

OCCUPATIONAL

EPIDEMIOLOGY

EPIDEMIOLOGIC STUDIES

❖ *OBSERVATIONAL*

DESCRIPTIVE

ANALYTIC

❖ *INTERVENTIONAL*

EPIDEMIOLOGIC STUDIES

➤ *DESCRIPTIVE*

- CASE REPORT

- CASE SERIES

➤ *ANALYTIC*

- CROSS SECTIONAL

- CASE - CONTROL

- COHORT

➤ *INTERVENTIONAL*

- CLINICAL TRIAL

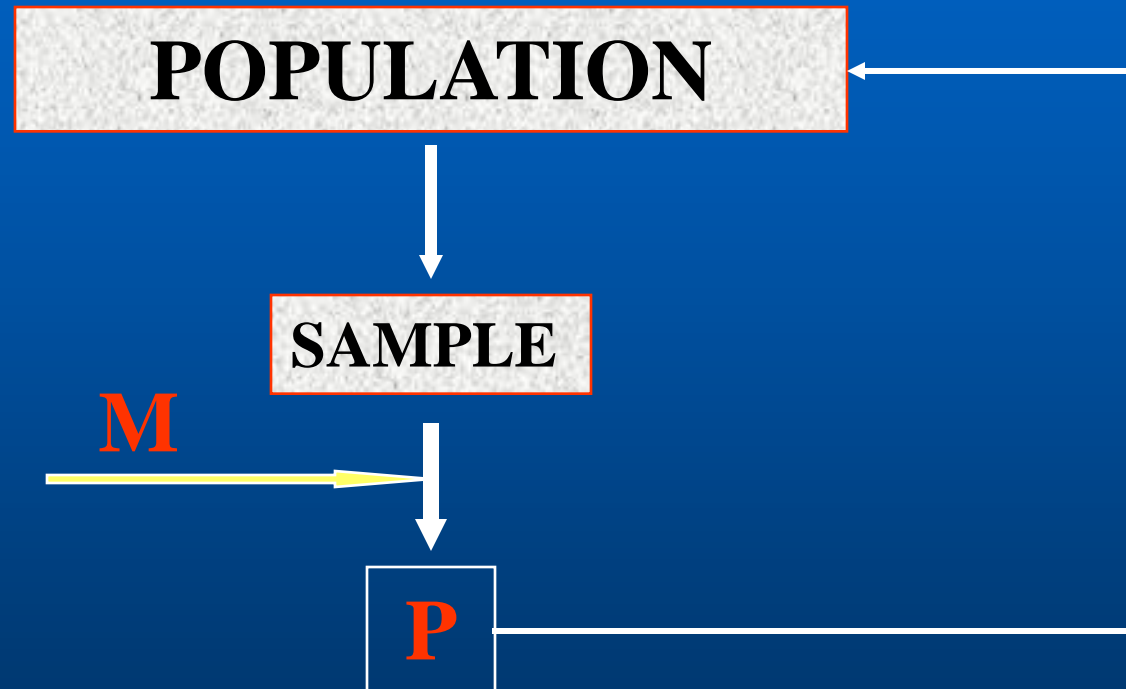
CASE REPORT

STUDY

CASE – SERIES

STUDY

CROSS SECTIONAL STUDY



CROSS SECTIONAL STUDY

1- SAMPLING

METHOD

NUMBER

2- MEASUREMENT

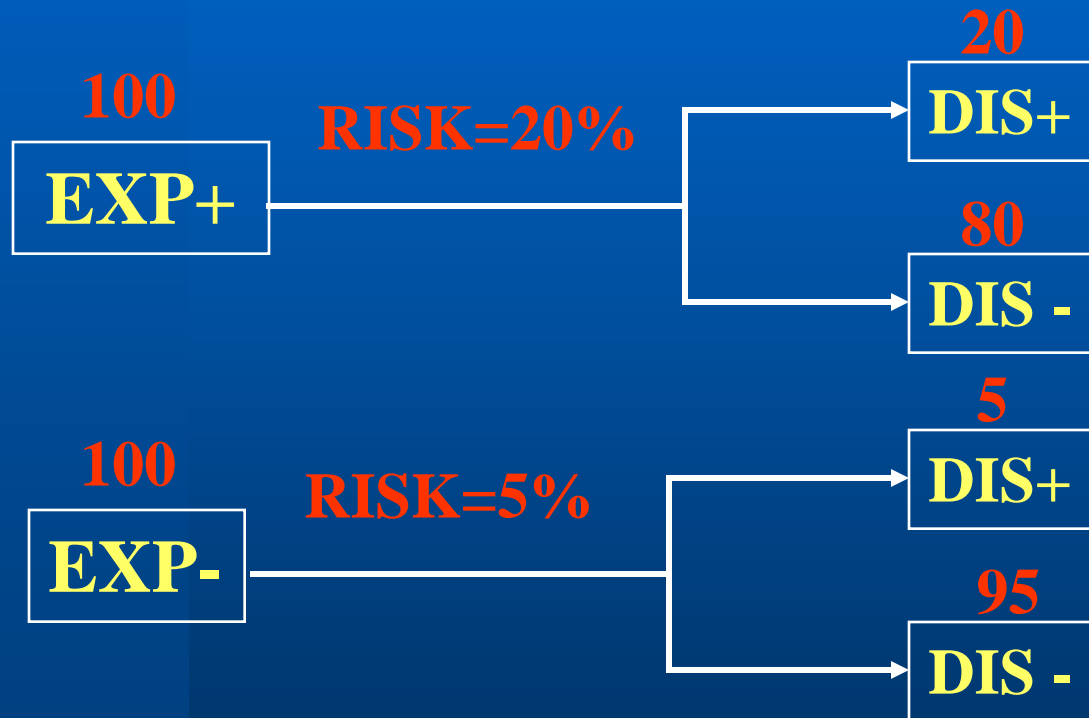
3- PREVALENCE

ANALYTIC STUDY



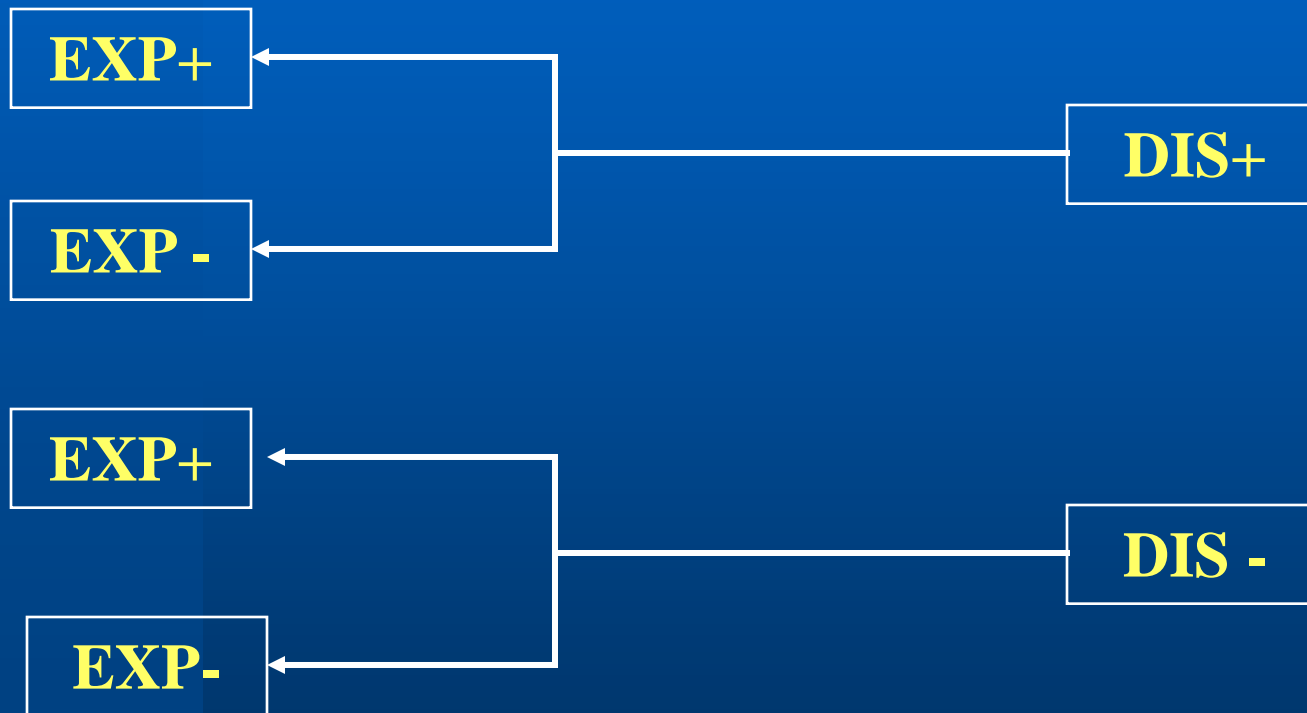
RELATIONSHIP

COHORT STUDY



$$\text{RELATIVE RISK(RR)} = \frac{\text{RISK IN EXP+ GROUP}=20\%}{\text{RISK IN EXP- GROUP}=5\%} = 4$$

CASE – CONTROL STUDY



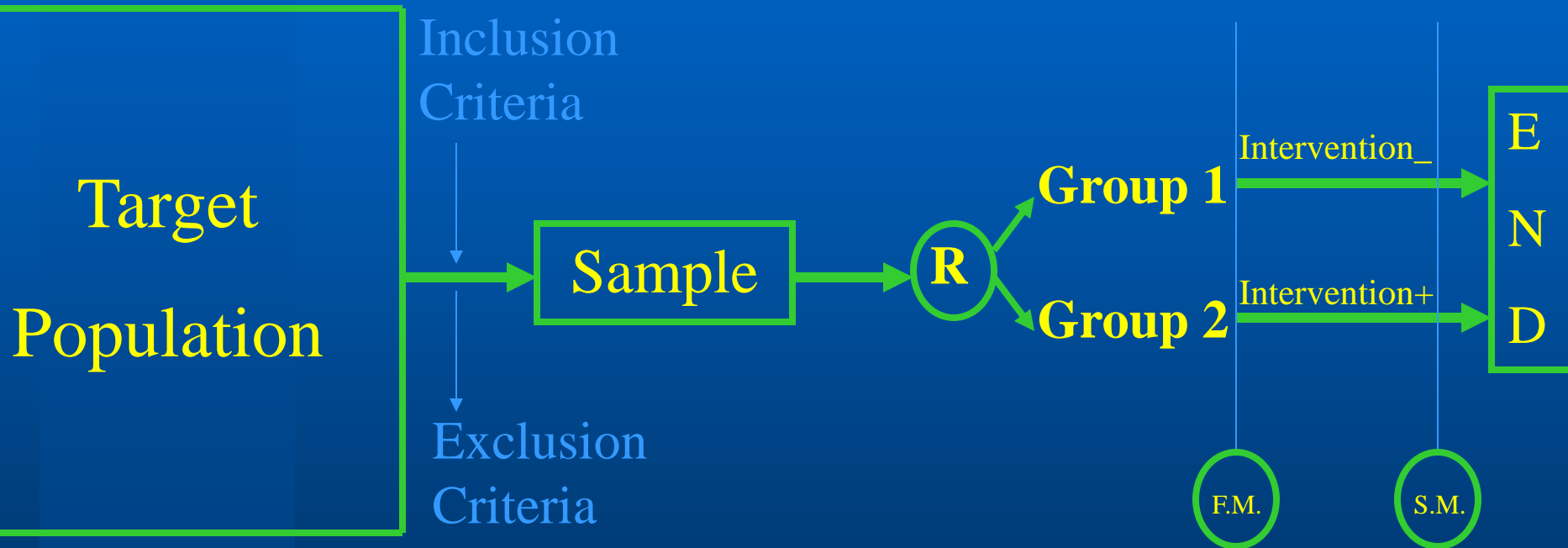
Odd's Ratio = 4

CLINICAL TRIAL

RANDOMIZED CONTROLLED TRIAL (RCT)

- ✓ **ETHICAL ISSUES**
- ✓ **RANDOMIZATION**
- ✓ **CONTROLLING**
- ✓ **BLINDNESS**

Clinical Trial



Ethical Issues Randomization Control Blindness