

## Medication – decision support

### Medication Management

#### Quick reference guide

PowerChart has multiple decision support alerts built in to aid in decision making and help flag potential errors.

**Note:** Decision support will not prevent the user from performing an action.  
Clinical judgement must be applied at all times.

#### Mandatory Indication field

Communicates why a medication has been prescribed.

#### Order Sentences

Order sentences are the required details attached to an order, including the medication name, strength, form, dose and frequency.

Order sentences help the ordering clinician by completing these required fields, therefore streamlining the medication ordering process, and increasing patient safety by minimising errors.

If the available Order sentences available do not exactly match what you require, select the Order sentence that is close as possible and the details can be modified prior to signing.

#### Dose Range Checks

Dose Range Checks (DRC) have not been assigned to all medications. Prescribers must exercise clinical judgment. Alert may fire if the maximum recommended single or total daily dose for a medication is exceeded. You will be prompted to **Cancel** the order, **Override Alert** or **Modify** the order. Note, alert will only work if patient's weight is recorded within the last 7 days.

**Note:** Dose Range Checks will not function for medications prescribed using the taper function (e.g. Steroids), variable dosing (e.g. insulin caresets), or continuous infusions.

#### Duplicate Order Checking

Ensures different users do not chart the same drug by accident.

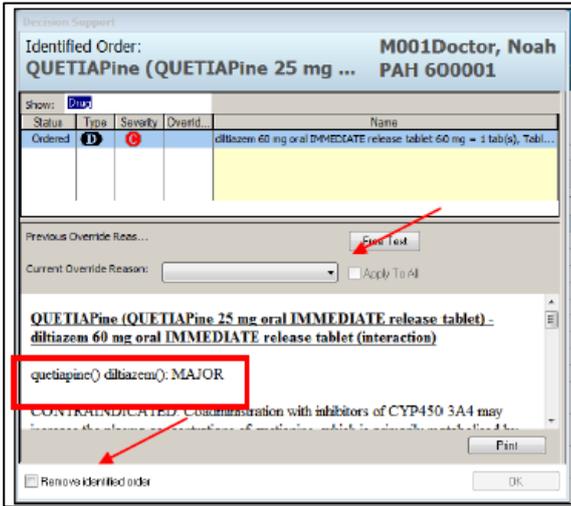
You will be prompted to **Remove Order** or **Override Alert**.



### Drug Interaction Checking

Warns users if different charted medications have an interaction when given together.

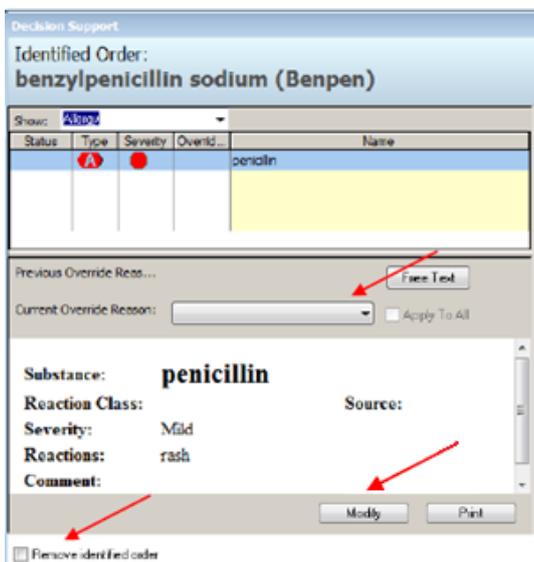
You will be prompted to **Remove Order** or **Override Alert**.



### Allergy Checking

Cross checks medication orders with documented drug allergies.

You will be prompted to **Remove Order** or **Override Alert** or **Modify** the Allergy.



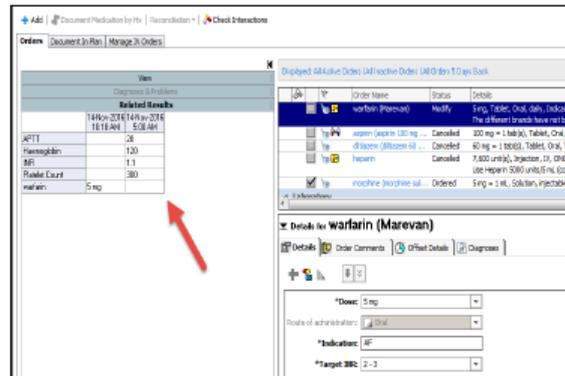
**Note:** This will not check food or substance allergies against medications.

### Renal Alert

When patient has been prescribed a nephrotoxic drug an alert will fire if the patient has results displaying mild, moderate or severe renal impairment.

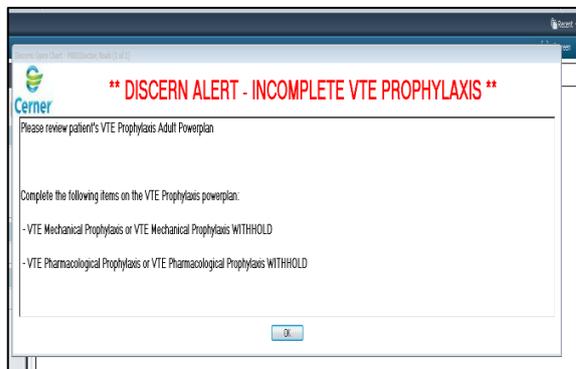
### Related Results

Shows laboratory results and last previous dose of medication.



### Custom Rules

Created with specific rules i.e. this alert will trigger until VTE Prophylaxis is addressed.



## Early/Late decision support

Notifies the clinician if a medication is being administered early or late, and requires a reason to be documented.

**Early/Late Reason**

**metformin (metformin 500 mg oral IMMEDIATE release tablet)**  
 500 mg = 1 tab(s), Tablet, Oral, start: 01/31/17 8:00:00 AEST, Indication: diabetes  
 To be taken with or soon after food.

Scheduled date/time : 31-Jan-2017 08:00 AEST  
 Performed date/time : 30-Jan-2017 14:41 AEST

Please specify a reason why the medication is being documented early:

▼

- Accommodate discharge
- Empty stomach/with food
- Medication unavailable-contact pharmacy
- Nausea and vomiting
- New medication order
- Nil by mouth/fasting
- No access
- Order requires clarification
- Other - enter comment
- Patient absent/unavailable
- Refused by parent/guardian/family
- Refused by patient
- Schedule conflict

