



Tutorial: Dosage Calculation and Safe Medication Administration 3.0

Module: Dosages by Weight

Time Spent: 00:04:32

- Table of contents
- Dosages by Weight: Overview**
- Weighing clients
- Converting ounces to pounds
- Converting pounds to kilograms
- Converting ounces to pounds to kilograms
- Activity 1
- Dosage by mg/kg/day

Calculator

Case studies



A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?

(Review the MAR. Round the answer to the nearest tenth.)



49.1

Step 1

What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)



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Module: Dosages by Weight

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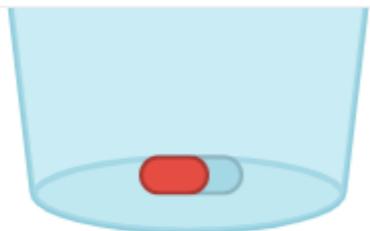
Time Spent: 00:06:39

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Close X



✓ 1



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Module: Dosages by Weight

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(Review the MAR and medication label. Round the answer to the nearest tenth.)



1.3



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Close X

A nurse is calculating the dosage of abacavir. How many milliliters should the nurse administer?



✓ 15



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A nurse is calculating the dosage of emtricitabine. How many milliliters should the nurse administer?

Emtricitabine
Oral Solution 10/mg/mL
170 mL Rx only

Each mL contains 10 mg emtricitabine.
See package insert for dosage and administration.

The oral solution should be used within 3 months if stored by patient at 25°C (77° F), excursions permitted to 15-30° C (59-86° F).
Keep container tightly closed.



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Tutorial: Dosage Calculation and Safe Medication Administration 3.0

Module: Dosages by Weight

Time Spent: 00:12:32

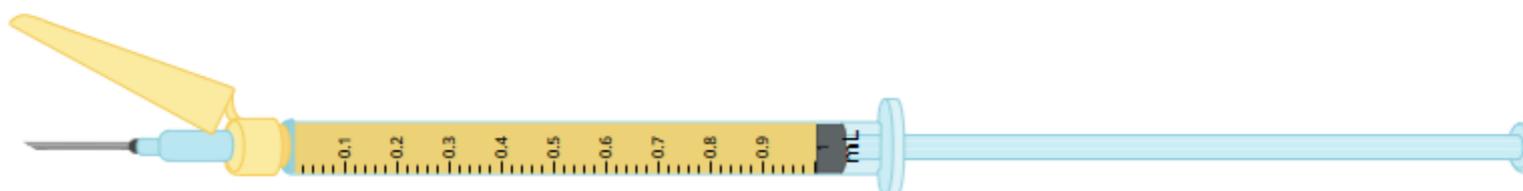
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Enfuvirtide for injection 90 mg/mL

Single-Use Vial
Each contains 108 mg of enfuvirtide to provide delivery of 90 mg.
For subcutaneous use after reconstitution.
Store at 25°C (77° F) before reconstitution, (see package insert.)
Usual dosage: See insert.
Reconstitute with 1 mL Sterile Water
Use immediately.



✓ 1



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Calculator

Case studies

Close X

- A Mix with 0.9% NaCl.
- B Use immediately.
- C Dilute with 2 mL fluid.
- D Final dilution is 90 mg/mL.
- E Store at 25° C (77° F) before mixing.
- F Use for subcutaneous injection.