



4514

**Infection Control In The  
Home Settings**

*Leader Guide*

# NATIONAL EDUCATIONAL VIDEO, INC.™

## INFECTION CONTROL IN HOME HEALTH

### HCAH39

**HCAH39 INFECTION CONTROL FOR HOME HEALTH.** This program uses the concepts “clean, cost and common sense” in applying infection control strategies in the home setting. *Video running time: 25 minutes (2 contact hours).*

NOTE TO FACILITATORS: Demonstration of proper handwashing technique is also included.

THIS PROGRAM IS DESIGNED TO BE A COMPONENT OF YOUR HOME HEALTH AGENCY'S INFECTION CONTROL PROGRAM. IT IS NOT INTENDED TO BE A COMPREHENSIVE INFECTION CONTROL PROGRAM.

### OBJECTIVES

At the conclusion of this program, the Home Health Aide will be able to:

1. Describe ways to promote client hygiene in the home setting.
2. List three disinfectants that may be used in the home setting.
3. Relate ways to manage laundry that prevent spreading infection.
4. Describe how to dispose of waste in the home setting.
5. Discuss a particular home health agency's policies on infection control in the home.

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#### GLOSSARY OF KEY TERMS

Bacteria:	Germs that invade living organisms or inanimate objects but are not viruses.
Disinfecting:	To destroy many or all disease-causing microorganisms (except their spores) from an inanimate object by applying a liquid chemical to the surface.
Fungi:	Organisms that include yeast, molds and mushrooms.
Infection control:	Preventing the spread of microorganisms from one person to another.
Gastrointestinal infection:	Microorganisms that invade the stomach or intestines.
Personal protective equipment:	Gowns, aprons, masks, booties, scrub caps, goggles and special eyeglasses.
Universal precautions:	Guidelines designed to protect workers with occupational exposure to bloodborne pathogens. Recommended by the Center for Disease Control in 1985 and mandated by OSHA in 1991.
Urinary tract infection:	Invasion of the kidneys, ureters and bladder with microorganisms.

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## The Nursing Process

The nursing process is a systematic method of problem solving. It is based on the scientific method. The nursing process is called "process" because it is ongoing. These are the steps of the nursing process:

**Assessment:** This is the systematic, ongoing collection of information from multiple sources. Assessment is done when a nurse interviews a client and the client's significant others. A physical assessment of the client is also completed observing the following: laboratory data, daily client actions, assessing the client's ability to carry out daily activities, symptoms and the client's response to treatment. In long term care, resident assessment instruments are used to provide a comprehensive multi-disciplinary assessment.

**Problem Identification or Nursing Diagnosis:** Assessment data leads to identifying client strengths and client problems. These may be actual problems the client currently experiences, or potential problems that may occur with that client in the future. Problems are stated and related to a cause or influencing factor.

**Planning:** The systematic steps that the nurse will enact, with others, to assist the client to meet the goals (or outcomes) that are set. For each problem, a measurable, specific goal is identified. The plan includes nursing actions, based on aspects of nursing theory, nursing science, other sciences, and research findings. The beliefs and values of the nursing profession as well as the values of the client are taken into account.

**Implementation:** Carrying out the plan.

**Evaluation:** This is the systematic process of examining each client goal-related outcome to determine if it were met and to revise the plan accordingly. Evaluation may also identify the resources that are needed for the client or the health care provider in their continuing plan of care.

## Professional Nursing Roles

As the nurse carries out the nursing process, the nurse enacts a variety of professional roles. These are:



These roles may overlap. In the clinician role, the nurse may provide direct "hands on" care, or may assess a client's needs and direct others to provide services to meet those needs. The nurse may conduct client and family teaching in a teaching role. The nurse may also teach other health professionals when a multidisciplinary team addresses the client's needs. The nurse is a client advocate when collaborating with the client, finding resources for the client, and acting on behalf of the client. The nurse is a leader when planning and assigning the care of a client to others, maintaining overall responsibility and accountability for that care, assisting other members of the health care team to set and meet goals or when providing resources to other health care providers.

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### PRETEST

Circle **T** if the following statements are true. Circle **F** if the statements are false.

- |   |   |   |
|---|---|---|
| T | F | 1. Home health aides need to use universal (standard) precautions in the home setting.  |
| T | F | 2. Home health aides can carry infections from one client's home to another client's home.  |
| T | F | 3. Clients cannot infect their family members.  |
| T | F | 4. Family members can infect the client.  |
| T | F | 5. Home health aides need to keep cost in mind when they recommend cleaning products for clients' homes.                                  |
| T | F | 6. Home health aides can help prevent infections through cleaning the client's environment.   |
| T | F | 7. Keeping a client clean and dry helps to prevent many infections, including urinary tract and skin infections.                          |
| T | F | 8. Clients with infections need to have their dishes washed in bleach if there are other people in the home.                              |
| T | F | 9. If the client uses a walker, the home health aide should make sure that the walker is cleaned on a regular basis.                      |
| T | F | 10. If the home health aide has a question about personal protective equipment in the home, the aide should ask the nursing supervisor. □ |

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**DISCUSSION QUESTIONS**

1. According to your home health agency's policy, how are home assessments done?
2. What do you do when the client and family members have poor personal hygiene?
3. What kinds of disinfectants do you use in clients' homes?
4. Are there any supplies that you usually bring to a new client's home? If so, what are they?
5. How do you find out whether or not you will need personal protective equipment (PPE) when you are assigned to a new client?
6. What is your home health agency's policy regarding cleaning or disinfecting client equipment?

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### POST TEST

Choose the response that most accurately answers the following questions:

1. Cleaning means:
  - a. to kill all micro-organisms
  - b. to remove dirt, grime, grease and debris
  - c. to sterilize
  - d. to disinfect
  
2. The purpose of a home assessment is:
  - a. to check what items are available to protect you from getting an infection
  - b. to check what items are available to protect the client from getting an infection
  - c. to check what items are available to protect the client's family from infection
  - d. all of the above
  
3. Home health aides need to be more careful than ever about infection control in the home because:
  - a. clients are leaving the hospital "sicker and quicker"
  - b. there are more elderly clients in home care
  - c. there are many infectious organisms that resist treatment with antibiotics
  - d. all of the above
  
4. In home care, it is important to wear gloves:
  - a. whenever you clean an incontinent client
  - b. whenever you do dishes
  - c. whenever you prepare food
  - d. all of the above
  
5. What is the best way to prevent carrying infectious organisms ("germs") from one client's home to another:
  - a. wash your hands before you leave a client's home, and when you first arrive at a another client's home
  - b. encourage clients to sneeze or cough into a tissue
  - c. clean all client laundry in that client's home
  - d. carry out your used gloves when you leave a client's home

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**POST TEST** *(Continued)*

6. When a client has an infectious disease, and he lives with other family members, the client's dishes should be washed:
  - a. in boiling water
  - b. with bleach
  - c. in an alcohol solution
  - d. in hot soapy water
  
7. When you handle raw chicken to prepare a client's meal, it is most important to:
  - a. use a bleach solution to wash the dishes and pan
  - b. cook the chicken until it is pink inside
  - c. wash your hands thoroughly when you are done handling the chicken
  - d. cut the raw chicken on a cutting board, then cut vegetables for the meal on the cutting board, then wash the board afterwards
  
8. You have a bedridden client who is incontinent of a bowel movement. When you clean his sheets, it is important to:
  - a. wear gloves
  - b. dump the bowel movement from the sheets into the toilet
  - c. wash the sheets in hot soapy water, with bleach, if available
  - d. all of the above
  
9. Your client is a diabetic woman who gives herself her insulin injection every day. Where should she put her used needles?
  - a. in a plastic garbage bag
  - b. in a puncture-resistant, labeled plastic box
  - c. in a glass jar with no lid
  - d. in an empty tissue (such as Kleenex) box
  
10. Your client is on oxygen, and you see that the inside of the oxygen tubing has green clumps growing in it. What should you do?
  - a. turn off his oxygen
  - b. call your supervisor
  - c. tell his wife to clean the tubing in boiling water
  - d. remove the tubing and soak it in bleach



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**ANSWER SHEET**

**PRETEST**

1. T
2. T
3. F
4. T
5. T
6. T
7. T
8. F
9. T
10. T

**POST TEST**

1. b
2. d
3. d
4. a
5. a
6. d
7. c
8. d
9. b
10. b

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#### RESOURCE ADVISOR

**DEBORAH UNSWORTH, M.S. ARNP:** Received her Bachelor of Science Degree from the University of South Florida and her Master of Science Degree from State University of New York. She has worked as a nurse since 1973 in the areas of med-surg, obstetrics and ER. She has been a nurse practitioner and women's health educator since 1990 and is currently the Director of Education at National Educational Video, Inc.

**NEVCO®** video educational programs are prepared using specific criteria designed by NATIONAL EDUCATION VIDEO, Inc. All educational programs are coordinated and reviewed under the direction of the **NEVCO®** Director of Education, who is a master's prepared nurse.

#### REFERENCES

Guidelines for hand hygiene in health-care settings. (Oct. 25, 2002). *Morbidity and Mortality Weekly Report*, 51 (RR-16), 16-18.

Infections associated with home health care focus of health experts. (2001). *Centers for Disease Control and Prevention*. Retrieved March 17, 2002 from <http://www.cdc.gov/od/oc/media/pressrel/rak0306a.htm>

Friedman, M., & Rhinehart, E., (2000). Improving infection control in home care: From ritual to science-based practice. *Home Healthcare Nurse*, 18 (2), 99-105.

Weinstein, R., (2000). Nosocomial infection update. *Emerging Infections Diseases*, 4 (3), 1-7.

Terpstra M., (2001). The correlation between sustainable development and home hygiene. *American Journal of Infection Control*, 29 (4), 211-217.

While NEVCO® strives to remain current with federal and state regulatory requirements, the information contained in this program is always subject to governmental amendment. Therefore, we suggest that you contact your state and federal authorities for any possible revisions to regulatory requirements.

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**Participant Evaluation of Objectives**

For each of the objectives listed below, use the rating scale  
**0= no, 1=partially, 2 =yes**  
to rate whether the learning objectives were  
**achieved, relevant, and if materials were effective**

	Achieved	Relevant	Effective Material
1. Describe ways to promote client hygiene in the home setting.	_____	_____	_____
2. List three disinfectants that may be used in the home setting.	_____	_____	_____
3. Relate ways to manage laundry that prevent spreading infection.	_____	_____	_____
4. Describe how to dispose of wastes in the home setting.	_____	_____	_____
5. Discuss a particular home health agency's policies on infection control in the home.	_____	_____	_____

Do you feel you met personal objectives? \_\_\_\_\_

Time required to complete this program? \_\_\_\_\_ minutes

Return this form with the Participant Evaluation to your facilitator who distributed the learning materials.

**Thank you!**



NEVCO® Account # \_\_\_\_\_

## REQUEST FOR CERTIFICATES FOR CONTACT HOURS

**TYPE** the NAMES, LICENSE NUMBERS AND JOB TITLES (RN, LPN, MSW, CNA, PT, etc.) of the people who are to be issued a certificate for contact hours for attending the continuing education program:

\_\_\_\_\_  
(Facility Name)

\_\_\_\_\_  
(Title and Number of Video Program)

This request must be submitted along with the completed roster and evaluation sheets for the above named program.

NAME	LICENSE NO.	JOB TITLE
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 599 9<sup>th</sup> Street N., Suite 207  
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[www.nevcoeducation.com](http://www.nevcoeducation.com)

# FACILITATOR'S EVALUATION

(NEVCO® Video Education Program)

Must be completed by the facilitator

## EVALUATION OBJECTIVES:

- (1) To assess extent to which the program was appropriate, adequate and effective.
- (2) To identify, continue to develop and evaluate effective quality assurance activities.

Title of Program \_\_\_\_\_ Date \_\_\_\_\_

Place of Employment \_\_\_\_\_ Job Title \_\_\_\_\_

Please evaluate the presentation by circling the number that best describes your rating.

4 – Excellent    3 – Good    2 – Average    1 – Poor

### ORGANIZATION OF COURSE

Material was organized to facilitate learning	4	3	2	1
The amount of material covered was adequate and accurate	4	3	2	1
There was effective use of time to cover the subject	4	3	2	1

### CONTENT OF THE FACILITATOR'S GUIDE

List total number of objectives in this facilitator's guide \_\_\_\_\_

List by number the objectives that were met \_\_\_\_\_

The test material reflected the objectives listed	4	3	2	1
Content can be used to improve nursing practice	4	3	2	1
Content reflected knowledge level and needs of learner	4	3	2	1
The material was current	4	3	2	1

#### Evaluate Test Questions

Pre-Test	4	3	2	1
Discussion Questions	4	3	2	1
Post-Test	4	3	2	1

### FACULTY PRESENTING (Video)

The presentation was	4	3	2	1
The presenter explained the material	4	3	2	1
The presenter demonstrated knowledge of material	4	3	2	1

### OVERALL RATING

I felt this teaching method was	4	3	2	1
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**COMMENTS** – *(Please make suggestions for future topics and additional comments about the presentation or instructor)*

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# CONTINUING EDUCATION ROSTER

This form must be completed and returned to NEVCO®.  
 Keep a copy for your facility, but return the original to NEVCO®.

**PRINT OR TYPE**                      **Account #** \_\_\_\_\_

Number and title of Video Program \_\_\_\_\_

Dates Given \_\_\_\_\_

Contact Hours \_\_\_\_\_

Name of Facility \_\_\_\_\_

Address of Facility \_\_\_\_\_

City/State/Zip \_\_\_\_\_

RN Facilitator \_\_\_\_\_ Signature \_\_\_\_\_

National Educational Video, Inc.™ is an approved provider of continuing education. State Board provider numbers: Florida NCE2896, Alabama 5-97.0, California CEP8803 and Kentucky 7-0045.

This activity provided by National Educational Video Inc. is approved as a provider of continuing education in nursing by Alabama State Nurses Association, which is accredited as an approver of continuing education in nursing by The American Nurses Credentialing Center's Commission on Accreditation.

## ROSTER OF PARTICIPANTS

Participant Name	Participant Signature	License #	Soc. Sec. #
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<b>Participant Name</b>	<b>Participant Signature</b>	<b>License #</b>	<b>Soc. Sec. #</b>
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# Certificate of Completion

*This is to certify that*

---

*Attended and Completed*

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National Educational Video, Inc.<sup>TM</sup> Program Number and Title

*For* \_\_\_\_\_ *contact hours*

*On* \_\_\_\_\_

Date

---

Facility / Agency Name

---

Facility / Agency Address

---

RN / Facilitator

## CERTIFICATE FOR ASSISTANTS ONLY

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This activity provided by National Educational Video Inc. is approved as a provider of continuing education in nursing by Alabama State Nurses Association, which is accredited as an approver of continuing education in nursing by The American Nurses Credentialing Center's Commission on Accreditation.

### **CERTIFICATE OF COMPLETION**

**For each participant who has successfully completed a continuing education program, please make a copy of the blank NEVCO Certificate (on reverse side) and fill in the following information:**

- 1. Name of the learner**
- 2. Program title and number**
- 3. Number of contact hours**
- 4. Date the program was completed**
- 5. Name and address of your Agency / Facility**
- 6. Signature of the RN / Facilitator responsible for offering the program**