

## Self-quiz for the topic of Prevention and Health risk assessment

Q1. John Snow's investigation of cholera is considered a model for epidemiologic field investigations because it included a (Choose all correct answers.):

- A. Biologically plausible hypothesis
- B. Comparison of a health outcome among exposed and unexposed groups
- C. Multivariate statistical model
- D. Spot map
- E. Recommendation for public health action

Q2. A number of passengers of a flight from Prague to Zanzibar via Amsterdam after getting to the destination developed a respiratory illness compatible with coronavirus. Testing for coronavirus is not readily available in any nearby island, and the test takes several days even where available. Assuming you are the epidemiologist called on to the recreation center on one of the islands and investigate this possible outbreak, your case definition should include, at a minimum: (Choose one best answer)

- A. Clinical criteria, plus specification of time, place, and person
- B. Clinical features, plus the exposure(s) you most suspect
- C. Suspect cases
- D. The nationally agreed standard case definition for disease reporting

Q3. When analyzing surveillance data by age, which of the following age groups is preferred? (Choose one best answer)

- A. 1-year age groups
- B. 5-year age groups
- C. 10-year age groups
- D. Depends on the disease

Q4. A study in which children are randomly assigned to receive either a newly formulated vaccine or the currently available vaccine, and are followed to monitor for side effects and effectiveness of each vaccine, is an example of which type of study? (Choose all correct answers.)

- A. Experimental
- B. Observational
- C. Cohort
- D. Case-control
- E. Clinical trial

Q5. The epidemiologic triad of disease causation refers to: (Choose one best answer)

- A. Agent, host, environment
- B. Time, place, person
- C. Source, mode of transmission, susceptible host
- D. John Snow, Robert Koch, Kenneth Rothman

Q6. A propagated epidemic is usually the result of what type of exposure?

- A. Point source
- B. Continuous common source
- C. Intermittent common source
- D. Person-to-person