

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

| Total cholesterol<br>Author(s) and Year  |  | Estimate [95% CI] | Risk of Bias          |    |    |    |    |    |    |   |
|--|--|-------------------|-----------------------|----|----|----|----|----|----|---|
|  |  |                   | D1                    | D2 | D3 | D4 | D5 | D6 | D7 | O |
| <b>Serious</b>   |  |                   |                       |    |    |    |    |    |    |   |
| Rantanen, 2017   |  | 0.95 [0.76, 1.18] |                       |    |    |    |    |    |    |   |
| Schilling, 2017  |  | 1.12 [1.02, 1.23] |                       |    |    |    |    |    |    |   |
| Tan, 2003.2  |  | 0.97 [0.90, 1.05] |                       |    |    |    |    |    |    |   |
| Tan, 2003.1  |  | 0.95 [0.87, 1.04] |                       |    |    |    |    |    |    |   |
| Yoshitake, 1995  |  | 1.10 [0.80, 1.51] |                       |    |    |    |    |    |    |   |
| RE Model for Subgroup (p = 0.09; I <sup>2</sup> = 50.3%, τ <sup>2</sup> = 0.00)    |  | 1.01 [0.93, 1.09] |                       |    |    |    |    |    |    |   |
| <b>Moderate</b>  |  |                   |                       |    |    |    |    |    |    |   |
| Tynkkynen (DILGOM), 2018   |  | 1.07 [0.79, 1.45] |                       |    |    |    |    |    |    |   |
| Tynkkynen (FINRISK 97), 2018   |  | 0.92 [0.70, 1.21] |                       |    |    |    |    |    |    |   |
| Tynkkynen (WHITEHALL), 2018  |  | 0.92 [0.65, 1.30] |                       |    |    |    |    |    |    |   |
| RE Model for Subgroup (p = 0.73; I <sup>2</sup> = 0.0%, τ <sup>2</sup> = 0.00)     |  | 0.97 [0.81, 1.15] |                       |    |    |    |    |    |    |   |
| RE Model for all studies (p = 0.27; I <sup>2</sup> = 20.7%, τ <sup>2</sup> = 0.00) |  | 1.00 [0.94, 1.06] | 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 |
| <b>Serious</b>  |                   |                       |    |    |    |    |    |    |   |
| Schilling, 2017   | 1.12 [1.02, 1.22] | X                     | +  | +  | +  | +  | +  | -  | X |
| Yoshitake, 1995   | 0.89 [0.63, 1.26] | X                     | -  | +  | +  | +  | +  | -  | X |
| RE Model for Subgroup ( $p = 0.21$ ; $I^2 = 36.9\%$ , $\tau^2 = 0.01$ )   | 1.06 [0.88, 1.28] |                       |    |    |    |    |    |    |   |
| <b>Moderate</b>   |                   |                       |    |    |    |    |    |    |   |
| Tynkkynen (DILGOM), 2018  | 1.02 [0.76, 1.37] | -                     | -  | +  | +  | +  | +  | -  | - |
| Tynkkynen (FINRISK 97), 2018  | 0.94 [0.73, 1.21] | -                     | -  | +  | +  | +  | +  | -  | - |
| Tynkkynen (WHITEHALL), 2018   | 0.90 [0.63, 1.28] | -                     | -  | +  | +  | +  | +  | -  | - |
| RE Model for Subgroup ( $p = 0.85$ ; $I^2 = 0.0\%$ , $\tau^2 = 0.00$ )    | 0.96 [0.81, 1.13] |                       |    |    |    |    |    |    |   |
| RE Model for all studies ( $p = 0.38$ ; $I^2 = 3.9\%$ , $\tau^2 = 0.00$ ) | 1.06 [0.98, 1.16] | ROB Missing Evidence: |    |    |    |    |    |    | X |

Observed Outcome

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**Judgement**

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

### 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>  |  |                   |  |    |    |    |    |    |    |   |  |  |
| Schilling, 2017   |  | 0.99 [0.89, 1.11] | X  | +  | +  | +  | +  | +  | +  | X |  |  |
| Tynkkynen (NA), 2016  |  | 0.84 [0.66, 1.07] | X  | -  | +  | +  | +  | +  | -  | X |  |  |
| Yoshitake, 1995   |  | 1.06 [0.77, 1.46] | X  | -  | +  | +  | +  | +  | +  | X |  |  |
| RE Model for Subgroup (p = 0.41; I <sup>2</sup> = 0.0%, τ <sup>2</sup> = 0.00)    |  | 0.97 [0.88, 1.07] |  |    |    |    |    |    |    |   |  |  |
| <b>Moderate</b>   |  |                   |  |    |    |    |    |    |    |   |  |  |
| Tynkkynen (DILGOM), 2018  |  | 1.14 [0.87, 1.50] | -  | -  | +  | +  | +  | +  | -  | - |  |  |
| Tynkkynen (FINRISK 97), 2018  |  | 0.90 [0.71, 1.14] | -  | -  | +  | +  | +  | +  | -  | - |  |  |
| Tynkkynen (WHITEHALL), 2018   |  | 1.18 [0.82, 1.70] | -  | -  | +  | +  | +  | +  | -  | - |  |  |
| RE Model for Subgroup (p = 0.32; I <sup>2</sup> = 13.3%, τ <sup>2</sup> = 0.00)   |  | 1.03 [0.87, 1.23] |  |    |    |    |    |    |    |   |  |  |
| RE Model for all studies (p = 0.48; I <sup>2</sup> = 0.0%, τ <sup>2</sup> = 0.00) |  | 0.99 [0.91, 1.07] | ROB Missing Evidence:  |    |    |    |    |    |    | X |  |  |
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|   |  |                   | Observed Outcome   |    |    |    |    |    |    |   |  |  |
|   |  |                   | <div><b>Judgement</b><br/>Critical risk of bias<br/>Serious risk of bias<br/>Moderate risk of bias<br/>Low risk of bias<br/>No information</div> |    |    |    |    |    |    |   |  |  |

## Triglycerides

| Triglycerides  |                   | Risk of Bias          |    |    |    |    |    |    |   |
|--|-------------------|-----------------------|----|----|----|----|----|----|---|
| Author(s) and Year   | Estimate [95% CI] | D1                    | D2 | D3 | D4 | D5 | D6 | D7 | O |
| <b>Serious</b>   |                   |                       |    |    |    |    |    |    |   |
| Schilling, 2017  | 1.02 [0.92, 1.14] | X                     | +  | +  | +  | +  | +  | -  | X |
| Yoshitake, 1995  | 1.32 [0.97, 1.79] | X                     | -  | +  | +  | +  | +  | +  | X |
| RE Model for Subgroup (p = 0.12; I <sup>2</sup> = 59.3%, τ <sup>2</sup> = 0.02)    |                   |                       |    |    |    |    |    |    |   |
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| <b>Moderate</b>  |                   |                       |    |    |    |    |    |    |   |
| Tynkkynen (DILGOM), 2018   | 0.82 [0.60, 1.12] | -                     | -  | +  | +  | +  | +  | +  | - |
| Tynkkynen (FINRISK 97), 2018   | 1.11 [0.87, 1.42] | -                     | -  | +  | +  | +  | +  | +  | - |
| Tynkkynen (WHITEHALL), 2018  | 0.69 [0.47, 1.02] | -                     | -  | +  | +  | +  | +  | +  | - |
| RE Model for Subgroup (p = 0.09; I <sup>2</sup> = 59.3%, τ <sup>2</sup> = 0.04)    |                   |                       |    |    |    |    |    |    |   |
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| RE Model for all studies (p = 0.06; I <sup>2</sup> = 55.8%, τ <sup>2</sup> = 0.02) |                   | ROB Missing Evidence: |    |    |    |    |    |    | X |
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