



Structure of the Research Question

Observational study

- Indicator or risk factor
- Outcome
- Population

Example: Does smoking increase the risk of lung cancer among young adolescents?

- Indicator or Risk Factor = Smoking
- Outcome = Lung Cancer
- Population = Adolescents

Interventional study (PICO)

- Population
- Intervention
- Comparator
- Outcome

Example 1: Is Remdesivir superior to Dexamethasone in severe COVID-19 patients?

Example 2: Does Remdesivir leads to more survival in severe COVID-19 patients compared to Dexamethasone?

- Population = Severe COVID-19 patients
- Intervention = Remdesivir

- Comparator = Dexamethasone
- Outcome = *Mortality rate*

Diagnostic Test Accuracy Study

- New Test
- Reference Test (index)
- Population

Example : Is C-Fast accurate in Diagnosing HCV virus infection in Egypt?

- New Test = C-fast
- Reference Test (index) = PCR diagnosis
- Population = People with suspected HCV infection in Egypt