

**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>Serious</b>									
Mielke, 2005	0.77 [0.61, 0.97]	X	-	+	+	+	+	-	X
Peters, 2009	0.92 [0.71, 1.20]	X	-	+	+	+	+	-	X
Rantanen, 2017	1.12 [1.01, 1.24]	X	-	+	+	+	+	-	X
Schilling, 2017	1.06 [0.98, 1.15]	X	-	+	+	+	+	-	X
RE Model for Subgroup ( $p = 0.97$ ; $I^2 = 69.2\%$ , $\tau^2 = 0.01$ )	1.00 [0.88, 1.13]								
<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]								
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:							X

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	
<b>Serious</b>											
Schilling, 2017		1.06 [0.98, 1.14]									
<b>Moderate</b>											
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)		0.90 [0.80, 1.01]									
RE Model for all studies (p = 0.54; I <sup>2</sup> = 43.7%, τ <sup>2</sup> = 0.01)		0.97 [0.86, 1.08]	ROB Missing Evidence:								
			<b>Judgement</b> Critical risk of bias Serious risk of bias Moderate risk of bias Low risk of bias No information								
Observed Outcome											

### High-density lipoprotein cholesterol

High-density lipoprotein cholesterol		Risk of Bias							
Author(s) and Year	Estimate [95% CI]	D1	D2	D3	D4	D5	D6	D7	O
<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]								
<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]								
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

<b>Triglycerides</b>			Risk of Bias	O
Author(s) and Year		Estimate [95% CI]	D1 D2 D3 D4 D5 D6 D7	
<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]		
<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]		
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

Observed Outcome

**Judgement**  
■ Critical risk of bias  
■ Serious risk of bias  
■ Moderate risk of bias  
■ Low risk of bias  
■ No information