

```
. meta trimfill
```

```
Effect-size label: Mean diff.
```

```
Effect size: _meta_es
```

```
Std. err.: _meta_se
```

```
Nonparametric trim-and-fill analysis of publication bias
```

```
Linear estimator, imputing on the left
```

```
Iteration                                Number of studies =      3  
  Model: Random-effects                  observed =      2  
  Method: REML                           imputed =      1
```

```
Pooling
```

```
  Model: Random-effects
```

```
  Method: REML
```

Studies	Mean diff.	[95% conf. interval]	
Observed	29.025	-11.732	69.781
Observed + Imputed	8.700	-38.009	55.409

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```

Operative time

```
. meta bias, egger
```

```
Effect-size label: Mean diff.
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```
Effect size: _meta_es
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```
Std. err.: _meta_se
```

```
Regression-based Egger test for small-study effects
```

```
Fixed-effects model
```

```
Method: Inverse-variance
```

```
H0: beta1 = 0; no small-study effects
```

```
beta1 = 4.04
```

```
SE of beta1 = 5.893
```

```
z = 0.69
```

```
Prob > |z| = 0.4925
```

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```

Blood loss

```
. meta bias, egger
```

```
Effect-size label: Mean diff.
```

```
Effect size: _meta_es
```

```
Std. err.: _meta_se
```

```
Regression-based Egger test for small-study effects
```

```
Random-effects model
```

```
Method: REML
```

```
H0: beta1 = 0; no small-study effects
```

```
beta1 = -0.10
```

```
SE of beta1 = 1.082
```

```
z = -0.10
```

```
Prob > |z| = 0.9232
```

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```

Visual analog score of neck pain

```
. meta bias, egger
```

```
Effect-size label: Mean diff.
```

```
Effect size: _meta_es
```

```
Std. err.: _meta_se
```

```
Regression-based Egger test for small-study effects
```

```
Random-effects model
```

```
Method: REML
```

```
H0: beta1 = 0; no small-study effects
```

```
beta1 = 0.14
```

```
SE of beta1 = 0.905
```

```
z = 0.15
```

```
Prob > |z| = 0.8775
```

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```

Visual analog score of arm pain

```
. meta bias, egger
```

```
Effect-size label: Mean diff.
```

```
Effect size: _meta_es
```

```
Std. err.: _meta_se
```

```
Regression-based Egger test for small-study effects
```

```
Random-effects model
```

```
Method: REML
```

```
H0: beta1 = 0; no small-study effects
```

```
beta1 = -0.02
```

```
SE of beta1 = 1.121
```

```
z = -0.01
```

```
Prob > |z| = 0.9890
```

```
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```

Neck disability index

```

. meta bias, egger
note: declared Mantel-Haenszel method not supported with meta bias; using
      inverse-variance method

      Effect-size label: Log odds-ratio
      Effect size: _meta_es
      Std. err.: _meta_se

Regression-based Egger test for small-study effects
Fixed-effects model
Method: Inverse-variance

H0: beta1 = 0; no small-study effects
      beta1 =      3.93
      SE of beta1 =    1.447
      z =      2.71
      Prob > |z| =    0.0067

. meta trimfill, eform
note: declared Mantel-Haenszel method not supported with meta trimfill; using
      inverse-variance method

      Effect-size label: Log odds-ratio
      Effect size: _meta_es
      Std. err.: _meta_se

Nonparametric trim-and-fill analysis of publication bias
Linear estimator, imputing on the left

Iteration                                Number of studies =    10
      Model: Fixed-effects                                observed =     7
      Method: Inverse-variance                            imputed =     3

Pooling
      Model: Fixed-effects
      Method: Inverse-variance

```

Studies	Odds ratio	[95% conf. interval]	
Observed	1.591	1.288	1.965
Observed + Imputed	1.316	1.090	1.588

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```

Neurological success

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. meta bias, egger

Effect-size label: Mean diff.
Effect size: _meta_es
Std. err.: _meta_se

Regression-based Egger test for small-study effects
Random-effects model
Method: REML

H0: beta1 = 0; no small-study effects
      beta1 =      4.39
SE of beta1 =      1.172
          z =      3.75
Prob > |z| =      0.0002

. meta trimfill

Effect-size label: Mean diff.
Effect size: _meta_es
Std. err.: _meta_se

Nonparametric trim-and-fill analysis of publication bias
Linear estimator, imputing on the left

Iteration                                Number of studies =      4
  Model: Random-effects                   observed =      4
  Method: REML                           imputed =      0

Pooling
  Model: Random-effects
  Method: REML

```

Studies	Mean diff.	[95% conf. interval]	
Observed	10.372	4.690	16.055
Observed + Imputed	10.372	4.690	16.055

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```

Range of motion in operated segments

```
. meta bias, egger
```

```
Effect-size label: Log odds-ratio
```

```
Effect size: _meta_es
```

```
Std. err.: _meta_se
```

```
Regression-based Egger test for small-study effects
```

```
Random-effects model
```

```
Method: REML
```

```
H0: beta1 = 0; no small-study effects
```

```
beta1 = 0.02
```

```
SE of beta1 = 1.178
```

```
z = 0.01
```

```
Prob > |z| = 0.9888
```

```
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```

Adverse events

```
. meta bias, egger
note: declared Mantel-Haenszel method not supported with meta bias; using
      inverse-variance method

Effect-size label: Log odds-ratio
      Effect size: _meta_es
      Std. err.: _meta_se

Regression-based Egger test for small-study effects
Fixed-effects model
Method: Inverse-variance

H0: beta1 = 0; no small-study effects
      beta1 =      -0.12
      SE of beta1 =    0.542
      z =      -0.22
      Prob > |z| =    0.8243

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```

Reoperation

```
. meta bias, egger
note: declared Mantel-Haenszel method not supported with meta bias; using
      inverse-variance method

Effect-size label: Log odds-ratio
      Effect size: _meta_es
      Std. err.: _meta_se

Regression-based Egger test for small-study effects
Fixed-effects model
Method: Inverse-variance

H0: beta1 = 0; no small-study effects
      beta1 =      -0.46
      SE of beta1 =    1.171
              z =      -0.39
      Prob > |z| =    0.6951

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```

Adjacent segment degeneration rate