



All Collections > FAQs and Troubleshooting >

Vancomycin dosing in adults: complex, critically-ill (ICU patients)

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Two-compartment vancomycin model in DoseMeRx



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Updated over a week ago

The two-compartment vancomycin adult model implemented in DoseMeRx is derived from a retrospective study with a cohort of 1,812 patients. This model is particularly useful for AUC-based dosing as it models both the distribution and elimination phases of vancomycin.

Vancomycin dosing in critically-ill / ICU patients using our complex model

As this model fits a more complex pharmacokinetic curve, in order to get the best individual fit, two random lab results (not necessarily on the same dose) are most effective at individualizing the two phases for the patient using this model. The use of this model is highly recommended in complex patients already having multiple levels taken, such as those in ICU.

Related Articles

The articles below relate to the other vancomycin adult models available in DoseMeRx:

[Standard vancomycin \(one compartment\).](#)

[Intermittent hemodialysis \(two compartment\).](#)

To try all the vancomycin models available in DoseMeRx, [schedule a time](#) to discuss your free trial today!

Did this answer your question?



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