

## Essential Steps

**Procedure: Putting on and taking off PPE for a confirmed or suspected Ebola case**

**Job Classification(s): All Staff**

All the above steps will be used with a “buddy” system. An observer will be present to check off that all steps are followed. In the plan this is referred to as a PPE time out.

### **Putting on PPE (Donning)**

#### **1. Required supplies:**

- Scrubs or disposable garmets
- Tyvek suit
- N 95 mask
- Two pair extended cuff nitrile gloves
- Eye shield
- Tape
- Alcohol based hand rub (ABHR)
- Stryker toga hood and helmet
- Washable shoes

2.  Change into srubs or disposable garmets in the designated area.

3.  No personal items (e.g., jewelry, watches, cell phones, pagers, ) will be brought into the patient room.

4.  Perform hand hygiene with alcohol based hand rub (ABHR). Allow hands to dry before moving to next step.

5.  Put on first pair of gloves.

6.  Put on eye protection.

7.  Put on N 95 mask that you have been fit tested for in the past year. Complete a user seal check.

8.  Put on helmet and battery pack around waist. Connect hood to battery pack.

<p>9. <input type="checkbox"/> Put on shoe cover boots if Tyvek suit does not already have shoe protection built in.</p>
<p>10. <input type="checkbox"/> Put on Tyvek suit. Ensure that the Tyvek suit is large enough to allow unrestricted freedom of movement.</p>
<p>11. <input type="checkbox"/> Ensure cuffs of inner gloves are tucked under the sleeve of the Tyvek suit.</p>
<p>12. <input type="checkbox"/> Pull on hood and zip suit.</p>
<p>13. <input type="checkbox"/> Over the N 95 mask, place a surgical hood that extends past the neck to the shoulders.</p>
<p>14. <input type="checkbox"/> If the patient is excreting a large amount of body fluids put on a full body apron to provide additional protection to the front of the body. *These will be available in the patients rooms if needed and they are not donned before hand.</p>
<p>15. <input type="checkbox"/> Put on second pair of gloves with extended cuffs. Ensure the cuffs are pulled over the sleeve of the Tyvek suit and taped.</p>
<p>16. <input type="checkbox"/> Disinfect outer-gloved hands with ABHR. Allow to dry prior to patient contact.</p>
<p><b><u>Removing PPE (Doffing)</u></b></p>
<p>17. Required supplies:</p> <ul style="list-style-type: none"><li>• Separate area for doffing</li><li>• Bleach solution in bucket and sprayer 1:10 solution</li><li>• ABHR</li><li>• Germicidal bleach wipes</li><li>• Garden sprayer</li><li>• Tote for standing in during spraying</li><li>• Disposable chux taped to floor</li><li>• Biohazard waste container</li></ul>
<p>18. <input type="checkbox"/> The trained observer will not enter the room of a patient with Ebola but will be in the PPE removal area to observe and give verbal instruction on the removal of specific components of PPE.</p>

<p>19. <input type="checkbox"/> The entering caregiver will be already donned in the PPE listed in step one and will assist the caregiver exiting the room with removal as needed.</p>
<p>20. <input type="checkbox"/> Disinfect outer-gloved hand by placing them in a prepared bleach solution.</p>
<p>21. <input type="checkbox"/> The exiting caregiver will inspect their PPE to assess for visible contamination, cuts, or tears before starting to remove. If any PPE is visibly contaminated, then wipe with a germicidal bleach wipe to that area. Wipes will be disposed of in a biohazard container.</p>
<p>22. <input type="checkbox"/> Disinfect outer-gloved hands with ABHR.</p>
<p>23. <input type="checkbox"/> Step into shallow container that will be provided.</p>
<p>24. <input type="checkbox"/> Entering caregiver will spray the exiting caregiver with the prepared bleach solution. Solution will be allowed to dry for 1 minute that will be timed by the trained observer.</p>
<p>25. <input type="checkbox"/> Step out of container onto a disposable chux taped the floor.</p>
<p>26. <input type="checkbox"/> If apron is used, remove and discard apron taking care to avoid contaminating gloves by rolling the apron from the inside to the outside. Discard in a biohazard container.</p>
<p>27. <input type="checkbox"/> Disinfect outer gloves with ABHR.</p>
<p>28. <input type="checkbox"/> Remove outer gloves and discard in the biohazard container.</p>
<p>29. <input type="checkbox"/> Disinfect inner gloves with ABHR.</p>
<p>30. <input type="checkbox"/> Entering caregiver will remove surgical toga hood and helmet of the exiting caregiver. Dispose of toga hood in biohazard container, and placed helmet in specified container for decontamination.</p>
<p>31. <input type="checkbox"/> Entering caregiver will disinfect their outer gloves with ABHR. At this point the entering caregiver can enter the patients room and begin</p>

their care.
32. <input type="checkbox"/> Unzip Tyvek suit to waist. <u>Use caution not to touch non protected areas including inner suit and scrubs.</u>
33. <input type="checkbox"/> Disinfect inner gloves with ABHR.
34. <input type="checkbox"/> Pull hood away from head touching outside only. Pull hood off slightly above ears. Do not touch your face.
35. <input type="checkbox"/> Disinfect inner gloves with ABHR.
36. <input type="checkbox"/> Grab outside of Tyvek suit just above waist, slip shoulders and arms out of suit and arms will be inside out at this point.
37. <input type="checkbox"/> Remove gloves and disinfect hands with ABHR and don new pair of non sterile nitrile gloves.
38. <input type="checkbox"/> Roll garment down body turning contaminated side in.
39. <input type="checkbox"/> Extract one leg at a time removing boot shoe covers with suit.
40. <input type="checkbox"/> <u>Be careful not to touch contaminated suit to clothes</u> and dispose of garments in biohazard container that will be in room.
41. <input type="checkbox"/> Wipe down external surface and bottom of shoes with disposable bleach wipe.
42. <input type="checkbox"/> Remove gloves and perform hand hygiene with ABHR. Don new pair of non sterile nitrile gloves
43. <input type="checkbox"/> Remove the N95 mask by tilting the head forward, grasping first the bottom tie or elastic strap, then the top tie or elastic strap, and remove without touching the front of the N95 mask and discard in biohazard container.
44. <input type="checkbox"/> Disinfect gloves with ABHR.
45. <input type="checkbox"/> Remove eye protection.

<b>46. <input type="checkbox"/> Remove gloves and perform hand hygiene with ABHR.</b>
<b>47. <input type="checkbox"/> Healthcare worker can now leave PPE removal area wearing dedicated washable footwear and scrubs or disposable garmets.</b>
<b>48. <input type="checkbox"/> If leaving the dedicated unit for a break the worker is to change into a new set of scrubs.</b>
<b>49. <input type="checkbox"/> If leaving the hospital for end of shift, showers are recommened in the area provided.</b>
<b>50. <input type="checkbox"/> Either the infection Preventionist or site manager will meet with the healthcare worker to review patient care activities and identify any concerns about protocols.</b>
<b>51. <input type="checkbox"/> Pastorial support care will be provided to talk with the healthcare worker if desired.</b>

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Signature of observer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Time