

OSHA PPE Selection Matrix for Occupational Exposure to Ebola Virus

✓	Use at a minimum
◆	Use when high(er)-risk exposure(s) is present

	Conducting normal work activities	Casual interaction (outside of a healthcare setting)		Physical contact (outside of a healthcare setting)		Providing medical and supportive care						Conducting clinical laboratory work	Conducting research laboratory work	Handling dead bodies	Cleaning and disinfecting environments			Performing maintenance work		Handling, transporting, treating, and disposing of waste	
	In settings where there is no reason to anticipate exposure to Ebola virus ¹	(e.g., face-to-face conversation without physical contact) with individuals with risk factors for Ebola ² , but with no signs or symptoms ³	(e.g., face-to-face conversation without physical contact) with individuals with signs or symptoms of Ebola	with individuals with risk factors for Ebola, but with no signs or symptoms	with individuals with signs or symptoms of Ebola	to individuals with no signs, symptoms, or risk factors for Ebola	to individuals with risk factors for Ebola, but with no signs or symptoms	during initial evaluation of individuals with suspected Ebola (including those with some signs or symptoms), but without obvious bleeding, vomiting, or diarrhea	during initial evaluation of individuals with suspected Ebola who have bleeding, vomiting, or diarrhea, or when these symptoms are likely to develop; or during hospitalization of individuals with suspected or confirmed Ebola	to individuals with suspected or confirmed Ebola, which involves performing aerosol-generating procedures (AGPs)	while transporting sick individuals with risk factors for Ebola or who are suspected or confirmed to have Ebola	on samples from patients with suspected or confirmed Ebola, including testing which results in bio-aerosol generation ⁴	on samples or other material suspected of containing or known to contain Ebola ⁴	of individuals suspected of dying or known to have died of Ebola, such as during packaging of remains in an appropriate containment bag or transferring of packaged remains to a crematory	with suspected or confirmed Ebola virus contamination, but without significant, visible contamination from blood or other body fluids	with suspected or confirmed Ebola virus contamination that includes significant, visible contamination from blood or other body fluids	with suspected or confirmed Ebola virus contamination and using disinfectants which may pose a chemical hazard	in areas that have been fully and appropriately decontaminated in a way that eliminates Ebola virus	in areas suspected or known to have Ebola virus contamination, which have not been fully and appropriately decontaminated in a way that eliminates Ebola virus (e.g., in emergencies)	suspected or known to have Ebola virus contamination (considered Category A waste), and that has been appropriately packaged ⁵ at its point of origin	suspected or known to have Ebola virus contamination (considered Category A waste), and where waste containers must be opened or waste otherwise handled directly
Typical precautions/PPE, if any, for normal work tasks	✓	✓	✓	✓	✓	Standard precautions	Standard precautions	Standard precautions	Standard precautions	Standard precautions	Standard precautions	According to biosafety level	According to biosafety level	✓	✓	✓	✓	✓	✓	✓	✓
Dedicated clothing (uniform/scrubs, shoes)			✓		✓		◆	✓	✓	✓	✓	✓	✓	✓	✓	✓		◆	✓	✓	✓
Gloves, Single (nitrile)		◆	✓	✓	✓		◆														
Gloves, Double (nitrile)					◆			✓	✓	✓	✓	✓	✓	✓	✓						
Gloves, Double (nitrile + heavy duty)															◆	✓ For chemical protection	✓ For chemical protection		✓ As appropriate for hazard	✓ Puncture-resistant gloves	✓ Puncture-resistant gloves
Face mask (e.g., surgical mask)			✓		✓			✓							✓					◆	
Face and eye protection (e.g., shield/goggles)			✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Head/neck cover (e.g., surgical hood)⁸								✓ Impermeable	✓ Impermeable	✓ Impermeable	◆ Fluid-resistant	✓ Impermeable	✓ Impermeable	✓ Impermeable	◆ Impermeable	✓ Impermeable	✓ Impermeable		◆ Impermeable		
Fluid-resistant or impermeable gown⁶			◆ Fluid-resistant		✓ Fluid-resistant			✓ Fluid-resistant garment should fully cover skin	✓ Appropriate garment should fully cover skin ⁷	✓ Impermeable garment should fully cover skin	✓ Impermeable garment should fully cover skin	✓ Fluid-resistant	✓ Impermeable		✓ Fluid-resistant	✓ Impermeable garment should fully cover skin	✓ Impermeable			◆ Fluid-resistant	✓ Impermeable
Fluid-resistant or impermeable coveralls⁵			◆ Fluid-resistant		◆ Fluid-resistant							◆ Fluid-resistant	◆ Impermeable	✓ Impermeable	◆ Fluid-resistant	◆ Impermeable garment should fully cover skin	◆ Impermeable		✓ Impermeable	◆ Fluid-resistant	◆ Impermeable
Fluid-resistant or impermeable apron⁶								◆ Fluid-resistant	✓ Impermeable	✓ Impermeable	✓ Impermeable			✓ Impermeable		✓ Impermeable	◆ Impermeable				
Shoe/boot covers high enough to cover lower leg⁹			◆ Fluid-resistant		✓ Fluid-resistant			✓ Impermeable	✓ Impermeable	✓ Impermeable	◆ Fluid-resistant	✓ Impermeable	✓ Impermeable	✓ Impermeable	✓ Fluid-resistant	✓ Impermeable	✓ Impermeable		✓ Impermeable	◆ Fluid-resistant	◆ Impermeable
Disposable N95 respirator⁷					◆						◆	✓									✓
Elastomeric respirator + appropriate cartridge⁷								◆	✓	✓	✓	◆	◆	✓	◆	✓	✓		✓		◆
Powered Air-Purifying Respirator (PAPR)⁷								◆			◆	◆			◆	◆		◆		◆	◆
Full-body, air-supplied positive pressure suit												✓ If not working in Class III BSC ⁴									
Example of workers who may require this level of PPE	Most types of U.S. workers who do not fit into other categories on this matrix	Airline crews and other transportation workers; customs/border protection officers, transportation security screeners, other law enforcement personnel; public health workers		Airline crews and other transportation workers; customs/border protection officers, transportation security screeners, other law enforcement personnel; public health workers		Healthcare workers, including physicians, nurses, and others; aid workers; airline and other transportation workers			Healthcare workers, including physicians, nurses, and others			Air medical transport workers, EMS workers	Clinical laboratory scientists and technicians; other laboratory personnel	Laboratory scientists and technicians	Morticians; coroners; medical examiners; forensic scientists	Environmental services workers in all settings, including hospitals, aircraft and airports, and other areas			Maintenance workers in all settings		Environmental services and waste collection workers in hospitals and other settings; DOT-permitted waste disposal and collection company workers