

Nursing Dosage Chart Cheat Sheet

Dosage conversion chart	
<p>Milligrams (mg) and micrograms (mcg)</p> <p>1 mg = 1000 mcg</p> <p>1 mcg = 0.001 mg</p>	<p>Grams (g) and milligrams (mg)</p> <p>1 g = 1000 mg</p> <p>1 mg = 0.001 g</p>
<p>Milliliters (mL) and drops</p> <p>1 mL = 20 drops (approximate for medical use)</p> <p>1 drop = 0.05 mL</p>	<p>Liquid volume: teaspoons, tablespoons, and milliliters</p> <p>1 teaspoon (tsp) = 5 mL</p> <p>1 tablespoon (tbsp) = 15 mL</p> <p>1 oz = 30 mL</p> <p>1 mL = 0.0338 oz</p> <p>1 mL ≈ 20 drops (medical approximation)</p>
<p>Liters (L) and milliliters (mL)</p> <p>1 L = 1000 mL</p> <p>1 mL = 0.001 L</p>	
IV drip rate formulas	
<p>Drops per minute</p> <p>$\text{Drops/min} = (\text{Total Volume in mL} / \text{Time in hours}) \times \text{Drop Factor}$</p> <p>Drop Factor: commonly 10, 15, 20, or 60 drops/mL</p>	<p>IV flow rate</p> <p>$\text{Flow Rate (mL/hr)} = \text{Total Volume in mL} / \text{Time in hours}$</p>
Dosage based on drug concentration	
<p>$\text{Dosage (mg)} = \text{Volume (mL)} \times \text{Concentration (mg/mL)}$</p>	
Infusion rate (for medications in infusion)	
<p>$\text{Rate (mL/hr)} = (\text{Desired Dose} / \text{Drug Concentration}) \times 60$</p>	
Pediatric dosage calculations	
<p>Based on weight:</p> <ul style="list-style-type: none"> Dosage (mg/kg/day) = (Patient's weight in kg) x (Dosage per kg) Divide total daily dosage into appropriate frequency: Dosage (mg/kg/day) / Frequency of administration 	
Body surface area (BSA) for dosage calculations	
<p>Mosteller formula:</p> <p>$\text{BSA (m}^2\text{)} = \sqrt{[(\text{Height in cm} \times \text{Weight in kg}) / 3600]}$</p>	

Additional notes