

Standard Work: Donning Level 1 PPE

Author: Ryan A. Thatcher MSN
Revision Date: 06/05/2025


Purpose: Donning Level 1 PPE

Outline for donning the PPE required for ULTIMATE precautions




Value Stream: Special Pathogen Unit (SPU)

The Corewell Health Special Pathogen Unit is located on 9C at Butterworth. All PPE outlined in this SW may not be available to team members outside of the SPU.




Introduction: The donning process is conducted under the guidance and supervision of a Hot Zone Boss (HZB), who confirms visually that all PPE is serviceable and has been donned successfully. The Hot Zone Boss uses verbal commands and this written checklist to verify each step in the donning process. The person donning will acknowledge each command given by the HZB to indicate their understanding of the step. The trained HZB may assist in the donning process, as required.

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1.	<p>Prepare for Donning</p> <ol style="list-style-type: none">1) Hydrate (min. 8 oz).2) Remove all jewelry, phones, pagers, badges, etc.3) Dress in hospital scrubs, socks, shoes.4) Secure hair & glasses if applicable.5) Bring clean clothing for after doffing and showering. <p>6) Use restroom</p> <ol style="list-style-type: none">7) Acquire PPE: CAPR helmet, CAPR comfort pad, CAPR shroud, CAPR battery, battery belt, shoes, gown, coverall, 2 pairs of booties, inner gloves, outer gloves, and patient care gloves8) Perform hand hygiene.	<p>Team member should prepare for up to 4 hours in level 1 PPE. Every item that enters the patient care area should be considered disposable. Do NOT take any item into the HOT zone that you are not willing to part with.</p> 	Special Pathogen Response Team Member																																																																
2.	<p>Check CAPR helmet and battery for proper operation (MAX AIR 2271PB-100)</p> <ol style="list-style-type: none">1) Insert helmet power cord connector into battery until the secure connection audibly clicks.2) All lights come on and three middle lights remain illuminated.3) Adjust level of fan for comfort.4) Do not unplug CAPR.	<p>LED Safety Status Indicators</p> <table><tr><th>CONDITION</th><th>DESCRIPTION</th><th>YELLOW</th><th>GREEN 3</th><th>GREEN 2</th><th>GREEN 1</th><th>RED</th></tr><tr><td>1</td><td>Battery charge OK, 75% to 100%, Airflow OK</td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td></tr><tr><td>2</td><td>Battery charge OK, 50% to 75%, Airflow OK</td><td></td><td></td><td>✓</td><td>✓</td><td></td></tr><tr><td>3</td><td>Battery charge OK, 25% to 50%, Airflow OK</td><td></td><td></td><td></td><td>✓</td><td></td></tr><tr><td>4</td><td>Battery charge LOW, 0% to 25%, Airflow OK</td><td></td><td></td><td></td><td></td><td>✓</td></tr><tr><td>5</td><td>Airflow LOW, Battery charge LOW</td><td>✓</td><td></td><td></td><td></td><td>✓</td></tr><tr><td>6</td><td>Airflow LOW, Battery charge OK, 75% to 100%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr><tr><td>7</td><td>Airflow LOW, Battery charge OK, 50% to 75%</td><td>✓</td><td></td><td>✓</td><td>✓</td><td></td></tr><tr><td>8</td><td>Airflow LOW, Battery charge OK, 0% to 50%</td><td>✓</td><td></td><td></td><td>✓</td><td></td></tr></table>	CONDITION	DESCRIPTION	YELLOW	GREEN 3	GREEN 2	GREEN 1	RED	1	Battery charge OK, 75% to 100%, Airflow OK		✓	✓	✓		2	Battery charge OK, 50% to 75%, Airflow OK			✓	✓		3	Battery charge OK, 25% to 50%, Airflow OK				✓		4	Battery charge LOW, 0% to 25%, Airflow OK					✓	5	Airflow LOW, Battery charge LOW	✓				✓	6	Airflow LOW, Battery charge OK, 75% to 100%	✓	✓	✓	✓		7	Airflow LOW, Battery charge OK, 50% to 75%	✓		✓	✓		8	Airflow LOW, Battery charge OK, 0% to 50%	✓			✓		Special Pathogen Response Team Member	
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3.	Assemble CAPR helmet onto hood <ol style="list-style-type: none"> 1) Apply front CAPR comfort pad to velcro strip. 2) Ensure rear foam pad is intact and in place. 3) Remove the Filter Hood from its polybag. 4) Snap center hood-lens mounting hole over helmet center mounting post. 5) Snap one side hood-lens mounting hole to respective helmet side mounting post. Repeat on other side. You should hear an audible click. 6) Secure DLC Flappers into FCC Side Tabs. These are the tabs at the temples that push out the face cuff. 7) Put hands into shroud, slide and pull shroud onto helmet securely. 8) Pull shroud back onto helmet securely. 		Special Pathogen Response Team Member	
4.	Inspect single-use impermeable coveralls <ol style="list-style-type: none"> 1) Choose size that allows total movement without excessive bagginess. 2) Visualize all seams to ensure closure. 3) Test zipper for functionality. 4) Inspect material for holes, rips, or tears. 5) Never cut or remove any undesirable pieces of PPE (hoods, sleeves, zipper covers, etc.). <p>*Do not tape gloves to coveralls.</p>		Special Pathogen Response Team Member	
5.	Don coveralls to the waist <ol style="list-style-type: none"> 1) Leave shoes on. 2) Add booties over shoes for easier doffing. 3) Put each leg into the coveralls one at a time. Team member may use stabilization device or chair as needed. 4) Don shoe covers over coveralls. 5) Stand and pull coveralls to the waist. 		Special Pathogen Response Team Member	



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6.	Don CAPR belt with battery attached 1) Place the belt comfortably around the waist with the excess belt clip facing up. 2) Affix the battery over the right hip/ buttock. 3) Buckle should be located over the front of the abdomen. 4) CAPR should still be attached and powered on.		Special Pathogen Response Team Member	
7.	Don inner gloves (1st pair) 1) Don inner pair of single-use examination gloves with extended cuffs. Gloves for donning will be labelled Inner (1 st), Outer (2 nd), and Patient Care (3 rd).		Special Pathogen Response Team Member	
8.	Continue donning coveralls 1) Ensure the CAPR cord is coming up the back and through the center of the suit. Avoid wrapping the cord around neck, body or under arms. 2) Put arms in coveralls and pull up over shoulders. 3) Zip coveralls as high as possible without causing discomfort and fold over flap. 4) Secure sleeves over inner gloves using thumb straps. It may be beneficial to put straps over middle or ring finger depending on fit. *Do NOT remove adhesive backing and seal zipper.		Special Pathogen Response Team Member	

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9.	Don outer gloves (2nd pair) 1) Apply second pair of single-use examination gloves with extended cuffs. These gloves should be of a different color than the inner gloves. 2) Fully extend wrist portion of gloves to completely cover coverall cuff.		Special Pathogen Response Team Member	
10.	Don CAPR 1) Hold the helmet in one hand, pull the bottom edge of the cuff down with the opposite hand, and place your chin into cuff. Pull the helmet over and down on to your head. 2) Slide fingers between cuff and face from temples to chin. Ensure cuff and cuff flappers are positioned correctly. 3) Tighten adjustment knob and arrange hair for a secure fit. 4) Adjust shroud over shoulders and back. 5) Secure necktie. This should be tightened to 2" of the neck. Remove bottom tie and dispose. *Application may take assistance from the Hot Zone Boss.	  	Special Pathogen Response Team Member and Hot Zone Boss	
11.	Don Gown 1) Don arms in sleeves. 2) Gown should go OVER the CAPR hood shroud. 3) Securely fasten ties at back. Fasten ties in back being cautious not to cause gathering in gown. *Application may take assistance from the Hot Zone Boss.		Special Pathogen Response Team member and Hot Zone Boss	

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12.	Don Patient Care Gloves (Third pair of gloves) 1) Apply a third pair of regular cuffed or long cuffed single-use examination gloves. These gloves should be of a different color than the outer gloves (second pair).		Special Pathogen Response Team Member	
13.	Hot Zone Boss will verify adequate range of motion without breach to ensure proper fit and function of PPE 1) Team member should squat, raise arms above head, and display a full range of motion. 2) HZB should ensure there is no breaches in PPE and PPE covers entire team member. 3) HZB should verify that the helmet cord and team member's hair are tucked inside of the suit.		Special Pathogen Response Team member and Hot Zone Boss	

References: [CDC](#), [Max Air User's Instructions](#), [NETEC](#), [MIOSHA-STD-1201](#)