

## Post-Test

You may use the learning package to look up answers to the following questions. Write the best answer on the answer sheet (page 38). **Please be sure to complete all test items.**

1. Which of the following is true about ethical practices and studies?
  - a. If a university researcher accepts formula for the participants in his study, he is violating the WHO *Code of Marketing of Breast-milk Substitutes*.
  - b. Readers of a study are more likely to be skeptical of its results when the researchers have received corporate funding.
  - c. A study's funding source(s) must be approved by the Institutional Review Board.
  - d. In general, the results of the study are no more likely to be positive when the researchers have received corporate funding than when they have not.
2. A true experimental study must have all of the following EXCEPT:
  - a. a random sample
  - b. a convenience sample
  - c. a control group
  - d. an intervention
3. Which of the following is designed to show cause and effect?
  - a. descriptive studies
  - b. case studies
  - c. quasi-experimental studies
  - d. experimental studies
4. The part of the paper that provides detailed info about the instruments used in the study is the:
  - a. methodology section.
  - b. statistical analysis section.
  - c. results section.
  - d. discussion section.
5. Stuebe et al<sup>37</sup> state that the odds ratio (OR) for type 2 diabetes in women who ever breastfed was 0.97 (95% confidence interval, 0.91–1.02) compared with women who had never breastfed. This means that the researchers are
  - a. 95% confident that the odds of having type 2 diabetes are between 0.91 and 1.02.
  - b. 95% confident that the odds of having type 2 diabetes are between and 0.91 and 0.97.
  - c. 95% confident that the odds of having type 2 diabetes are between .97 and 1.02.
  - d. 5% sure that breastfeeding women will develop type 2 diabetes.
6. When reading a qualitative study, which of the following would be especially important to look for?
  - a. a review of the literature describing many related studies
  - b. use of several data collection techniques
  - c. use of a double-blind approach
  - d. the presence of a Rosenthal effect

*continued on the next page*

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7. When several quasi-experimental studies have shown that providing a treatment is beneficial and withholding the treatment is harmful, which of the following should occur thereafter?
  - a. Continue to use the same study design as similarly as possible to the previous ones; replication strengthens believability of the studies.
  - b. Continue to use the same study design, but allow the subjects to determine if they want to be in the treatment or the no-treatment group; randomization is no longer necessary.
  - c. Try a different study design and challenge the results; accepting the status quo does not advance science.
  - d. Offer the treatment to all subjects; the efficacy of the treatment has been established.
8. Hanna and colleagues<sup>55</sup> reported that freezing significantly decreased the anti-oxidant capacity of human milk ( $p < 0.001$ ) more than refrigeration. What does this tell you?
  - a. There is a moderate possibility that the decrease is due to chance alone.
  - b. There is a very slim possibility that the decrease is due to chance alone.
  - c. The null hypothesis is well-proven, and should be accepted.
  - d. The test for anti-oxidant reduction was not valid or reliable.
9. De Onis and colleagues<sup>56</sup> conducted a time series study of prevalence of underweight, defined as weight 2 standard deviations below the mean weight-for-age of the National Center for Health Statistics and World Health Organization (WHO) reference population. When you begin reading their study, you immediately know that you can
  - a. assume these infants weigh very close to the mean for their population.
  - b. generalize the results to most premature or low birthweight infants.
  - c. disregard the results of their study for babies in the United States.
  - d. think of these infants as fairly atypical within their population.
10. Hansen et al<sup>57</sup> conducted a randomized controlled trial to determine if metoclopramide would be more effective than a placebo in enhancing milk volume. Women were enrolled within 96 hours of delivering their infants, and the study continued until they were 17 days postpartum. In this study, what kind of test would you expect to be used, and why?
  - a. A parametric test, because of the randomization and interval data.
  - b. A non-parametric test, because of the randomization and interval data.
  - c. A parametric test, because of the placebo-control and ordinal data.
  - d. A parametric test, because of the longitudinal design and the ordinal data.

## Post-Test Answer Sheet

### Answers to Post-test

Please make sure to completely fill in each circle you select.

	A	B	C	D
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Statement from Participant

I have:

- Completed the 10-question true/false pre-test on page vi.
- Read the self-learning package.
- Completed learning activity # \_\_\_\_\_, on pages 30–32.
- Completed the open-book post-test on pages 36–37 **without assistance from others.**
- Marked answers to the post-test **in the spaces to the left.**
- Completed and returned the evaluation of the package on pages 39–40.
- Understood that payment is for the opportunity to earn credits and is not refunded if I do not pass the post-test.
- Enclosed my payment.

By signing below, I declare that the above statements are true.

Signed \_\_\_\_\_

If IBCLC, date of certification: \_\_\_\_\_

### We will not grade your post-test until you mail or fax all of the following materials:

- Package evaluation
- This sheet, completed and signed
- Payment for \$25.00 (Check, Visa, MasterCard, American Express or Discover) to:

Breastfeeding Outlook  
Dept. CE, PO Box 387, Herndon VA 20172-0387  
Fax: 703-787-9895

Name \_\_\_\_\_ Organization \_\_\_\_\_

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

### Please select a payment method for the continuing education fee of \$25.00

- Check enclosed     Visa     MasterCard     American Express     Discover

Name on card \_\_\_\_\_

Card Number # \_\_\_\_\_ Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

## Evaluation

Our aim is to provide high-quality learning resources for health care professionals. We need your help! Now that you have used this resource, please let us know what you think! **Please make sure to completely fill in each circle you select.**

	Excellent	Good	Fair	Poor
1. The extent to which the package met the stated objectives:				
• Describe the research process from the formulation of the research question through the dissemination of findings . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Discuss ethical responsibilities related to the research process. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Define basic terminology used in research studies. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Distinguish between research studies and other types of papers that are published in professional journals . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Describe the parts of a research paper . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Describe two broad categories of research and several specific types of research designs . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Describe several statistical techniques in terms of when they would be used and values that are meaningful for clinical application. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Define nominal, ordinal, and interval levels of measurement and explain how they are related to statistical techniques used . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Extent to which content increased/updated my knowledge of the content presented.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Package was clear and easily understood . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Quality of learning activities (pages 30–32). . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Theoretical information given was relevant to exam situations. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Effectiveness of the package:				
Provided helpful illustrations to explain text . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stimulated critical thinking . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Integrated scientific data with real-life clinical situations. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Rate the following:				
Extent to which my personal objectives were met. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Satisfaction with ordering and shipping. . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clarity of instructions for completing the package . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Overall, this self-learning package was: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Professional Credentials (check all that apply)				
___RN	___MD	___FACCE or other childbirth certification		
___Certified by NCC	___CLC	___CLE		
___CNM	___IBCLC	___CBE		
___RD	___CLE	___Other _____		

10. Mark all of the reasons you purchased this package:

- To accumulate needed credits for IBCLC certification or re-certification.
- Needed the continuing education credits [CPEs, CEUs, contact hours] for other professional reasons.
- Wanted to update and increase my professional knowledge.
- Unable to attend classes/conferences in other locations.
- Price was right.
- Could do the work on my own time.
- Other \_\_\_\_\_

11. Mark the one main reason you purchased this package:

- To accumulate needed credits for IBCLC certification or re-certification.
- Needed the continuing education credits [CPEs, CEUs, contact hours] for other professional reasons.
- Wanted to update and increase my professional knowledge.
- Unable to attend classes/conferences in other locations.
- Price was right.
- Could do the work on my own time.
- Other \_\_\_\_\_.

12. How did you find out about this learning package?

- Course or conference display.
- Ad on the worldwide web.
- Heard from friend or colleague.
- Flyer in the mail.
- Ad in *Journal of Human Lactation*.
- Other \_\_\_\_\_.

13. Would you recommend this package to a colleague?

- Yes
- No, because \_\_\_\_\_

14. What suggestions do you have for improving this package?

15. Would you buy a self-learning package again?

- Yes
- No, because \_\_\_\_\_

16. What other topic(s) would you recommend for future self-learning packages?

17. Other comments?

