

Updates implemented on Dec. 8th, 2025 to Medication Management RX

Change to units for some medications

There was a change made to some medications as part of the July MSP updates that were made on Monday Dec 8th, 2025. The unit option now for some medications will be MG. This was done to mitigate issues with prescribing some medications and the accuracy of the prescription being sent to the pharmacy.

CalMHSA advised to check the Unit options when you are prescribing to make sure it is the correct MG or each for each of your medications.

When ordering a medication, it is advised to check the Unit field for the unit to make sure you are aware of the unit options. That way you can be sure you are ordering the correct dosage.

New Orders

When you are placing a new Order the mg will match what you selected and display correctly.

The screenshot displays a software interface for medication management. A dropdown menu is open, showing a list of medications with radio button selection options. The selected option is "trazodone 100 mg tablet". Below the dropdown, there are fields for "Drug" (Trazodone), "Dx/Purpose", "Instruction Text", and "Desired Outcome". A "Titrate..." button is visible, along with a "Recommended Pediatric Min/Max Daily Dose Strength: 0.5 mg/kg/day" note. At the bottom, a table shows the selected medication details:

Strength	Dose	Unit
100mg, Tablet, Oral	100	mg

Refills

For refills the dose field will be blank the first time you are refilling, then it will remember the number that was entered in there going forward.

For example, if you are trying to refill Trazadone the Dose field will be blank when you re-order.

The screenshot shows a medication entry form. At the top, 'Drug' is set to 'trazodone 100 mg tablet' and 'Dx/Purpose' is 'F43.10 - Posttraumatic stress disorder'. Below this, there are fields for 'Instruction Text', 'Desired Outcome', and 'Comment'. A 'Titrate...' button is next to a text box showing 'Recommended Adult Min/Max Daily Dose Strength: 25 mg - 600 mg'. The main table has columns: Strength, Dose, Unit, Frequency, and Rx Start. The first row shows '100mg, Tablet, Oral' for Strength, a blank 'Dose' field (highlighted in red), 'mg' for Unit, 'Once A Day At Bedtime As Nee' for Frequency, and '12/08/2025' for Rx Start. A 'More Steps' button is below the table. At the bottom, there are tabs for 'Medication List' and 'Formulary', and a table with columns: Medication Description, Date Initiated, Instruction, and Rx Start.

Then you need to enter the amount of MG's that you want to give. For example if you need the client to take 1-100 mg tablet you would put 100 in the Dose field. Since the unit next to it is MG this will indicate 100 MG

This screenshot is similar to the previous one, but the 'Dose' field in the table is now filled with the number '100'. The 'Unit' field next to it is 'mg'. The 'Dose' and 'Unit' fields are highlighted in red.

After you click insert, it will indicate on the instructions to take 1 tablet (100mg).

Medication List		Formulary				
		Medication Description	Date Initiated	Instruction	Rx Start	R
		trazodone 100 mg tablet	08/18/2023	Take 1 Tablet (100mg) By Mouth Once A Day At Bedtime As Needed	12/08/2025	0

Update to Med Management RX-Weight Based Dosage

Weight based Dose Calculator for clients under 18 years of Age

Functionality ‘Before’ and ‘After’ release: Before this release, the doses were not calculated for the selected medication based on the Client weight, and if the dose entered exceeds the Recommendation dosage the system was not alerting the user on the medication with high dosage being prescribed.

With this release, Weight based dose calculator is implemented which calculates the dose ranges for the medication based on weight of client.

The purpose of this release is to implement a weight-based dosage calculator in the SmartCare Rx application for pediatric clients. It dynamically computes medication dosages using client weight and validates them against FDB-defined min/max thresholds. If the calculated dose exceeds the recommended maximum, a Dosage Acknowledgement popup is triggered, requiring prescriber confirmation. This feature enhances clinical safety by integrating configuration-driven logic, unit compatibility checks, and audit logging for high-dose overrides.

Weight based Dose Calculator icon will be displayed in between Unit Field and Frequency field in the following Order screens.

- New Medication Order
- Re-Order Medication Order
- Add Medication (Not Ordered Locally)
- Change Medication Order

This icon is the Weight based Dose calculator.



New Medication Order

Test, Test (800019073), DOB/AGE: 11/18/2021 (3), Sex: M, Race: Black/African Americ

Order

☐ Send Directly to Pharmacy

Pharmacy

Prescriber Miller, Justin MD Medical Doctor DEA # A1232131 Order Date 10/01/2025 Prescribing Location Verbal Order Read Back ☐

Medication ☒ Permit Changes By Other Users

Drug Amoxicillin Dx/Purpose Active Coverage Dispense as Written ☐

Instruction Text Desired Outcome Comment Include On Prescription ☐

Titrate... Recommended Pediatric Min/Max Daily Dose Strength: 10 mg/kg/day - 100 mg/kg/day

Strength	Dose	Unit
250mg/5 mL, susr, oral	250	mg

More Steps

Medication List Formulary

Weight-Based Calculator

Medication: amoxicillin 250 mg/5 mL oral suspension Age: 3 Years (1413 days) Weight:

Weight 11.3379 kg 25 lb oz

Dose 10 mg/kg/day

Frequency Once A Day Days 5

Times per Day 1 Refills

Calculated Dose: 2.26758 Milliliters (113.379 mg) per Dose at Once A Day

Calculated Daily Total: Total 2.26758 Milliliters (113.379 mg) per Day

Min/Max Daily Range: Ages 90 - 2919 Days: 10 - 100 mg/kg/day

Apply Reset

Weight based Dose Calculator Examples

Dosing Calculator Non-Clickable if Over 18

New Medication Order

Test, Client_InRT1 (2105622), DOB/AGE: 5/7/2025 (0), Sex: M, Race: Alaskan Native

Order

☐ Send Directly to Pharmacy

Pharmacy: [Search]

PrintScript ☐ Print Drug Information ☐ Print Chart Copy

Printer: <Manual Selection>

Prescriber: Manjunath, Malipatil DEA #: [] Order Date: 08/01/2025 Prescribing Location: AMI House Verbal Order Read Back ☐

Medication ☐ Permit Changes By Other Users

Drug: Amoxicillin Dx/Purpose: [] Active Coverage: [] Dispense as Written ☐

Instruction Text: [] Desired Outcome: [] Comment: [] Include On Prescription ☐

Titrate... Recommended Pediatric Min/Max Daily Dose Strength: 10 mg/kg/day - 50 mg/kg/day

Strength	Dose	Unit	Frequency	Rx Start	Days	Dispense Qty	Potency Unit	Ref
250mg/5 mL, susr, oral	250	mg	[Icon]	08/01/2025	0		Milliliter	

More Steps

Medication List Formulary

- If the selected client is more than 18 years and the selected medication strength is mg/mL the weight-based dose calculator icon will be displayed, and hover functionality will be displayed.
- The icon will not be clickable, meaning the user cannot click it or access the Weight-Based Calculator popup.
- When the user hovers over the icon, a tooltip should appear displaying the exact mg to mL calculation without rounding.

Dosing Calculator Clickable if under 18

New Medication Order

Test, Test (800019073), DOB/AGE: 11/18/2021 (3), Sex: M, Race: Black/African Americ

Order

☐ Send Directly to Pharmacy

Pharmacy: [Search]

PrintScript ☐ Print Drug Information ☐ Print Chart Copy

Printer: <Manual Selection>

Prescriber: Miller, Justin MD Medical Doctor DEA #: A1232131 Order Date: 10/01/2025 Prescribing Location: [Select Location] Verbal Order Read Back ☐

Medication ☒ Permit Changes By Other Users

Drug: Amoxicillin Dx/Purpose: [] Active Coverage: [] Dispense as Written ☐

Instruction Text: [] Desired Outcome: [] Comment: [] Include On Prescription ☐

Titrate... Recommended Pediatric Min/Max Daily Dose Strength: 10 mg/kg/day - 100 m

Strength	Dose	Unit	Frequency	Rx Start	Days	Dispense Qty	Potency Unit	Ref
250mg/5 mL, susr, oral	250	mg	[Icon]					

More Steps

Medication List Formulary

Weight-Based Calculator

Medication: amoxicillin 250 mg/5 mL oral suspension Age: 3 Years (1413 days) Weight: []

Weight: 11.3379 kg 25 lb [] oz

Dose: 10 mg/kg/day

Frequency: Once A Day Days: 5

Times per Day: 1 Refills: []

Calculated Dose: 2.26758 Milliliters (113.379 mg) per Dose at Once A Day

Calculated Daily Total: Total 2.26758 Milliliters (113.379 mg) per Day

Min/Max Daily Range: Ages 90 - 2919 Days: 10 - 100 mg/kg/day

Apply Reset

- If the selected client is younger than 18 years and the selected medication strength is **mg/mL** the weight-based dose calculator icon will be displayed, and hover functionality will be displayed.
- The icon **WILL** be clickable, meaning the user **CAN** click on it to access the Weight-Based Calculator popup.
- When the user clicks on the icon it will open the Weight Based Calculator
- You can enter the wight in KG,LBS or ounces, the Frequency, Days and then it will calculate the dosage recommendation.

Weight based Dose Calculator Pop Up

Weight-Based Calculator

Medication: amoxicillin 250 mg/5 mL oral suspension Age: 3 Years (1413 days) Weight:

Weight: 11.3379 kg 25 lb oz

Dose: 10 mg/kg/day

Frequency: Once A Day Days: 5

Times per Day: 1 Refills:

Calculated Dose: 2.26758 Milliliters (113.379 mg) per Dose at Once A Day

Calculated Daily Total: Total 2.26758 Milliliters (113.379 mg) per Day

Min/Max Daily Range: Ages 90 - 2919 Days: 10 - 100 mg/kg/day

Apply Reset

- **Weight**-If the weight of the client does not automatically add, you can enter it in here.
 - If the weight needs to be updated for the permanent record it must be entered through the Vitals Flowsheet
- **Frequency**-The Frequency would need to be selected here to calculate the dosage
- **Days**-Would need to be entered
- **Refills**-Needs to be entered
 - The Calculations will show on the bottom section and Days are showed instead of years based on the Age of the client, **Ex. 15 Years (5800) days**

New Medication Order

Test, Test (800019073), DOB/AGE: 11/18/2021 (3), Sex: M, Race: Black/African Americ

Order

☐ Send Directly to Pharmacy Pharmacy:

PrintScript ☐ Print Drug Information ☐ Print Chart Copy

Printer: <Manual Selection>

Prescriber: Miller, Justin MD Medical Doctor DEA #: A1232131 Order Date: 10/01/2025 Prescribing Location: Select Location

Medication ☒ Permit Changes By Other Users

Drug: Amoxicillin Dx/Purpose: Active Coverage: Dispense as Written ☐ Save as Template ☐

Instruction Text: Desired Outcome: Comment: Include On Prescription ☐

Titrate... Recommended Pediatric Min/Max Daily Dose Strength: 10 mg/kg/day - 100 mg/kg/day

Strength	Dose	Unit	Frequency	Rx Start	Days	Dispense Qty	Potency Unit
200mg/5 mL sus, oral	158.73	mg	Once A Day	10/01/2025	7	27.78	Milliliter

- The Dosage and Dispense QTY will update based on the calculator
- If you are good with the update, you can insert the order

More Steps

Medication List Formulary

Medication Description	Date Initiated	Instruction	Rx Start	Rx End
amoxicillin 125 mg/5 mL oral suspension	10/01/2025	Take 6.3492 Milliliters (158.73mg) By Mouth Once A Day	10/01/2025	10/07/2025

- This will update the instruction text with the dosage and dispense information

Weight based Dose Alerts and Messages

The screenshot shows the 'New Medication Order' interface. A 'Weight-Based Calculator' pop-up is active, displaying the following information:

- Medication: amoxicillin 250 mg/5 mL oral suspension
- Age: 0 Years (89 days)
- Weight: 44.09 lbs (20 kg) (08/04/2025)
- Weight input fields: 20 kg, 44.09 lb, 0 oz
- Dose: 10 mg/kg/day
- Frequency: (dropdown)
- Days: (input)
- Times per Day: (input)
- Refills: (input)
- Calculated Dose: (displayed)
- Calculated Daily Total: (displayed)
- Min/Max Daily Range: Ages 30 - 89 Days: 10 - 50 mg/kg/day
- Buttons: Apply, Reset

- For Schedule II medications, each additional order entered will be submitted to the pharmacy as a separate script.

The screenshot shows the 'Weight-Based Calculator' with the following information:

- Medication: hydromorphone 4 mg/mL injection syringe
- Age: 15 Years (5803 days)
- Weight: 110.23 lbs (50 Kg) (08/01/2025)
- Weight input fields: 50 kg, 110.23 lb, 0 oz
- Dose: 22 mg/kg/day
- Frequency: (dropdown)
- Days: 5
- Times per Day: (input)
- Additional Orders: (input)
- Calculated Dose: (displayed)
- Calculated Daily Total: (displayed)
- Min/Max Daily Range: Ages 4380 - 6569 Days: 0.001 - 0.24 mg/kg/day
- Buttons: Apply, Reset

A red bold message is displayed: "This is outside the Min/Max Daily Range."

- If the entered Dose is outside the Min/Max Daily Range, the system will show a red bold message: "This is outside the Min/Max Daily Range."

The screenshot shows a 'Dose Acknowledgement' dialog box with the following text:

One or more of the Doses you are attempting to Prescribe exceeds the Recommended Max Daily Dose Strength.

☐ Acknowledge and Proceed

OK

Desired Outcome: dfvd

Comment: (empty)

Min/Max Daily Dose Strength: 10 mg/kg/day - 100 mg/kg/day

- A new **Alert** is implemented that will be triggered during prescription entry in the Rx Application in the Order screens when the selected medication dosage exceeds the maximum recommended dose based on the client's weight.
- This alert will require an explicit acknowledgement by the prescriber or staff before inserting the medication in the Order screens.