



```

name: <unnamed>
log: C:\Users\Zhou Xiaoxiang\Downloads\Stata12.0\Trim_and_fill_record.smcl
log type: smcl
opened on: 7 Dec 2019, 09:08:39
    
```

```

1 . use "C:\Users\Zhou Xiaoxiang\Desktop\Any OS.dta", clear
2 . metan log_HR log_down log_upper, label(namevar=Study) random eform
    
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Study	ES	[95% Conf. Interval]		% Weight
Keller, 2016	0.423	0.243	0.735	4.26
Haratani, 2017	0.285	0.102	0.675	2.46
Kim, 2017	0.110	0.010	0.920	0.61
Judd, 2017	0.480	0.227	1.107	3.04
Osorio, 2017	0.290	0.090	0.940	1.82
Nakamura, 2017	0.160	0.030	0.790	1.08
Grangeon, 2018	0.290	0.180	0.460	4.78
Toi, 2018	0.420	0.240	0.710	4.33
Rogado, 2018	0.909	0.625	1.429	5.13
Ricciuti, 2018	0.380	0.260	0.560	5.32
Ksienski, 2018	0.850	0.500	1.420	4.45
Ksienski, 2018	2.290	1.050	4.980	3.10
Faje, 2018	0.530	0.360	0.750	5.43
Indini, 2018	0.390	0.180	0.810	3.22
Lesueur, 2018	0.640	0.377	1.087	4.41
Owen, 2018	0.364	0.203	0.649	4.10
Lisberg, 2018	0.720	0.490	1.050	5.34
Okada, 2019	0.010	0.000	0.880	0.16
Lei, 2019	0.400	0.190	0.850	3.23
Cortellini, 2019	0.550	0.410	0.720	5.95
Ahn, 2019	0.484	0.255	0.919	3.77
Berner, 2019	0.290	0.120	0.710	2.66
Verzoni, 2019	0.570	0.350	0.930	4.66
Yamauchi, 2019	0.610	0.390	0.930	5.00
Bjornhart, 2019	0.470	0.210	1.050	2.99
Moel, 2019	1.120	0.700	1.790	4.78
Lang, 2019	1.320	0.710	2.440	3.90
D+L pooled ES	0.541	0.450	0.651	100.00

Heterogeneity calculated by formula
 $Q = \text{SIGMA}_i \{ (1/\text{variance}_i) * (\text{effect}_i - \text{effect_pooled})^2 \}$
 where $\text{variance}_i = ((\text{upper limit} - \text{lower limit}) / (2 * z))^2$

Heterogeneity chi-squared = **68.72** (d.f. = 26) p = **0.000**
 I-squared (variation in ES attributable to heterogeneity) = **62.2%**
 Estimate of between-study variance Tau-squared = **0.1285**

Test of ES=1 : z= **6.52** p = **0.000**

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3 . metatrim log_HR selog_HR, reffect eform funnel
    
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Note: default data input format (theta, se_theta) assumed.

Meta-analysis

Method	95% CI			Asymptotic		No. of studies
	Pooled Est	Lower	Upper	z_value	p_value	
Fixed	-0.577	-0.682	-0.473	-10.862	0.000	27
Random	-0.614	-0.799	-0.429	-6.516	0.000	

Test for heterogeneity: Q= **68.723** on **26** degrees of freedom (p= **0.000**)
 Moment-based estimate of between studies variance = **0.129**

Trimming estimator: **Linear**
 Meta-analysis type: **Random-effects model**

iteration	estimate	Tn	# to trim	diff
1	-0.614	131	0	378
2	-0.614	131	0	0

Note: no trimming performed; data unchanged

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Meta-analysis (exponential form)

Method	Pooled Est	95% CI		Asymptotic		No. of studies
		Lower	Upper	z_value	p_value	
Fixed	0.561	0.506	0.623	-10.862	0.000	27
Random	0.541	0.450	0.651	-6.516	0.000	

Test for heterogeneity: Q= 68.723 on 26 degrees of freedom (p= 0.000)

Moment-based estimate of between studies variance = 0.129

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4 . log close
   name: <unnamed>
   log: C:\Users\Zhou Xiaoxiang\Downloads\Stata12.0\Trim_and_fill_record.smcl
   log type: smcl
   closed on: 7 Dec 2019, 09:09:58

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