



Test Bank

Which of the following is an example of vehicleborne transmission?

- A) Mosquitoes carrying malaria
- B) Measles carried by dust or droplet nuclei in the air
- C) Hepatitis A virus in contaminated water
- D) Ticks transmitting Lyme disease

Answer C

What distinguishes vectorborne transmission from other forms of indirect transmission?

- A) It involves inanimate objects like handkerchiefs and toys.
- B) It requires purely mechanical means of transport by the vector.
- C) It involves infectious agents carried by droplets in the air.
- D) It often involves growth or changes in the infectious agent within the vector.

Answer: D

Which of the following best describes a risk factor in relation to a disease?

- A) Any factor negatively associated with a disease ($RR < 1$).
- B) Any factor positively associated with a disease ($RR > 1$).
- C) Any factor that has no association with a disease.
- D) Any factor that has an unknown association with a disease.

Answer: B

If a Relative Risk (RR) is calculated to be 2.5, how would you characterize the strength of association?

- A) High association.
- B) Moderate association.
- C) Weak association.
- D) No association exists.

Answer: A

If a Relative Risk (RR) is calculated to be 0.8, what can be inferred about the association between the exposure and the outcome?

- A) There is a high association.
- B) There is a moderate association.
- C) There is a weak association.
- D) There is a negative association (protective effect).

Answer: D

What is the main consequence of bias on the estimate of an exposure's effect?

- A) It always results in an overestimation of the effect.
- B) It may lead to either an overestimation or underestimation of the effect depending on the direction of the systematic error.
- C) It always leads to an underestimation of the effect.
- D) It has no impact on the estimate.

Answer: B

Which of the following best defines the term "systematic" in the context of bias?

- A) Deliberate introduction of errors in the study design.
- B) Unintentional errors that can be corrected during the study.
- C) Errors introduced due to random chance.
- D) Errors that cannot be fixed once introduced into the study.

Answer: D

Which criterion for causation emphasizes that larger exposures are associated with higher rates of disease, and reducing exposure leads to lower rates of disease?

- A) Temporality
- B) Biological gradient (dose-response)
- C) Biological plausibility
- D) Experimental evidence

Answer: B

What is the term for the criterion that states a cause and effect relationship should align with the known biological understanding at the time?

- A) Biological plausibility
- B) Experimental evidence
- C) Other criteria
- D) Biological gradient

Answer: A

What information does the Chi-square statistic provide in relation to the association between categorical variables?

- A) It measures the strength of the association.
- B) It only determines if there is an association.
- C) It assesses the reliability of the data.
- D) It calculates the critical value.

Answer: B

Which of the following statements about preventive factors is true?

- A) They are associated with an increased occurrence of a disease.
- B) They are associated with a decreased occurrence of a disease ($RR < 1$).
- C) They are not amenable to change.
- D) They have no association with a disease.

Answer: B

How does the infectiousness of a disease affect the herd immunity level?

- A) It has no effect on the herd immunity level.
- B) The more infectious the disease, the lower the herd immunity level.
- C) The more infectious the disease, the higher the herd immunity level.
- D) It only affects the spread of the disease, not the herd immunity level.

Answer: C

What is the critical immunization threshold level needed to control measles?

- A) 80%
- B) 90%
- C) 94%
- D) 70%

Answer: C

اللهم اجعل الأطفال في فلسطين محميين وأمنين، وارزقهم الفرحة
والطمأنينة في حياتهم. اللهم ارفع الحصار عن غزة وانصر أهلها
على الظلم والعدوان. اللهم ارحم الشهداء في فلسطين وأجرهم
وأدخلهم فسيح جناتك. 🙏

لا تنسوهم من دعائكم ، وفقنا الله وإياكم