weight: 10 kg

Serum creatinine: mg/dL

CrCl (est.): mL/min

Body surface area: m2

Source: Manually entered

Source: 02/22/2011 15:06 10.000 kg

Adjustment: Actual (no adjustment)

Source: Manually entered

Algorithm: Schwartz - full term Missing data

Algorithm: Mosteller Missing data

Formulae...

~~Apply Dose~~ Cancel

Select this button to close the window and save the clinician's planned dose.

## FAQ: How do I Order Durable Medical Equipment

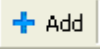
### Rationale:



- Education requested.
- To encourage use of Prescription Writer in COMPASS

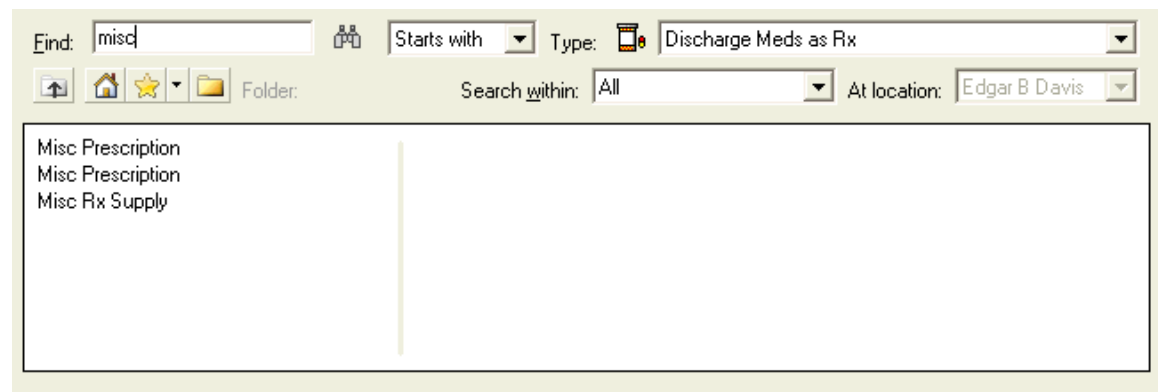
### Summary of the Change:

- N/A

### Key Points: (if necessary)

1. From the **Menu** view or **Orders** view, click the  button.
2. Change the **Catalogue** from “Inpatient” to “Discharge Meds by Rx”.

*Note:* The icon changes from  to .



4. Select the **Misc Prescription** or **Misc Rx Supply**. These are synonyms for same order.
5. A message box appears → Click **OK**.



*Note:* Pharmacy cannot check for drug-related interactions with miscellaneous prescriptions.

6. Close the Orders window.

7. Enter type of DME or Rx supply in Drug name field.

Misc Rx Supply (walker) Order 10/27/2011 4:42 CDT walker, See Instructions, As Directed, 1 each, 0, 0

▼ Details for Misc Rx Supply (walker)

Details Order Comments

Order details

Substitutable Orders

**Drug Name [walker]**

Dose [See Instructions]

Route of Administration [See Instructions]

Frequency [See Instructions]

PRN

Duration [See Instructions]

**Special Instructions [As Directed]**

**Dispense Quantity [1]**

**Dispense Quantity Unit [each]**

Detail values

walker

8. Enter “See Instructions” for Dose. Note that Route & Frequency will auto-populate with same information.

9. Enter “As Directed” for Special Instructions. If you want to note any special instructions for use of the DME, free text that information here.

10. Enter number of devices in Dispense Quantity, e.g. 1.

11. Enter “each” in Dispense Quantity Unit.

12. You must complete all required yellow fields.

13. Click **Sign** and **Refresh**.

14. Print the prescription, sign, and give to nurse or case manager who will use to obtain DME for patient.

This same process for may be used for ordering diabetic home supplies (lancets, insulin syringes, etc.) or home oxygen, home nebulizers, etc.

## Artificial Airway Order Changes on Nov. 15 2011

### Rationale:

- To create a shared workflow for Nursing and Respiratory Therapy with respect to artificial airway orders

### Summary of the Change:

- Trach Weaning** and **Reposition Endotracheal tube** orders moved from Nursing Orders category to Respiratory Therapy category

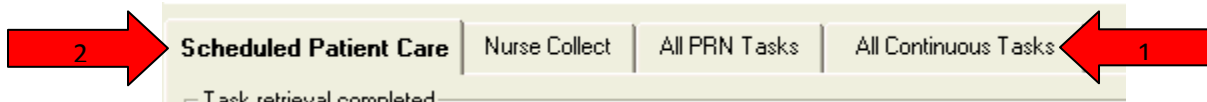
### Before:

Nursing Orders				
<input type="checkbox"/>		Reposition Endotracheal tube	Order	08/24/2011 15:27 CDT Advance ET Tube 2 cm
<input type="checkbox"/>		Trach Weaning	Order	08/24/2011 15:27 CDT Downsize to 6CFS on 8/25, Continuous Order

### After:

Respiratory Therapy				
10/20/2011 13:55 CDT	<input checked="" type="checkbox"/>		Trach Weaning	Ordered Downsize to 6 CFS on 8/25., Continuous Order
10/21/2011 11:48 CDT	<input checked="" type="checkbox"/>		Reposition Endotracheal tube	Ordered Advance ET Tube_2_cm

- Nursing and Respiratory Therapy will receive notification of new orders via the **PAL**
- Artificial airway orders will be a shared **Task** for both Nursing and Respiratory Therapy



- Trach Weaning** is a continuous order and can be found under the **All Continuous Tasks** tab
- Reposition Endotracheal tube** is a one-time order and can be found under the **Scheduled Patient Care** tab