

Advancing Infection Control Capacity & Education (ACE): COACHING TO CERTIFICATION

Session 9: Preventing and Controlling the Transmission of Infectious Agents – Part 1

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Q1: The primary focus of the IP should be:

- a. Infection control
- b. Infection prevention
- c. Cost savings
- d. Reduced Liability



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Q2: All of the following would be considered prevention strategies to reduce the transmission of infections in a healthcare setting except:

- a. Implementing an influenza vaccine program for employees
- b. Educating staff in PPE usage
- c. Decolonization of MSRA-positive patients prior to surgery
- d. Instituting use of bleach for cleaning C.difficile patient rooms



Q3: The epidemiological chain of transmission includes a model of dynamic interaction, where a change in any component alters the existing equilibrium. This model is particularly useful in the study of infectious diseases. How can an IP use the chain of transmission during outbreak investigations?

- a. Examination of host factors such as increasing antimicrobial resistance as a result of antibiotic pressure
- b. Examination of host factors such as changes in immunity or diagnostic/therapeutic procedures within populations
- c. Consideration of agent factors such as improving influenza vaccination rates for health care workers
- d. Consideration of agent factors such as a change in cleaning agents used in the hospital environment



Q4: Methods to prevent the transmission of C. difficile infection include:

- 1) Hand washing with soap and water
- 2) Environmental cleaning and disinfection
- 3) Closing the unit for deep cleaning
- 4) Laundry and waste management controls

- a. 1, 2
- b. 2, 4
- c. 1, 3
- d. 3, 4



Q5: A healthcare worker has called the IP to ask the reasoning behind the policy that prohibits employees who have patient contact from wearing artificial fingernails. Which of the following reasons would she give to this employee?

- a. There is strong evidence that artificial nails are associated with HAIs
- b. HCP with artificial nails are more likely to have more Grams-negative bacteria under their nails than HCP with natural nails
- c. Artificial nails often puncture gloves, exposing healthcare worker to blood and body fluids
- d. HCP with artificial nails do not perform hand hygiene as often as HCP with natural nails



Q6: Which of the following is the primary method to prevent influenza?

- a. Annual vaccination
- b. Handwashing
- c. Droplet precautions
- d. Promotion of respiratory hygiene/cough etiquette

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Q7: Which interventions are designed to limit the spread of respiratory illnesses in outpatient settings?

- a. Sterilization monitors
- b. Aseptic technique
- c. Respiratory hygiene/cough etiquette
- d. Symptom-based evaluation

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Q8: Which of the following Transmission-based Precautions category require a negative airflow room?

- a. Contact Precautions
- b. Airborne Precautions
- c. Droplet Precautions
- d. Standard Precautions

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Q9: A patient with a positive **HBsAg** must be dialyzed. Which of the following are the best measure to prevent transmission of disease.

- 1) Perform treatment in a separate room or area
- 2) Use a dedicated machine and equipment
- 3) Perform the treatment at the end of the day
- 4) Schedule the treatment on a separate day with other positive HBsAg

- a. 1,2
- b. 2,4
- c. 3,4
- d. 1,3



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Q10: When coordinating an active surveillance culture (ASC) plan, the IP should incorporate all the following recommendations from the CDC except:



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- a. Provide additional personnel to obtain cultures and additional laboratory personnel to process the cultures
- b. Monitor adherence to Standard Precautions
- c. Provide a mechanism for communicating results to health care providers
- d. Measure outcomes to evaluate the effectiveness of the ASC program and contact precautions

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Q11: Which of the following patient care units would be the best choice for conduction surveillance on wound infections with drug-resistant Gram-negative rod bacteria to prevent outbreaks?

- a. The Burn Unit
- b. The Orthopedic Medical-Surgical Unit
- c. The CICU
- d. The General Medical/Surgical Unit

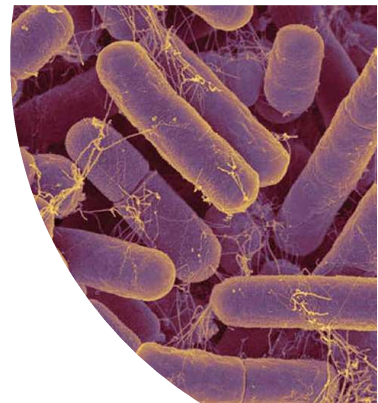


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Q12: Which of the following would be an appropriate method to evaluate the quality of an infection prevention program?

QUALITY



- a. The total number of areas where surveillance was carried out in the past year
- b. The average amount of time that elapsed between receiving reports from the lab about patients with multi-drug-resistant infections and placing those patients on appropriate isolation precautions
- c. The number of IPs in the program per the number of beds
- d. The average amount of money spent on isolation gowns this year as compared to last year

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Q13: Which of the following has a low risk of transmission from sexual contact?

- a. Hepatitis B
- b. Hepatitis C
- c. HIV
- d. Syphilis

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Q14: The Hemodialysis Department at a hospital completes a monthly water culture testing. The results are over the limit for colony-forming unit (CFU/mL). Which of the following actions should be done first?



- a. Notify the physician
- b. Initiate daily water culture testing
- c. Disinfect the system
- d. Notify the Infection control Department

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Q15: An IP conducts an audit of the kitchen at an acute care facility. Which of the following would be a concern?

- a. Food servers wearing a plain wedding band
- b. Vegetables stored below raw meat in the refrigerator
- c. Nonabsorbent cutting boards
- d. Food stored 6 inches above the floor



Photo Credit: [Max Vakhtbovych](#)

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Q16: The safe temperature range for cold food storage is:

- a. 41°F/5°C or lower
- b. 42°F to 50°F/5.6°C to 10°C
- c. 50°F to 55°F/10°C to 12.8°C
- d. Less than 60°F/15.6°C



Photo Credit: [Polina Tankilevitch](#)

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