

Mean difference total cholesterol [95% CI]

Author(s) and Year

Studies published between 1980–1999

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Woo et al., 1999

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Wyatt et al., 1980
Russell-Jones et al., 1990
Campos et al., 1991
Reddy et al., 1994
Huang et al., 1994
Mollenhause et al., 1995
Gharbi et al., 1996
Al-Nuaim, 1997
Gupta et al., 1997

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Wyatt et al., 1980
Russell-Jones et al., 1990
Campos et al., 1991
Huang et al., 1994
Mollenhause et al., 1995
Gharbi et al., 1996
Al-Nuaim, 1997

RE model for studies published between 1980–1999 :
(Q = 249.69 , df = 16 , p = 0.00 ; I² = 96.5 %)

0.02 [-0.23, 0.27]

0.07 [-0.50, 0.64]
1.79 [1.22, 2.36]
0.26 [0.03, 0.49]
0.77 [0.56, 0.98]
0.48 [0.42, 0.54]
0.27 [0.06, 0.48]
0.46 [0.17, 0.75]
-0.20 [-0.36, -0.04]
0.28 [0.08, 0.48]

0.18 [-0.29, 0.65]
1.20 [0.84, 1.56]
0.26 [-0.03, 0.55]
0.68 [0.63, 0.73]
0.24 [0.10, 0.38]
0.48 [0.21, 0.75]
-0.05 [-0.21, 0.11]

0.40 [0.20, 0.60]

Studies published between 2000–2009

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Abdul-Rahim et al., 2001
Tazi et al., 2003
Snehalatha, 2009

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Aguilar-Salinas et al., 2001
Glew et al., 2004
Tatsukawa et al., 2004
Gu et al., 2005
Patel et al., 2005
Lim et al., 2006
Pongchayakul et al., 2006
Mbalilaki et al., 2007
Gregory et al., 2007

Aguilar-Salinas et al., 2001
Glew et al., 2004
Tatsukawa et al., 2004
Gu et al., 2005
Patel et al., 2005
Lim et al., 2006
Pongchayakul et al., 2006
Mbalilaki et al., 2007
Gregory et al., 2007

RE model for studies published between 2000–2009 :
(Q = 572.59 , df = 20 , p = 0.00 ; I² = 97.6 %)

0.08 [-0.07, 0.23]
0.47 [0.37, 0.57]
0.54 [0.48, 0.60]

0.58 [0.22, 0.94]
0.47 [0.16, 0.78]
-0.30 [-0.40, -0.20]
0.28 [0.22, 0.34]
0.74 [0.47, 1.01]
0.47 [0.42, 0.52]
0.97 [0.75, 1.19]
0.90 [0.72, 1.08]
0.35 [0.16, 0.54]

0.25 [-0.08, 0.58]
0.78 [0.53, 1.03]
-0.15 [-0.23, -0.07]
0.27 [0.22, 0.32]
0.53 [0.32, 0.74]
0.07 [0.02, 0.12]
0.30 [0.07, 0.53]
0.70 [0.51, 0.89]
0.05 [-0.11, 0.21]

0.39 [0.24, 0.53]

Studies published between 2010–2017

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Joshi et al., 2014

Seck et al., 2015

Song et al., 2017

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Das et al., 2011
Sarrafzadegan et al., 2012
Oommen et al., 2016
Htet et al., 2016
Kodaman et al., 2017

Das et al., 2011
Sarrafzadegan et al., 2012
Pandey et al., 2013
Mohan et al., 2016
Oommen et al., 2016
Htet et al., 2016
Kodaman et al., 2017

RE model for studies published between 2010–2017 :
(Q = 1829.25 , df = 14 , p = 0.00 ; I² = 99.0 %)

0.34 [0.24, 0.44]
1.37 [1.32, 1.42]
0.12 [0.02, 0.22]

-0.02 [-0.20, 0.16]
-0.13 [-0.23, -0.03]
0.38 [0.30, 0.46]
0.50 [0.30, 0.70]
0.73 [0.62, 0.84]

-0.31 [-0.48, -0.14]
-0.10 [-0.21, 0.01]
0.36 [0.31, 0.41]
0.59 [0.54, 0.64]
0.18 [0.11, 0.25]
0.00 [-0.20, 0.20]
0.76 [0.66, 0.86]

0.32 [0.10, 0.54]

RE model

(Q = 2945.45 , df = 52 , p = 0.00 ; I² = 98.1 %)

0.37 [0.27, 0.48]

Higher in rural areas Higher in urban areas

0 0.5 1 1.5

Mean difference