1. Search Strategy

Source: PubMed
Searched on: January 29th, 2015
#1   (("Tobacco Smoke Pollution"[Mesh]) OR passive smoking [Title/Abstract])
OR second hand smoke [Title/Abstract]
#2   ((("Cross-Sectional Studies"[Mesh]) OR descriptive study [Title/Abstract])
OR epidemiology [Title/Abstract]) OR survey [Title/Abstract]
#3   ((((China [Affiliation]) OR Macau [Affiliation]) OR Hong Kong [Affiliation]))
OR Taiwan [Affiliation]
#4   #1 AND #2 AND #3

Source: CBM (the Chinese Biological Medical Literature database)
Searched on: January 29th, 2015
主题词检索(Mesh search)
　　　("烟草烟污染"[不加权:扩展]) AND "横断面研究"[不加权:扩展]
　　　="Tobacco Smoke Pollution" [Mesh] AND "Cross-Sectional Studies"[Mesh]
关键词检索(Keyword search)
#1   被动吸烟 AND 横断面
#2   被动吸烟 AND 现况
#3   环境烟草 AND 横断面
#4   环境烟草 AND 现况
#5   #1 OR #2 OR #3 OR #4

The search strategy in other database just did some adjustments on the basis of the
above database.

2. Methodological scoring system used to rate studies included

Item	Score	
1. Random sample or whole population	1	point
2. Unbiased sampling frame (i.e. census data)	1	point
3. Adequate sample size (>300 subjects)	1	point
4. Measures were the standard	1	point
5. Outcomes measured by unbiased assessors	1	point
6. Adequate response rate (70%), refusers described	1	point
7. Confidence intervals, subgroup analysis	1	point
8. Study subjects described	1	point
Maximum score	8	points

Table S1　Methodological quality assessment results for included studies

Study	item 1	item 2	item 3	item 4	item 5	item 6	item 7	item 8	Total*	Quality Category#
Yang et al. (2015)[15]	1	0	1	1	1	0	1	1	6	Moderate
Chinese CDC (2014)[44]	1	1	1	1	1	1	0	1	7	Good
Cai, L. et al. (2014)[34]	1	0	1	1	1	0	1	1	6	Moderate
Chen et al.(a) (2014)[33]	1	0	1	1	1	1	0	1	6	Moderate
Chen et al.(b) (2014)[69]	1	0	1	1	1	1	0	1	6	Moderate
Li et al.(a) (2014)[32]	1	0	1	1	1	0	0	1	5	Moderate
Li et al.(b) (2014)[31]	1	0	1	1	1	0	0	1	5	Moderate
Qi et al. (2014)[30]	1	0	1	1	1	0	0	1	5	Moderate
Wang et al. (2014)[59]	1	0	1	1	1	0	1	1	6	Moderate
Yan et al. (2014)[58]	1	0	1	1	1	0	0	1	5	Moderate
Li, S.J et al. (2013)[55]	1	0	1	1	1	0	1	1	6	Moderate
Fan et al. (2013)[70]	1	0	1	1	1	0	0	1	5	Moderate
Li et al. (2013)[46]	1	0	0	1	1	0	0	1	4	Moderate
Liu et al. (2013)[35]	1	0	1	1	1	0	0	1	5	Moderate
Wu et al. (2013)[71]	1	0	1	1	1	1	0	1	6	Moderate
Zhang et al. (2013)[36]	1	0	1	1	1	1	0	1	6	Moderate
Cai, L. et al. (2012)[38]	1	0	1	1	1	0	1	1	6	Moderate
Feng et al. (2012)[53]	1	0	1	1	1	0	0	1	5	Moderate
Han et al. (2012)[57]	1	0	1	1	1	0	0	1	5	Moderate
Huang et al. (2012)[52]	1	0	1	1	1	0	0	1	5	Moderate
Li et al. (2012)[48]	1	0	0	1	0	0	0	1	3	Poor
Sun et al. (2012)[51]	1	0	1	1	1	0	0	1	5	Moderate
Wang et al.(a) (2012)[72]	1	0	1	1	1	0	0	1	5	Moderate

Study									Score	Category
Wang et al.(b) (2012)[56]	1	0	1	1	1	1	0	1	6	Moderate
Wei et al. (2012)[47]	1	0	1	1	1	0	0	1	5	Moderate
Xu et al. (2012)[37]	1	0	1	1	1	0	0	1	5	Moderate
Feng et al. (2011)[63]	1	0	1	1	1	0	0	1	5	Moderate
Meng et al. (2011)[60]	1	0	1	1	1	0	0	1	5	Moderate
Chinese CDC (2010)[18]	1	1	1	1	1	1	0	1	7	Good
GATS China (2010)[6]	1	1	1	1	1	1	1	1	8	Good
Chinese CDC (2009)[39]	1	1	1	1	1	1	0	1	7	Good
Chen et al. (2009)[73]	1	0	1	1	1	0	0	1	5	Moderate
Zhou et al. (2009)[16]	1	0	1	1	1	0	0	1	5	Moderate
Wang et al. (2008)[17]	1	0	1	1	1	1	0	1	6	Moderate
Jiang et al. (2007)[49]	1	0	1	1	0	0	0	1	4	Moderate
Su et al. (2007)[54]	1	0	1	1	1	1	0	1	6	Moderate
Wang et al. (2007)[61]	1	0	1	1	1	0	0	1	5	Moderate
Han et al. (2006)[41]	1	0	1	1	1	0	0	1	5	Moderate
Huang et al. (2006)[50]	1	0	1	1	1	0	0	1	5	Moderate
Ying et al. (2006)[40]	1	0	1	1	0	0	0	1	4	Moderate
Zhang et al. (2006)[62]	1	0	1	1	0	0	0	1	4	Moderate
Ma et al. (2006)[45]	1	1	1	1	1	1	0	1	7	Good
Yang et al. (2005)[42]	1	1	1	1	1	1	0	1	7	Good
Yao et al. (2002)[43]	1	0	1	1	1	0	0	1	5	Moderate
Wen et al. (1999)[74]	1	0	1	1	1	0	0	1	5	Moderate
Lin et al. (1997)[75]	1	0	1	1	0	0	1	1	5	Moderate

*Each item is scored 0 (no/unclear) or 1 (yes) to yield a total score ranging from 0-8.

#Quality category, total quality score was classified as either 'poor' (total score=0–3), 'moderate' (total score=4–6),or 'good' (total score=7–8).

Table S2 Trends in the pooled prevalence of passive smoking by sex, area and age in

the community population aged 15 and above in China: 1995-2013

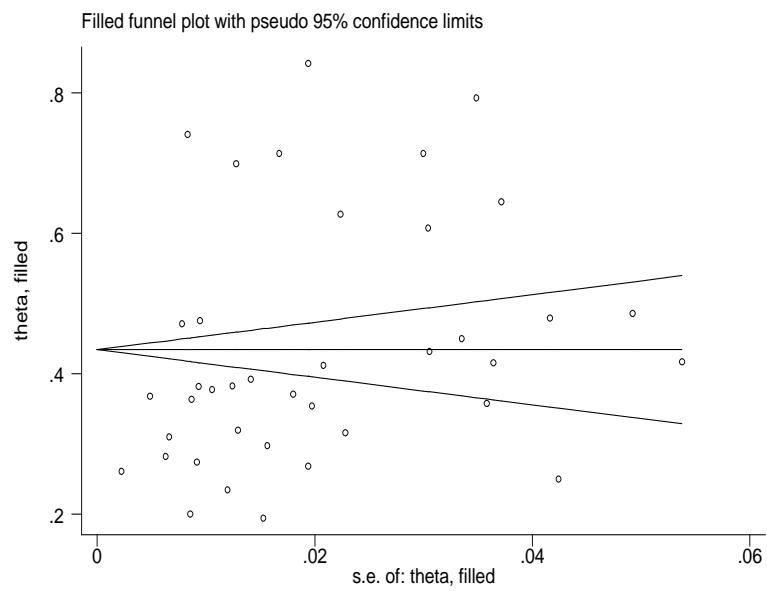| Survey year	1995-1999	2002-2004	2005-2007	2008-2010	2011-2013
Prevalence% (95%CI)					
overall	43.4(30.2-56.5)	50.9(42.2-59.6)	51.6(35.6-67.6)	47.3(41.7-52.9)	50.4(44.7-56.2)
male	31.3(15.9-46.8)	39.0(30.6-47.4)	43.3(28.0-58.6)	48.4(38.5-58.3)	42.4(35.7-48.8)
female	36.8(26.2-47.4)	52.8(43.1-62.6)	36.2(32.1-40.3)	49.2(41.9-56.5)	48.1(42.8-53.5)
urban	28.7(27.2-30.2)	53.6(39.5-67.6)	40.1(35.5-44.6)	51.3(39.3-63.2)	46.5(31.9-61.0)
rural	..	40.1(31.4-48.8)	33.0(18.9-47.1)	47.1(33.1-61.0)	42.8(37.1-48.5)
15-59	29.4(27.9-31.0)	48.5(40.0-57.0)	44.9(36.6-53.1)	49.0(40.7-57.3)	46.2(38.7-53.6)
≥60	26.5(21.2-31.8)	34.1(28.1-40.1)	29.7(28.4-31.0)	38.6(31.8-45.4)	32.8(24.9-40.7)
No. studies (sample)					
overall	3(9065)	9(190324)	5(32005)	19(115141)	9(34147)
male	2(2437)	7(52785)	4(12044)	17(17489)	8(9565)
female	2(6030)	9(137539)	4(31810)	19(70688)	8(24446)
urban	1(3633)	6(63112)	3(18254)	8(33043)	3(5327)
rural	..	6(116797)	2(23063)	6(28035)	4(14126)
15-59	1(3369)	6(135921)	2(32291)	9(47754)	4(23521)
≥60	1(264)	6(27147)	2(4931)	11(25429)	4(2799)

Filled funnel plot with pseudo 95% confidence limits

Figure S1 'Trim and fill' method