Essentials of Biostatistics in Public Health 4th edition Sullivan Test Bank

SKU: 9781284288735-TEST-BANK

Essentials of Biostatistics for Public Health, Fourth Edition
Lisa Sullivan
Test Bank

Import Settings:
Base Settings: Brownstone Default
Information Field: Complexity
Information Field: Ahead
Information Field: Subject
Highest Answer Letter: D
Multiple Keywords in Same Paragraph: No

Chapter: Chapter 02 - Quiz

Multiple Choice

1. The minimization of bias and confounding in clinical trials is obtained through the use of which of the following?
A) Screening of study participants during recruitment to eliminate variation among participants
B) The establishment of stringent inclusion criteria to ensure participants that are all similar
C) The elimination of variation through the establishment of detailed exclusion criteria
D) Randomization of study participants to make groups comparable in all respects
Ans: D
Complexity: Easy
Ahead: Randomized Study Designs
Subject: Chapter 2

2. A researcher is interested in determining the current prevalence of rheumatoid arthritis in the United States. Which type of study would be most useful in estimating the prevalence of rheumatoid arthritis in the United States?
A) A nested case-control study
B) A cross-sectional survey
C) A randomized clinical trial
D) A case series
Ans: B
Complexity: Difficult
Ahead: The Cross-Sectional Survey
Subject: Chapter 2

3. A number of patients have been admitted to a particular hospital with similar symptoms and the cause of the illness is unknown. Which type of study design would be most helpful in determining a potential cause of the illness?
A) A randomized clinical trial
B) A case series
C) A retrospective cohort study
D) A case-control study
Ans: B
Complexity: Difficult
Ahead: The Case Report/Case Series

Copyright © 2023 by Jones & Bartlett Learning, LLC, an Ascend Learning Company

Essentials of Biostatistics in Public Health 4th edition Sullivan Test Bank

Subject: Chapter 2

4. Misclassification bias is most likely to be observed in which study type?
A) A randomized clinical trial
B) A cross-sectional survey
C) A prospective cohort study
D) A case-control study
Ans: D
Complexity: Easy
Ahead: The Case-Control Study
Subject: Chapter 2

5. A graphical display showed a strong positive association between ice cream sales and the number of drownings in a particular state. Which of the following most likely explains this observation?
A) Placebo effect
B) Recall bias
C) Confounding
D) Misclassification bias
Ans: C
Complexity: Moderate
Ahead: Vocabulary
Subject: Chapter 2

True/False

1. True or False? An active-control trial is the most appropriate design for testing a newly devised treatment for a life-threatening illness when there is an effective treatment is available for the illness.
Ans: True
Complexity: Moderate
Ahead: Randomized Study Design
Subject: Chapter 2

2. True or False? In experimental studies, the treatment or exposure is assigned to participants.
Ans: True
Complexity: Moderate
Ahead: Randomized Study Designs
Subject: Chapter 2

3. True or False? Intention-to-treat analysis is only conducted among individuals who fully complied with a study's protocols.
Ans: False
Complexity: Easy
Ahead: Vocabulary

Copyright © 2023 by Jones & Bartlett Learning, LLC, an Ascend Learning Company

Essentials of Biostatistics in Public Health 4th edition Sullivan Test Bank

Subject: Chapter 2

4. True or False? Extremely rare side effects of medications studied in clinical trials are more likely to be observed in cohort studies conducted during post-marketing-surveillance because of the limited number of participants in clinical trials.
Ans: True
Complexity: Difficult
Ahead: More on Clinical Trials
Subject: Chapter 2

5. True or False? The wash-out period is included in a crossover trial so that any therapeutic effects of the first treatment are removed, prior to the administration of the second treatment.
Ans: True
Complexity: Easy
Ahead: The Crossover Trial
Subject: Chapter 2

Copyright © 2023 by Jones & Bartlett Learning, LLC, an Ascend Learning Company

Essentials of Biostatistics in Public Health 4th edition Sullivan Test Bank