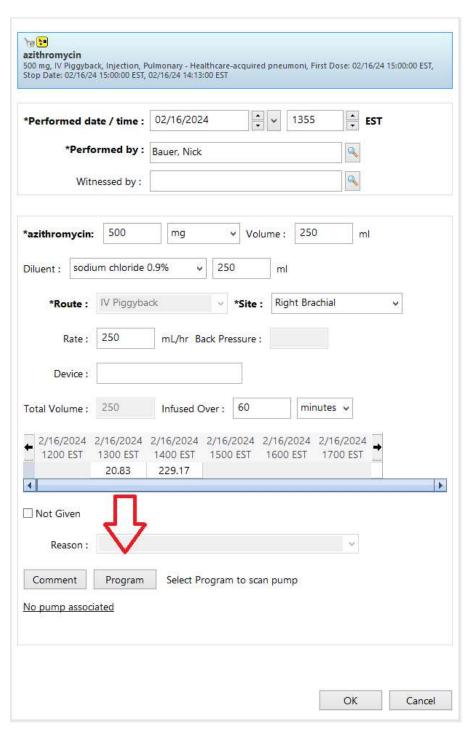
Explaining and Ensuring Interoperability Working with Guardrails Editor Data Set

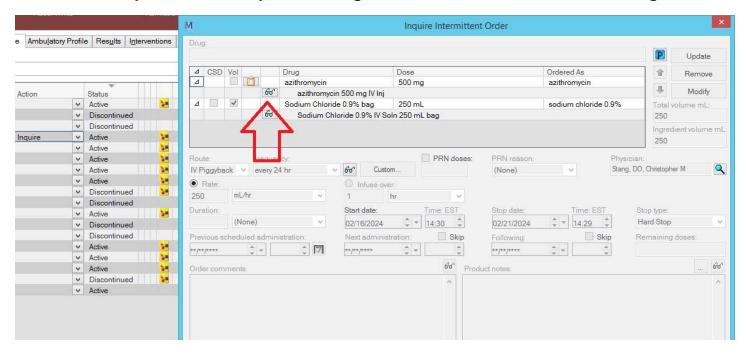
 Interoperability with the pumps works by programming the order data from Cerner directly into the Alaris pumps by associating the pump when the nurse is charting administration. This screen shows where the nurse does this in the administration charting process. This nurse will click Program on this screen to start the pump association:



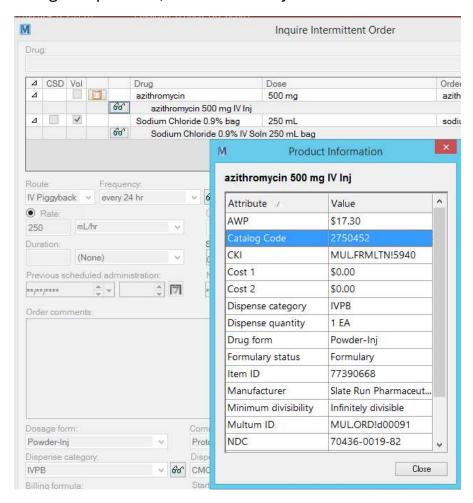
- After clicking that button, the nurse scans the barcode on the pump and all order information is automatically programmed.
- In order for the Guardrails Editor Data Set to match the drug with the same drug in Cerner, the correct "Alias" has to be put into the Data Set for both each drug and each concentration. The aliases are shown in the Master Drug List in Guardrails Editor:

Drug	Concentration	Used As	Aliases
azithromycin		Intermittent	
	250 mg / 250 mL (1 mg / mL)		2750452I
	500 mg / 250 mL (2 mg / mL)		2750452I
	mg / mL		2750452I

- The "Alias" in Guardrails Editor corresponds to the term Cerner uses called a
 "Catalog Code". A Catalog Code is unique PER DRUG and not per product (i.e. an
 acetaminophen rectal suppository and acetaminophen IV both have the same
 catalog code).
- To get the Catalog Code for a drug in Cerner, get to a screen where you're either inquiring or entering an order for that drug in Med Manager. Here shows an Inquire on azithromycin and where you click to get to the screen that shows a Catalog Code:

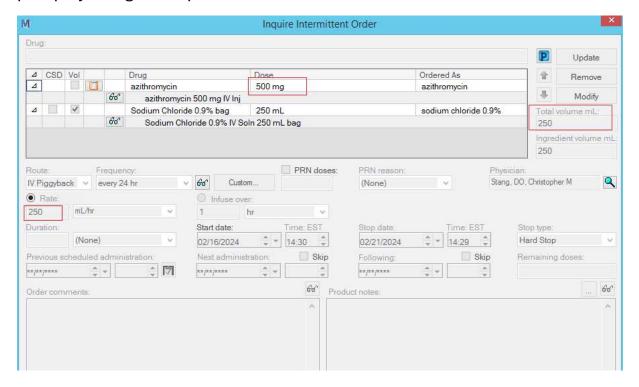


• This pops up a small window showing a lot of behind the scenes IDs that Cerner uses for that drug and product, but we are only interested in one for this:



- The Catalog Code shown here matches the Alias in Guardrails Editor with one difference. The Alias in Guardrails Editor has a capital I on the end of it.
- Guardrails Editor has three different categories of Aliases: continuous, intermittent, and fluids.

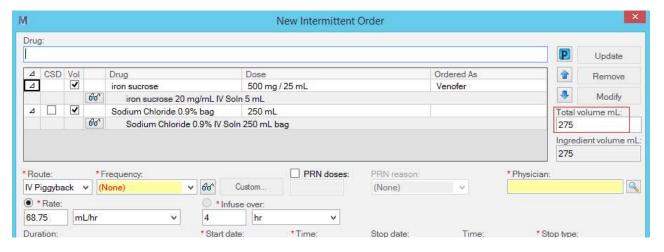
 INTERMITTENT aliases like this only receive the drug strength, total volume, and rate from Cerner. In this order, these fields from Med Manager are programmed into the pump by using the capital I at the end of the alias:



• This lets it match this specific drug and concentration in Guardrails Editor:

Drug	Concentration	Used As	Aliases
azithromycin		Intermittent	
	250 mg / 250 mL (1 mg / mL)		2750452I
	500 mg / 250 mL (2 mg / mL)		2750452I
	mg / mL		27504521

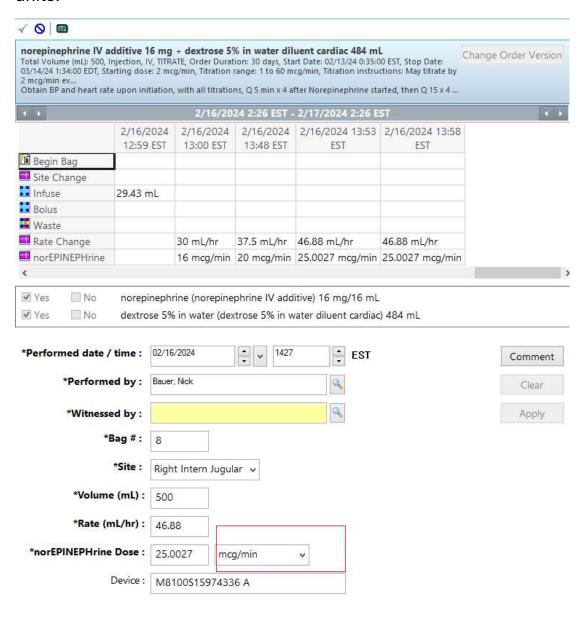
• The one thing to be careful of when entering concentrations into Guardrails Editor, is a drug that is a liquid that adds its own volume to the total volume, like this example:



 The total volume sent to the pump must match an entry for a concentration in your Guardrails Editor Data Set (unless you have a units only concentration like --- mg / --- mL active, then it will always match). Here is how that concentration for iron sucrose looks in Guardrails Editor:

Drug	Concentration	Used As	Aliases
iron s	sucrose	Intermittent	
	100 mg / 55 mL (1.8182 mg /		2761376I
	100 mg / 105 mL (0.9524 mg /		2761376I
	200 mg / 110 mL (1.8182 mg /		2761376I
	300 mg / 265 mL (1.1321 mg /		2761376I
	400 mg / 270 mL (1.4815 mg /		2761376I
	500 mg / 275 mL (1.8182 mg /		2761376I
	mg / mL	W.	2761376I

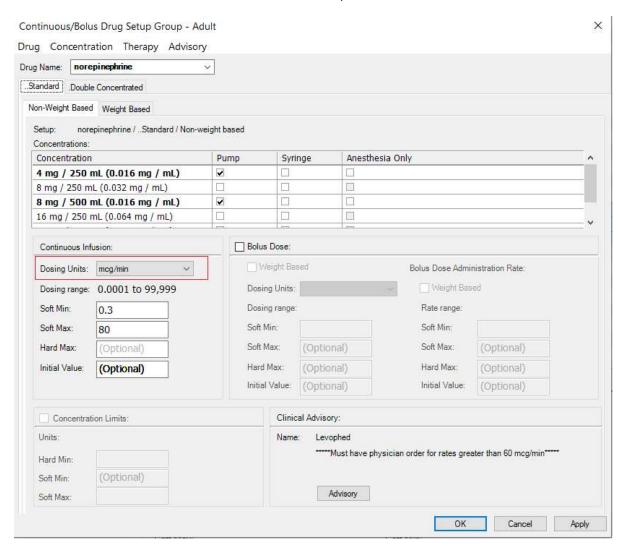
 CONTINUOUS aliases in Guardrails Editor receive a piece of information from Cerner that's not in Med Manager, but in the nursing charting screen, the dosing units:



M8100S15974336 A

Begin Bag

 In order for this to program the pump the pump, their documented units here need to match the units in Guardrails Editor, as shown here:



- The main difference between a CONTINUOUS alias in Guardrails Editor and a FLUID alias, is that a fluid only sends over the Rate from Cerner and nothing else.
- Generally, only actual (i.e. in real life) fluids, like normal saline or dextrose, but is
 also useful if you only want the pump to be programmed to an entry only by the rate
 where the dose/amount of the drug does not matter for the pump. An example
 would be a Bicarb Drip, where the main concern from the pump isn't how many mg
 of sodium bicarbonate there is, but how fast the bag is being given:

Fluids	Supports Secondary	Aliases	
Bicarb Drip	Yes	2768888F	
Blood (RBCs)	No		