

**Total cholesterol**  
**Author(s) and Year**

Total cholesterol Author(s) and Year	Estimate [95% CI]	Risk of Bias							O
		D1	D2	D3	D4	D5	D6	D7	
<b>Moderate</b>									
Tynkkynen (DILGOM), 2018	1.06 [0.79, 1.42]	-	-	+	+	+	+	-	-
Tynkkynen (EGCUT), 2018	0.99 [0.72, 1.36]	-	-	+	+	+	+	-	-
Tynkkynen (FINRISK 97), 2018	0.96 [0.76, 1.21]	-	-	+	+	+	+	-	-
Tynkkynen (WHITEHALL), 2018	0.80 [0.66, 0.96]	-	-	+	+	+	+	-	-
RE Model for Subgroup ( $p = 0.17$ ; $I^2 = 10.1\%$ , $\tau^2 = 0.00$ )	0.91 [0.80, 1.04]								
<b>Serious</b>									
Mielke, 2005	0.77 [0.61, 0.97]	×	-	+	+	+	+	-	×
Peters, 2009	0.92 [0.71, 1.20]	×	-	+	+	+	+	-	×
Rantanen, 2017	1.12 [1.01, 1.24]	×	-	+	+	+	+	-	×
Schilling, 2017	1.06 [0.98, 1.15]	×	-	+	+	+	+	-	×
RE Model for Subgroup ( $p = 0.97$ ; $I^2 = 69.2\%$ , $\tau^2 = 0.01$ )	1.00 [0.88, 1.13]								
RE Model for all studies ( $p = 0.54$ ; $I^2 = 59.8\%$ , $\tau^2 = 0.01$ )	0.97 [0.88, 1.07]	ROB Missing Evidence:							×

Observed Outcome

**Judgement**

- Critical risk of bias
- Serious risk of bias
- Moderate risk of bias
- Low risk of bias
- No information

### Low-density lipoprotein cholesterol

Low-density lipoprotein cholesterol		Risk of Bias									
Author(s) and Year	Estimate [95% CI]	D1	D2	D3	D4	D5	D6	D7	O		
Moderate											
Tynkkynen (DILGOM), 2018	0.98 [0.73, 1.31]	-	-	+	+	+	+	-	-		
Tynkkynen (EGCUT), 2018	0.95 [0.69, 1.30]	-	-	+	+	+	+	-	-		
Tynkkynen (FINRISK 97), 2018	0.95 [0.77, 1.17]	-	-	+	+	+	+	-	-		
Tynkkynen (WHITEHALL), 2018	0.82 [0.68, 0.98]	-	-	+	+	+	+	-	-		
RE Model for Subgroup (p = 0.07; I <sup>2</sup> = 0.0%, τ <sup>2</sup> = 0.00)											
Serious											
Schilling, 2017	1.06 [0.98, 1.14]	X	-	+	+	+	+	-	X		
RE Model for all studies (p = 0.54; I <sup>2</sup> = 43.7%, τ <sup>2</sup> = 0.01)		ROB Missing Evidence:								X	

0.3

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Observed Outcome

Critical risk of bias

Serious risk of bias

Moderate risk of bias

Low risk of bias

No information

### High-density lipoprotein cholesterol

<b>High-density lipoprotein cholesterol</b>			<b>Risk of Bias</b>							
<b>Author(s) and Year</b>		<b>Estimate [95% CI]</b>	D1	D2	D3	D4	D5	D6	D7	O
<b>Moderate</b>										
Tynkkynen (DILGOM), 2018		1.20 [0.92, 1.57]	-	-	+	+	+	+	-	-
Tynkkynen (EGCUT), 2018		1.35 [0.95, 1.92]	-	-	+	+	+	+	-	-
Tynkkynen (FINRISK 97), 2018		0.94 [0.76, 1.16]	-	-	+	+	+	+	-	-
Tynkkynen (WHITEHALL), 2018		1.05 [0.86, 1.28]	-	-	+	+	+	+	-	-
RE Model for Subgroup ( $p = 0.28; I^2 = 23.5\%, \tau^2 = 0.00$ )		1.08 [0.94, 1.24]								
<b>Serious</b>										
Peters, 2009		1.30 [0.95, 1.79]	X	-	+	+	+	+	-	X
Schilling, 2017		0.99 [0.90, 1.08]	X	-	+	+	+	+	-	X
Tynkkynen (NA), 2016		0.94 [0.65, 1.36]	X	-	+	+	+	+	-	X
RE Model for Subgroup ( $p = 0.67; I^2 = 28.8\%, \tau^2 = 0.01$ )		1.03 [0.89, 1.20]								
RE Model for all studies ( $p = 0.32; I^2 = 18.9\%, \tau^2 = 0.00$ )		1.05 [0.96, 1.14]	ROB Missing Evidence:							X
	 Observed Outcome									

**Judgement**

- Critical risk of bias
- Serious risk of bias
- Moderate risk of bias
- Low risk of bias
- No information

## Triglycerides

Triglycerides Author(s) and Year	Estimate [95% CI]	Risk of Bias							O
		D1	D2	D3	D4	D5	D6	D7	
<b>Moderate</b>									
Tynkkynen (DILGOM), 2018	0.93 [0.69, 1.25]	-	-	+	+	+	+	-	-
Tynkkynen (EGCUT), 2018	0.80 [0.53, 1.21]	-	-	+	+	+	+	-	-
Tynkkynen (FINRISK 97), 2018	1.09 [0.88, 1.35]	-	-	+	+	+	+	-	-
Tynkkynen (WHITEHALL), 2018	0.69 [0.56, 0.85]	-	-	+	+	+	+	-	-
RE Model for Subgroup ( $p = 0.25$ ; $I^2 = 68.5\%$ , $\tau^2 = 0.04$ )	0.87 [0.69, 1.10]								
<b>Serious</b>									
Mielke, 2005	0.55 [0.25, 1.22]	X	-	+	+	+	+	-	X
Schilling, 2017	1.07 [0.98, 1.17]	X	-	+	+	+	+	-	X
RE Model for Subgroup ( $p = 0.65$ ; $I^2 = 62.2\%$ , $\tau^2 = 0.14$ )	0.87 [0.47, 1.59]								
RE Model for all studies ( $p = 0.27$ ; $I^2 = 73.0\%$ , $\tau^2 = 0.03$ )	0.90 [0.74, 1.09]	ROB Missing Evidence:							X

0.3 1 3

Observed Outcome

**Judgement**

- Critical risk of bias
- Serious risk of bias
- Moderate risk of bias
- Low risk of bias
- No information