

# Medication Ordering – Dose calculator for weight-based dosing

## Purpose

This document provides a concise reference for prescribers on how to order teicoplanin (loading and maintenance dose) using the dose calculator and applying weight based dosing. It highlights key actions, system behaviours, and clinical considerations to support safe and efficient prescribing.

## Audience

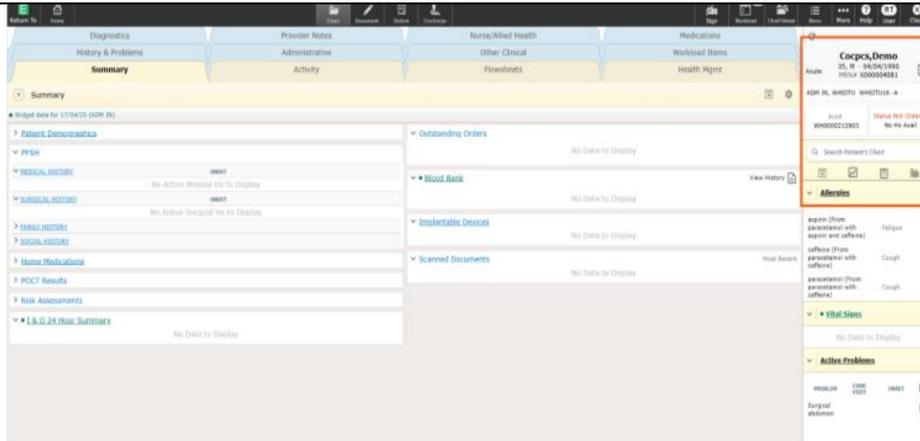
Doctors, Nurses, Clinical Pharmacists

## Version Control

Version	Date	Author	Changes Made
1.0	23-Oct-2025	Le-Jhel Williams Christopher Meddings Medical Services	Initial draft

## Ordering Tip sheet - Dose calculator for weight-based dosing

This guide provides information on how to order teicoplanin (loading and maintenance dose) using the dose calculator and applying weight based dosing.

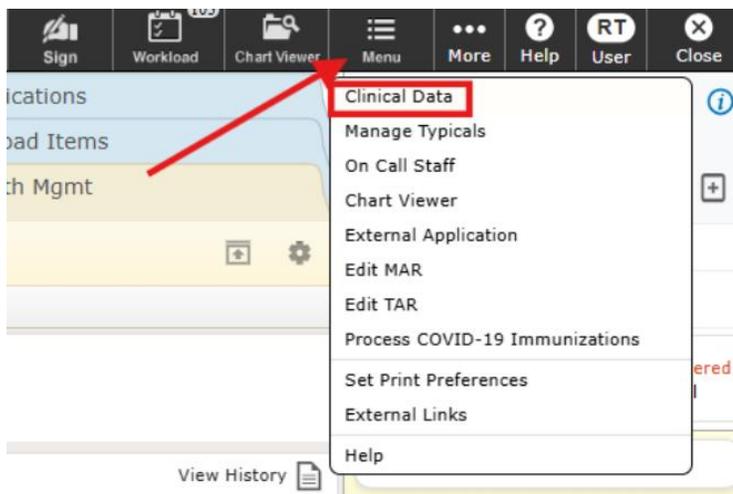


Before ordering any medications or infusions, prescribers must ensure key patient details are documented—specifically the patient's height, weight (including dosing weight), and allergy information.

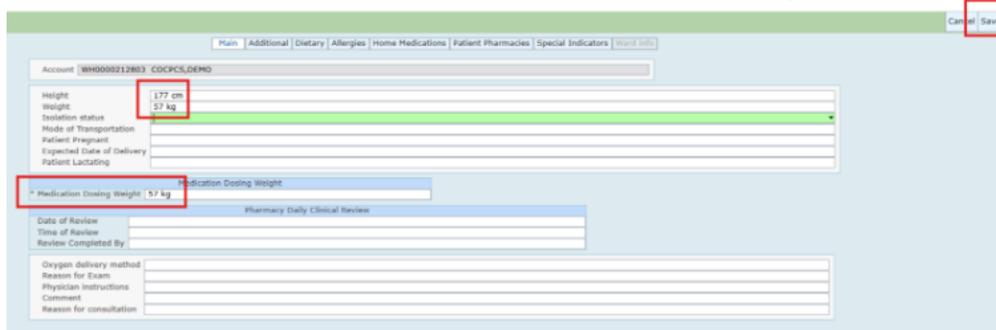
**N.B.** Medications cannot be ordered unless the patient's **height, weight,** and **allergy information** are recorded in the system.

On admission, nurses typically enter the patient's height and weight via the admission assessment. The weight recorded at this stage will automatically populate the **medication dosing weight field**.

To confirm if a medication dosing weight has been entered, go to **Menu > Clinical Data**.

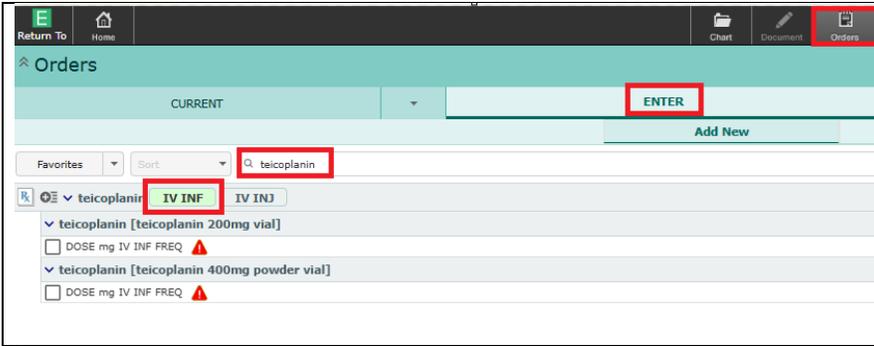


The **medication dosing weight** is used for all weight-based medication calculations, so it's essential this field is completed accurately.



If these details haven't been entered and prescribing is urgent, prescribers can manually input height and weight via the **Clinical Data** screen.

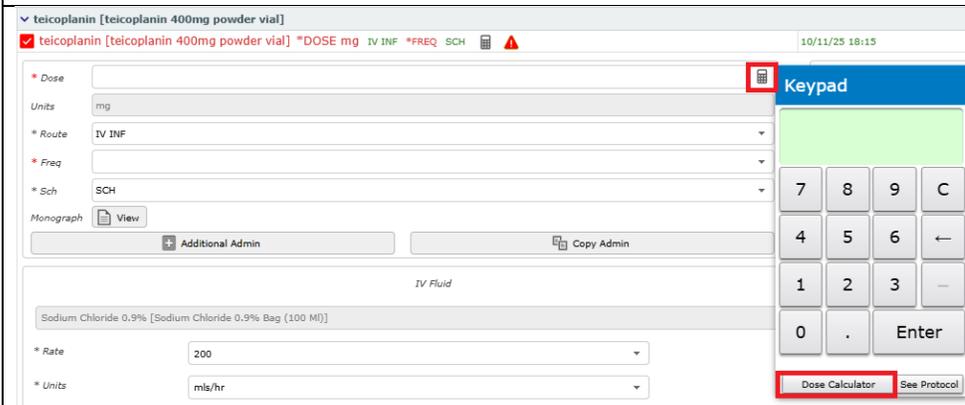
Prescribers may also adjust the medication dosing weight **at their clinical discretion** by updating the value directly in the dosing weight field.



Click **Orders > Enter** type in Teicoplanin in the search bar and select the **'IV INF'** button. Then select one of the Teicoplanin order string options



Select the appropriate **Clinical Indication** from the drop-down box. Then select the red chevron  to see all details.



**Loading dose:** Select the calculator icon then select the **'Dose Calculator'** button.

**Dose Calculator**

teicoplanin [teicoplanin 400mg powder vial] \*DOSE mg IV INF  
Start: 10/11/25 18:45 Stop:

\* Dosing Amount: 6 MG \* For: kg m² IV INF

IV Fluid: sodium chloride 0.9% bag (100 mL) 200 mls/hr

Height: 157 cm

\* Weight: Dosing Weight 56 kg

Dosing Weight: kg

Calculated Dose: MG

Round to Nearest:

\* Select Dosing Formula

- Actual Body Weight
- Ideal Body Weight
- Adjusted Body Weight

Enter the **Dosing Amount** and select the appropriate weight metric (highlighted in green).

kg = unit/kg dosing  
m² = body surface area dosing

Select the appropriate body weight type in the **Select Dosing Formula** drop down box so that the system can calculate the appropriate dose based on the weight.

Note the dosing weight calculations are fixed

Review the **Final Dose** field and click the **Save** button to proceed.

### Ideal Body Weight Formula: Devine Formula

#### Ideal Body Weight Formulas

**Devine** - height is in inches, results in kg

(male) IBW = 50 + 2.3(in-60)

(female) IBW = 45.5 + 2.3(in-60)

### Adjusted Body Weight Formula

$[(\text{Actual Bodyweight} - \text{Ideal Body Weight}) \times 0.4] + \text{Ideal Body Weight}$

teicoplanin [teicoplanin 400mg powder vial]

teicoplanin [teicoplanin 400mg powder vial] 336 mg IV INF EVERY 12 HOURS SCH 11/11/25 06:00

\* Dose: 336

Units: mg

\* Route: IV INF

\* Freq: EVERY 12 HOURS

\* Sch: SCH

Monograph View

Additional Admin Copy Admin

\* Start Date: Tue Nov 11

\* Start Time: 06:00

Stop Date

Stop Time

Days

Total Doses: 3

Notify Add/View

Change the **Frequency** field to **Every 12 hours** and complete the **Total Doses** field.

Click on **Additional Admin** to add the maintenance dose.

teicoplanin IV INF IV INJ

teicoplanin [teicoplanin 200mg vial]

DOSE mg IV INF FREQ

teicoplanin [teicoplanin 400mg powder vial]

DOSE mg IV INF FREQ

Select the **'IV INF'** button then select one of the Teicoplanin order string options.

teicoplanin [teicoplanin 400mg powder vial] 336 mg IV INF OD SCH

11/11/25 06:00

\* Dose: 336  
Units: mg

\* Route: IV INF

\* Freq: OD

\* Sch: SCH

Monograph View

Additional Admin Copy Admin

IV Fluid

Sodium Chloride 0.9% [Sodium Chloride 0.9% Bag (100 ML)]

\* Rate: 200

\* Units: mL/hr

\* Volume Per Bag: 100 ml

\* Start Date: Tue Nov 11

\* Start Time: 06:00

Stop Date

Stop Time

Days

Total Doses

Notify Add/View

**Maintenance dose:**

Follow the same steps as above and change the **Frequency** to Once a day.

Change the **Start Date and Start Time** so that the maintenance dose is started after the loading doses have been completed. Clear the Total Doses field.