Clinical Syndromes and Conditions Warranting Empiric Transmission Based Precautions

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January 27, 2022



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<u>IDENTIFY- upon entry</u>
<u>ISOLATE - promptly</u>
<u>INFORM- a provider quickly</u>





Diagnosis of Skin Conditions



Norwegian crusted scabies <u>versus</u> Psoriasis



Protect Yourself First























Respiratory Infections	Cough/fever/pulmonary infiltrate in any lung location in an HIV-infected patient or a natient at bief risk for	M. tuberculosis, Respiratory viruses, S. angeumolae S aureus	Airborne Precautions plus Contact Precautions	
	HV infection	(MSSA or MRSA)	Dec Syntax procedure performed or contact with respiratory secretions anticipated. If tuberculosis is unlikely and there are no AIRs and/or respirators available, use Droplet Precautions Tuberculosis more likely in HIV- infected individual than in HIV negative individual	
Respiratory Infections	Cough/fever/pulmonary infiltrate in any lung location in a patient with a history of recent travel (10-21 days) to countries with active outbreaks of SARS, avian influenza	<i>M. tuberculosis</i> , severe acute respiratory syndrome virus (SARS- CoV), avian influenza	Airborne plus Contact Precautions plus eye protection. If SARS and tuberculosis unlikely, use Droplet Precautions instead of Airborne Precautions.	
Respiratory Infections	Respiratory infections, particularly bronchiolitis and pneumonia, in infants and young children	Respiratory syncytial virus, parainfluenza virus, adenovirus, influenza virus, <i>Human</i> <i>metapneumovirus</i>	Contact plus Droplet Precautions; Droplet Precautions may be discontinued when adenovirus and influenza have been ruled out	
Skin or Wound Infection	Abscess or draining wound that cannot be covered	<i>Staphylococcus aureus</i> (MSSA or MRSA), group A streptococcus	Contact Precautions Add Droplet Precautions for the first 24 hours of appropriate antimicrobial therapy if invasive Group A streptococcal disease is suspected	
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Rank	Country	Number of Cases	Global Measles				
1	Nigeria	erla 5,378					
2	Pakistan	3,779					
3	Somalia 3,049 India** 2,939	3,049					
4							
5	Democratic Republic of the Congo	2,164	**WHO classifies all suspected measles cases reported from				
6	Yemen	1,765	India as measles clinically compatible if a specimen was not collected as per the algorithm for classification of suspected				
7	Côte d'Ivoire	1,053	measles in the WHO VPD Surveillance Standards. Thus numbers might be different between what WHO reports and				
8	Sudan	817					
9	Ethiopia	765	what India reports.				
10	United Republic of Tanzania	761					

* Countries with highest number of cases for the period

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Table 1 Exposu	res by quarte	r-2019			
			Exposed	Not exposed	Total
Quart	er q2	Count % within quarter	8 10.0%	72 90.0%	80 100.0%
	d D	% within quarter	0.0%	100.0%	100.0%
Table 2 χ^2 test t	nursing expo	sures in the ER betwee	en quarters 2 a	nd 3	
		Value	E	f	(2-sided)
Pears	on χ^2 valid cases	8.421ª 160	1		0.004





Case Scenario

Pre-intervention

Post-intervention

39 year old male presents to the ER. Chief Complaint c/c of fatigue and facial/neck swelling. Patient reports recent exposure to a positive Mumps case. The patient remains unmasked And advised to wait in the general waiting area. Droplet isolation is ordered after being seen by the ER physician after 1 hour has passed.

The patient advised to wear a mask upon Identification of symptoms and report of exposure to a known Mumps case. The patient is placed in Droplet isolation Immediately.

Case Scenario

Pre-intervention

Unvaccinated 3 year old female with generalized Rash- etiology unknown. Seen by triage nurse and Advised to wait in the general ER waiting area. Patient is seen by the ER physician 90 minutes Later and placed in Airborne Isolation to r/o Measles.

Post-intervention

Patient is seen by triage nurse and is stable. Patient and parent are advised to wear a Surgical mask and wait in their vehicle. An airborne isolation room is identified and the patient and parent are escorted to the room For physician assessment.

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Conclusion

> The specific aim of this teleclass is to improve the ER RN's ability to identify and isolate infectious patients promptly.

This change in practice can assist in preventing disease transmission and protecting the health of HCW's and other hospitalized patients



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February 3, 2022	VACCINE HESITANCY WHAT'S HAPPENING? Speaker: Prof. Rodney Rohde, Texas State University			
February 8, 2022	(FREE European Teleclass) THREE EARLY PIONEERS – WHO CAN STILL TEACH US A THING OR TWO Speaker: Dr. Evonne Curran, Glasgow Caledonian University, Scotland			
February 10, 2022	RETHINKING SOLUTIONS FOR PUBLIC HEALTH PROBLEMS: A HOLISTIC ONE HEALTH SOCIAL SCIENCE (OHSS) SYSTEMS APPROACH Speaker: Dr. Laura C. Streichert, One Health Commission, Switzerland			
February 17, 2022	ASSESSING THE CLINICAL ACCURACY OF A HAND HYGIENE SYSTEM Speaker: Dr. Marco Bo Hansen, Copenhagen University Hospital, Denmark			
March 3, 2022	(FREE Teleclass Denver Russell Memorial Teleclass Lecture) BENEFITS AND POTENTIAL UNINTENDED CONSEQUENCES OF ROUTINE CHLORHEXIDINE BATHING IN HEALTHCARE FACILITIES Speaker: Prof. Mary Hayden, Rush University Medical Center, Chicago			

