

### Mean difference LDL cholesterol [95% CI]

#### Author(s) and Year

Studies published between 1980–1999

♂

Woo et al., 1999



-0.05 [-0.28, 0.18]

♂

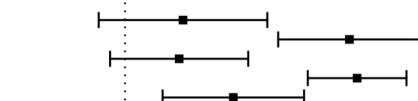
Campos et al., 1991

Reddy et al., 1994

Mollentze et al., 1995

Al-Nuaim, 1997

Gupta et al., 1997



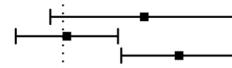
0.15 [-0.07, 0.37]  
0.58 [0.40, 0.76]  
0.14 [-0.04, 0.32]  
0.60 [0.47, 0.73]  
0.28 [0.10, 0.46]

♀

Campos et al., 1991

Mollentze et al., 1995

Al-Nuaim, 1997



0.21 [-0.03, 0.45]  
0.01 [-0.12, 0.14]  
0.30 [0.15, 0.45]

RE model for studies published between 1980–1999 :  
(Q = 62.24, df = 8, p = 0.00 ; I^2 = 85.1 %)



0.25 [0.10, 0.40]

Studies published between 2000–2009

♂

Abdul-Rahim et al., 2001



0.48 [0.33, 0.63]

♂

Aguilar-Salinas et al., 2001

Glew et al., 2004

Tatsukawa et al., 2004

Gu et al., 2005

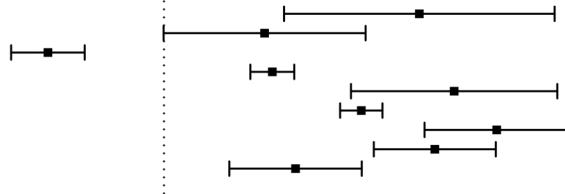
Patel et al., 2005

Lim et al., 2006

Pongchayakul et al., 2006

Mbalilaki et al., 2007

Gregory et al., 2007



0.66 [0.31, 1.01]  
0.26 [-0.00, 0.52]  
-0.30 [-0.40, -0.20]  
0.28 [0.22, 0.34]  
0.75 [0.48, 1.02]  
0.51 [0.46, 0.56]  
0.86 [0.67, 1.05]  
0.70 [0.54, 0.86]  
0.34 [0.17, 0.51]

♀

Aguilar-Salinas et al., 2001

Glew et al., 2004

Tatsukawa et al., 2004

Gu et al., 2005

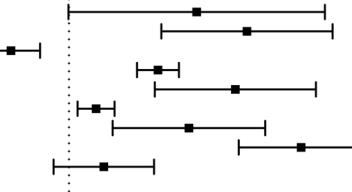
Patel et al., 2005

Lim et al., 2006

Pongchayakul et al., 2006

Mbalilaki et al., 2007

Gregory et al., 2007



0.33 [-0.00, 0.66]  
0.46 [0.24, 0.68]  
-0.15 [-0.23, -0.07]  
0.23 [0.18, 0.28]  
0.43 [0.22, 0.64]  
0.07 [0.02, 0.12]  
0.31 [0.11, 0.51]  
0.60 [0.44, 0.76]  
0.09 [-0.04, 0.22]

RE model for studies published between 2000–2009 :  
(Q = 507.71, df = 18, p = 0.00 ; I^2 = 97.0 %)



0.35 [0.22, 0.49]

Studies published between 2010–2017

♂

Joshi et al., 2014



0.21 [0.13, 0.29]

♂

Das et al., 2011

Sarrafzadegan et al., 2012

Kodaman et al., 2017



-0.07 [-0.25, 0.11]  
-0.21 [-0.30, -0.12]  
0.77 [0.69, 0.85]

♀

Das et al., 2011

Sarrafzadegan et al., 2012

Kodaman et al., 2017



-0.35 [-0.52, -0.18]  
-0.11 [-0.20, -0.02]  
0.66 [0.57, 0.75]

RE model for studies published between 2010–2017 :  
(Q = 466.52, df = 6, p = 0.00 ; I^2 = 98.7 %)



0.13 [-0.19, 0.46]

RE model

(Q = 1039.40, df = 34, p = 0.00 ; I^2 = 96.9 %)

Higher in urban areas



0.28 [0.17, 0.39]

