

Beginning Summary:...

META-ANALYSIS FILE DETAILS

Database File: C:\Program Files\ClinTools\Effect Size Generator\Example-Meta-Analysis-Database.met

Date of Analysis: 07/08/2006

Time of Analysis: 22:36:35

Number of Records included in database: 5

This Analysis Was Conducted On The Following Assessment Device: None Specified

SAMPLE SIZES

Mean Total N: 194.50000

Mean Total N Based On 4 Studies

Minimum Total N: 48.00000

Maximum Total N: 430.00000

Total N (All Studies Together; Assumes Independent Samples): 778.00000

EXPERIMENTAL GROUP MEAN & SD

Exp Group / Group 1 Mean: 30.75000

Exp Group / Group 1 Mean Based On: 4 Studies

Exp Group / Group 1 Minimum: 16.00000

Exp Group / Group 1 Maximum: 45.00000

Exp Group / Group 1 Mean Standard Deviation: 8.57500

Exp Group / Group 1 Mean Standard Deviation Based On: 4 Studies

Exp Group / Group 1 Minimum Standard Deviation: 7.00000

Exp Group / Group 1 Maximum Standard Deviation: 9.10000

CONTROL GROUP MEAN & SD

Control Group / Group 2 Mean: 21.50000

Control Group / Group 2 Mean Based On: 4 Studies

Control Group / Group 2 Minimum: 5.00000

Control Group / Group 2 Maximum: 36.00000

Control Group / Group 2 Mean Standard Deviation: 7.92500

Control Group / Group 2 Mean Standard Deviation Based On: 4 Studies

Control Group / Group 2 Minimum Standard Deviation: 5.00000

Control Group / Group 2 Maximum Standard Deviation: 8.90000

SD USED FOR COHEN'S D CALCULATIONS

Mean Sigma (SD Used) for Individual Cohen's d Calculations: 8.27111

Mean Sigma (SD Used) for Individual Cohen's d Calculations Based On: 4 Studies

Minimum Sigma (SD Used) for Individual Cohen's d Calculations: 6.08276

Maximum Sigma (SD Used) for Individual Cohen's d Calculations: 9.00056

MEAN DIFFERENCES BETWEEN GROUPS

Average Mean Difference: 9.25000

Average Mean Difference Based On: 4 Studies

Minimum Mean Difference: 7.00000

Maximum Mean Difference: 11.00000

Z STATISTICS (NORMAL PROBABILITY STATISTIC)

Mean Z Statistic: 7.0801075

Sum Of Z Statistics: 28.32043

Z Statistics Based On: 4 Studies

UNWEIGHTED COHEN'S D STATISTICS

Mean Cohen's d: 1.16095

Standard Deviation Of Mean Cohen's d: 0.36962

Mean Cohen's d Based On 4 Studies:

Cum & Gedit (2005) where Cohen's d = 1.64399  
Foa & Tolin (2005) where Cohen's d = 1.22215  
Fortnum & Mason (2005) where Cohen's d = 0.77773  
Smith & Jones (2005) where Cohen's d = 0.99994  
Minimum Cohen's d: 0.77773  
Maximum Cohen's d: 1.64399  
Mean Cohen's d -95% Confidence Interval: 0.77150  
Mean Cohen's d -95% Confidence Interval Based On: 4 Studies  
Minimum Cohen's d -95% Confidence Interval: 0.49026  
Maximum Cohen's d -95% Confidence Interval: 1.19058  
Mean Cohen's d +95% Confidence Interval: 1.55040  
Mean Cohen's d +95% Confidence Interval Based On: 4 Studies  
Minimum Cohen's d +95% Confidence Interval: 1.06520  
Maximum Cohen's d +95% Confidence Interval: 2.09740

WEIGHTED (BY TOTAL STUDY N) COHEN'S D STATISTICS

Weighted Mean Cohen's d: 1.03931  
Weighted Mean Cohen's d Based On: 778 Participants  
Weighted Mean Cohen's d Based On 4 Studies:  
Cum & Gedit (2005) where: Cohen's d = 1.64399; N = 100; Weighting = 12.85347%  
Foa & Tolin (2005) where: Cohen's d = 1.22215; N = 48; Weighting = 6.16967%  
Fortnum & Mason (2005) where: Cohen's d = 0.77773; N = 200; Weighting = 25.70694%  
Smith & Jones (2005) where: Cohen's d = 0.99994; N = 430; Weighting = 55.26992%  
Sum Of Mean Cohen's d Effect Sizes Used For Weighting: 4.64381  
Standard Deviation Of Weighted Mean Cohen's d : 0.25999  
Formula For Standard Deviation Of Weighted Mean:  $(\text{Sum}(\text{weight}_i(\text{d}_i - \text{weighted mean d})^2)) / (\text{sum weights} - 1)$   
Weighted Mean Cohen's d -95% Confidence Interval: 0.52974  
Weighted Mean Cohen's d +95% Confidence Interval: 1.54888

UNWEIGHTED HEDGES' G STATISTICS

Mean Hedges' g: 1.15155  
Standard Deviation Of Mean Hedges' g: 0.36439  
Mean Hedges' g Based On 4 Studies:  
Cum & Gedit (2005) where Hedges' g = 1.63138  
Foa & Tolin (2005) where Hedges' g = 1.20211  
Fortnum & Mason (2005) where Hedges' g = 0.77478  
Smith & Jones (2005) where Hedges' g = 0.99793  
Mean Hedges' g -95% Confidence Interval: 0.76275  
Mean Hedges' g -95% Confidence Interval Based On: 4 Studies  
Mean Hedges' g +95% Confidence Interval: 1.54036  
Mean Hedges' g +95% Confidence Interval Based On: 4 Studies  
Mean Sigma (SD Used) For Individual Hedges' g Calculations: 8.27169  
Mean Sigma (SD Used) For Individual Hedges' g Calculations Based On: 4 Studies

WEIGHTED HEDGES' G STATISTICS (BY TOTAL STUDY N)

Weighted Mean Hedges' g: 1.03458  
Weighted Mean Hedges' g Based On: 778 Participants  
Weighted Mean Hedges' g Based On 4 Studies:  
Cum & Gedit (2005) where: Hedges' g = 1.63138; N = 100; Weighting = 12.85347%  
Foa & Tolin (2005) where: Hedges' g = 1.20211; N = 48; Weighting = 6.16967%  
Fortnum & Mason (2005) where: Hedges' g = 0.77478; N = 200; Weighting = 25.70694%  
Smith & Jones (2005) where: Hedges' g = 0.99793; N = 430; Weighting =

55.26992%

Sum Of Mean Hedges' g Effect Sizes Used For Weighting: 4.6062

Standard Deviation Of Weighted Mean Hedges' g: 0.2563

Formula For Standard Deviation Of Weighted Mean:  $(\text{Sum}(\text{weight}_i(\text{g}_i - \text{weighted mean g})^2)) / (\text{sum weights} - 1)$

Weighted Mean Hedges' g -95% Confidence Interval: 0.53223

Weighted Mean Hedges' g +95% Confidence Interval: 1.53693

FAIL-SAFE N GUIDE (ROSENTHAL, 1984)

Derived Fail-Safe N  $((\text{Sum Z})^2 / 2.706) - N$ : 292.4

'Reasonable' Fail-Safe N Rule Of Thumb For Unweighted Cohen's d Calculations (5K+10): 30 (See Rosenthal, 1984)

'Reasonable' Fail-Safe N Rule Of Thumb For Unweighted Hedges' g Calculations (5K+10): 30 (See Rosenthal, 1984)

FAIL-SAFE N - CRITERION D (ORWIN, 1983)

For Unweighted Cohen's D - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.2: 19.219

For Unweighted Cohen's D - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.5: 5.2876

For Unweighted Cohen's D - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.8: 1.80475

For Unweighted Hedges' G - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.2: 19.031

For Unweighted Hedges' G - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.5: 5.2124

For Unweighted Hedges' G - Number Of Zero Effect Studies Needed To Reduce The Overall Effect Size to 0.8: 1.75775