ADMINISTRATION SET CHANGE

Several factors determine when an administration set needs to be changed: type of infusion (continuous versus intermittent), immediately upon suspected contamination, or when the integrity of the administration set system has been compromised. The following chart lists recommended administration set change frequencies based off of Infusion Nurse Society, Centers for Disease Control current standards of practice.

<table>
<thead>
<tr>
<th>ADMINISTRATION TYPE</th>
<th>ADMINISTRATION SET</th>
<th>SET CHANGE FREQUENCY</th>
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</table>
| Continuous (Infusions NOT containing blood, blood products or Intravenous fat emulsions) | • Primary set * Secondary “piggyback” set | If infusate is administered continuously via primary or secondary administration set, including add-on devices, change set(s) no more frequently than at 96 hour intervals, but at least every 7 days. ¹  
Primary and secondary continuous administration sets should be changed no more frequently than every 96 hours. Extending the administration set change to every 7 days may be considered when an anti-infective central vascular access device is being used. ² |
| Intermittent (Infusions NOT containing blood, blood products or Intravenous fat emulsions) | • Primary set | No frequency recommendation. Unresolved issue. ¹  
Replace set every 24 hours. ²  
Replace within 24 hours of initiating the infusion. ¹  
Replace every 24 hours. ² |
| Intravenous Fat Emulsion (IVFE) TPN containing IVFE | • Primary set * Secondary “piggyback” set | When IVFE are administered intermittently, the administration set should be changed with each new container. ² |
| TPN (without IVFE) | • Primary set | No recommendation. ¹  
Replace no more often than every 96 hours. ² |
| Blood / Blood Products | • Primary set * Filter | Replace within 24 hours of initiating the infusion. ¹  
Replace administration set and filter every 4 hours. ² |
| Propofol | • Primary set | Replace tubing used to administer propofol infusions every 6 or 12 hours, when the vial is changed, per the manufacturer’s recommendation. ¹  
A dedicated administration set should be used and should be replaced every 12 hours when the vial is changed, and according to the manufacturer’s directions for use. ² |

¹ Recommendations from the Centers for Disease Control and Prevention (HICPAC)  
² Recommendations from the Infusion Nurse Society's 2011 Infusion Nursing Standards of Practice  
Regardless of infusate, change set immediately if contamination is suspected or product integrity is compromised. A sterile covering device should be used to cover the distal end of an administration set after intermittent use. Change needleless access devices at least as frequently as the administration set.