

Treatment PPE for Healthcare Worker and Coach

Oct. 23, 2014 6 p.m.

Competency Validation

Name: _____

Unit: _____

Competency: Demonstrate the proper PPE sequence for Ebola prevention for the healthcare worker and coach according to Infectious Disease Guidelines.

Training Methods:

1. Demonstration of competency following hands-on, face-to-face training session is required.
2. Video may be used to reinforce training, but is not a substitute for training

Validation Methods:

Donning and Doffing must be accompanied by direct observation by a trained observer

Treatment PPE Donning: Healthcare worker (HCW) assisted by coach (done in the Cold Zone)

Critical Elements	MET	NOT MET
Encourage both HCW and Coach to go to the bathroom before beginning.		
1. Observer reviews donning sequence with HCW/coach before HCW/coach begins donning sequence. Observer narrates each step of the donning and doffing sequence, visually confirming each step is complete before moving the next step		
2. HCW changes into surgical scrubs and dedicated washable footwear in the Cold Zone. No personal items, including jewelry, watches, cell phones, pagers or badges should be brought into the Warm Zone. HCW secures hair. Verifies all cuts/abrasions are covered.		
3. HCW inspects PPE prior to each donning step to ensure it is in serviceable condition		
4. HCW puts on bouffant – cover all hair.		
5. HCW prepares bioprotective suit by securing a ziptie/tape to the zipper.		
6. HCW puts on level 4 bioprotective suit with feet. Tuck hood inside suit. (If bioprotective suit is blue, add boot covers) Zips zipper and removes paper cover of self-adhesive strip near seam of zipper, covers zipper and presses to secure.		
7. HCW sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding.		
8. HCW dons nitrile exam gloves, completely covering the cuff of the bioprotective suit. (Coach may assist as needed) Esteem XP is one brand.		
9. Coach tapes gloves to bioprotective suit lengthwise from mid-hand to mid-forearm, anterior and posterior. Ensures all edges of tape are secure and flat.		
10. Coach peels protective layer off PAPR face shield inside and out.		
11. Coach (if not already done) places orange CHEM tape over vent holes on the outside surface at bottom of PAPR face shield.		
12. Coach turns PAPR unit on and off to check function.		

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13. Coach removes HEPA filter from packet and attaches HEPA filters to PAPR unit. <i>Assures external seals are removed from HEPA filter.</i>		
14. Coach attaches PAPR unit to belt assembly.		
15. Coach secures the PAPR unit to the HCW's waist, adjusting the belt so that the PAPR is positioned in the small of the back.		
16. Coach secures excess belt ends in the belt clips.		
17. Coach attaches the breathing hose to the PAPR unit and the PAPR hood.		
18. Coach turns the PAPR unit on.		
19. Coach ensures the breathing hose is free of kinks, twists and damage.		
20. HCW puts hood on with assistance, chin first. Ensure the elasticized edge of the face seal is under the chin and along the cheeks.		
21. HCW centers inner headband around forehead and verifies that straps on top of the hood are in contact with the top of the head.		
22. Coach lifts outer shroud of the hood and rolls it up.		
23. HCW puts on a standard chemo (level 4) gown, assuring that it covers the inner shroud only.		
24. Coach secures ties at neck.		
25. Coach tucks edges of lower gown behind PAPR unit and then ties outer tie below the PAPR, ensuring edges of the gown are snug and secure.		
26. Coach allows the outer shroud to cover the top portion of the gown.		
27. HCW applies second pair of nitrile gloves (non-powdered, surgical), completely covering the cuff of the gown. (Coach may assist as needed)		
28. Coach tapes gloves to gown lengthwise from mid-hand to mid-forearm, anterior and posterior. <i>Ensure all edges of tape are secure and flat.</i>		
29. After completing the donning process, the integrity of the ensemble is verified by the trained observer . The HCW 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. PPE should not be adjusted during patient care.		

PPE Donning: Coach (done in Cold Zone)

Critical Elements	MET	NOT MET
1. Coach changes into surgical scrubs in the Cold Zone. No personal items, including jewelry, watches, cell phones, pagers or badges should be brought into the Warm Zone. Coach secures hair. Verifies all cuts/abrasions are covered.		
2. Coach inspects PPE prior to each donning step to ensure it is in serviceable condition		
3. Coach sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding.		
4. Coach puts on boot covers.		
5. Coach sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding.		
6. Coach puts on surgical mask.		
7. Coach puts on standard chemo (level 4) isolation gown. If gown doesn't reach mid-calf, wear surgical gown. Ensure scrubs are not visible.		

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8. Coach puts on nitrile exam gloves, completely covering the cuff of the gown. Esteem XP is one brand.		
9. Observer tapes gloves to gown lengthwise from mid-hand to mid-forearm, anterior and posterior. <i>Ensures all edges of tape are secure and flat.</i>		
10. Coach puts on bouffant.		
11. Coach puts on face shield.		
12. Coach puts on second standard chemo (level 4) isolation gown.		
13. Coach puts on second pair of nitrile exam gloves, completely covering the cuff of the gown.		
14. Observer tapes second pair of gloves to gown lengthwise from mid-hand to mid-forearm, anterior and posterior. <i>Ensures all edges of tape are secure and flat.</i>		
15. After completing the donning process, the integrity of the ensemble is verified by the trained observer . PPE should not be adjusted while in the Warm Zone.		

PPE Doffing: Healthcare Worker (HCW) and Coach (This is consistent with the most current CDC guidelines as of 10/20/2014)

Critical Elements	MET	NOT MET
1. Coach enters Warm Zone, opens PAPR decontamination pad and places it on table. Coach cleans chair with bleach wipe.		
2. Coach puts down doffing pad on the floor outside the patient door.		
3. Before leaving patient's room, HCW inspects and disinfects any visible contamination on the PPE using bleach wipes.		
4. The observer needs to verbalize to the HCW and coach to avoid reflexive actions that may put them at risk (such as touching your face). The observer reads each step in this process.		
5. HCW exits patient's room using bleach wipe to open and close door and stands on doffing pad. HCW drops dirty bleach wipe carefully onto doffing pad.		
6. HCW wipes hands with a second bleach wipe and drops it onto the doffing pad at this time. HCW remains on doffing pad until out of suit.		
7. Coach stands outside of doffing pad.		
8. Coach unties ties and neck of HCW's external gown.		
9. Coach sanitizes gloved hands with a bleach wipe (no alcohol-based hand sanitizer with nitrile gloves).		
10. Coach turns off PAPR unit.		
11. Coach detaches breathing hose from the hood and holds the breathing hose away from HCW		
12. Coach detaches the breathing hose from the PAPR unit and places the hose on the decontamination pad on the table in the Warm Zone.		
13. Coach sanitizes gloved hands with a bleach wipe (no alcohol-based hand sanitizer with nitrile gloves)		
14. Once the Coach returns from placing the hose on the decontamination pad, the HCW places one hand on top of hood (crown of head) and other hand on outer shroud.		
15. HCW bends forward at the waist and slowly pulls hood off from back to front as coach monitors.		
16. HCW disposes of hood in the biohazard container or on the doffing pad.		
17. HCW slowly and carefully removes their own outer gown and outer gloves, ensuring both are removed together as coach monitors for safety. Place on doffing pad.		

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18. Both HCW and Coach sanitize gloved hands with a bleach wipe (no alcohol-based hand sanitizer with nitrile gloves)		
19. Coach holds the PAPR unit as the HCW unfastens front of PAPR unit belt.		
20. Coach removes PAPR unit and places it on decontamination pad on table in Warm Zone.		
21. Both HCW and coach sanitize gloved hands with a bleach wipe (no alcohol-based hand sanitizer with nitrile gloves).		
22. HCW unties coach's gown ties.		
23. Coach (while looking up to avoid contamination) slowly and carefully removes their own outer gown and outer gloves, ensuring both are removed together as HCW monitors for safety.		
24. Both HCW and Coach sanitize gloved hands with a bleach wipe.		
25. Coach inspects the PPE ensemble to assess for visible contamination, cuts or tears. If visibly contaminated, then disinfect PPE with bleach wipe. Special attention should be paid to the gloves.		
26. HCW peels back the zipper cover. Runs gloved finger up the zipper track to the ziptie/tape and unzips bioprotective suit, looking up to avoid contamination.		
27. Coach grasps the outside of the suit at the shoulders and peels the suit away from the HCW one shoulder at a time.		
28. Using an outward rolling motion and avoiding touching the HCW's scrubs and skin, the coach begins peeling the suit down, rolling it on to itself.		
29. Coach removes each sleeve separately along with the HCW's glove, ensuring both sleeve and glove are removed together, one at a time, then slowly pulls the suit down just past the hips.		
30. HCW , while touching only the inside of the suit, pulls the suit down to their feet. HCW steps out of the suit and off the doffing pad in one motion, one foot at a time, ensuring each unprotected foot is not placed on the doffing pad.		
31. HCW sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding.		
32. HCW dons clean pair of gloves.		
33. HCW removes bouffant by grasping at back of head.		
34. HCW sanitizes gloved hands with a bleach wipe		
35. HCW sits on chair and wipes down every external surface of the washable shoes with bleach wipe and discards.		
36. HCW sanitizes gloved hands with a new bleach wipe.		
37. Without touching discarded PPE, coach slowly and carefully folds up doffing pad, collecting dirty PPE inside, and places in biohazard container. Ensures the observer is still monitoring the entire procedure, evaluating for proper containment.		
38. Coach sanitizes gloved hands with a bleach wipe.		
39. HCW unties coach's gown.		
40. HCW slowly and carefully removes their own gloves using glove-in-glove technique.		
41. HCW sanitizes their hands with alcohol foam. Use an automatic dispenser		
42. Observer and coach perform a final inspection of the HCW for any contamination of the surgical scrubs. If identified, refer to Treatment PPE Breach and Treatment Staff Exposure protocol		

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43. Observer must open the door between the Cold and Warm Zone to allow the HCW to exit. Observer then closes the door.		
44. HCW exits Warm Zone and sanitizes hands immediately upon entering Cold Zone.		
45. Coach (while looking up to avoid contamination) slowly and carefully removes gown and gloves, ensuring both are removed together.		
46. Coach sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding.		
47. Coach dons clean gloves.		
48. Coach removes face shield utilizing strap behind head		
49. Coach sanitizes gloved hands with bleach wipe.		
50. Coach sits on chair.		
51. Coach runs gloved hands inside boot cover ~ 5 inches		
52. Coach pinches material inside boot cover – rolls to make a cuff.		
53. Keeping gloved hands inside boot cover, coach pushes boot cover down.		
54. Coach lifts heel, continues to push boot cover towards toe.		
55. Coach lifts toes, with heel on ground, pushes boot cover off.		
56. Coach sanitizes gloves with bleach wipe.		
57. Coach repeats with other leg.		
58. Coach picks up the boot covers, only touching inside, and discards in biohazard container without contamination		
59. Coach removes gloves slowly and carefully, using glove-in-glove technique		
60. Coach sanitizes hands with alcohol foam. Use an automatic dispenser. Make sure alcohol dries completely before proceeding		
61. Coach dons clean gloves.		
62. Coach removes bouffant by grasping at back of head.		
63. Coach sanitizes gloved hands with bleach wipe.		
64. Coach removes mask utilizing straps behind head.		
65. Coach sanitizes gloved hands with bleach wipe.		
66. Coach removes gloves slowly and carefully, using glove-in-glove technique.		
67. Coach sanitizes hands with alcohol foam. Use an automatic dispenser.		
68. Observer performs a final inspection of the coach for any contamination of the surgical scrubs. If identified, refer to Treatment PPE Breach and Treatment Staff-Exposure protocol.		
69. Observer must open the door between the Cold and Warm Zone to allow the coach to exit. The observer then closes the door.		
70. Coach exits Warm Zone and sanitizes hands immediately upon entering Cold Zone.		
71. Showers are recommended at each shift's end for HCW performing patient care		
72. Onsite manager or their designee should meet with the HCW to review the patient care activities to identify any concerns about care protocols and to document HCW level of fatigue.		

Validator Name for HCW role _____ Date _____

Validator Name for Coach role _____ Date _____