

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

Session 22: Education and Research – Part 3

Presented on May 30, 2023, by Roza Tammer, MPH, CIC



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Q1: Which classroom setup best promotes interaction between learners and teachers?

- a. Stadium or auditorium style with clear sight lines and good acoustics
- b. Rectangular conference tables that promote a more formal space for learning
- c. Classroom style with straight rows of desks that also provide writing surfaces
- d. A horseshoe shape that also provides writing surfaces



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**Question 118 from Practice Test 3 in
the CIC Certification Study Guide**

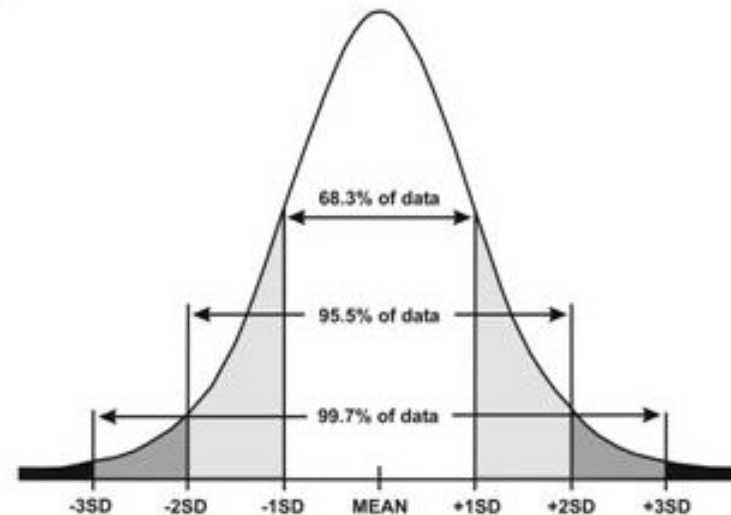
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Q2: The infection preventionist (IP) has completed a series of education programs and summarized both the mean and standard deviation (SD) for four groups of participants. Which set of scores indicates the most consistent level of performance among the attendees?

- a. Group 1: Mean 88 SD 6.4
- b. Group 2: Mean 87 SD 3.5
- c. Group 3: Mean 90 SD 15.8
- d. Group 4: Mean 92 SD 20.3



<https://www.cdc.gov/csels/dsepd/ss1978/lesson2/section7.html>



Question 124 from Practice Test 3 in the CIC Certification Study Guide

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Q3: Which of the following statements is true regarding the evaluation of an educational program?

- a. The evaluation should only be done at the end of the program
- b. Evaluation measurements must be consistent with the objectives of the program
- c. The evaluation always includes one-on-one interviews to assess the ability of the individual learner to perform
- d. The evaluation should not be used to monitor the behavior change - this is the role of the presenter



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**Question 130 from Practice Test 3 in
the CIC Certification Study Guide**

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Q4: Which of the following studies is experimental rather than observational?

- a. Cohort
- b. Clinical trial
- c. Case-control
- d. Cross-sectional



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**Question 131 from Practice Test 3 in
the CIC Certification Study Guide**

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Q5: Adult learners are often motivated to learn by:

- 1) The need for new skills
- 2) Professional standard mandates
- 3) Desire for promotion and increased salary
- 4) Changing cultural expectations

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



Page 174, Question from Chapter 8
in the CIC Certification Study Guide

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Q6: The healthcare facility has established a goal of improving infection prevention competency with hand hygiene among all staff. Which of the following education and training approaches should the IP recommend as a priority?

- a. Analysis of human factors that may present unrecognized obstacles for compliance
- b. Attending local/state health department educational programs on hand hygiene
- c. Implementation of a mentoring program based on peer-to-peer instruction and coaching
- d. Intensified disciplinary actions for employees who do not follow hand hygiene procedures

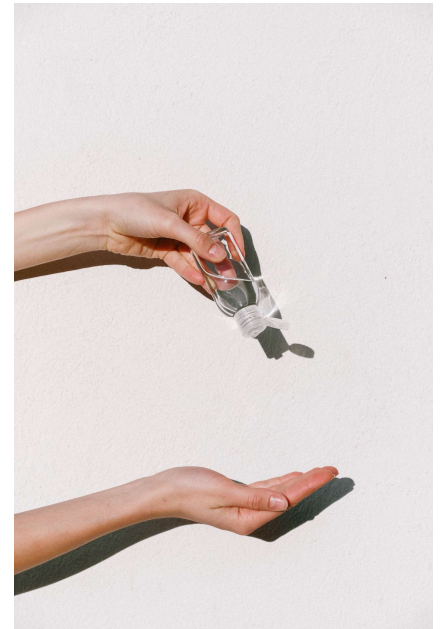


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Q7: Which of the following should be used as a quality improvement measure for infection prevention education programs?

- a. The frequency of classes offered through the year
- b. The average number of attendees per class offered
- c. Summary of pre-/post-test scores for each class
- d. Analysis of program evaluation scores for all classes



Page 174, Question from Chapter 8 in
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Q8: The IP is asked to provide content for a hybrid education program. This model is most often based on:

- a. Attendance at a live event with assigned online follow-up activities
- b. Combination of online and independent study for a specific topic
- c. Independent study with concurrent mentoring from a local expert
- d. Self-assessment of learning needs that is used to develop an instructional plan



**Page 174, Question from
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Q9: Which of the following situations would be best for the IP to apply just-in-time learning principles?

- a. During a 30-minute orientation session for new employees
- b. With staff who repeatedly have problems applying infection definitions
- c. In a medical staff meeting where surveillance priorities are being discussed
- d. For nurse managers evaluating monthly infection trend reports



**Page 174, Question from
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Q10: A form of interactive training is often preferred among adult learners. However, in some situations a lecture may represent the best approach. In which of the following situations should the IP consider using a lecture?

- a. When reviewing accreditation survey results for the infection prevention program with managers
- b. When addressing inaccurate data entry of reportable infections by a health data analyst
- c. After observing unsafe disposal of contaminated syringes in the Emergency Department
- d. When discovering employees with influenza-like symptoms providing patient care



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**Page 174, Question from
Chapter 8 in the CIC
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Q11: Programs to build infection prevention competency have traditionally focused on a combination of skill and ability. Today, however, competency may include which of the following additional components?

- 1) Emotional intelligence
 - 2) Cultural diversity
 - 3) Communication methods
 - 4) Effectiveness within a team
-
- a. 1,2,3
 - b. 2,3,4
 - c. 1,3,4
 - d. 1,2,4



**Page 174, Question from
Chapter 8 in the CIC
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Q12: The director has requested that the IP summarize the results of an education program presented to five different groups within the institution. The director specifically requests that the method used not only indicate the overall mean score for each group but also aid a simple comparative analysis for all who participated. The best data display technique to summarize these five would be:

- a. A line list
- b. A pie chart
- c. A bar chart
- d. A spreadsheet



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**Page 174, Question from
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Q13: Many infection prevention educational programs address behavioral change. To achieve sustainable success following initial training, the IP must focus on which aspect of behavior?

- a. Avoidance of behavior change
- b. Repetition and reinforcement
- c. Need for approval and recognition
- d. Critical thinking and judgement



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Q15: In which of the following infection prevention topics is the required educational content for employees most clearly described by a U.S. regulatory agency?

- a. Hand hygiene monitoring systems
- b. Environmental cleaning of hard surfaces
- c. Active surveillance for methicillin-resistant *Staphylococcus aureus* in hospitals
- d. Preventing employee exposure to bloodborne pathogens

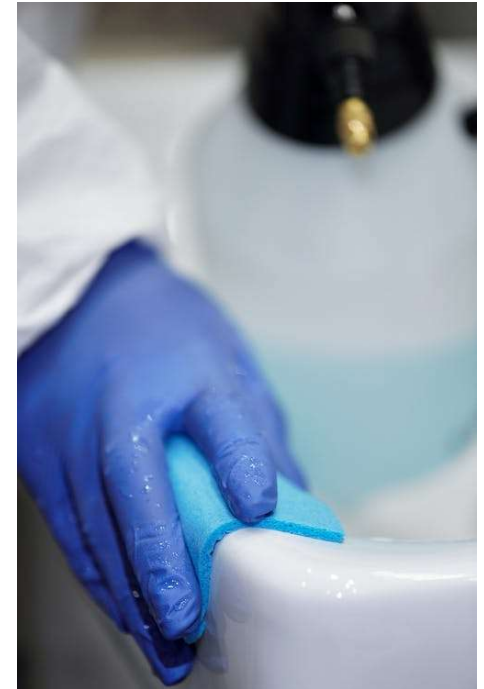


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