ONLINE SUPPLEMENTAL MATERIAL

Dietary magnesium intake and risk of cardiovascular disease, type 2 diabetes, and all-cause mortality: A dose-response meta-analysis of prospective cohort studies

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Contents:

Table S1 Quality assessment and references of all included prospective cohort studies

Author, year	Selection				Comparability	Outcome			Overall quality
	Representative of cases	Selection of controls	Exposure ascertainment	No history of disease	Comparable on confounders	Outcome assessment	Adequate follow-up time (> 5 years)	Follow-up rate (> 80%)	
Adebamowo *et al*，2015(1)	1	1	1	1	2	1	1	0	8
Adebamowo *et al*，2015(2)	1	1	1	1	1	1	1	1	9
Al-Delaimy *et al*, 2004(3)	1	1	1	1	2	1	1	1	9
Ascherio *et al*, 1998(4)	1	1	1	1	2	1	1	1	9
Bain *et al*, 2015(5)	1	1	1	1	2	1	1	1	9
Chiuve *et al*, 2011(6)	1	1	1	1	2	1	1	1	9
Chiuve *et al*, 2013(7)	1	1	1	1	2	1	1	0	8
Dai *et al*, 2013(8)	1	1	1	1	2	1	1	1	9
de Oliveira Otto *et al*, 2012(9)	1	1	1	1	2	1	0	0	7
Guasch-Ferré *et al*, 2014(10)	1	1	1	1	2	1	0	0	7
Hata *et al*, 2013(11)	1	1	1	1	2	1	1	1	9
Hodge *et al*, 2004(12)	1	1	1	0	2	1	0	1	7

Hopping *et al*, 2010(13)	1	1	1	1	2	1	1	0	8
Hruby *et al*, 2014(14)	1	1	1	0	2	1	1	0	7
Huang *et al*, 2015(15)	1	1	1	0	2	1	1	0	7
Iso *et al*, 1999(16)	1	1	1	0	2	1	1	1	8
Kaluza *et al*, 2010(17)	1	1	1	1	2	1	1	0	8
Kao *et al*, 1999(18)	1	1	1	1	2	1	1	0	8
Kim *et al*, 2010(19)	1	1	1	1	2	1	1	1	9
Kirii *et al*, 2010(20)	1	1	1	1	2	1	0	0	7
Konishi *et al*, 2015(21)	1	1	1	1	2	1	1	0	8
Larsson *et al*, 2008(22)	1	1	1	1	2	1	1	1	9
Larsson *et al*, 2011(23)	1	1	1	0	2	1	1	0	7

Levitan *et al*, 2013(24)	1	1	1	0	2	1	0	0	7
Liao *et al*, 1998(25)	1	1	1	0	2	1	1	1	8
Lin *et al*, 2013(26)	1	1	1	1	2	1	1	0	8
Lopez-Ridaura *et al*, 2004(27)	1	1	1	1	2	1	1	1	9
Meyer *et al*, 2000(28)	1	1	1	1	2	1	1	1	9
Nanri *et al*, 2010(29)	1	1	1	1	2	1	0	1	8
Ohira *et al*, 2009(30)	1	1	1	1	2	1	1	1	9
Schulze *et al*, 2007(31)	1	1	1	1	2	1	1	1	9
Song *et al*, 2004(32)	1	1	1	1	2	1	1	1	9
Song *et al*, 2005(33)	1	1	1	1	2	1	1	1	9
Tao *et al*, 2016(34)	1	1	1	0	2	1	1	1	8

Taveira *et al*, 2016(35)	1	1	1	1	2	1	1	1	9
van Dam *et al*, 2006(36)	1	1	1	1	2	1	1	1	9
Villegas *et al*, 2009(37)	1	1	1	1	2	1	1	1	9
Weng *et al*, 2008(38)	1	1	1	1	2	1	1	0	8
Weng *et al*, 2012(39)	1	1	1	1	2	1	0	0	7
Zhang *et al*, 2012(40)	1	1	1	1	2	1	1	0	8

Average: 8.2

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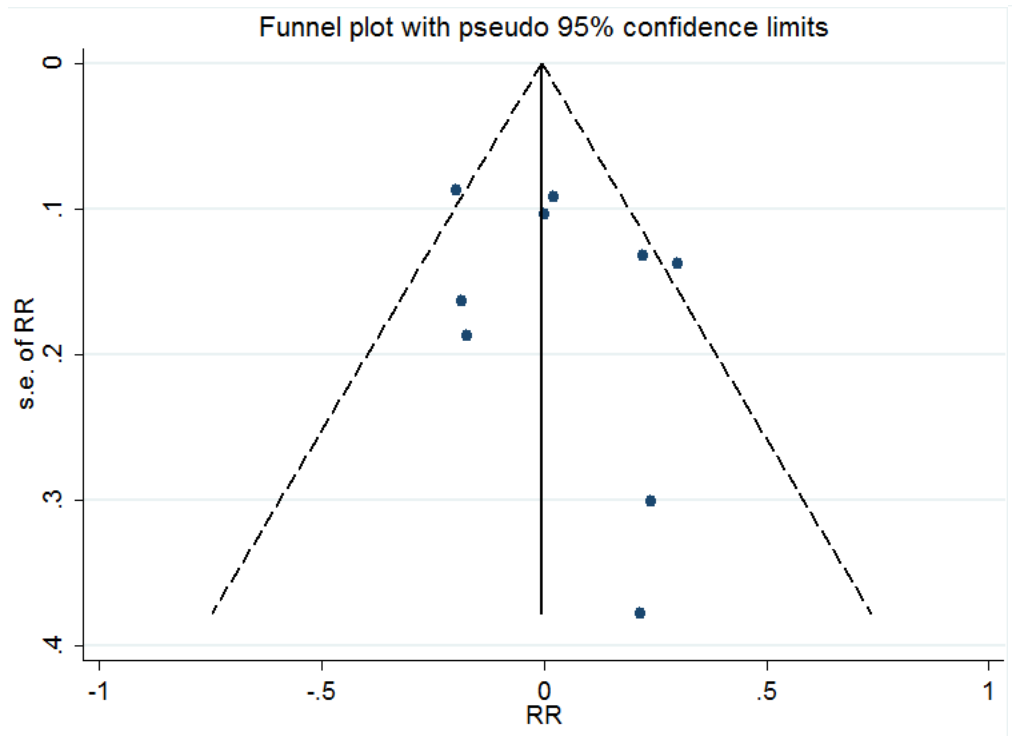
Table S2 Publication bias measured by Begg's and Egger's test

Outcomes	Highest *v* lowest category		Per 100 mg/day increase	
	Begg's test	Egger's tset	Begg's test	Egger's test
Total CVD	0.47	0.40	0.59	0.70
Coronary heart disease	0.60	0.90	0.13	0.30
Stroke	0.82	0.49	0.15	0.35
Type 2 diabetes	0.26	0.39	0.78	0.39
All-cause mortality	0.26	0.13	0.26	0.27

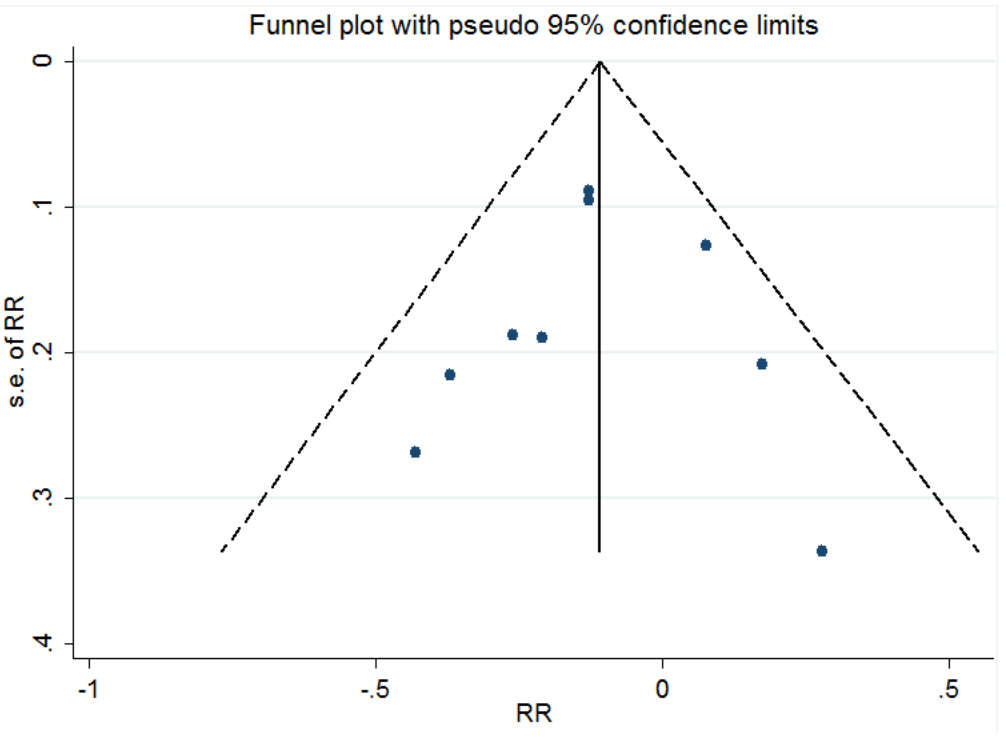
Figure S1

Funnel plots (highest *v* lowest)

A CVD

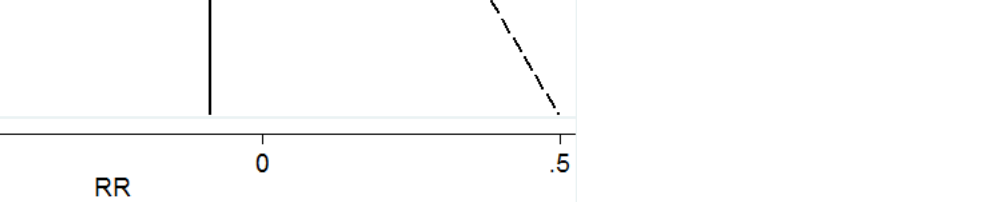


B CHD



C Stroke

D T2DM

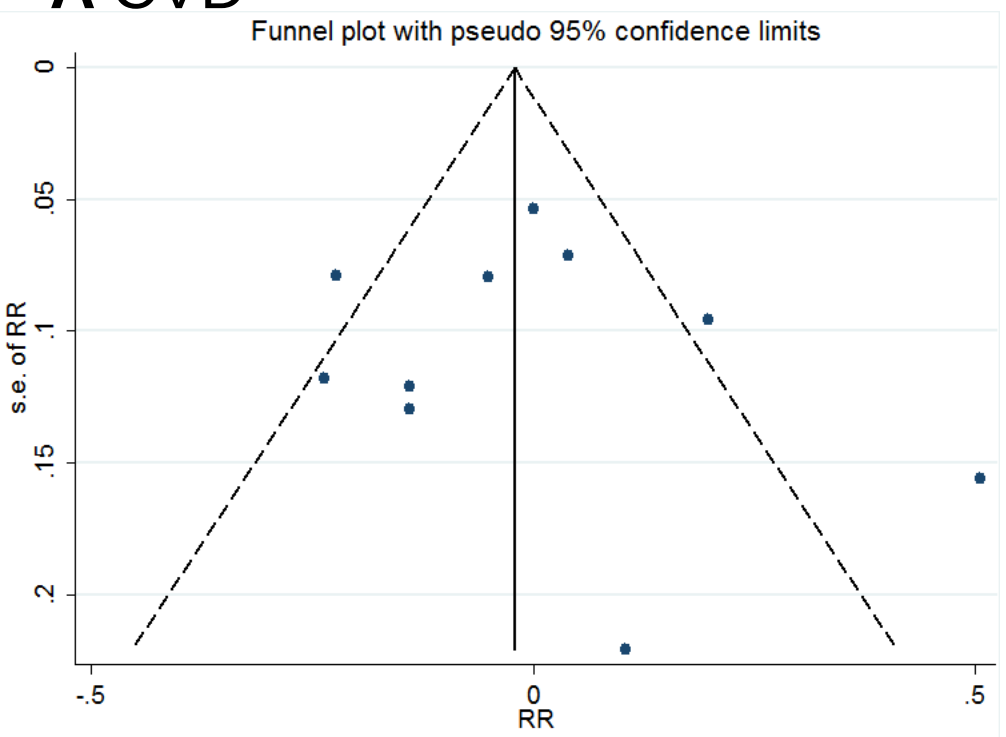


E All-cause mortality

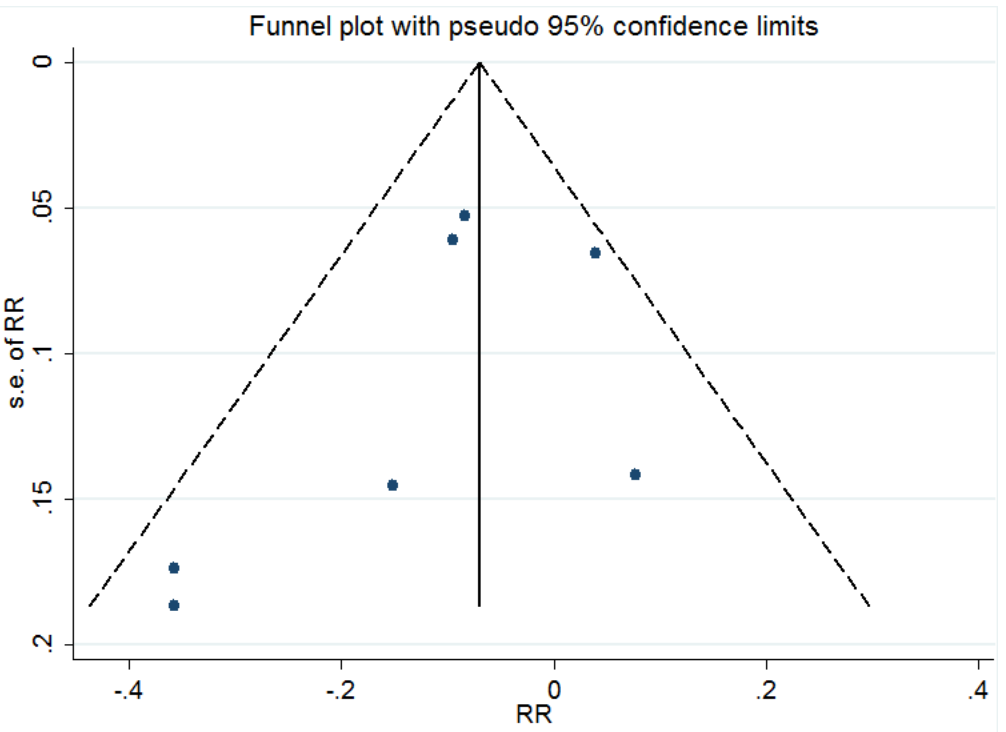
Figure S2

Funnel plots (Per 100 mg/day increase)

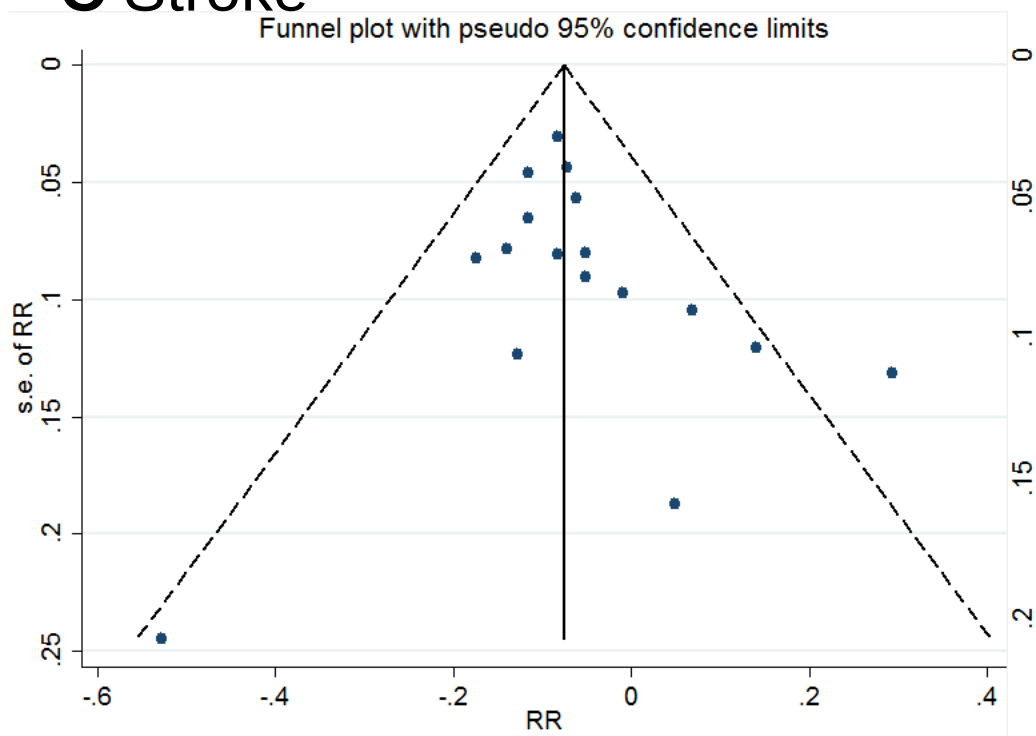
A CVD



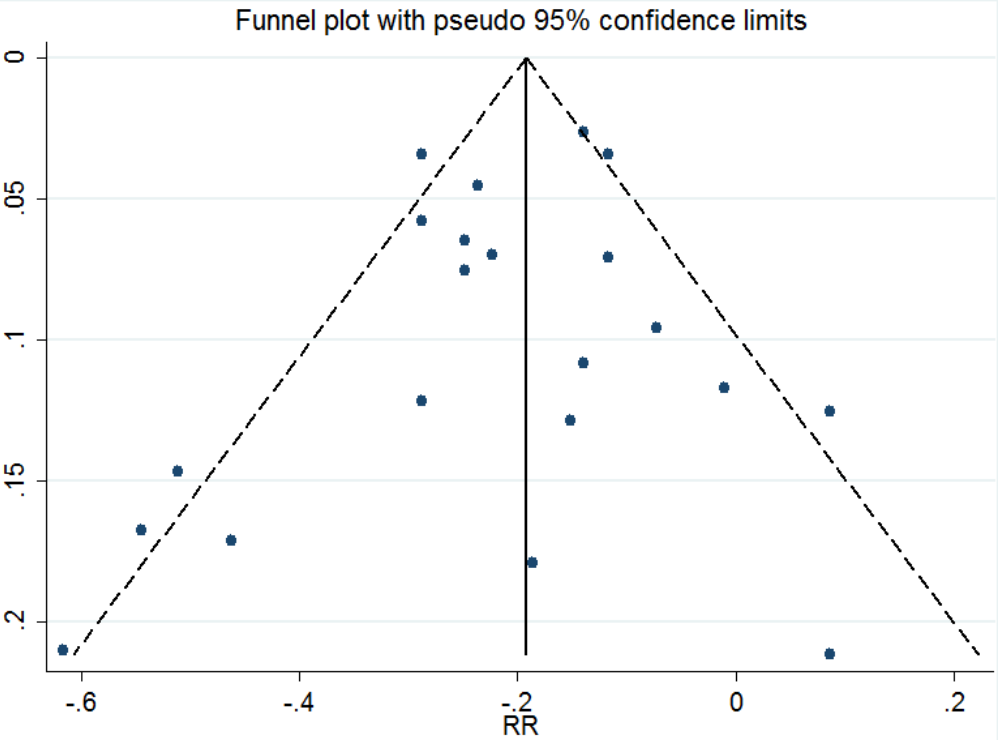
B CHD



C Stroke



D T2DM



E All-cause mortality