

Chain of Infection		Don and doff		types of infection		Stage of Illness	
Infectious agent		don	doff	Local	Systemic	Incubation Period	asymptomatic
infectious agent		gown	gloves	erythema	fever	Prodromal Period	Immune system becomes activated
reservoir	where the pathogens multiply	mask	eyewear	warmth	lymphadenopathy	Period of Illness	rash and other symptoms start...s-specific to the disease process
portal of exit	how an infectious agent leave a reservoir (GI or respiratory tract)	eyewear	gown	edema	fatigue	Period of Convalescence	recovery
mode of transmission	Direct and indirect contact droplet (D), airborne, vehicle born, vector born (I)	gloves	mask	pain	bacteremia/s-epsis		
portal of entry	opening in skin	Contact Precautions		purulent exudate	hypotension*		
host	virulence depends on genetics and other factors such as age, nutrition, disease, and stress	multidrug resistant organisms	MRSA VRE	Purulent exudate: fluid that leaks from inflamed cells			
Virulence: how able is it to produce disease		RSV	Respiratory	Hypotension is a result of sepsis d/t shock		airborne precautions	
zoonosis: transmission from a vertebrate animal to a human		skin infections		Droplet Precautions		requires a negative pressure room	pt wears surgical mask outside of room
Fomites: inanimate non-living objects (paper)		wound infections		scarlet fever		PPE	gown gloves and N95
		enteric infections	C diff	strep		Measles	
		eye infections		parvovirus	fifth disease	SARS	
		varicellis	specifically when it causes shingles	influenza		small pox	
		zoster		diphtheria	infects respiratory tract	chickenpox	
		cutaneous diphtheria	when it affects only skin	epiglottitis		TB	
		herpes simplex		rubella	german measles	Lab Values	
		imeptigo	crusty pustule around mouth	mumps		neutrophils	55-70%
		pediculosis	lice. Wear hair cap	meningitis		lymphocytes	20-40%
		scabies		mycoplasma pneumonia		monocytes	2-8%
		If a pt is placed on contact precautions, the correct PPE is gown and gloves. all surfaces are considered contaminated. no paper in or out of the room		adenovirus		eosinophils	1-4%
				droplets must be 5-10 microns range is 3 feet wear gloves and a surgical mask pt must wear surgical mask outside of room		basophils	0.5-1%

