**Effect size estimation methods**

**Required input**

**Statistical approach**

**Planning approach**

Smallest effect size of interest

Stakeholder/sceptical prior

Informed prior

Estimate true effect size based on prior literature

Estimate true effect size based on subjective estimate

Effect size value and any additionally required parameter estimates

**Effect size estimation methods**

Smallest effect size of interest

**Required input**

**Statistical approach**

**Planning approach**

Effect size value and any additionally required parameter estimates

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Design and/or Analysis priors

Design prior

Subjective prior belief distribution

Informed prior distribution

Stakeholder/sceptical prior distribution

Estimate true effect size based on subjective estimate

Estimate true effect size based on prior literature

**Effect size estimation methods**

Smallest effect size of interest

**Required input**

**Statistical approach**

**Planning approach**

Effect size value and any additionally required parameter estimates

Analysis prior  
The prior that will be used in analysis

Design prior   
A probability distribution over effect sizes

Subjective prior belief distribution

Informed prior distribution

Stakeholder/sceptical prior distribution

Estimate true effect size based on subjective estimate

Estimate true effect size based on prior literature

**Effect size estimation methods**

**Required input**

**Statistical approach**

**Planning approach**

Smallest effect size of interest

Stakeholder/sceptical prior

Informed prior

Estimate true effect size based on prior literature

Estimate true effect size based on subjective estimate

Effect size value and any additionally required parameter estimates

Design and Analysis priors Probability distributions over effect sizes as will be analysed and used for planning

Design prior   
A probability distribution over effect sizes

**Effect size estimation methods**

Smallest effect size of interest

**Required input**

**Statistical approach**

**Planning approach**

Effect size value and any additionally required parameter estimates

Prior distributions over required parameters

Analysis prior distribution

Prior distribution(s) over parameters

Stakeholder/sceptical prior distribution

Estimate true effect size based on subjective estimate

Estimate true effect size based on prior literature

analysis priorszz