

hypothesis testing in observational studies



Ask Mish

- if $A \gg C$ then A RISK FACTOR could be highly probable.
- A hypothesis is formulated but cannot be tested in case report and case series report also called **DESCRIPTIVE studies**
- Hypothesis could be verified in cross sectional, case control and cohort study. What we want to see is if $A > C$ due to hazard or the value is statistically significant = **ANALYTICAL studies**
- **Hypothesis testing** : uses **formulas** for each study to see if the association of risk F w/ disease is due to hazard or is statistically significant. Below are the name of formulas used to test this association for each study.
- **cross sectional: chi square**
- **case control: odds ratio**
- **cohort: relative/attributable risk**

	DISEASE	NO DISEASE
EXPOSED	A	B
NON EXPOSED	C	D