Supplementary Material (1) -Search Strategy using keywords

Example of search terms used in PubMed

Search concept	MeSH terms and keywords
Dementia	"Dementia" [MeSH] OR " Alzheimer Disease "[MeSH] OR "Neurocognitive Disorders" [MeSH] "dementia" [tiab] OR " Multiinfarct Dementia" [tiab] OR " Vascular Dementia " [tiab] OR " Senile Dementia" [tiab]
Comorbidity	"Comorbidity" [Mesh] OR "risk factors" [Mesh] "prevalence" [Mesh] OR "epidemiology" OR [Mesh] OR "age distribution" [Mesh] OR "age of onset" [Mesh] OR "sex characteristics" [Mesh] "cardiometabolic risk factors" [Mesh] OR "hypertension" [Mesh] OR "diabetes mellitus" [Mesh] OR "alcoholism" [Mesh] OR "alcohol drinking" [Mesh] OR "dyslipidemias" [Mesh] OR "smoking" [Mesh] "tobacco use" [Mesh] OR "risk factors" [tiab] OR "health correlates" OR onset age [tiab] OR "gender role" [tiab] OR "gender differences" [tiab] OR "gender characteristics" [tiab] "cardiometabolic risk factors" [tiab] OR "hypertension" [tiab] OR "diabetes mellitus" [tiab] OR "alcohol use disorder [tiab] OR "alcohol abuse" [tiab] OR "alcohol dependent" [tiab] OR "dyslipidemias" [tiab] OR "smoking" [tiab] OR "tobacco use" [tiab] "tobacco consumption" [tiab]
India	"india" [MeSH] OR "India" [tiab] OR "South-east Asia" [tiab] OR "low- and middle-income countries" [tiab]

$Supplementary\ Material\ (2.1)-Forest\ plot\ regarding\ proportion\ of\ hypertension\ among\ patients$ with dementia

Study	Events	Total	GLMM, Random, 95% C		GLM	M, Ra	ando	m, 95	% CI	
Lalu JS et al (2018)	16	50	0.32 [0.20; 0.47]	(4)			-			
Mummadi MK (2018)	40	112	0.36 [0.27; 0.45]		8	•	-8			
Kushwaha S et al (2017)	984	1777	0.55 [0.53; 0.58]							
Chandra M et al (2015)	117	159	0.74 [0.66; 0.80]						-	
Chandra SR et al (2014)	59	83	0.71 [0.60; 0.81]					*	-	
Tripathi M et al (2012)	83	150	0.55 [0.47; 0.63]					6		
Poddar K et al (2011)	52	146	0.36 [0.28; 0.44]		-					
Shaji et al.(1996)	30	65	0.46 [0.34; 0.59]		<u> </u>			<u></u>		
Total (95% CI)		2542		72	400	-		_	00	<u></u>
Heterogeneity: Tau ² = 0.35	57; Chi ² =	77.83	$df = 7 (P < 0.01); I^2 = 91\%$							
				0.2	0.3	0.4	0.5	0.6	0.7	0.8

Supplementary Material (2.2) – Forest plot regarding proportion of diabetes among patients with dementia

Study	Events	Total	GLMM, Random, 95% CI	GLMM, Random, 95% CI
Lalu JS et al (2018)	16	50	0.32 [0.20; 0.47]	-
Mummadi MK (2018)	30	112	0.27 [0.19; 0.36]	
Kushwaha S et al (2017)	338	1777	0.19 [0.17; 0.21]	=
Chandra M et al (2015)	65	159	0.41 [0.33; 0.49]	
Chandra SR et al (2014)	24	83	0.29 [0.19; 0.40]	
Tripathi M et al (2012)	50	150	0.33 [0.26; 0.41]	-
Kota LN et al (2012)	104	331	0.31 [0.26; 0.37]	- 1
Poddar K et al (2011)	23	146	0.16 [0.10; 0.23]	-
Total (95% CI)		2808		
Heterogeneity: Tau ² = 0.13	39; Chi ² =	73.01	, df = 7 (P < 0.01); I^2 = 90%	
				0.15 0.2 0.25 0.3 0.35 0.4 0.45

 $Supplementary\ Material\ (2.3)-Forest\ plot\ regarding\ proportion\ of\ stroke\ among\ patients\ with\ dementia$

Study	Events	Total	GLMM, Random, 95% CI	GLMI	M, Rand	dom, 9	5% CI	
Mummadi MK (2018)	8	112	0.07 [0.03; 0.14]					
Chandra SR et al (2014)	16	83	0.19 [0.11; 0.29]	8				
Tripathi M et al (2012)	38	150	0.25 [0.19; 0.33]			-		
Total (95% CI)	oo ou 2	345			<u> </u>			-
Heterogeneity: Tau ⁻ = 0.30	69; Chi =	= 12.98	, df = 2 (P < 0.01); I^2 = 85%	0.1	0.2	0.3	0.4	
				U. I	U.Z	U.S	0.4	

 $Supplementary\ Material\ (2.4)-Forest\ plot\ regarding\ proportion\ of\ dyslipidemia\ among\ patients$ with dementia

Study	Events	Total	GLMM, Random, 95% CI	GLI	MM, Ra	ndom,	95% CI	
Lalu JS et al (2018)	11	50	0.22 [0.12; 0.36]		an Control of the Con			
Kushwaha S et al (2017)	797	1777	0.45 [0.43; 0.47]		+			
Chandra M et al (2015)	126	159	0.79 [0.72; 0.85]					
Chandra SR et al (2014)	40	83	0.48 [0.37; 0.59]		-			
Tripathi M et al (2012)	150	150	1.00 [0.98; 1.00]					-
Total (95% CI)		2219			- <u> </u>			_
Heterogeneity: Tau ² = 6.81	151; Chi ² =	70.18	$df = 4 (P < 0.01); I^2 = 94\%$		1			1
	2000 C (1000)		Frank Depart State (1997)	0.2	0.4	0.6	8.0	1

$Supplementary\ Material\ (2.5)-Forest\ plot\ regarding\ proportion\ of\ tobacco\ use\ among\ patients\ with\ dementia$

Events	Total	GLMM, Random, 95% CI	GL	.MM,	Rand	lom,	95%	CI
22	45	0.49 [0.34; 0.64]			-			- 29
10	50	0.20 [0.10; 0.34]	<i>8</i> 8	+	+			
32	112	0.29 [0.20; 0.38]		-				
84	1777	0.05 [0.04; 0.06]						
39	83	0.47 [0.36; 0.58]				-	+	_
50	150	0.33 [0.26; 0.41]			-	_		
11	50	0.22 [0.12; 0.36]	129	1	1	76		
61	146	0.42 [0.34; 0.50]			-		-00	
16	65	0.25 [0.15; 0.37]	8			C)		
			- 8	-		_		
48; Chi ² =	323.5	1, df = 8 (P < 0.01); I^2 = 98%	I.	8	3		8	
			0.1	0.2	0.3	0.4	0.5	0.6
	22 10 32 84 39 50 11 61	22 45 10 50 32 112 84 1777 39 83 50 150 11 50 61 146 16 65	10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37]	22 45 0.49 [0.34; 0.64] 10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37] 2478 0.27 [0.16; 0.42] 48; Chi² = 323.51, df = 8 (P < 0.01); l² = 98%	22 45 0.49 [0.34; 0.64] 10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37]	22 45 0.49 [0.34; 0.64] 10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37] 2478 0.27 [0.16; 0.42] 48; Chi² = 323.51, df = 8 (P < 0.01); l² = 98%	22 45 0.49 [0.34; 0.64] 10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37] 2478 0.27 [0.16; 0.42] 48; Chi² = 323.51, df = 8 (P < 0.01); l² = 98%	22 45 0.49 [0.34; 0.64] 10 50 0.20 [0.10; 0.34] 32 112 0.29 [0.20; 0.38] 84 1777 0.05 [0.04; 0.06] 39 83 0.47 [0.36; 0.58] 50 150 0.33 [0.26; 0.41] 11 50 0.22 [0.12; 0.36] 61 146 0.42 [0.34; 0.50] 16 65 0.25 [0.15; 0.37] 2478 0.27 [0.16; 0.42] 48; Chi² = 323.51, df = 8 (P < 0.01); l² = 98%

Supplementary Material (2.6) – Forest plot regarding proportion of alcohol use among patients with dementia

Study	Events	Total	GLMM, Random, 95% CI	GLMM, Random, 95% CI
Saikia AM et al (2018)	8	45	0.18 [0.08; 0.32]	111
Lalu JS et al (2018)	7	50	0.14 [0.06; 0.27]	
Mummadi MK (2018)	16	112	0.14 [0.08; 0.22]	
Kushwaha S et al (2017)	27	1777	0.02 [0.01; 0.02]	=
Chandra SR et al (2014)	22	83	0.27 [0.17; 0.37]	
Tripathi M et al (2012)	29	150	0.19 [0.13; 0.27]	-
Poddar K et al (2011)	2	146	0.01 [0.00; 0.05]	-
Total (95% CI)		2363		
Heterogeneity: Tau ² = 1.39	99; Chi ² =	153.8	9, df = 6 (P < 0.01); I^2 = 96%	
330 3	300		30 I I	0.05 0.1 0.15 0.2 0.25 0.3 0.35

Supplementary Material (2.7) – Forest plot regarding proportion of family history of dementia among patients with dementia

Study	Events	Total	GLMM, Random, 95% CI	GLMM, Random, 95% CI
Lalu JS et al (2018)	11	50	0.22 [0.12; 0.36]	-
Tripathi M et al (2012)	22	150	0.15 [0.09; 0.21]	
Alladi S et al (2006)	46	347	0.13 [0.10; 0.17]	
Shaji et al.(1996)	8	65	0.12 [0.05; 0.23]	
Total (95% CI)		612		
Heterogeneity: Tau ² = 0	; Chi ² = 2	.90, df	$= 3 (P = 0.41); I^2 = 0\%$	
				0.1 0.15 0.2 0.25 0.3 0.35