

12. Orders Basics

Orders Overview

Orders is a management solution tailored specifically for clinicians. An integral part of *Cerner PowerChart*, Orders presents a view of the ordering process in a display similar to the Flowsheet. Orders also handles medications and continuous infusion orders.

The Orders component of a patient chart streamlines order modification with an edit-on-the-line feature and provides access to patient allergies and diagnoses from the order window. Orders incorporates ambulatory and prescription ordering so that you can use this one component for all your patient ordering needs across all venues of care – inpatient, ambulatory, and prescriptions.

Before generating a new Order, familiarize yourself with the general features of Orders so that you understand its capabilities.

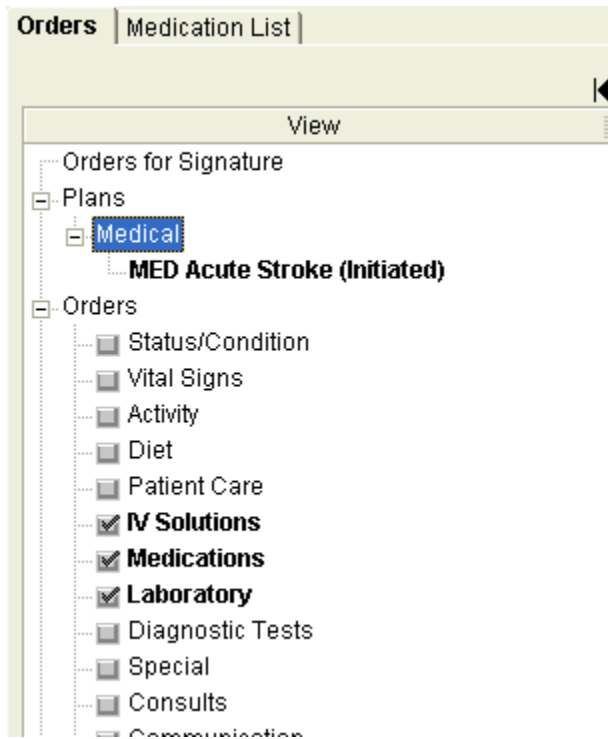
Orders Organization

Select Orders from the patient chart menu. The Orders section is organized into two sections: the Navigator and the Orders Documentation Area.

The screenshot displays the Cerner Orders application window. On the left side, there is a 'Navigator' pane with a tree view containing categories like 'Orders for Signature', 'Plans', 'Medical', 'MED Acute Stroke (initiated)', 'Orders', 'Status/Condition', 'Laboratory', 'Diagnostic Tests', 'Special', 'Consults', 'Communication', 'Respiratory Care', 'Cardiology', 'Radiology', 'Non Categorized (DO NOT DIC)', 'Care Sets', 'Medication History', and 'Reconciliation History'. A red box labeled 'Navigator' highlights this area. The main window shows a table of orders with columns for 'Order Name', 'Status', and 'Details'. A red box labeled 'Orders Documentation Area' highlights the table content. The table lists various medications such as aspirin, vitamin E, calcium-vitamin D, multivitamin with minerals, heparin, propafenone, ibuprofen, FLUoxetine, albuterol/ipratropium, and sodium chloride. At the bottom, it indicates 'Displayed: All Active Orders | All Inactive Orders'.

Orders Navigator

The Orders Navigator is organized so that you can quickly access your existing orders and any related information you need. The navigator is organized into sections so that you can View orders, Diagnoses and Problems, or Related Results. Selecting one of these sections displays related items in a tree that you can expand or collapse using the + or - signs. For example, when selecting View Orders, the navigator groups orders for signature by Plans; types of Orders such as consults, vital signs, IVs, diagnostic tests, and so on; Medication History; and Reconciliation History.



You can expand or collapse the entire navigator pane by using the arrows located on the navigator.



Orders Documentation Area

Selecting an order from the navigator displays the order in the documentation area.

Component	Status	Details
MED Acute Stroke (Initiated) Last updated on: 04/13/2011 11:47 EDT by: Test, Physician2		
Status/Condition	Observation Admission Status	Ordered 04/13/11 11:46:00 EDT Status: Observation
Vital Signs	If patient will receive IPA, place Vital Sign (with BP parameters) & Neuro Check orders using MED Acute Stroke IV IPA	
	Vital Signs	Ordered 04/13/11 11:46:00 EDT, q1h
	Blood Pressure	Ordered 04/13/11 11:46:00 EDT, PRN order
Diet	Diet Powerplan	Initiated 04/13/2011 11:46 EDT
Medications	NO PO medications until patient passes the bedside swallow assessment	
	aspirin	Ordered 300 mg, PR, qDay, Routine, 04/13/11 10:34:00 EDT Indication: acute stroke
	clopidogrel (Plavix)	Ordered 75 mg, PO, qDay, Routine, 04/13/11 10:34:00 EDT Indication: acute stroke
	Venous Thromboembolism Prophylaxis:	
	Do NOT administer enoxaparin or heparin until after baseline laboratory results available	
	heparin	Ordered 5,000 unit(s), Subcutaneous, q8h, Routine, 04/13/11 10:34:00 EDT

Orders Toolbar Area

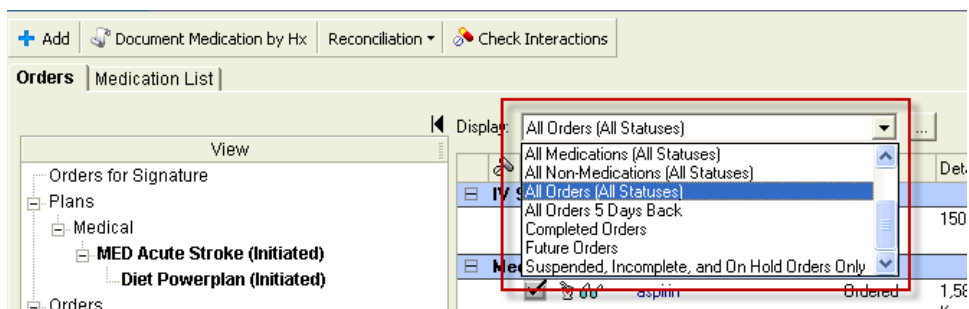
The Orders toolbar area displays the options for the current order being viewed or edited. It includes options to customize the columns of data displayed in the documentation area, and filters to limit or expand the orders displayed.

Applying Filters

The view of existing orders can be filtered to display selected statuses. A predefined set of orders filters are available, and a provider can create and save their own filter queries.

Use an Existing Filter

1. Navigate to the patient chart menu and select Orders.
2. Select a filter from the Display list in the Orders toolbar area. The filter applies to the active view.



Multum and Discern Alerts

Decision Support provides you with alerts and warnings concerning medications you are ordering for the patient. You might be interrupted with a Decision Support alert when you place a medication order or add a new drug allergy for a patient who is already taking the drug.

When a Decision Support alert opens, you must take action before you can proceed. Such actions include removing the new order, removing the order already on the patient’s chart, or entering an override reason.

Alert Types

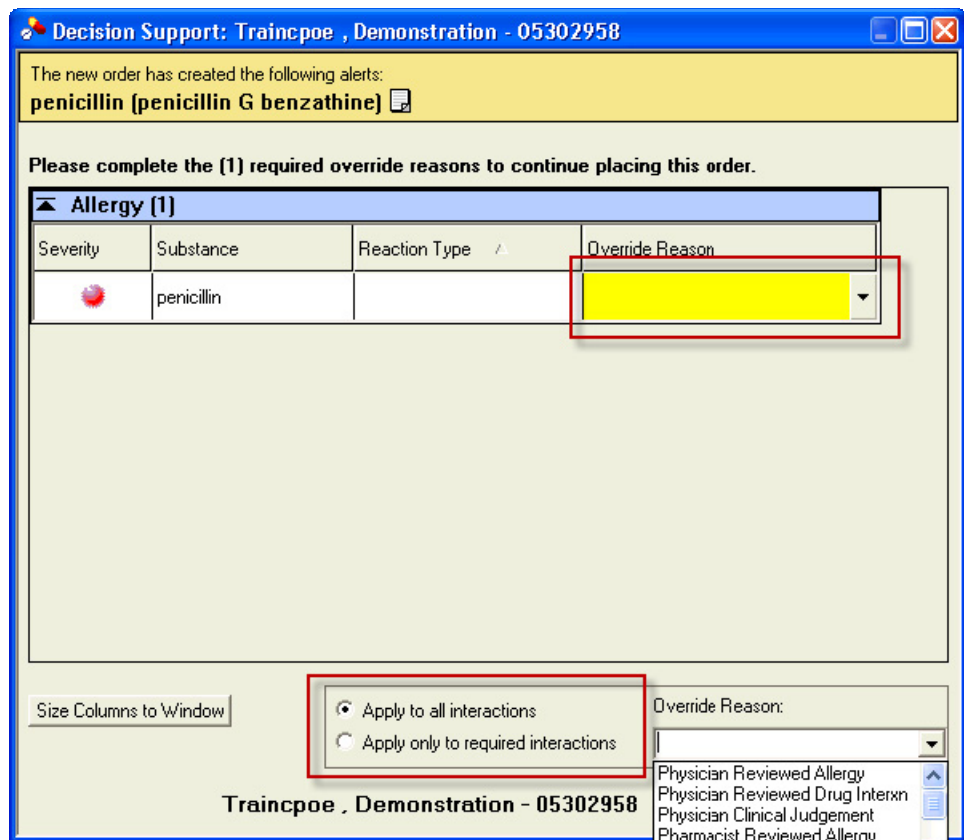
Each alert is displayed with a type and severity level. The following symbols represent alert types displayed in the Decision Support window:

	Therapeutic Duplication: This medication already has been prescribed for the patient.
	Food Interaction: This medication has a specific food restriction.
	Drug Interaction: This medication interacts with a drug already prescribed.
	Allergy Reaction: The patient has a recorded allergy to this medication.

Alert Severity Levels

Each alert is displayed with a type and severity level. The following symbols represent severity levels displayed in the Decision Support window:

○	Minor: This interaction poses a minimal threat to the patient's health.
▲	Moderate: This interaction poses a moderate threat to the patient's health and should be evaluated.
●	Major: This interaction poses a major threat to the patient's health and is not recommended. This category includes the <i>Cerner Multum</i> -recognized levels of Major-Generally Avoid, Major-Additional Contraception Recommended, Major-Adjust Dosing Interval, Major-Adjust Dose, and Major-Monitor Closely.
Ⓢ	Major: Contraindicated. This interaction poses such a major threat to the patient's health that it belongs to the highest severity level. This category includes the <i>Cerner Multum</i> -recognized level of Major-Contraindicated.



Tool Tips

The Orders documentation area is enabled to provide additional information about items using Tool Tips. Position your cursor over the icons or the text in the documentation area to view additional information about the relevant item.

Order Status Definitions

Order statuses reflect the stage of completion for an order that has been entered into the system. The status progresses from blank (before the entered order is signed it has no status) to Complete, Discontinued, or some other final status. Other statuses reflect certain order actions as explained below.

Order - The status of Order indicates that the order needs to be completed and signed.

Processing Ordered - After signing a new order, the order status is displayed as Processing. Clicking the Refresh button updates the system so that the status changes to Ordered.

Ordered - An order successfully entered and signed has a status of Ordered until the order is completed.

Incomplete - If an order is entered, but the user has not supplied all the necessary information, the order is entered into the system but has a status of Incomplete. Incomplete orders are rarely used.

Completed – A completed order has reached its defined stop date and time, or the associated tasks or procedures have been completed.

Pending Complete - Pending Complete is the status given to a parent order when one or more of the child orders (but not all) have been completed. Pending Complete also applies to a parent order that has reached its defined stop date and time but still has tasks that have not been completed.

Discontinued - An order with a frequency or interval associated with it can be discontinued after the procedure or medication has been administered at least once. The *Multum* drug interaction checking continues for Discontinued orders for their defined time frame.

Canceled - Any order can be canceled to stop immediately, but certain conditions might cause the status of some orders to go to Discontinued rather than Canceled. The Canceled status for orders with frequencies or intervals associated with them indicates that the first instance was never administered. No *Multum* drug interaction checking is performed on orders with a status of Canceled.

Voided With Results - An order is voided instead of canceled or discontinued to indicate that the order was placed in error, for example, on the wrong patient or for the wrong orderable. Without results, the order is not subject to drug

interaction checking. If the order has been carried out (has results), then it is subject to interaction checking.

Transfer/Canceled - Orders suspended because of a patient's temporary change of location can be given a Transfer/Cancel status. For example, the nursing orders for a patient sent to surgery are put in this status until the patient returns. Such orders can then be reactivated.

Suspended - Orders that have a frequency associated with them can be suspended and later resumed. If the order has a stop date and time that has been exceeded, it must be reentered instead of resumed.