

**Donning and Doffing Personal Protective Equipment (PPE)  
for Isolation of Ebola Patients**

**Competency:** Demonstrates knowledge for donning and doffing personal protective equipment (PPE) used for isolation and standard precautions.

Date: \_\_\_\_\_

Department: \_\_\_\_\_

Name: \_\_\_\_\_

Validator: \_\_\_\_\_

Performance Criteria	Criteria Met
<b>DONNING PPE</b>	
Assess PAPR function for adequate air flow	
<b>PPE is donned in the follow sequence:</b>	
1. <b>Trained Observer:</b> The trained observer uses a written checklist to confirm each step in donning PPE and can assist with ensuring and verifying the integrity of the ensemble. No exposed skin or hair of the healthcare worker should be visible at the conclusion of the donning process.	
2. <b>Remove Personal Clothing and Items:</b> Change into surgical scrubs and dedicated washable (plastic or rubber) footwear in a suitable clean area. No personal items (e.g., jewelry, watches, cell phones, pagers, pens) should be brought into patient room.	
3. <b>Inspect PPE Prior to Donning:</b> Look for tears, holes, other damage.	
4. <b>Perform Hand Hygiene:</b> Perform hand hygiene using alcohol hand gel.	
5. <b>Put on Leg/Shoe Covers:</b> You may need to use a second pair of leg coverings to cover $\frac{3}{4}$ of your leg. Cut a slit in the bottom where foot would go. Pull up to mid thigh, secure with single strand of vertical duct tape.	
6. <b>Put on Inner Gloves:</b> Ensure the use of extended cuff gloves.	
7. <b>Put on Inner Gown:</b> Put on 1 <sup>st</sup> surgical gown. Ensure gown is large enough to allow unrestricted freedom of movement while extending to mid-calf. Ensure cuffs of inner gloves are tucked under the sleeve of the gown.	
8. <b>Put on Respirator Hood:</b> Put on PAPR hood. Hood capes lay outside the gown.	
9. <b>Put on Outer Surgical Gown:</b> Put on 2 <sup>nd</sup> gown with outer hood drape placed outside the gown laying across the shoulders.	
10. <b>Put on the rest of the PAPR Unit:</b> Don belt-mounted blower unit with attached hose outside the gown. Attach hose to hood and turn blower unit on. Make sure air is flowing across the wearer' face.	
11. <b>Put on Outer Gloves:</b> Put on second pair of extended cuff gloves. Ensure the cuffs are pulled over the sleeves of the gown. Place duck tape over the glove cuffs and secure to the gown. For easy removal, make a pull tab on the end of the duck tape.	
12. <b>Verify:</b> After completing the donning process, the integrity of the ensemble is verified by the trained observer. The healthcare worker should be comfortable and able to extend the arms, bend at the waist, and go through a range of motions to ensure there is sufficient range of movement while all areas of the body remain covered.	
13. <b>Disinfect Outer Gloves:</b> Disinfect outer-gloved hands with bleach wipes. Allow to dry prior to patient contact.	
<b>DOFFING (removing) PPE</b> <i>(steps 1-9 are completed in the patient room close to doorway)</i>	
<b>PPE is removed in the following sequence:</b>	<b>Criteria Met</b>

<p>1. <b>Trained Observer:</b></p> <ul style="list-style-type: none"> <li>a. PPE must be removed slowly and deliberately in the correct sequence.</li> <li>b. The doffing process is conducted under the supervision of a trained observer reading aloud each step of the procedure and visually confirms PPE is removed properly.</li> <li>c. Prior to doffing PPE, the trained observer must remind the healthcare worker to avoid actions that may put them at risk, such as touching their face.</li> <li>d. The trained observer will minimize touching the healthcare worker or the healthcare worker's PPE during the doffing process.</li> <li>e. The trained observer will assist with removal of specific components of PPE as outlined below.</li> <li>f. The trained observer disinfects the outer-gloved hands immediately after handling any healthcare worker PPE.</li> </ul>	
<p>2. <b>Inspect:</b> Inspect PPE to assess for visible contamination, cuts, or tears before starting to remove. If any PPE is potentially contaminated, then disinfect using bleach wipes (outer gown, leg coverings, PAPR, ect).</p>	
<p>3. <b>Disinfect Outer Gloves:</b> Disinfect outer-gloved hands with bleach wipe doing one hand with a single wipe. Obtain another bleach wipe and do the same to the other gloved hand, avoiding cross contamination. Always use separate bleach wipes for each gloved hand. Discard in red biohazard bag. Allow to dry.</p>	
<p>4. <b>Remove Leg/Shoe Covers:</b> While sitting down, remove and discard leg/shoe covers in red biohazard bag.</p>	
<p>5. <b>Remove Respirator (PAPR) - Buddy to assist at this time:</b></p> <ul style="list-style-type: none"> <li>a. Buddy disinfects PAPR hood, hose, and blower unit with bleach wipes starting at the connection to the hood and working your way down using 3 bleach wipes.</li> <li>b. Disconnect hose from headpiece.</li> <li>c. Buddy removes hood by pulling forward and away from face.</li> <li>d. Buddy unbuckles belt and removes blower unit and hose, placing off to side in an area or container designated for the collection of PAPR components for disinfection.</li> <li>e. Buddy disinfects own outer gloves.</li> </ul>	
<p>6. <b>Disinfect and Remove Outer Gloves:</b></p> <ul style="list-style-type: none"> <li>a. Disinfect outer-gloved hands with bleach wipes.</li> <li>b. Remove and discard tape in red biohazard bag in a slow and controlled manner one hand at a time.</li> <li>c. Remove and discard outer gloves in red biohazard bag, taking care not to contaminate inner glove during removal process.</li> </ul>	
<p>7. <b>Remove Outer Surgical Gown:</b> Disinfect outer gown if visually contaminated. Remove and discard in red biohazard bag taking care to avoid contaminating gloves by rolling the apron from inside to outside.</p>	
<p>8. <b>Inspect:</b> Following removal, inspect the PPE ensemble to assess for visible contamination or cuts or tears. If visibly contaminated, then disinfect affected PPE with bleach wipes.</p>	
<p>9. <b>Disinfect Inner Gloves</b> with bleach wipes and leave the room to outer doffing area.</p>	
<p>10. <b>Disinfect Washable Shoes:</b> Sitting on a new clean surface (e.g., second clean chair, clean side of a bench) use a bleach wipe for each shoe to clean outer surface of shoes.</p>	
<p>11. <b>Disinfect Inner Gloves</b> with bleach wipes.</p>	
<p>12. <b>Remove Inner Gown:</b></p>	

<ul style="list-style-type: none"> <li>a. Depending on gown design and location of fasteners, the healthcare worker can either untie fasteners, receive assistance by the trained observer to unfasten the gown, or gently break fasteners.</li> <li>b. Pull gown away from body, rolling inside out and touching only the inside of the gown. Avoid contact of scrubs or disposable garments with outer surface of gown during removal.</li> <li>c. Place in red biohazard bag.</li> </ul>	
<p>13. <b>Disinfect Inner Gloves:</b> Disinfect inner gloves with bleach wipes.</p>	
<p>14. <b>Remove Inner Gloves:</b> Remove and discard gloves in red biohazard bag taking care not to contaminate bare hands during removal process.</p>	
<p>15. <b>Perform Hand Hygiene:</b> Perform hand hygiene using alcohol hand gel.</p>	
<p>16. <b>Inspect:</b> Perform a final inspection of healthcare worker for any indication of contamination of the surgical scrubs or disposable garments. If contamination is identified, immediately inform Employee Health, Unit Manager, and Infection Control before exiting PPE removal area.</p>	
<p>17. <b>Scrubs:</b> Healthcare worker can leave PPE removal area wearing dedicated washable footwear and surgical scrubs or disposable garments.</p>	
<p>18. <b>Shower:</b></p> <ul style="list-style-type: none"> <li>a. Showers are recommended at each shift's end for healthcare workers performing high-risk patient care (e.g., exposed to large quantities of blood, body fluids, or excreta).</li> <li>b. Showers are also suggested for healthcare workers spending extended periods of time in the Ebola patient room.</li> </ul>	

Reviewed/Revised: 10/28/14