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Urine output per kilogram

Core Nursing Essentials Nursing Calculations

Urine output in mL/kg/hour equals measured urine volume divided by weight in kilograms and the collection interval in hours. Interpret with age and clinical context.

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Introduction & key concepts

Urine output in mL/kg/hour equals measured urine volume divided by weight in kilograms and the collection interval in hours. Interpret with age and clinical context.

Nursing responsibilities

- Check identity, consent, the relevant observations and the purpose of the assessment.
- Record the finding, context and response using the approved clinical record.
- Escalate uncertainty or deterioration to the responsible professional; do not use a study note as a standing treatment order.

Clinical example & examination focus

In a viva, explain urine output per kilogram in your own words, identify the observations needed and state a limitation. Compare the finding with the patient's baseline rather than assuming one number or label gives a diagnosis.

Quick Revision

Urine output in mL/kg/hour equals measured urine volume divided by weight in kilograms and the collection interval in hours. Interpret with age and clinical context.

Frequently asked question

Can this summary replace practical training?

No. Use your prescribed learning material and the institution's current protocol with qualified supervision.

References & review status

- Nurses Content - original dimensional arithmetic (https://nurses-content-anatomy-sam.tamenewt4.chatgpt.site/essentials/calculators/) - Arithmetic test suite, 26 November 2026. Formula derivations and unit identities only; no clinical dose range is certified.

Sources checked for the stated scope on 26 November 2026. Original study synthesis; independent clinical review is not claimed. Source attribution is not a copyright-clearance certificate.

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