Quick Med Math—Fentanyl

Important! Important! Important! Important! Important! Important!

- Fentanyl **must** be packaged as 100mcg in 2mL
- **Lbs.** must be utilized in the mathematical equation
- Final product is a push in **mL**

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THE MATH

1. TAKE THE PATIENT'S WEIGHT IN **LBS.**
2. SUBTRACT 10%
3. MOVE THE DECIMAL TO THE LEFT **2** PLACES
4. THIS WILL PROVIDE YOUR **ML** FOR FENTANYL PUSH.

Example # 1

Patient weighs 160 Lbs.

Needs pain management

160 x 10% = 16

160 - 16 = 144

Move the decimal 2 places

1.44 = 1.44mL of Fentanyl

Example # 2

Patient weighs 50 Lbs.

Needs pain management

50 x 10% = 5

50 - 5 = 45

Move the decimal 2 places

0.45 = 0.45mL of Fentanyl

Example # 3

Patient weighs 195 Lbs.

Needs pain management.

195 x 10% = 19.5

195 - 19.5 = 175.5

Move the decimal 2 places

1.76 = 1.76 mL of Fentanyl

Note: While the math is not exact when compared to the Dose x Volume / Concentration method, it does fall within hundredths of a milliliter comparatively. Making the difference when pushing the medication negligible.