

community medicine

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source : slides , osmosis , lecturio

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Epidemiology and biostatistics

The science of the mass phenomena of infectious diseases or the natural history of infectious diseases is the definition of -----

Select 1 correct answer

A Frost 1927

B J.M. Last 1988

C Stallbrass 1931

1-

founder of demography in London is :

Select 1 correct answer

A William Farr

B John Graunt

C Hippocrates

D James Lind

2-

(Prevalence/Incidence) ----- is an indicator of how widespread a disease is.

Select 1 correct answer

A Incidence

B Prevalence

3-

A B B

A test that is unreliable cannot be valid

Select 1 correct answer

A TRUE

B FALSE

4-

which one is incorrect about Population Screening ?

Select 1 correct answer

A fecal occult blood testing to detect colorectal cancer or adenomas

B Screening of newborns for phenylketonuria (PKU) to prevent mental retardation

C PSA smears to detect cervical neoplasia

D Screening programs for hypertension and diabetes to prevent complications

5-

The Framingham Heart Study is a longitudinal ----- study pioneered the identification of "risk factors" for heart disease, and this ongoing and ambitious study continues to contribute to the understanding of heart disease

Select 1 correct answer

A Case series

B Cohort study

C Case control study

D Case report

6-

Framingham Study is still going; it has been renewed for an additional six years in 2018

Select 1 correct answer

A True

B False

7-

A C B B

Which of the following terms describes a disease with worldwide distribution that affects a large amount of the population?

- A Epidemic
- B Outbreak
- C Fatality
- D Mortality
- E Pandemic

8-

which one is mismatch between the disease and its exit route ?

Select 1 correct answer

- A toxoplasmosis by crossing the placenta from mother to fetus
- B *Sarcoptes scabiei* in scabies skin lesions
- C blood-sucking insects (malaria)
- D schistosomes through respiratory tract

9-

(Prevalence/Incidence) ----- is the number of new cases of a disease during a certain period of time divided by the number of people at risk in the population.

Select 1 correct answer

- A Incidence
- B Prevalence

10-

The first step of outbreak investigation?

- A Confirm
- B Control
- C Determine causes
- D Describe

11-

E D A A

which one is incorrect way of transmit of hepatitis ?

A mother to baby -
Hepatitis C

B none is true

C cuts or needles in
the skin - hepatitis B

D water - Hepatitis A
virus

E all are true

12-

A factor is (necessary/sufficient) ----- in a causal relationship if it is needed to instigate the development of disease.

A sufficient

B necessary

13-

not true about TIME DISTRIBUTION ?

A cholera needs
continuous exposure to
well contaminated
water-cholera

B food poisoning is
Short term
fluctuation

C GI infection in
winter

D Minamata disease
continuous exposure to
well contaminated fish-
methylmercury

E lung cancer is
Secular trend

14-

In ----- stage , there could be immediate actions to control the outbreak, if the mode of transmission is known.

A John Graunt

B Describe

C Any stage

15-

which one is mismatch zoonotic diseases ?

A brucellosis - cows

B trichinellosis - rodents

C rabies - bats

D anthrax - sheep

16-

“healthy mind in health body”

A John Graunt

B James Lind

C John Snow

D Hippocrates

17-

The null hypothesis in a chi-square test is that there (is/is not) _____ a difference between what is observed and what is expected.

18-

who is Mary Mallon, or Typhoid Mary ?

A Minamata disease
continuous exposure to well contaminated fish-methylmercury

B This is usually when there is no cases 2 years after the first Case had been identified

C she was an asymptomatic chronic carrier of Salmonella Typhi. As a cook , she unintentionally infected dozens of people

19-

When the outbreak is over?

A This is usually when there is no cases after 3 periods of incubation.

B This is usually when there is no cases after 2 periods of incubation.

C This is usually when there is no cases 2 years after the first Case had been identified

D This is usually when there is no cases 2 years after the first Case had been died

20-

B D (IS NOT) C B

-----which are the reservoirs for the causative organism Legionella pneumophila

A cooling towers

B human

C dogs - bats

21-

----- the sample size can eliminate sampling bias.

Select 1 correct answer

A Decreasing

B Increasing

22-

The mean is calculated by summing up all the values in the data set then (dividing/multiplying) -----by the number of these values.

Select 1 correct answer

A dividing

B multiplying

23-

The-----of a certain set of values is the value that is most repeated.

Select 1 correct answer

A median

B mean

C mode

24-

Any probability must lie between zero and (value)----- .

25-

A B A C (ONE)

sphygmomanometer is unreliable measurement of blood pressure

Select 1 correct answer

A FALSE

B TRUE

26-

The use of a ----- can help to determine the real effects of a treatment as well as its side effects.

Select 1 correct answer

A placebo

B data

C same therapy

27-

When calculating the probability that two independent events will happen together, we have to (multiply/divide) ----- the probability of the two events.

Select 1 correct answer

A divide

B multiply

28-

When events are (dependent/independent) -----, the probability of one to happen does not affect the probability of the other occurring.

Select 1 correct answer

A independent

B dependent

29-

The square root of variance is called the _____.

30-

A A B A (standard deviation)

The (variance/range) ----- is the result of subtracting the lower value of the data set from the highest value.

Select 1 correct answer

A variance

B range

31-

When is a case-control study particularly useful?

A When the exposure is rare

B When the outcome is rare

C When the outcome is fatal

D When controls are randomly selected

32-

The (mean/median/mode)----- is the middle number in a range of values after arranging them numerically.

Select 1 correct answer

A mode

B median

C mean

33-

A B B

GOOD LUCK 🙄