

Search for articles...

All Collections > FAQs and Troubleshooting > Drug Model Limitations

Drug Model Limitations

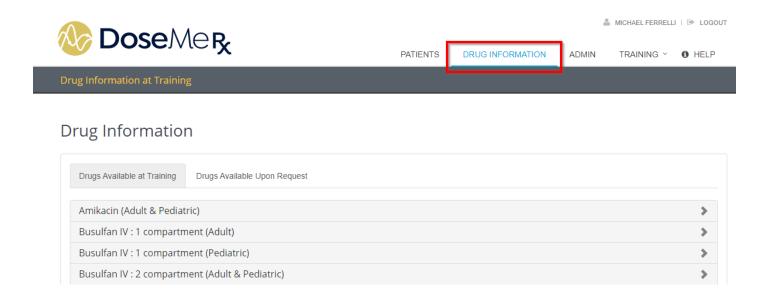
I am trying to add a drug course and the choice is grayed out



Written by Sharmeen Roy, PharmD, BCPS Updated over a week ago

Each drug model in DoseMeRx has a set of patient limits based on age, weight, and height. You may see the drug you wish to select greyed out if the patient does not fall into the model parameters.

To view these for each drug visit the 'Drug Information' tab when logged into DoseMeRx.



Click on the drug name to view the patient limits.

Vancomycin (Adult)



A one compartment first order elimination model with total body weight and creatinine clearance as covariates as described in Buelga et al. (2005) 2 ...

- Dose type: Infused
- Dosing weight type: TBW

Buelga, D. S., del Mar Fernandez de Gatta, M., Herrera, E. V., Dominguez-Gil, A., & García, M. J. (2005). Population pharmacokinetic analysis of vancomycin in patients with hematological malignancies. *Antimicrobial Agents and Chemotherapy*, 49(12), 4934–4941. http://doi.org/10.1128/AAC.49.12.4934-4941.2005

Hospital Limits

The following limits have been configured by your hospital. Please speak to your administrator or DoseMeRx support if you wish these altered for your hospital.

Dose Calculation Methods

- Individualized: Buelga DS, del Mar Fernandez de Gatta M, Herrera EV, Dominguez-Gil A, García MJ. Antimicrob Agents Chemother. 2005 Dec;49(12):4934-41.
- Guideline: Looke D and Pillans P. Metro South Health.
- Label: Baxter Healthcare. Vancomycin Label, FDA. Dec 2015. Accessed via https://www.accessdata.fda.gov/drugsatfda_docs/label/2015/050671s022lbl.pdf 27

Dosing Targets Enabled

- AUC: No
- AUC24: Yes
- Peak / Trough: No
- Peak / Trough with Extended Interval: No
- Peak Only: No
- · Trough Only: Yes
- Time Above MIC: No
- Time to Reach Trough: No
- Maximise Time in Range: No

Patient Limits

- Age: 18 100 years
- Height: 150 220 cm
- Weight: 40 200 kg

Dosing

Vancomycin dosing and serum concentration monitoring in adults ${\ensuremath{\mathbb{Z}}}$ on UpToDate

Vancomycin (Rx) Vancocin

on Medscape

Vancomycin ☑ on Epocrates

Indications Include

Vancomycin is active against

- Most gram-positive cocci and bacilli, including almost all Staphylococcus aureus and coagulase-negative staphylococcal strains that are resistant to penicillins and cephalosporins
- Many strains of enterococci (via a bacteriostatic mechanism)

Did this answer your question?









doseme-rx.com



