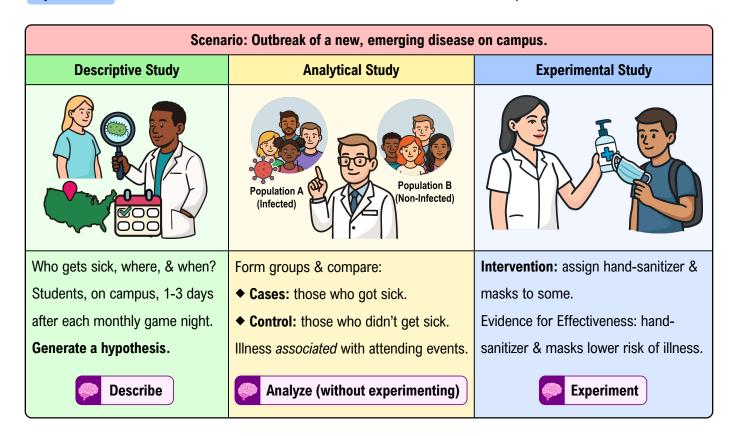
TOPIC: EPIDEMIOLOGICAL STUDIES

Types of Epidemiological Studies

- ◆ **Descriptive:** finds patterns answering *WHO* is affected & *WHERE/WHEN* disease occurred (generates hypotheses).
- ◆ Analytical: observationally _____ groups to find associations that propose WHY/HOW disease occurred.
- ◆ Experimental: ______ an intervention to some to determine WHAT works to prevent or control a disease.



PRACTICE

A nutritionist is investigating an outbreak of salmonellosis cases in a city over the past month. She collects data on when and where each case occurs but does not attempt to identify a cause yet. Which type of epidemiological study is she conducting?

- a) Descriptive epidemiology.
- b) Analytical epidemiology.

- c) Experimental epidemiology.
- d) A combination of options a, b, & c.

PRACTICE

Which of the following is the best example of analytical epidemiology?

- a) Tracking the number of lung cancer patients in a population over a 50-year period.
- b) Testing effectiveness of a new lung cancer treatment in clinical trials.
- c) A doctor who documents & reports the number of patients at her clinic with lung cancer.
- d) Comparing the rate of lung cancer between 2 groups; one who are smokers & one who are non-smokers.