

Vancomycin Prescriber Standard Orders (for Adult & Non-Dialysis Patients)

*These orders are to be used as a guideline and do not replace sound clinical judgement and professional practice standards.
Patient allergy and contraindications must be considered when completing these orders.*

Automatically activated (If not in agreement with an order cross out and initial).
 Requires a check(✓) for activation

Allergies: Unknown No Yes (describe) _____

Height (cm): _____ Weight (kg): _____ Age (years): _____

Serum creatinine (sCr): _____ umol/L Stable Unstable Hemodialysis

INDICATION (for IV vancomycin): check (✓) appropriate boxes

For Hemodialysis patients:

Consult Manitoba Renal Program Order Set for empiric vancomycin dosing
(<https://www.kidneyhealth.ca/files/orders/W-00582.pdf>)

Suspected or Confirmed Organism:

- Treatment of MRSA
- Treatment of Enterococcus

AND (one of the following):

Site of Infection:

- Skin/Soft tissue infection (i.e. cellulitis)
- Surgical Site Infection
- Prosthetic Joint Infection
- Osteomyelitis
- Septicemia
- Other: _____

MEDICATION ORDERS

GENERAL ORDERS

STEP 1 - Calculate Dosing Body Weight:

Dosing body weight (kg) = Ideal Body Weight + 0.4 x [Total Body Weight – Ideal Body Weight]

Ideal Body Weight (females) = 45.5 kg + (0.91 x [height in cm – 152.4])

Ideal Body Weight (males) = 50 kg + (0.91 x [height in cm – 152.4])

Note: If total body weight is less than ideal body weight, use ACTUAL BODY WEIGHT for loading dose (i.e. underweight patients).

Dosing Body Weight = _____ kg

STEP 2 - Vancomycin Loading Dose based on Dosing Body Weight:

Dosing Body Weight (calculated)	Loading Dose x 1 dose (infusion time)
40-49 kg	<input type="checkbox"/> 1250mg (over 1.5 hours)
50-69 kg	<input type="checkbox"/> 1500 mg (over 1.5 hours)
70-89 kg	<input type="checkbox"/> 2000 mg (over 2 hours)
90-115 kg	<input type="checkbox"/> 2500mg (over 2.5 hours)
116-130 kg	<input type="checkbox"/> 3000mg (over 3 hours)

- Consult Pharmacy
- Vancomycin dosing managed by pharmacist
- Vancomycin Trough Level
(to be drawn **30 minutes prior to third vancomycin dose**)
- sCr with vancomycin level

PRESCRIBER'S SIGNATURE: _____ PRINTED NAME: _____ Date: _____ Time: _____

Order Transcribed
Date: _____ Time: _____ Init: _____

FAX TO PHARMACY
Date: _____ Time: _____
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MEDICATION ORDERS	GENERAL ORDERS																						
<p>STEP 3 - Determine Vancomycin Maintenance Dose:</p> <p>■ Calculate CrCl based on the following equation:</p> $\text{CrCl (mL/min/72kg)} = \frac{(140 - \text{Age}) * 80}{sCr (\mu\text{mol/L})} \times 0.85 \text{ if female}$ <p>■ Determine maintenance dose based on calculated CrCl as per following chart</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #333; color: white;"> <th>CrCl (mL/min/72kg)</th> <th>Total Daily Dose</th> <th># Divided Doses per day</th> </tr> </thead> <tbody> <tr style="background-color: #eee;"> <td>120-140</td> <td>35mg/kg/day</td> <td>2 or 3 (Q8H or Q12H)</td> </tr> <tr> <td>90-119</td> <td>30-35mg/kg/day</td> <td>2 or 3 (Q8H or Q12H)</td> </tr> <tr style="background-color: #eee;"> <td>60-89</td> <td>25mg/kg/day</td> <td>1 or 2 (Q12H or Q24H)</td> </tr> <tr> <td>40-59</td> <td>20mg/kg/day</td> <td>1 or 2 (Q12H or Q24H)</td> </tr> <tr style="background-color: #eee;"> <td>20-39</td> <td>10-15mg/kg/day</td> <td>1 or 2 (Q12H or Q24H)</td> </tr> <tr> <td>10-19</td> <td>750mg Q48H (40-60kg) 8mg/kg/day (61-120kg)</td> <td>1 (Q24H)</td> </tr> </tbody> </table> <p>■ Use DOSING WEIGHT calculated previously to determine dose</p> <p><input type="checkbox"/> Calculated CrCl _____ mL/min</p> <p><input type="checkbox"/> Dosing weight _____ kg x _____ mg/kg/day (see table above)</p> <p><input type="checkbox"/> TOTAL Daily Dose _____ mg DIVIDED into _____ doses/day</p> <p>Recommended Dose:</p> <p>■ Vancomycin _____ mg IV Q_____ H</p> <p>Note: Please round Vancomycin doses to the nearest 250 mg increment</p>		CrCl (mL/min/72kg)	Total Daily Dose	# Divided Doses per day	120-140	35mg/kg/day	2 or 3 (Q8H or Q12H)	90-119	30-35mg/kg/day	2 or 3 (Q8H or Q12H)	60-89	25mg/kg/day	1 or 2 (Q12H or Q24H)	40-59	20mg/kg/day	1 or 2 (Q12H or Q24H)	20-39	10-15mg/kg/day	1 or 2 (Q12H or Q24H)	10-19	750mg Q48H (40-60kg) 8mg/kg/day (61-120kg)	1 (Q24H)	
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