

Identify primary study effect in meta-analysis



Identify appropriate (composite) effect(s) in primary study based on information in meta-analysis (e.g., outcome variable, conditions, sample size)



Enough data available to calculate (composite) effect(s)?

N

**Incomplete:**  
not enough info  
to reproduce  
effect size value

Y

More than one (composite) effect  
appropriate?

N

Calculate and report effect size



Effect size matches  
meta-analytic effect

N

**Incorrect:**  
effect size value  
not reproduced

Y

**Reproducible:**  
effect size value  
reproduced

Y

Calculate all possible logical  
effects and choose the one  
that is closest to the primary  
study effect reported in the  
meta-analysis



**Ambiguous:**  
effect size value  
ambiguous