

Sample exam questions for Introduction to Epidemiology and Public Health - Part I

Note: Questions can be multiple choice (indicate the one correct answer) or multiple response (squares → indicate all answers that are correct).

1. To be causally associated with disease, the etiological factor should fulfill the following criteria: Indicate all that apply.
- The factor is present in all subjects with the disease.
 - Elimination of the factor reduces risk of the disease.
 - The exposure to this factor should precede the development of the disease.
 - The factor is more prevalent among those with the disease than among those without the disease.

2. During a study of 20 years five people are followed to measure the occurrence of upper respiratory tract infection. As this infection can occur more than once, all disease events are included in this study.
- 1 person is lost to follow-up after 1.5 years.
 - 2 persons died respectively after 10 and 15 years from a different cause.
 - 1 person got the first respiratory tract infection after seven years and the second infection after 12 years of follow-up. Both infections take half a year of recovery. This person is followed-up until the end of the study.
 - One person is followed-up the whole period without occurrence of disease.

What is the incidence rate in this study ?

- a. 0.06 per person-year
 - b. 0.03 per person-year
 - c. 0.15 per person-year
 - d. 0.08 per person-year
3. What is the fraction of cases with the disease among the exposed that is attributable to the exposure?

	Unexposed	Exposed
Disease	9	17
No disease	7	5

- a. 0.27
 - b. 0.60
 - c. 0.30
 - d. 0.77
4. The incidence rate (IR) differs from the incidence proportion (IP) because...
- a. IP can be assessed in a closed population, IR not.
 - b. IR can be assessed in an open population, IP not.
 - c. IP takes competing mortality into account; IR does not.

Epidemiology Comprehensive Exam Sample Questions

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