

If screening response rate is 60% overall but true rate is higher among ASD cases, Study B overestimates prevalence, weighting by overall response rate:

$$84 \times \frac{1}{0.6} \times \frac{1}{0.7} = 200$$

If screening response rate is 60% overall and for both ASD and non-ASD cases, Study A accurately estimates prevalence, weighting by overall response rate:

$$63 \times \frac{1}{0.6} \times \frac{1}{0.7} = 150$$

Population screening

Diagnostic confirmation

Prevalence estimation