

**Did investigator  
assign exposures?**

**Yes**

**Experimental Study**

**Random Allocation?**

**Yes**

**No**

**Randomized  
Controlled  
Trials**

**Non-  
Randomized  
Controlled  
Trials**

**No**

**Observational Study**

**Comparison group?**

**Yes**

**No**

**Analytical  
Study**

**Descriptive  
Study**

**Direction?**

Exposure ➡ Outcome

Exposure ⬅ Outcome

Exposure and  
Outcome at  
the same time

**Cohort  
Study**

**Case-  
Control  
Study**

**Cross-  
sectional  
Study**