

Appendix A1

1. Low-density lipoprotein cholesterol

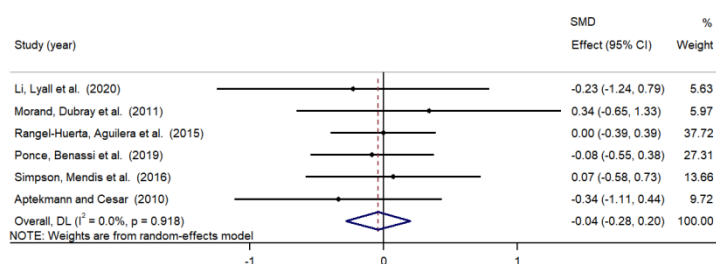


Fig. A1.1. Forest plot of low-density lipoprotein cholesterol without Ribeiro et al. study

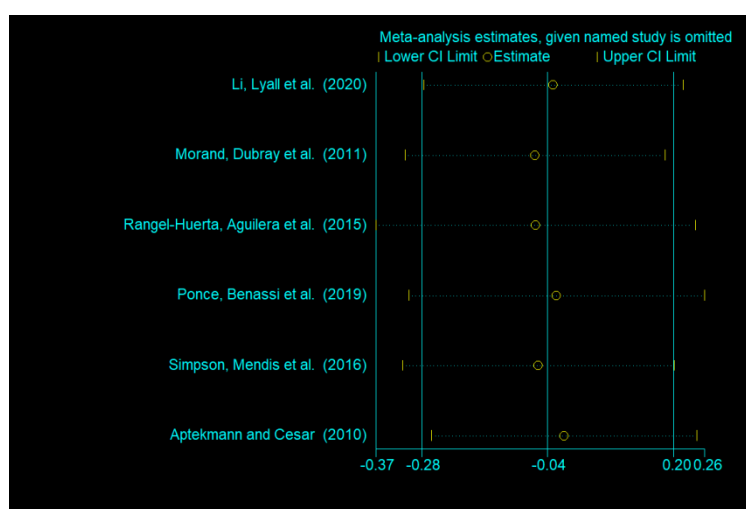


Fig. A1.2. Sensitivity analysis of low-density lipoprotein cholesterol without Ribeiro et al. study

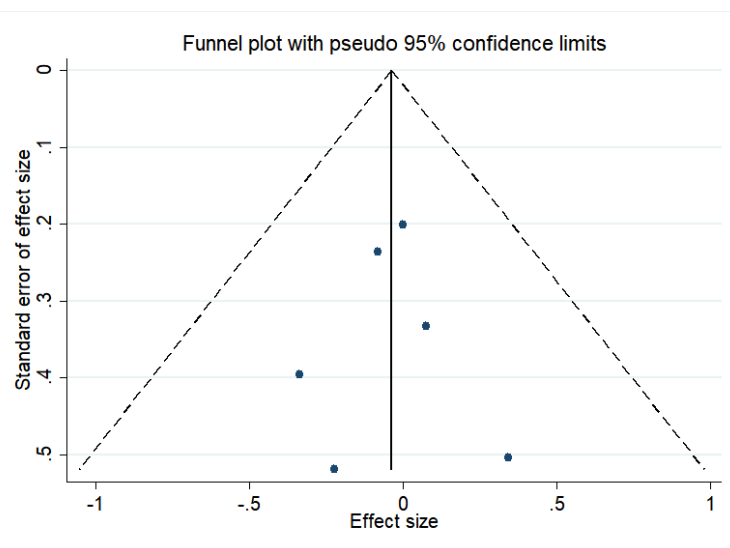


Fig. A1.3. Funnel plot of low-density lipoprotein cholesterol without Ribeiro et al. study

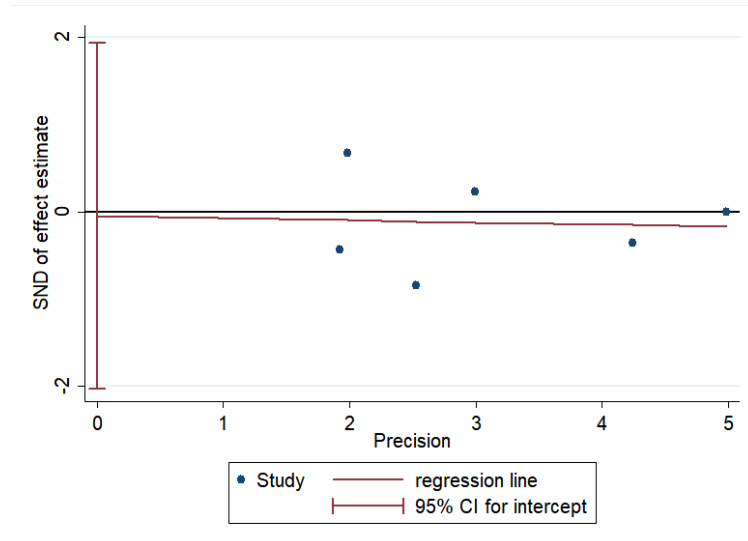


Fig. A1.4. Egger's regression plot of low-density lipoprotein cholesterol without Ribeiro et al. study

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. metabias _ES _seES,egger graph
```

Note: data input format *theta se_theta* assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

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.
Number of studies = 6                                Root MSE = .6023
```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-.0231633	.2155116	-0.11	0.920	-.6215195	.575193
bias	-.0509661	.7140129	-0.07	0.947	-2.033384	1.931452

Test of H0: no small-study effects P = 0.947

Fig. A1.5. Egger's test of low-density lipoprotein cholesterol without Ribeiro et al. study

Appendix A2

2. Glucose

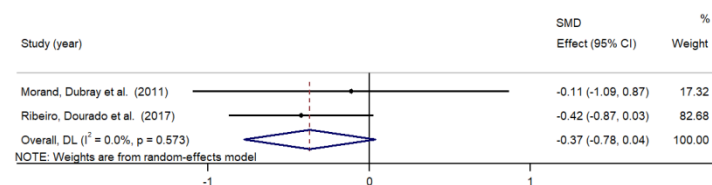


Fig. A2.1. Forest plot of glucose without Rangel-Huerta et al. study

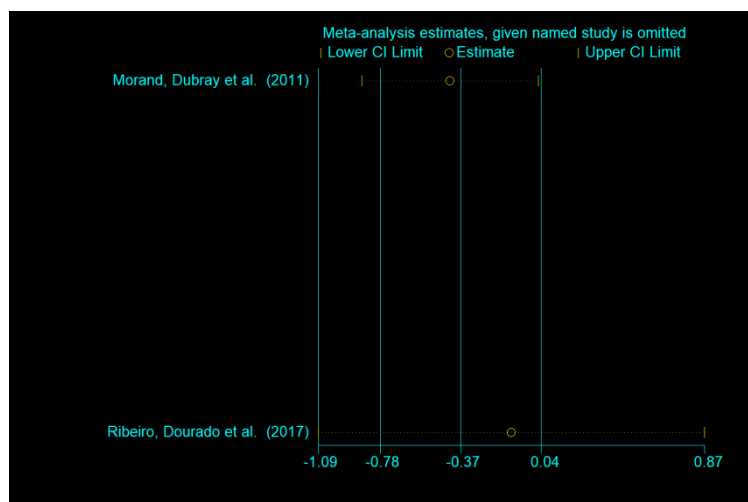


Fig. A2.2. Sensitivity analysis of glucose without Rangel-Huerta et al. study

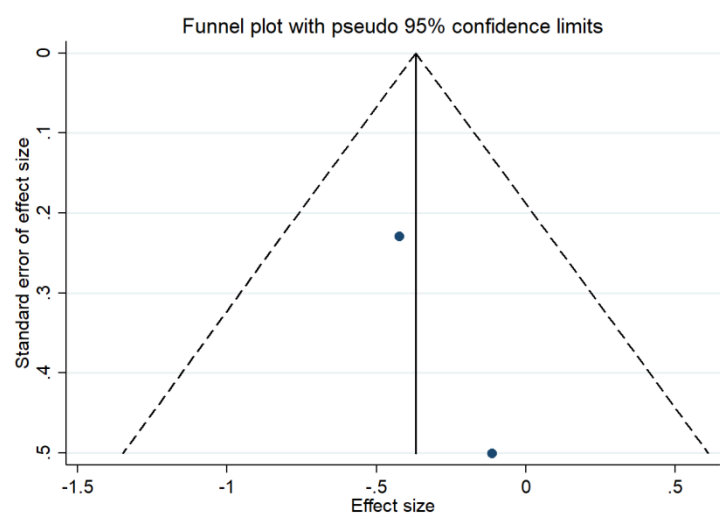


Fig. A2.3. Funnel plot of glucose without Rangel-Huerta et al. study

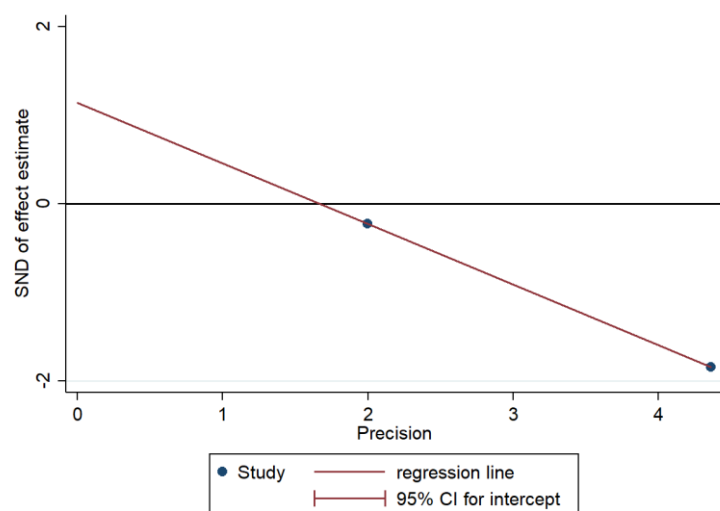


Fig. A2.4. Egger's regression plot of glucose without Rangel-Huerta et al. study

Appendix A3

3. Homeostatic model assessment of insulin resistance

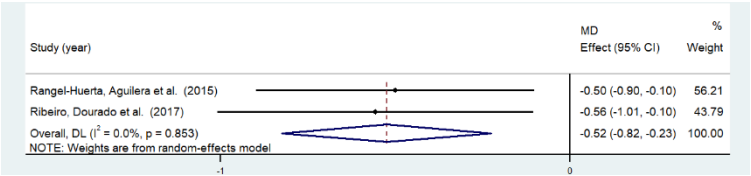


Fig. A3.1. Forest plot of homeostatic model assessment of insulin resistance without Ponce, Benassi et al. study

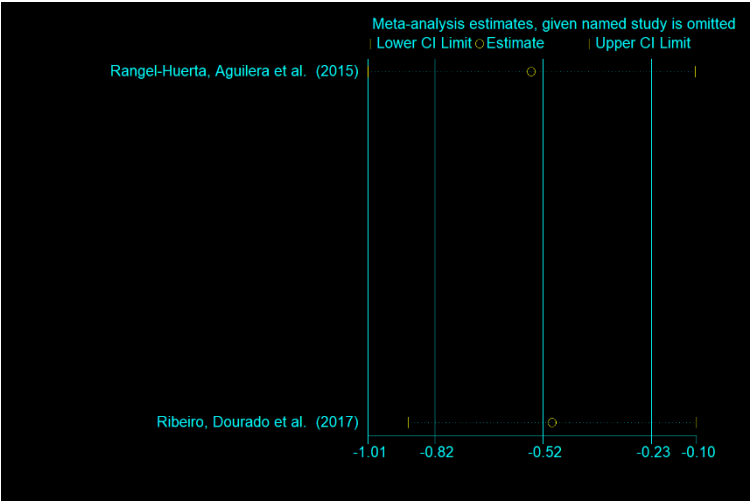


Fig. A3.2. Sensitivity analysis of homeostatic model assessment of insulin resistance without Ponce, Benassi et al. study

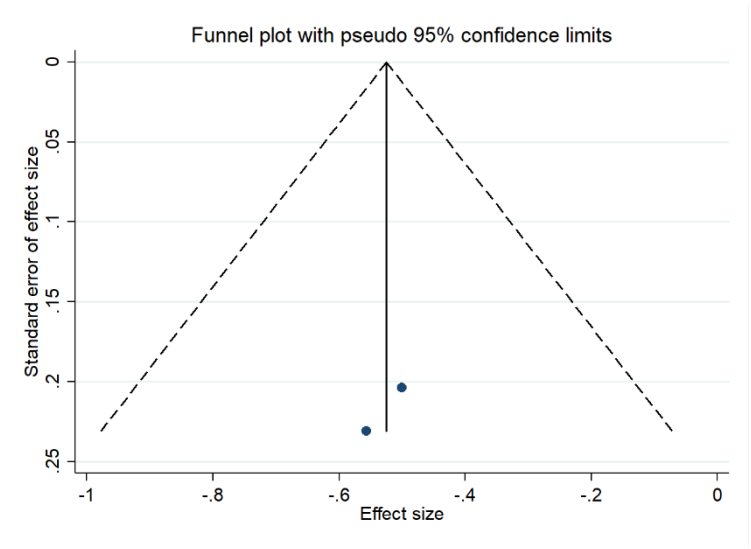


Fig. A3.3. Funnel plot of homeostatic model assessment of insulin resistance without Ponce, Benassi et al. study

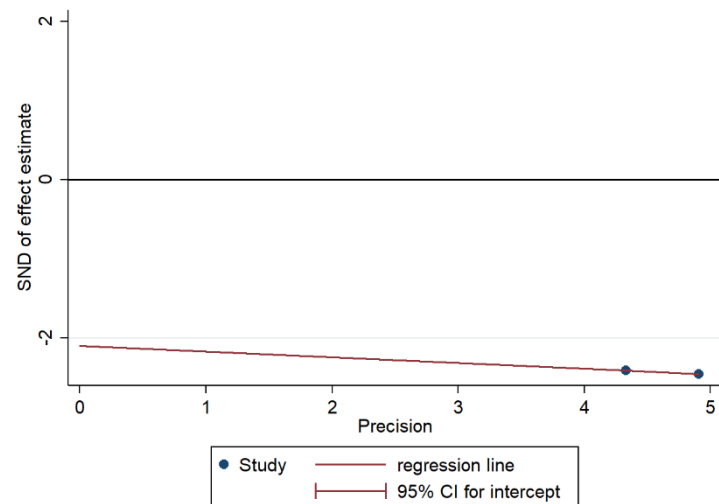


Fig. A3.4. Egger's regression plot of homeostatic model assessment of insulin resistance without Ponce, Benassi et al. study

Appendix A4

4. C-reactive protein

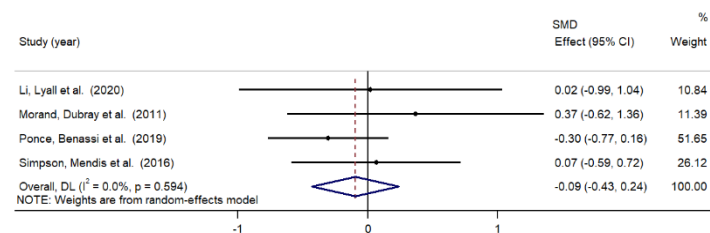


Fig. A4.1. Forest plot of C-reactive protein without Ribeiro et al. study

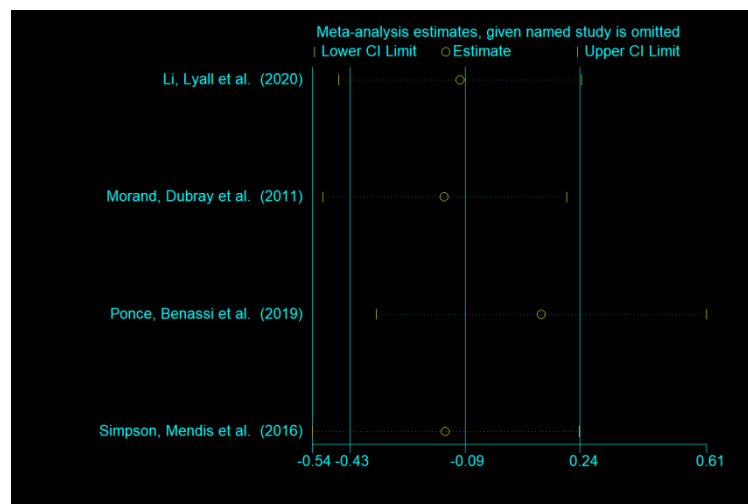


Fig. A4.2. Sensitivity analysis of C-reactive protein without Ribeiro et al. study

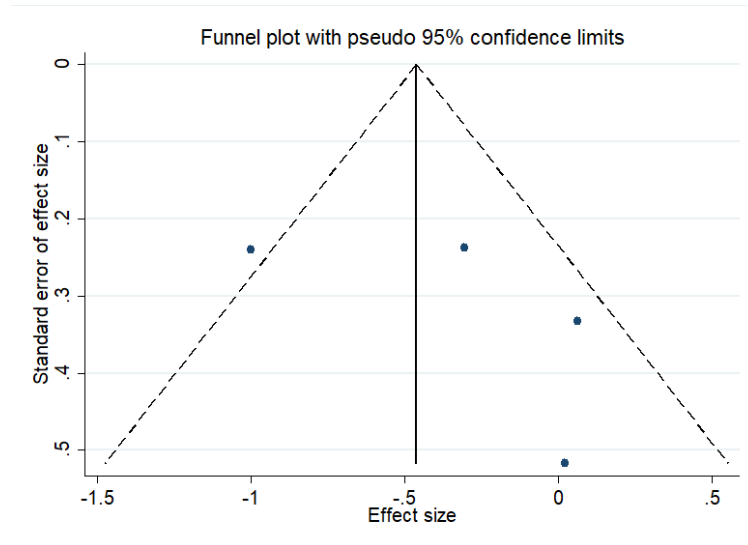


Fig. A4.3. Funnel plot of C-reactive protein without Ribeiro et al. study

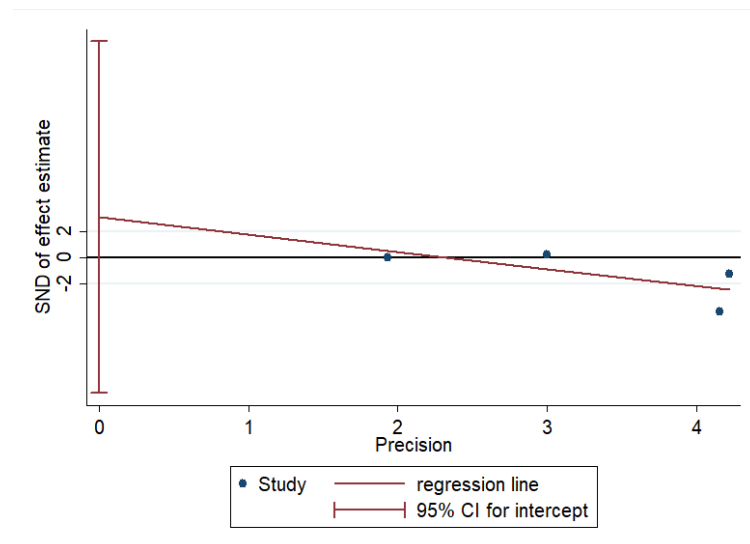


Fig. A4.4. Egger's regression plot of C-reactive protein without Ribeiro et al. study

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. metabias _ES _seES,egger graph
Note: data input format theta se_theta assumed
Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error
.
Number of studies = 4                                Root MSE = 1.72
```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-1.33357	.9148564	-1.46	0.282	-5.269879	2.602739
bias	3.137604	3.162583	0.99	0.426	-10.46989	16.7451

```
Test of H0: no small-study effects                P = 0.426
```

Fig. A4.5. Egger's test of C-reactive protein without Ribeiro et al. study

Appendix A5

5. Total cholesterol

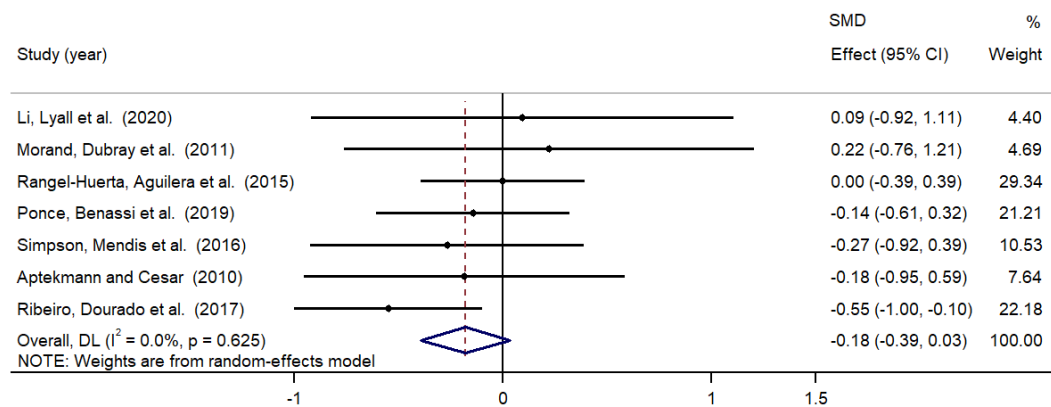


Fig. A5.1. Forest plot of total cholesterol

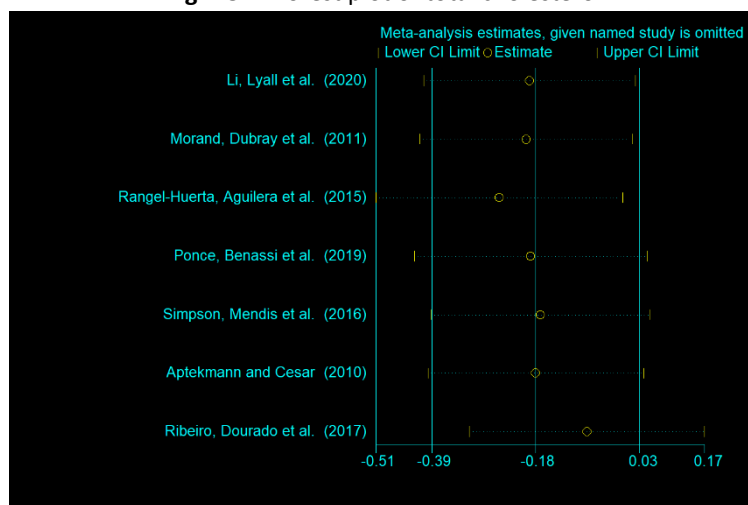


Fig. A5.2. Sensitivity analysis of total cholesterol

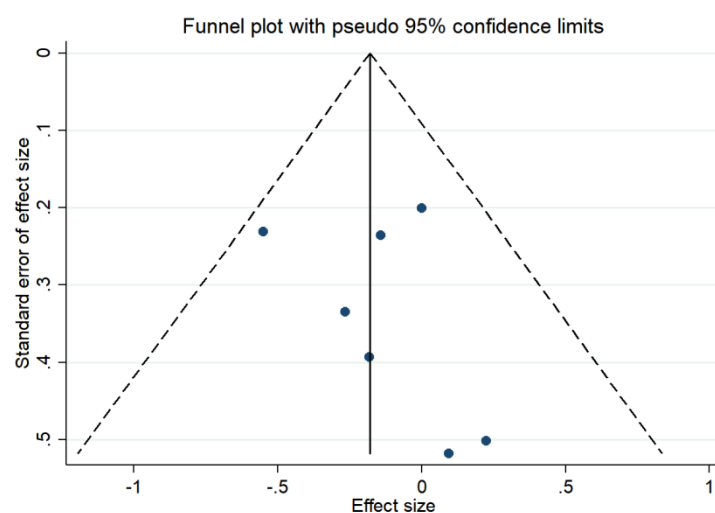


Fig. A5.3. Funnel plot of total cholesterol

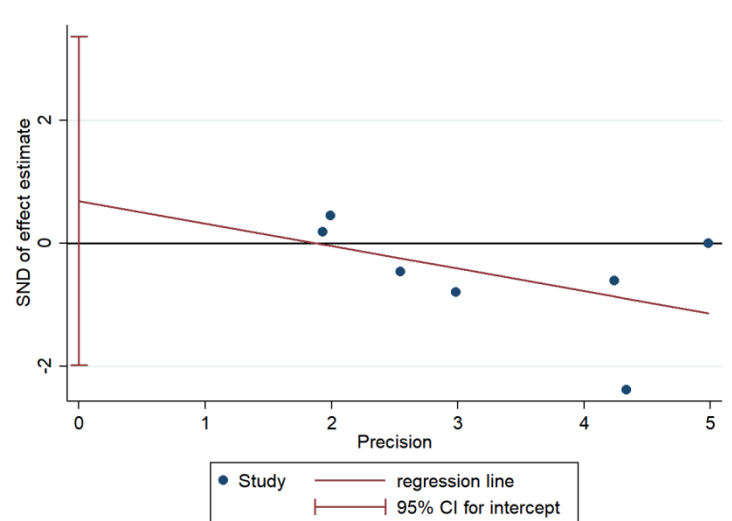


Fig. A5.4. Egger's regression plot of total cholesterol

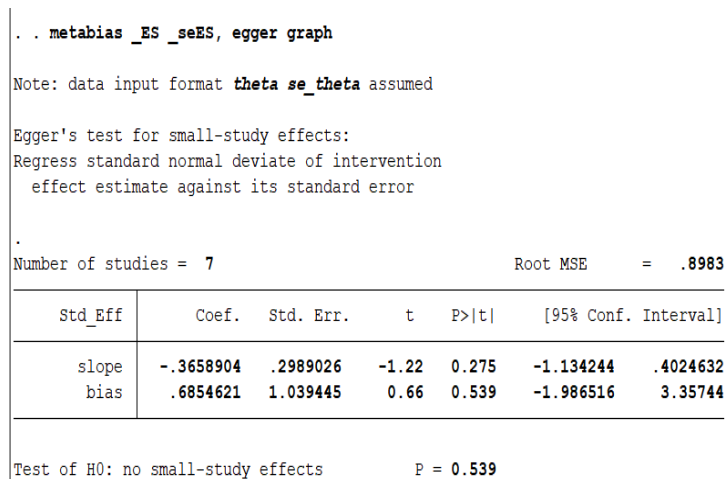


Fig. A5.5. Egger's test of total cholesterol

6. Triglycerides

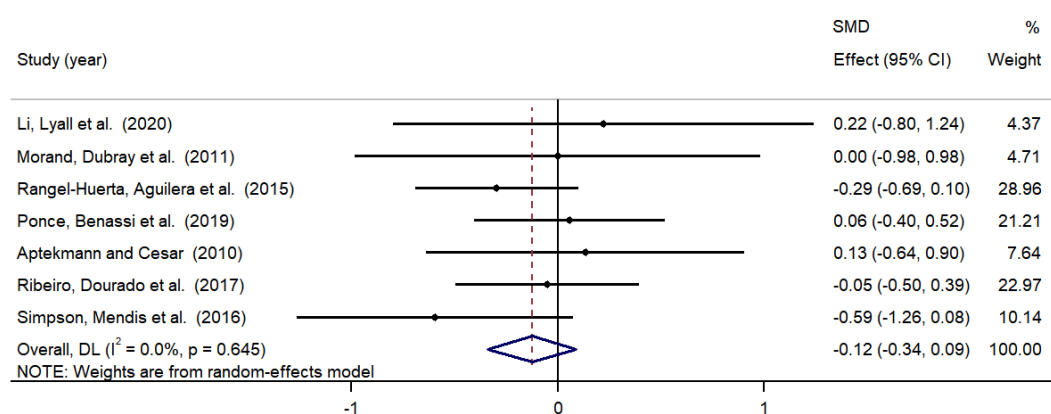


Fig. A6.1. Forest plot of triglycerides

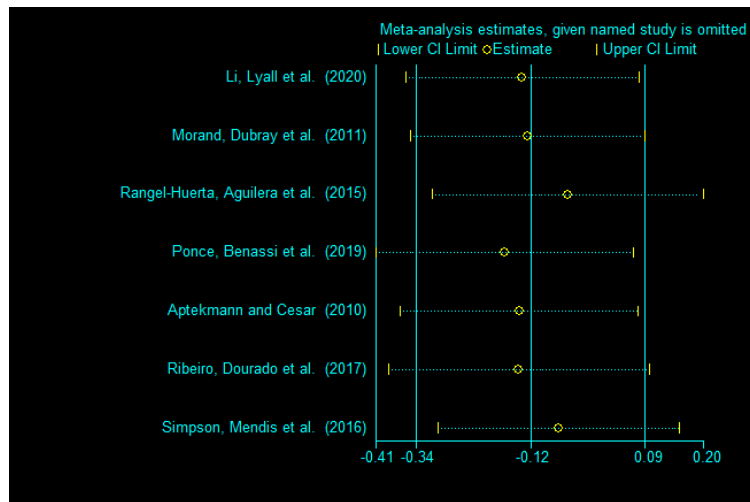


Fig. A6.2. Sensitivity analysis of triglycerides

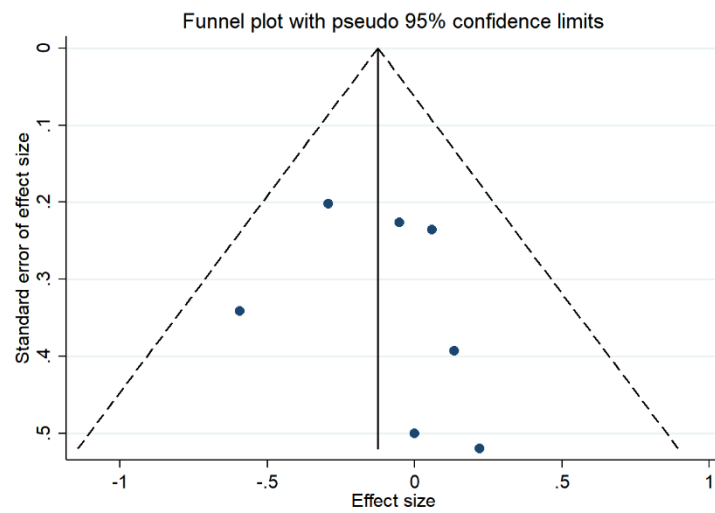


Fig. A6.3. Funnel plot of triglycerides

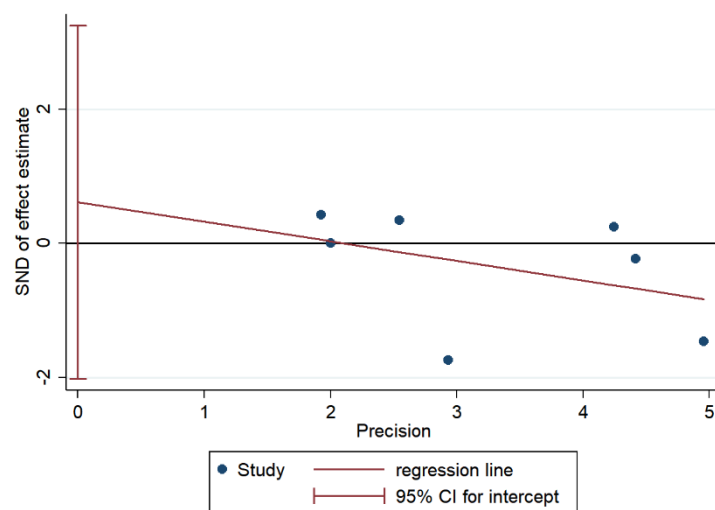


Fig. A6.4. Egger's regression plot of triglycerides

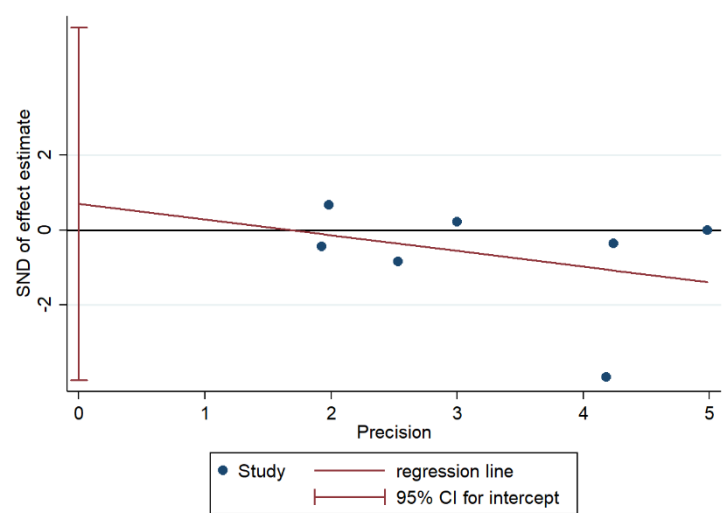
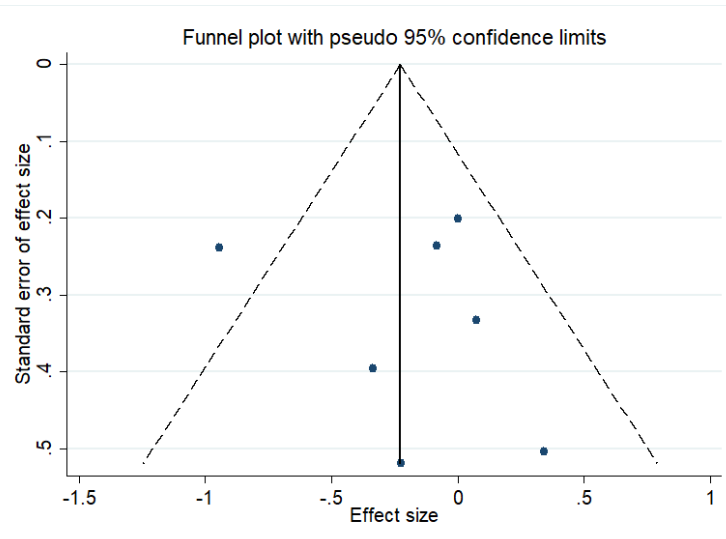


Fig. A7.4. Egger's regression plot of low-density lipoprotein cholesterol

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. metabias _ES _seES, egger graph
```

Note: data input format **theta se_theta** assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

```
.
Number of studies = 7                                Root MSE      = 1.576
```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-.4201332	.53132	-0.79	0.465	-1.785935	.9456683
bias	.7022749	1.833565	0.38	0.717	-4.011054	5.415604

Test of H0: no small-study effects P = 0.717

8. High-density lipoprotein cholesterol

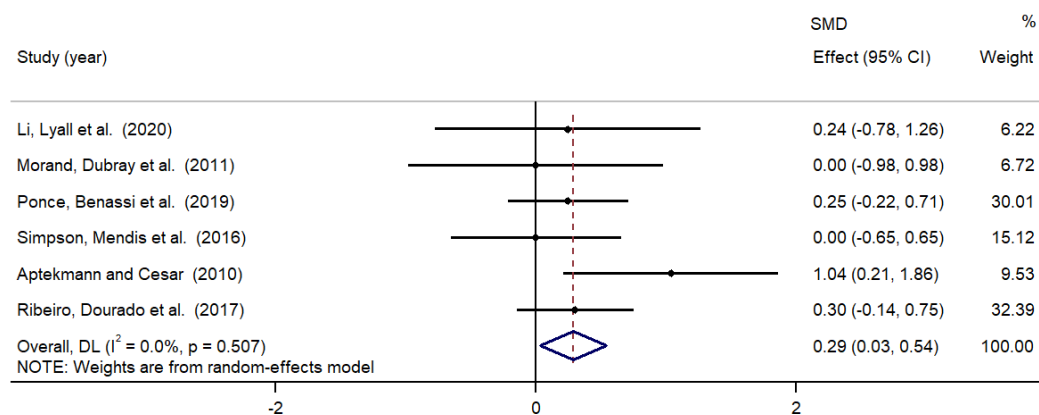


Fig. A8.1. Forest plot of high-density lipoprotein cholesterol

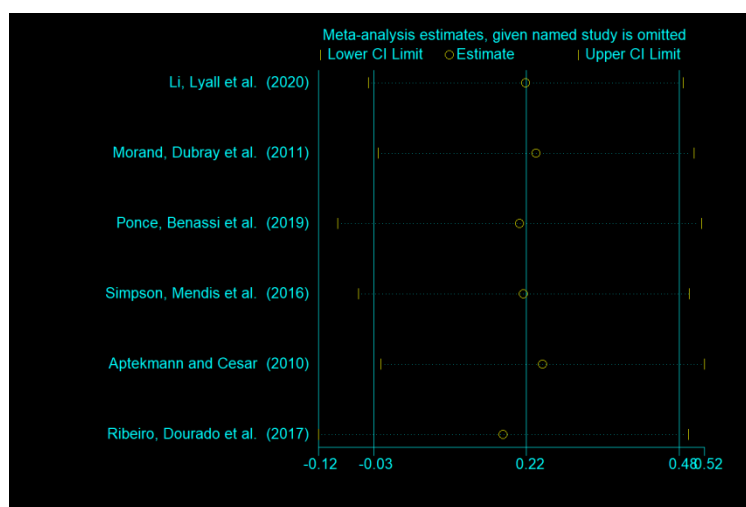


Fig. A8.2. Sensitivity analysis of high-density lipoprotein cholesterol

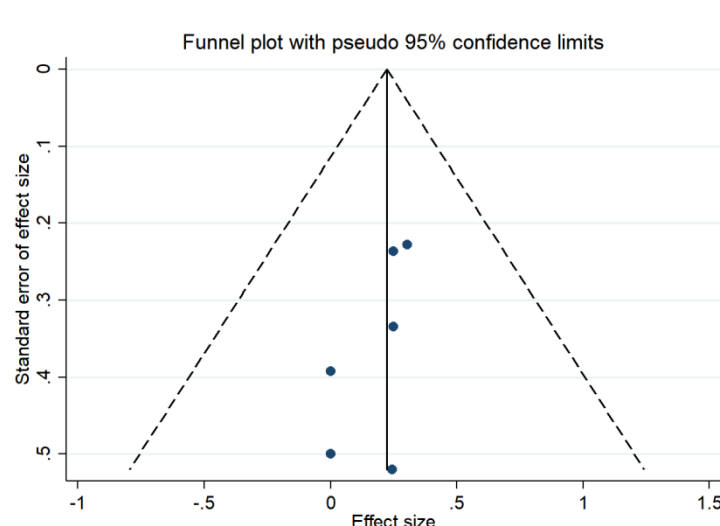


Fig. A8.3. Funnel plot of high-density lipoprotein cholesterol

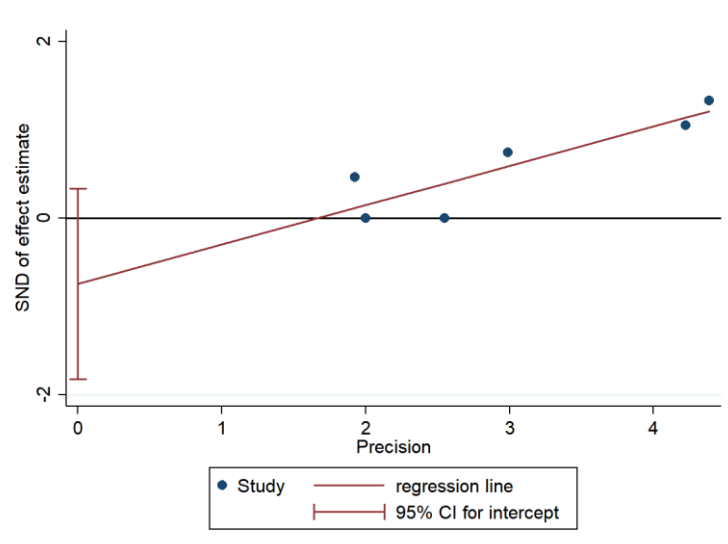


Fig. A8.4. Egger's regression plot of high-density lipoprotein cholesterol

```
. metabias _ES _seES, egger graphc
```

Note: data input format **theta se_theta** assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

```
.
Number of studies = 6                                Root MSE = 1.031
```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
slope	.1977551	.4217592	0.47	0.664	-.973236 1.368746
bias	.2965928	1.328206	0.22	0.834	-3.391098 3.984284

```
Test of H0: no small-study effects                    P = 0.834
```

Fig. A8.5. Egger's test of high-density lipoprotein cholesterol

9. Systolic blood pressure

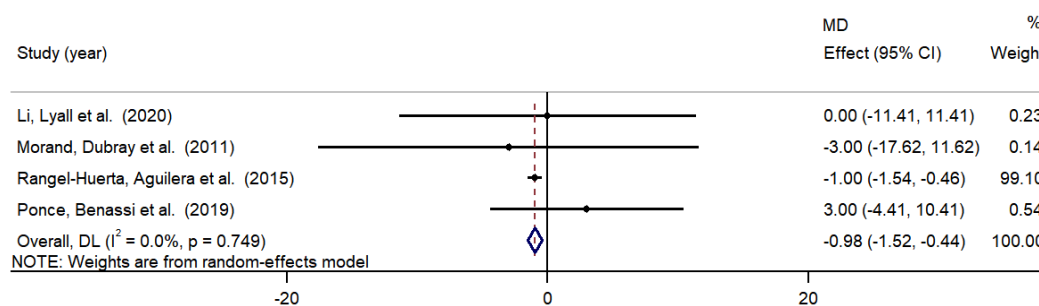


Fig. A9.1. Forest plot of systolic blood pressure

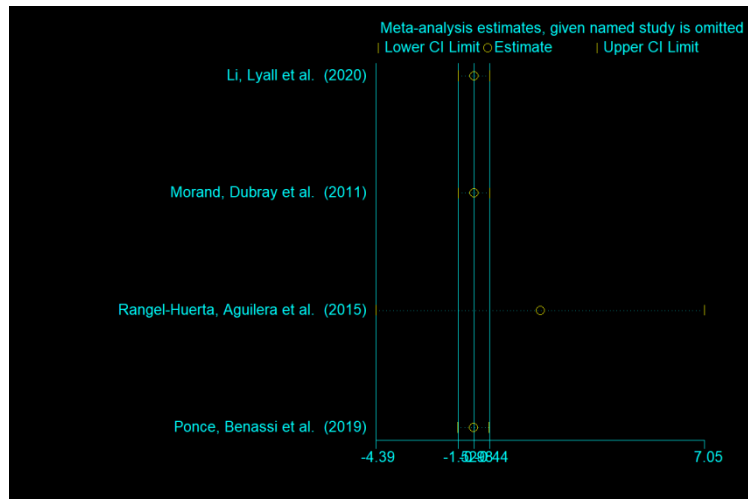


Fig. A9.2. Sensitivity analysis of systolic blood pressure

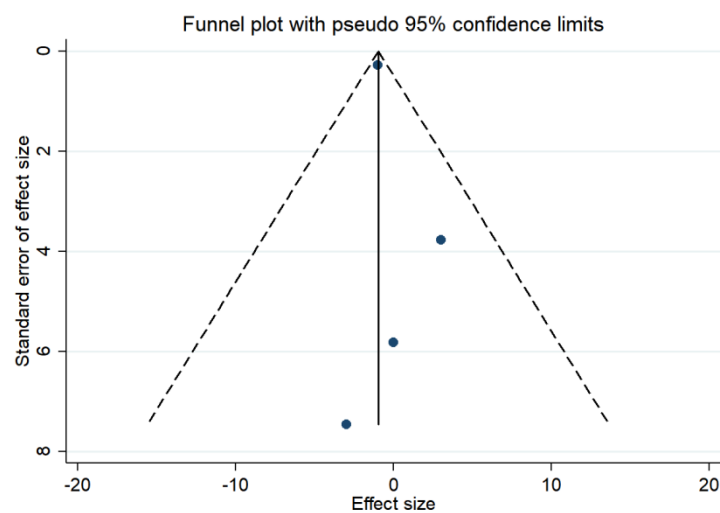


Fig. A9.3. Funnel plot of systolic blood pressure

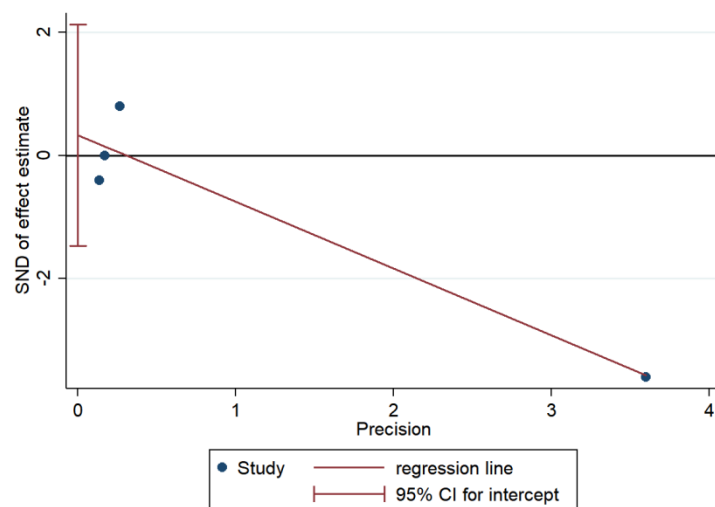


Fig. A9.4. Egger's regression plot of systolic blood pressure

```

.. metabias _ES _seES, egger graph
Note: data input format theta se_theta assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

.
Number of studies = 4                                Root MSE = .6818

```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
slope	-1.083633	.2309647	-4.69	0.043	-2.077394 - .0898724
bias	.3276749	.4172575	0.79	0.515	-1.467639 2.122989

```

Test of H0: no small-study effects                    P = 0.515

```

Fig. A9.5. Egger's test of systolic blood pressure

10. Diastolic blood pressure

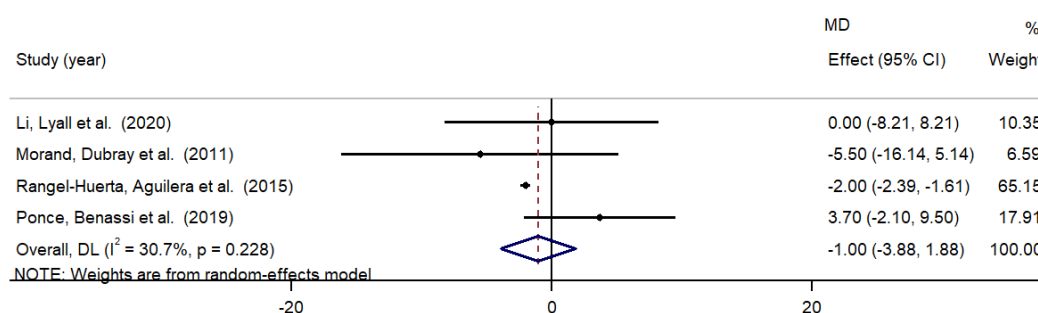


Fig. A10.1. Forest plot of diastolic blood pressure

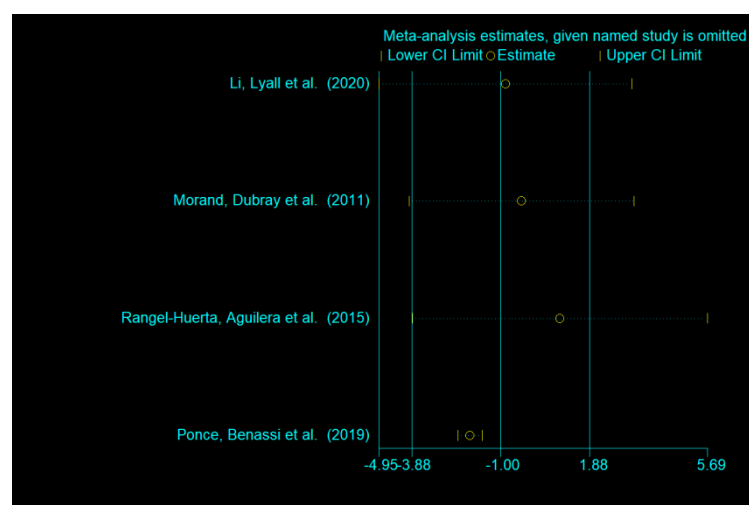


Fig. A10.2. Sensitivity analysis of diastolic blood pressure

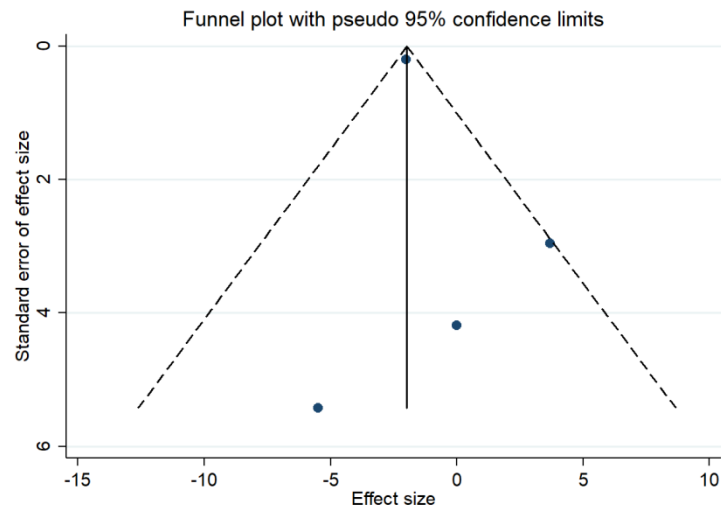


Fig. A10.3. Funnel plot of diastolic blood pressure

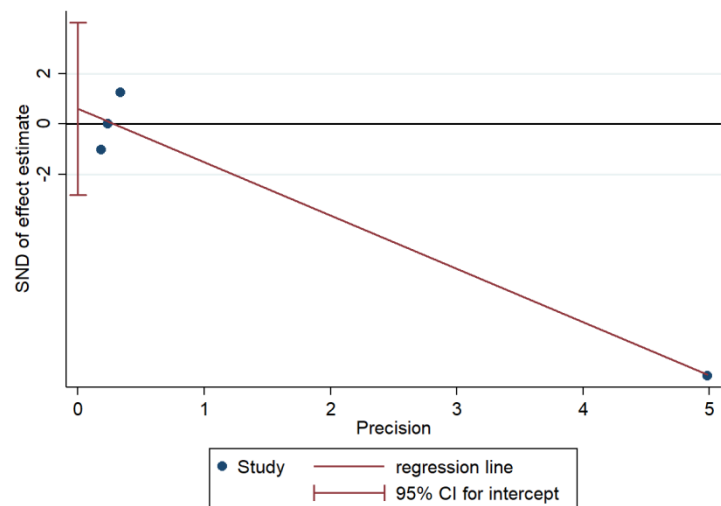


Fig. A10.4. Egger's regression plot of diastolic blood pressure

```
. metabias _ES_seES,egger graph
```

Note: data input format *theta se_theta* assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

```
.
Number of studies = 4                                Root MSE      = 1.297
```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-2.111866	.3165695	-6.67	0.022	-3.473955	-.7497778
bias	.6000213	.7921347	0.76	0.528	-2.808259	4.008302

Test of H0: no small-study effects P = 0.528

Fig. A10.5. Egger's test of diastolic blood pressure

11. Glucose

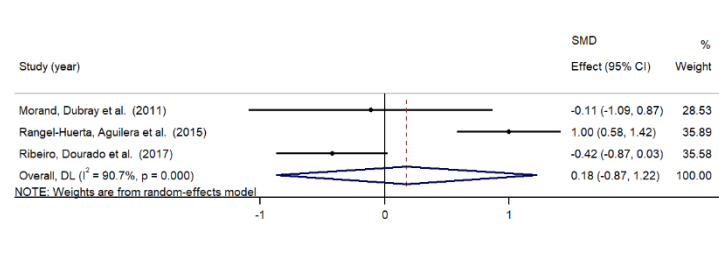


Fig. A11.1. Forest plot of glucose

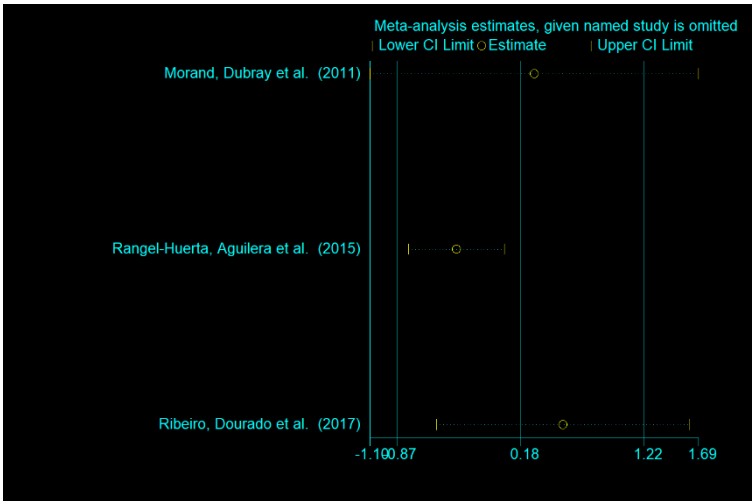


Fig. A11.2. Sensitivity analysis of glucose

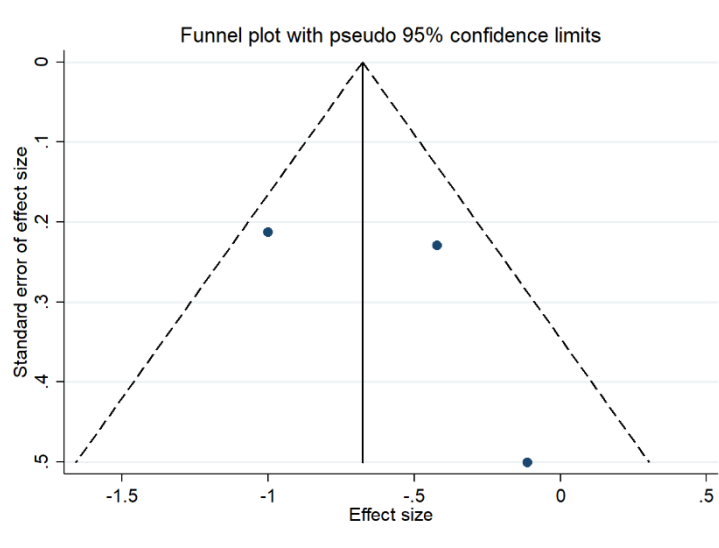


Fig. A11.3. Funnel plot of glucose

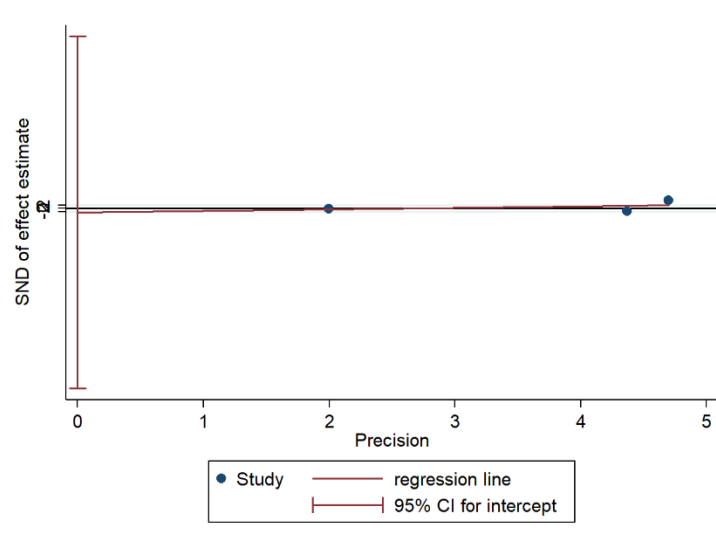


Fig. A11.4. Egger's regression plot of glucose

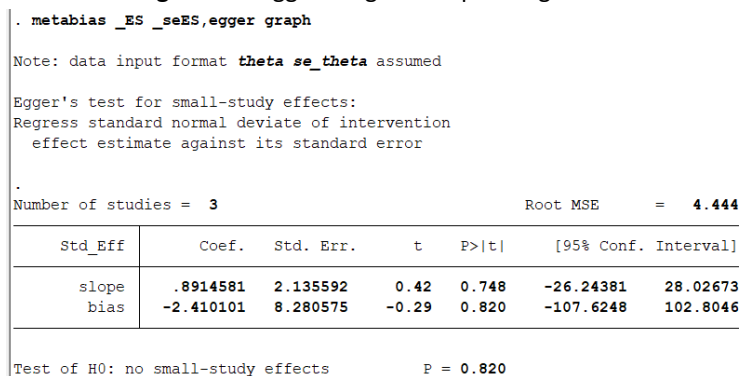


Fig. A11.5. Egger's test of glucose

12. Insulin

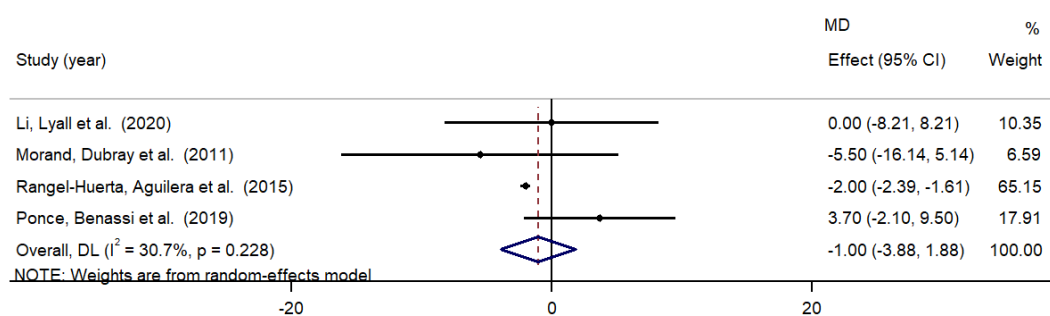


Fig. A12.1. Forest plot of insulin

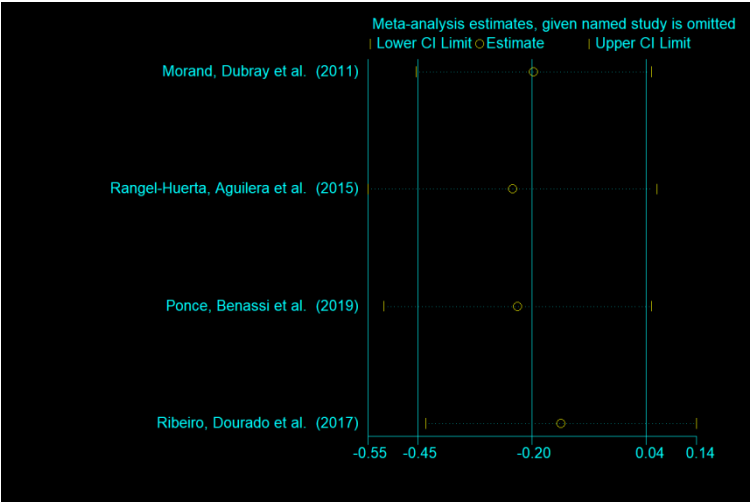


Fig. A12.2. Sensitivity analysis of insulin

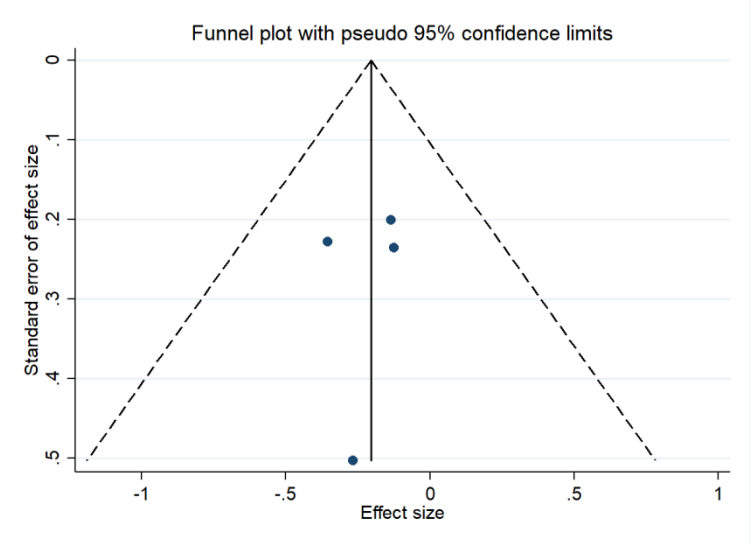


Fig. A12.3. Funnel plot of insulin

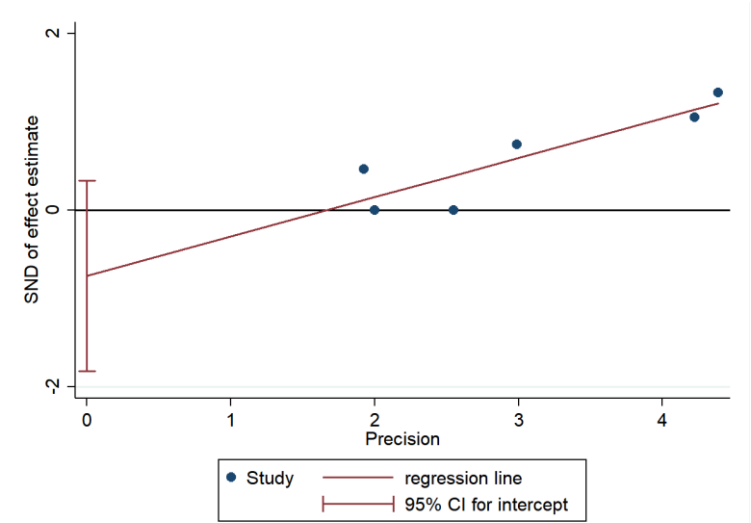


Fig. A12.4. Egger's regression plot of insulin

```

. metabias _ES_seES,egger graph
Note: data input format theta se_theta assumed

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

.
Number of studies = 4                                Root MSE      = .5641

```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
slope	-.1268301	.2484415	-0.51	0.660	-1.195788 .9421275
bias	-.3274585	1.008392	-0.32	0.776	-4.666221 4.011304

```

Test of H0: no small-study effects                    P = 0.776

```

Fig. A12.5. Egger's test of insulin

13. Homeostatic model assessment of insulin resistance

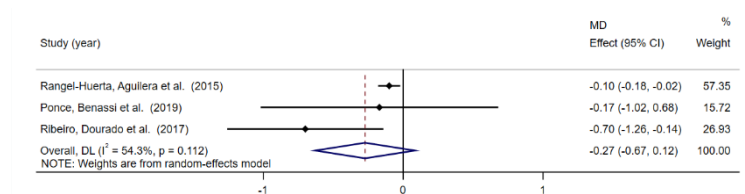


Fig. A13.1. Forest plot of homeostatic model assessment of insulin resistance

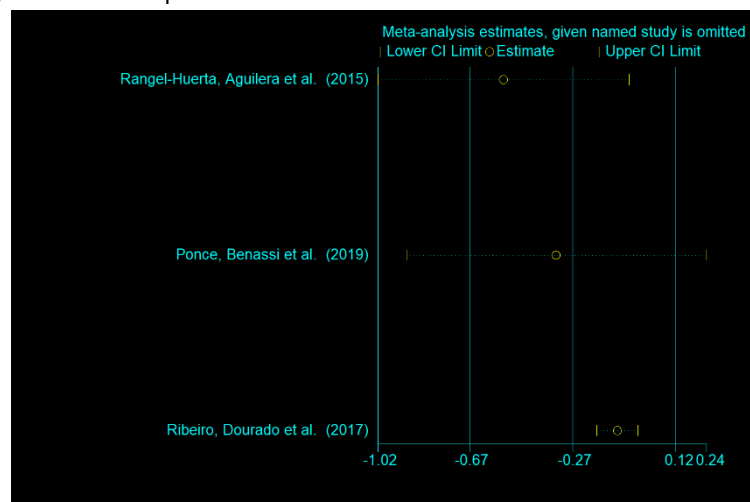


Fig. A13.2. Sensitivity analysis of homeostatic model assessment of insulin resistance

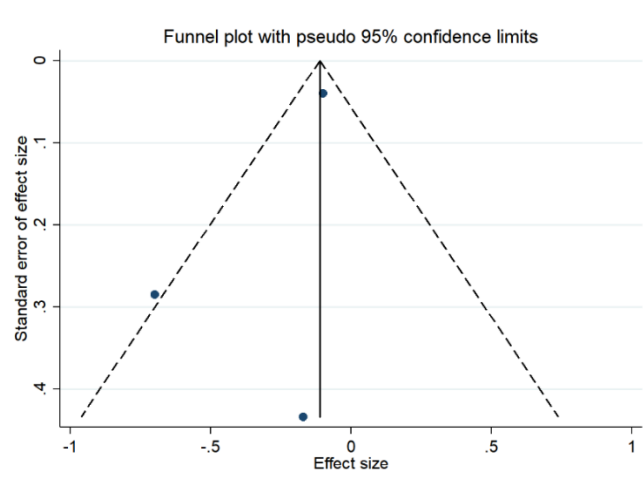


Fig. A13.3. Funnel plot of homeostatic model assessment of insulin resistance

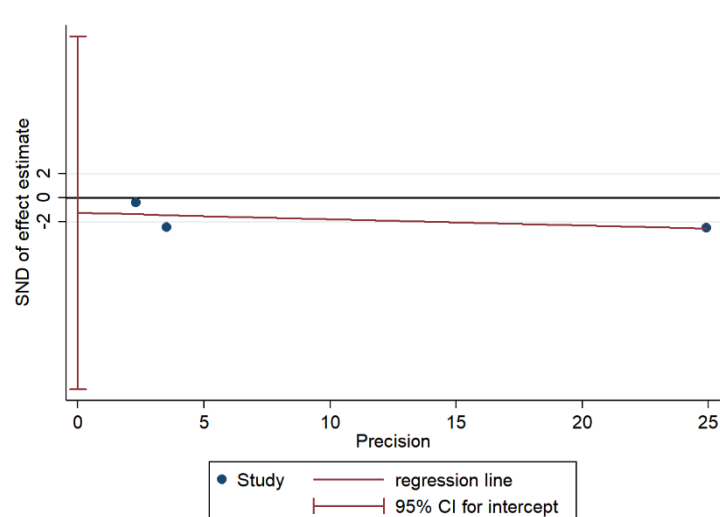


Fig. A13.4. Egger's regression plot of homeostatic model assessment of insulin resistance

Egger's test for small-study effects:
Regress standard normal deviate of intervention
effect estimate against its standard error

```

Number of studies = 3                                Root MSE      = 1.419

```

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-0.0521869	.0788518	-0.66	0.628	-1.054094	.9497207
bias	-1.246387	1.150504	-1.08	0.475	-15.86492	13.37215

Test of H0: no small-study effects P = 0.475

Fig. A13.5. Egger's test of homeostatic model assessment of insulin resistance

14. C-reactive protein

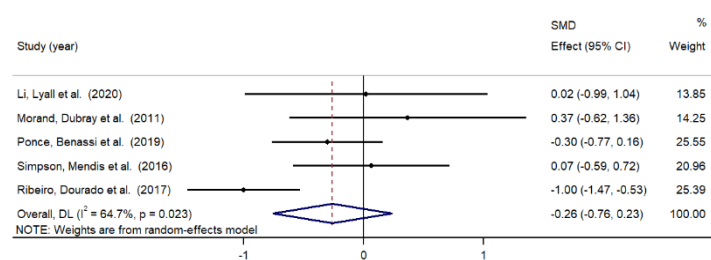


Fig. A14.1. Forest plot of C-reactive protein

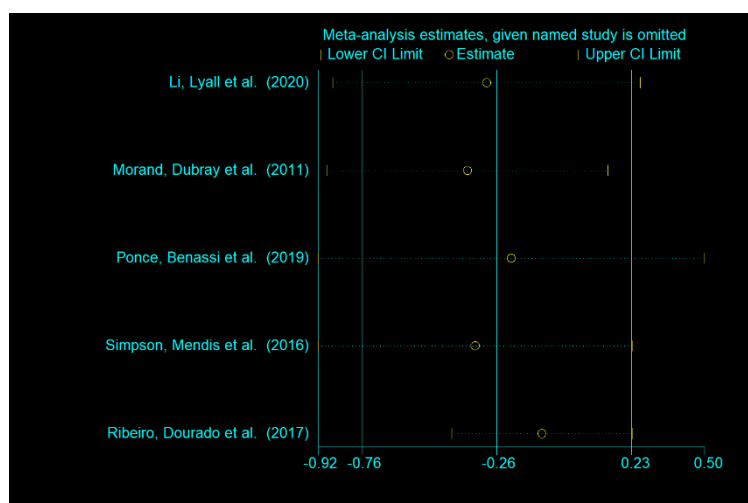


Fig. A14.2. Sensitivity analysis of C-reactive protein

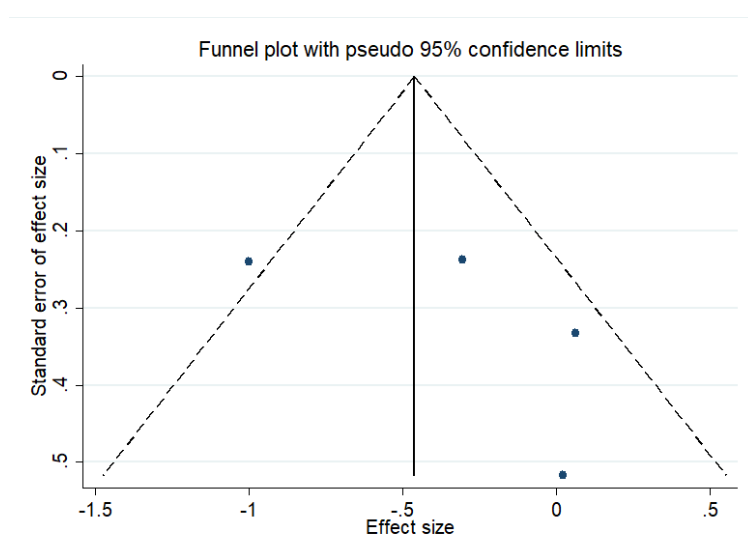


Fig. A14.3. Funnel plot of C-reactive protein

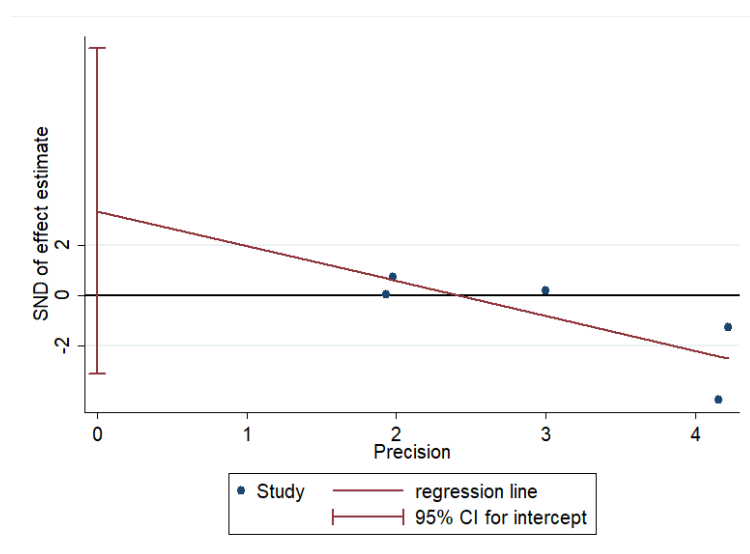


Fig. A14.4. Egger's regression plot of C-reactive protein

Number of studies = 5					Root MSE	=	1.408
Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]		
slope	-1.384521	.6307965	-2.19	0.116	-3.391997	.6229548	
bias	3.340567	2.028863	1.65	0.198	-3.116179	9.797313	

Test of H0: no small-study effects P = 0.198

Fig. A14.5. Egger's test of C-reactive protein