

# Nursing Dosage Chart Cheat Sheet

<b>Dosage Conversion Chart</b>	
<b>Milligrams (mg) and Micrograms (mcg)</b> 1 mg = 1000 mcg 1 mcg = 0.001 mg	<b>Grams (g) and Milligrams (mg)</b> 1 g = 1000 mg 1 mg = 0.001 g
<b>Milliliters (mL) and Drops</b> 1 mL = 20 drops (approximate for medical use) 1 drop = 0.05 mL	<b>Liquid Volume: Teaspoons, Tablespoons, and Milliliters</b> 1 teaspoon (tsp) = 5 mL 1 tablespoon (tbsp) = 15 mL 1 oz = 30 mL 1 mL = 0.0338 oz 1 mL ≈ 20 drops (medical approximation)
<b>Liters (L) and Milliliters (mL)</b> 1 L = 1000 mL 1 mL = 0.001 L	
<b>IV Drip Rate Formulas</b>	
<b>Drops per Minute</b> $\text{Drops/min} = (\text{Total Volume in mL} / \text{Time in hours}) \times \text{Drop Factor}$ Drop Factor: commonly 10, 15, 20, or 60 drops/mL	<b>IV Flow Rate</b> $\text{Flow Rate (mL/hr)} = \text{Total Volume in mL} / \text{Time in hours}$
<b>Dosage Based on Drug Concentration</b>	
$\text{Dosage (mg)} = \text{Volume (mL)} \times \text{Concentration (mg/mL)}$	
<b>Infusion Rate (For medications in infusion)</b>	
$\text{Rate (mL/hr)} = (\text{Desired Dose} / \text{Drug Concentration}) \times 60$	
<b>Pediatric Dosage Calculations</b>	
<b>Based on Weight</b>	
<ul style="list-style-type: none"> <li>Dosage (mg/kg/day) = (Patient's Weight in kg) x (Dosage per kg)</li> <li>Divide total daily dosage into appropriate frequency:                Dosage (mg/kg/day) / Frequency of administration:</li> </ul>	
<b>Body Surface Area (BSA) for Dosage Calculations</b>	
<b>Mosteller Formula:</b>	
$\text{BSA (m}^2\text{)} = \sqrt{[(\text{Height in cm} \times \text{Weight in kg}) / 3600]}$	

**Additional Notes**