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

Session 21: Education and Research – Part 2

Presented on May 23, 2023, by Roza Tammer, MPH, CIC



HEALTHCARE-ASSOCIATED INFECTIONS PROGRAM
Public Health Division



Q1: An IP is writing instructional objectives for a learning module on catheter-associated bloodstream infections. He wants to focus on the cognitive level of “Analysis” from Bloom’s Taxonomy. Which of the following choices contains the verbs he should use to describe his learning objectives?

- a. Compare, discriminate and differentiate
- b. Define, identify and select
- c. Discuss, explain, and paraphrase
- d. Judge, summarize and recommend



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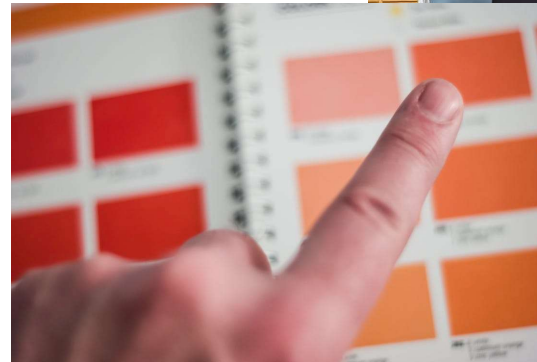


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**Question 58 from Practice Test 2 in
the CIC Certification Study Guide**

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Slide 2

TP0

Corrected my own little typo on this and the next slide

Tammer Roza P, 2023-05-18T15:54:46.556



Q2: The following factors should be considered when preparing the environment for an educational program:

- 1) Providing an atmosphere of mutual respect and support
- 2) Establishing a comfortable environment conducive to learning
- 3) Encouraging interaction by arranging desks in straight rows
- 4) Having a person control and troubleshoot the environment as needed

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



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**Question 79 from Practice Test 2 in
the CIC Certification Study Guide**

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Q3: The infection preventionist (IP) is designing a new hand hygiene intervention for healthcare personnel (HCP) based on the Health Belief Model. According to that model, which of the following is/are examples of “modifying factors” in the hand hygiene intervention?

- a. The ages and genders of the people for whom the intervention is being designed
- b. Signs posted in the unit that remind HCP to perform hand hygiene
- c. The perception of how much time it will take HCP to perform hand hygiene compared to the potential for hand hygiene to prevent infection in patients
- d. The belief among the target audience that they will be able to comply with hand hygiene 100 percent of the time

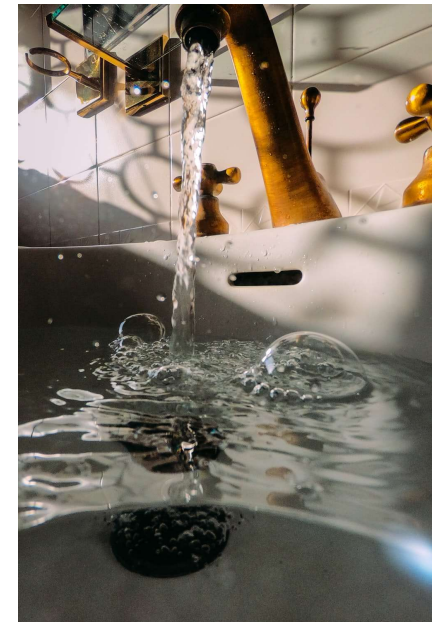


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Q4: Which of the following statements is accurate about adult learners?

- a. They do not readily speak out if their learning needs are not being met
- b. They have a preference for academic knowledge rather than practical knowledge
- c. Most older adults have the same technological capabilities as younger adults
- d. They are more likely to transfer knowledge to practice if education sessions are interactive

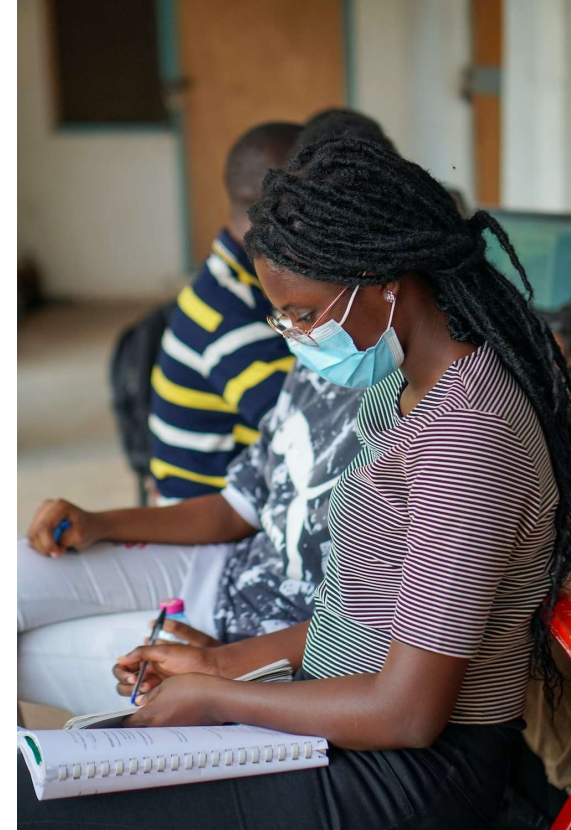


Photo by [K Kwarteng](#) from Unsplash



? **Q5:** An IP is planning an educational program for hospital nursing staff to improve compliance with infection prevention strategies. Please choose the approach that should be used to ensure an effective learning experience for those who attend.

- a. Provide food and drinks to all who attend as well as sufficient breaks and have a raffle to entice attendance
- b. Plan the educational offering by developing goals and objectives and determining the teaching method to use
- c. Use a slide presentation that periodically provides humor to the presentation to ensure attention
- d. Provide continuing education credits and handouts for future reference



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? **Q6:** An IP has been asked to present an educational program to a group of HCP who are culturally different from him. What is the best approach to developing an effective program in this case?

- a. Develop the program without taking cultural diversity into account, but allow the learners to ask questions while he is teaching
- b. Be aware of potential cultural differences, but do not incorporate them into the program
- c. Outline the major points of the educational program, and ask the audience to work together to identify culturally appropriate examples of the major points
- d. There is no need to take cultural diversity into account because that does not change the learning objectives of the educational program



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Q7: Which of the following would be best studied via qualitative research?

- a. The effect of preoperative bathing with chlorhexidine gluconate (CHG) on surgical site infection (SSI) rates
- b. Declining influenza vaccination rates in HCP
- c. MRSA colonization rates in dialysis patients
- d. Reoccurrence of *C. difficile* in nursing home patients

TP0

Patients with Catheters

6 TIPS to prevent Dialysis Infections

U.S. Department of Health and Human Services
Centers for Disease Control and Prevention
www.cdc.gov/kid www.cdc.gov/dialysis/patient

TIP 1
Catheters have a higher risk of infection. Ask your doctor about getting a fistula or graft instead.

TIP 2
Learn how to take care of the catheter at home. Do not get it wet.

TIP 3
Wash your hands often, especially before and after dialysis treatment.

TIP 4
Know the steps your healthcare providers should take when using the catheter for treatment.

TIP 5
Know the signs and symptoms of infection and what to do if you think you might have an infection.

TIP 6
Know what to do if you have any problem with the catheter.

<https://www.cdc.gov/dialysis/pdfs/Dialysis-Patient-PocketGuide.pdf>



Question 129 from
Practice Test 2 in the
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Slide 8

TP0

italicized organism name (c diff) on this and the next slide

Tammer Roza P, 2023-05-18T16:02:33.555

? **Q8:** Which part of a published research study contains a brief summary of the entire research process with interpretation of data, conclusions from the data, limitations of the study and recommendations for further research?

- a. Introduction
- b. Methods
- c. Results
- d. Discussion



**Question 16 from
Practice Test 3 in the
CIC Certification Study
Guide**

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? **Q9:** Which would be the most objective method to determine the need for education about hand washing for a group of employees on a unit?

- a. Observational studies
- b. Personal interviews
- c. Focus group discussions
- d. Test development



**Question 41 from Practice Test 3 in
the CIC Certification Study Guide**

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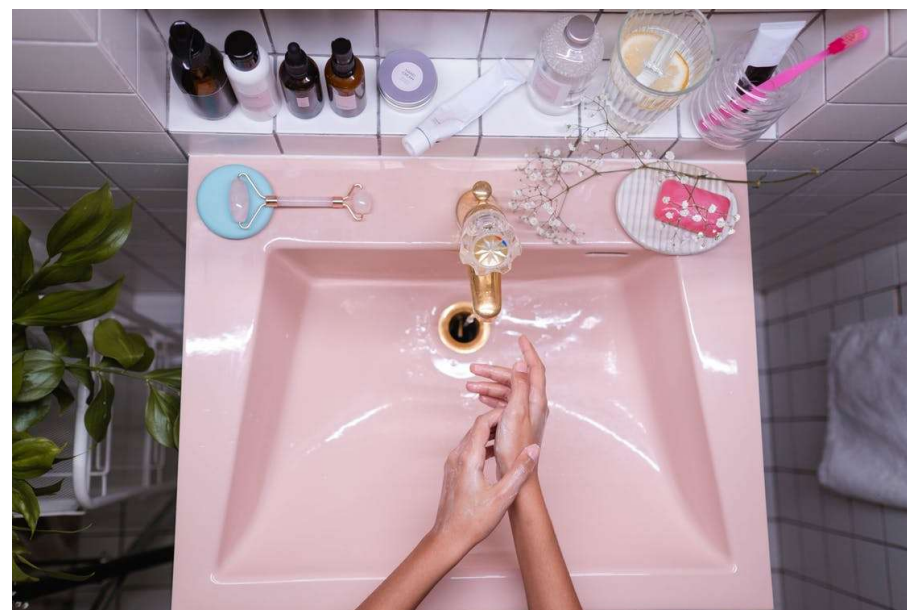


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Q10: An IP is interested in evaluating whether her educational program on utilizing personal protective equipment (PPE) has led to applied changes in practice. What is the best method of determining this?

- a. Use a pretest and posttest evaluation to see how knowledge of PPE use has changed after the educational program
- b. Use of formative evaluation of the program so she can make necessary changes before it is implemented
- c. Use exit questionnaires to find out whether participants intend to implement their new knowledge in a practice situation
- d. Ask the supervisor to collect data on direct observation of practice





Q11: Subjects are said to be randomly assigned when:

- a. They are assigned to experimental and control groups from a sample representative of the larger experimental group
- b. They have an equal chance of being assigned to either the experimental or the control group
- c. They are assigned to experimental and control groups so that the groups differ on a critical variable
- d. Both the researcher and the subject are blinded as to know whether the subject is in the control group or the experimental group



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Q12: Which of the following educational tools is most effective to bridge the learning gap between theory and actual practice?

- a. Case study
- b. Lecture
- c. Computer-based training
- d. Game

CDM0



Make your intention
INFECTION PREVENTION
INTERNATIONAL INFECTION PREVENTION WEEK | OCTOBER 17-23, 2021

Infection Prevention Word Search

L	F	K	U	J	H	E	V	S	R	M	M	W	V	Q	B	J	N	L	N
L	F	K	D	F	G	T	P	E	N	B	I	I	Z	S	X	O	Q	O	A
O	S	J	B	P	A	I	X	I	K	O	R	C	U	B	I	M	I	C	F
R	R	M	U	A	D	M	A	M	D	U	I	R	R	T	B	T	U	B	Z
T	D	F	R	V	J	M	X	I	S	E	V	T	N	O	A	M	R	K	W
N	I	F	U	E	Y	U	L	E	D	E	M	E	U	Z	B	P	Z	F	L
O	X	N	M	D	G	N	S	X	I	S	V	I	I	A	N	E	K	X	O
C	U	N	F	X	G	I	Q	L	N	E	K	L	O	S	C	U	S	P	Q
N	T	O	Z	W	H	Z	L	L	R	B	I	Q	H	L	Y	E	M	V	N
O	Q	P	S	W	L	A	J	P	U	R	L	M	K	N	O	Z	R	V	O
I	T	S	X	U	N	T	R	S	E	V	O	L	G	T	V	G	H	P	I
T	V	N	Y	C	C	I	F	T	I	Z	R	R	L	C	C	L	Y	O	T
C	N	E	E	E	E	O	S	P	A	T	H	O	G	E	N	S	K	U	A
E	K	C	W	I	Y	N	X	O	E	Y	P	P	A	X	W	C	D	T	N
F	S	S	R	M	U	N	N	J	S	Z	N	E	C	Q	J	O	M	B	I
N	G	S	J	X	V	N	N	A	V	O	L	G	L	J	M	C	G	R	C
I	E	R	B	D	I	S	L	N	X	K	Q	M	J	X	O	T	W	E	C
T	G	I	L	Q	A	D	I	S	I	N	F	E	C	T	I	O	N	A	A
R	E	N	E	I	G	Y	H	D	N	A	H	N	Z	M	H	Z	B	K	V
C	C	A	C	V	L	N	E	E	H	T	J	F	O	A	L	F	S	Y	P

Word Bank

- DISINFECTION
- EPIDEMIOLOGY
- GERMS
- GLOVES
- HAND HYGIENE
- IMMUNIZATION
- INFECTION CONTROL
- MICROBES
- OUTBREAK
- PATHOGENS
- PRECAUTIONS
- PREVENTION
- STERILIZATION
- SURVEILLANCE
- VACCINATION
- VIRUSES

Download more games, puzzles, and resources to share with your colleagues!
Visit <https://infectionpreventionandyou.org> for more resources to promote infection prevention.

<https://infectionpreventionandyou.org>



Question 69 from Practice Test 3 in
the CIC Certification Study Guide

Slide 13

CDM0 Roza - do you have the source link for this?
Christina Dionisio-Martinez, 2023-05-17T01:34:54.429

TP0 0 The source link is in the image itself
Tammer Roza P, 2023-05-18T16:05:55.545

? **Q13:** Which of the following refers to the ability to evaluate, compare, analyze, critique, and synthesize information?

- a. Inductive thinking
- b. Critical thinking
- c. Transductive thinking
- d. Deductive thinking

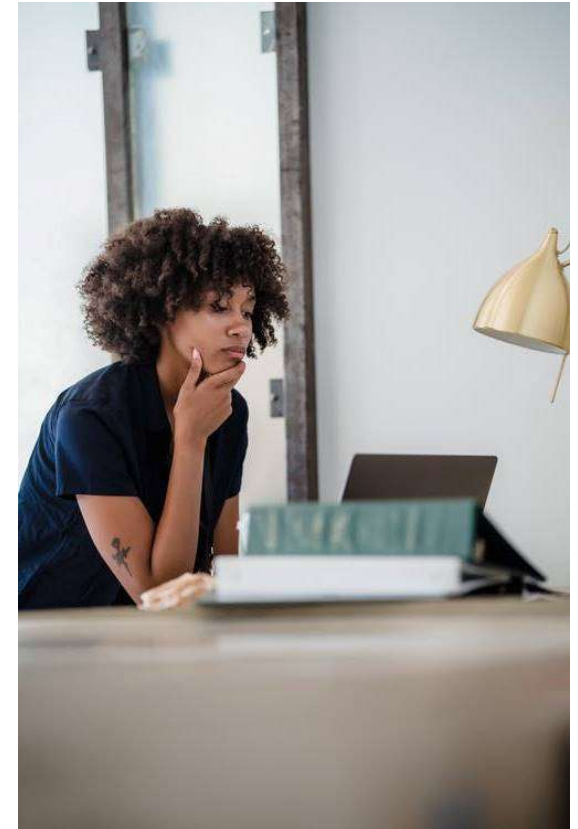
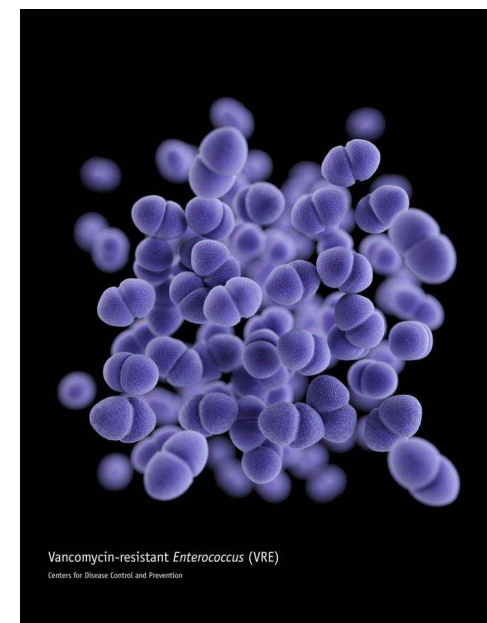


Photo by [Mizuno K](#) from Pexels



? **Q14:** In a case control study of the association between exposure to long-term nursing care and the outcome of vancomycin-resistant enterococcus (VRE) colonization, the authors report an odds ratio of 2.3. How should this odds ratio be interpreted?

- a. The study is flawed because a relative risk (RR) should have been calculated
- b. The risk of being placed in long-term nursing care is 2.3 times higher for people with VRE than without VRE
- c. VRE cases have 2.3 times the odds of having had exposure to long-term nursing care than non-VRE cases
- d. There is no association between VRE colonization and exposure to long-term nursing care



CDM0

<https://phil.cdc.gov/Details.aspx?pid=16882>



Slide 15

CDM0 Roza - is this from CDC?
Christina Dionisio-Martinez, 2023-05-17T01:35:25.433

TP0 0 Yes, sorry! Here is the link: <https://phil.cdc.gov/Details.aspx?pid=16882>
Tammer Roza P, 2023-05-18T16:08:42.987