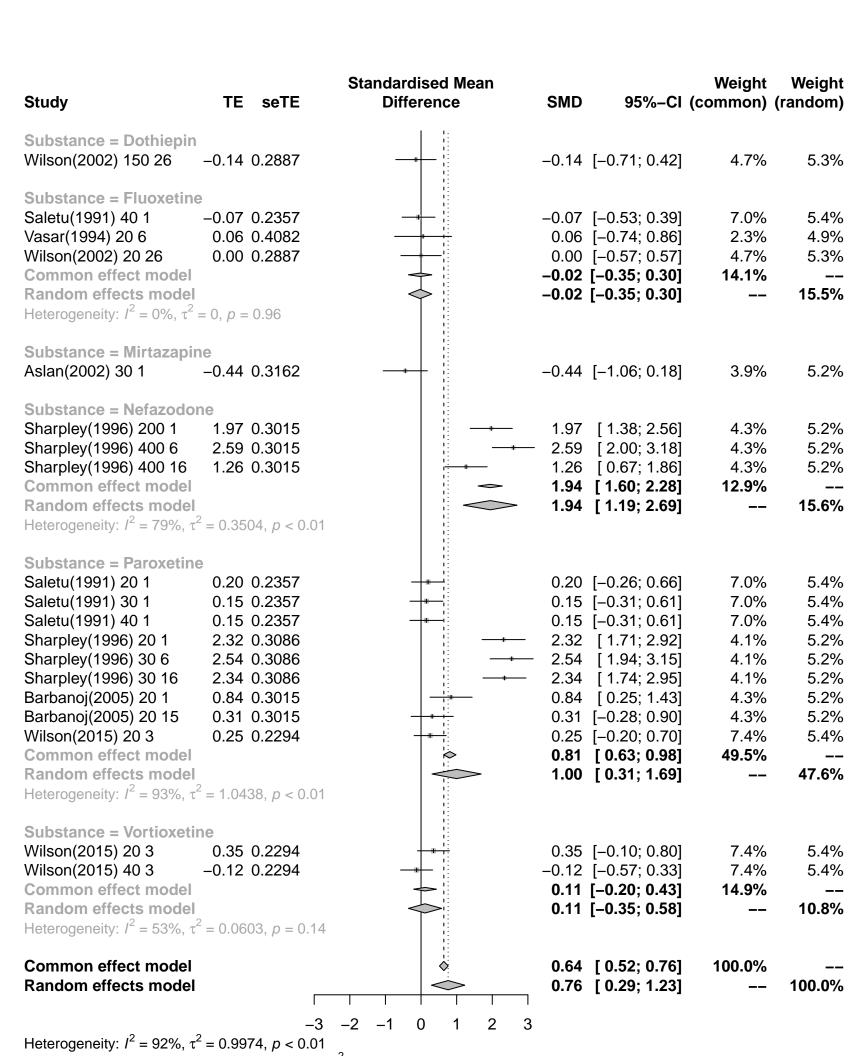
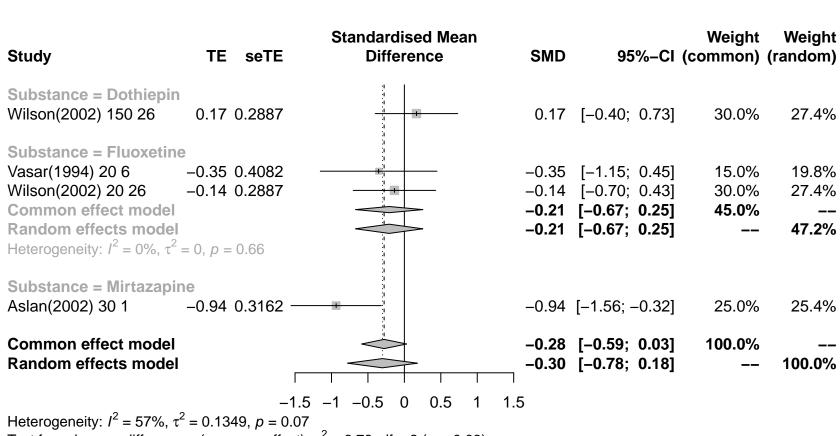
Study	TE	seTE		ised Mean rence	SMD	95%-CI	Weight (common)	_
Substance = Dothiepin			 9					
Wilson(2002) 150 26		0.2887	-	+	-0.03	[-0.60; 0.53]	4.7%	5.3%
Substance = Fluoxetine Saletu(1991) 40 1 Vasar(1994) 20 6 Wilson(2002) 20 26 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	-0.19 -0.46 -0.03	0.2357 0.4082 0.2887		├ -	-0.46 -0.03 -0.18	[-0.66; 0.27] [-1.26; 0.34] [-0.60; 0.53] [-0.51; 0.14]	2.3% 4.7% 14.1%	4.9% 5.3%
Substance = Mirtazapii Aslan(2002) 30 1		0.3162		_	0.03	[-0.59; 0.65]	3.9%	5.2%
Substance = Nefazodo Sharpley(1996) 200 1 Sharpley(1996) 400 6 Sharpley(1996) 400 16 Common effect model Random effects model Heterogeneity: $I^2 = 56\%$, τ	-1.23 -1.95 -1.11	0.3015	10		-1.95 -1.11 -1.43	[-1.82; -0.63] [-2.54; -1.36] [-1.70; -0.52] [-1.77; -1.09] [-1.94; -0.92]	4.3% 4.3% 12.9%	5.2%
Substance = Paroxetine Saletu(1991) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Sharpley(1996) 20 1 Sharpley(1996) 30 6 Sharpley(1996) 30 16 Barbanoj(2005) 20 1 Barbanoj(2005) 20 15 Wilson(2015) 20 3 Common effect model Random effects model Heterogeneity: I ² = 95%, T	-0.39 -0.48 -0.65 -2.89 -3.48 -2.37 -1.67 -0.30 -0.50	0.2357 0.2357 0.2357 0.3086 0.3086 0.3015 0.3015 0.2294		-	-0.48 -0.65 -2.89 -3.48 -2.37 -1.67 -0.30 -0.50 -1.19	[-0.86; 0.07] [-0.94; -0.02] [-1.11; -0.19] [-3.49; -2.28] [-4.08; -2.87] [-2.97; -1.76] [-2.26; -1.08] [-0.89; 0.29] [-0.95; -0.05] [-1.36; -1.01] [-2.20; -0.61]	7.0% 7.0% 4.1% 4.1% 4.3% 4.3% 7.4% 49.5%	5.4% 5.4% 5.2% 5.2% 5.2%
Substance = Vortioxeti Wilson(2015) 20 3 Wilson(2015) 40 3 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	-0.41 -0.31	0.2294 0.2294		- - - >	-0.31 -0.36	[-0.86; 0.04] [-0.76; 0.14] [-0.68; -0.04] [-0.68; -0.04]	7.4% 14.9%	5.4% 5.4% 10.8%
Common effect model Random effects model		ı				[-0.98; -0.73] [-1.42; -0.50]		 100.0%
Heterogeneity: $I^2 = 92\%$, τ Test for subgroup difference Test for subgroup difference	es (com	mon effec	01 at): $\chi_5^2 = 66.30$, df	f = 5 (p < 0.01)	4			



Test for subgroup differences (common effect): $\chi_5^2 = 105.10$, df = 5 (p < 0.01) Test for subgroup differences (random effects): $\chi_5^2 = 33.23$, df = 5 (p < 0.01)



Heterogeneity: $I^2 = 57\%$, $\tau^2 = 0.1349$, p = 0.07Test for subgroup differences (common effect): $\chi_2^2 = 6.78$, df = 2 (p = 0.03) Test for subgroup differences (random effects): $\chi_2^2 = 6.78$, df = 2 (p = 0.03)

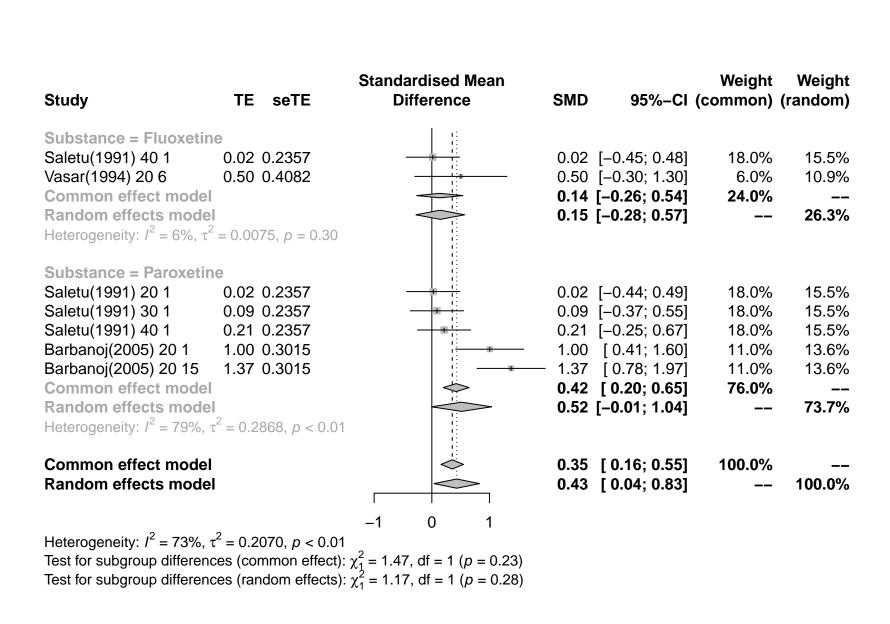
Canala	TE	ooTE		ised Mean	emp.	059/ CI	Weight	_
Study	TE	seTE	Dille	rence	SMD	95%-CI	(common)	(random)
Substance = Dothiepin Wilson(2002) 150 26	0.11	0.2887	_	: : : : : : :	0.11	[-0.45; 0.68]	7.4%	7.7%
,	-0.05	0.4082 0.2887			-0.05 -0.16	[-1.18; 0.42] [-0.62; 0.51] [-0.62; 0.30] [-0.62; 0.30]	7.4%	
Substance = Mirtazapino Aslan(2002) 30 1		0.3162			-1.22	[-1.84; -0.60]	6.2%	7.6%
Substance = Nefazodon Sharpley(1996) 200 1 Sharpley(1996) 400 6 Sharpley(1996) 400 16 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0\%$	1.41 1.25 1.44	0.3015 0.3015 0.3015		* • • • • • • • • • • • • • • • • • • •	1.41 1.25 1.44 1.36	[0.81; 2.00] [0.66; 1.84] [0.85; 2.03] [1.02; 1.70] [1.02; 1.70]	6.8% 6.8% 6.8% 20.4%	7.7%
Substance = Paroxetine Sharpley(1996) 20 1 Sharpley(1996) 30 6 Sharpley(1996) 30 16 Wilson(2015) 20 3 Common effect model Random effects model Heterogeneity: $I^2 = 95\%$, τ^2	2.36 3.13 2.54 0.42	0.3086 0.3086 0.3086 0.2294 47, p < 0.01			1.83	[1.76; 2.97] [2.52; 3.73] [1.93; 3.14] [-0.03; 0.87] [1.55; 2.10] [0.93; 3.27]	6.5% 6.5% 6.5% 11.8% 31.3%	7.7% 7.7% 7.7% 7.9% —— 30.8%
Substance = Vortioxetin Wilson(2015) 20 3 Wilson(2015) 40 3 Common effect model Random effects model Heterogeneity: $I^2 = 66\%$, τ^2	0.30 0.85	0.2294 0.2294 32, <i>p</i> = 0.09			0.85 0.58	[-0.15; 0.75] [0.41; 1.30] [0.26; 0.89] [0.03; 1.12]		7.9% 7.9% 15.7%
Common effect model Random effects model		_	3 -2 -1	0 1 2 3		[0.75; 1.05] [0.26; 1.61]	100.0% 	 100.0%

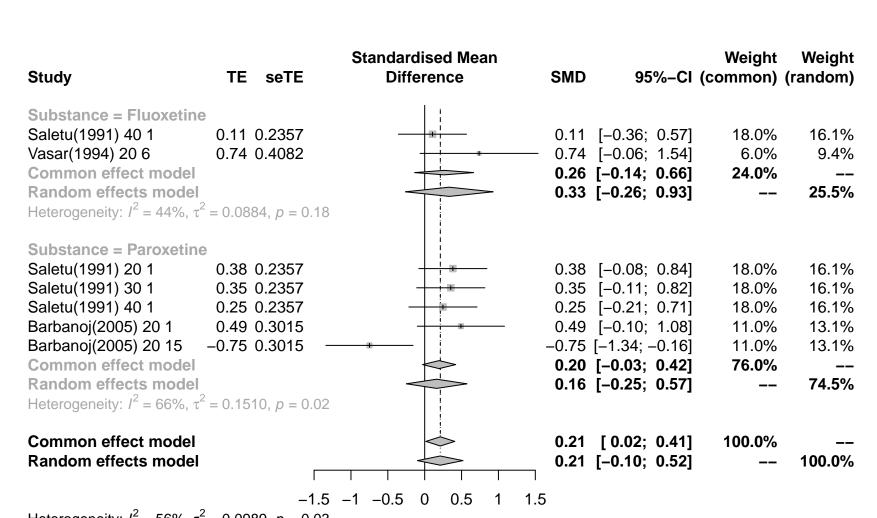
Heterogeneity: $I^2 = 94\%$, $\tau^2 = 1.4443$, p < 0.01Test for subgroup differences (common effect): $\chi_5^2 = 126.94$, df = 5 (p < 0.01) Test for subgroup differences (random effects): $\chi_5^2 = 71.08$, df = 5 (p < 0.01)

Study	TE	seTE	Standard Diffe	ised N erence			SMD	9:	5%–CI	Weight (common)	•
Substance = Dothiepin Wilson(2002) 150 26	0.21	0.2887	-	- :			0.21	[-0.35	; 0.78]	5.4%	6.2%
Substance = Fluoxetine Saletu(1991) 40 1 Vasar(1994) 20 6 Wilson(2002) 20 26 Common effect model Random effects model Heterogeneity: $l^2 = 90\%$, τ^2	0.36 1.36 –0.75	0.2357 0.4082 0.2887 63, <i>p</i> < 0.01	- -	+ + + + + + + + + + + + + + + + + + + +			1.36 -0.75 0.16	[-0.10 [0.56; [-1.31; [-0.17; [-0.87;	2.16] -0.18] 0.49]	2.7% 5.4% 16.1%	6.2% 6.2%
Sharpley(1996) 400 6	0.16 -0.06 -0.60	0.3015	- - - - <	* · · · · · · · · · · · · · · · · · · ·			−0.06 −0.60 −0.17	[-0.43 [-0.65 [-1.19; [-0.51;	0.53] -0.01] 0.17]	4.9% 4.9% 14.8%	6.2% 6.2%
Substance = Paroxetine Saletu(1991) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Sharpley(1996) 20 1 Sharpley(1996) 30 6 Sharpley(1996) 30 16 Wilson(2015) 20 3 Common effect model Random effects model Heterogeneity: $l^2 = 99\%$, τ^2	0.90 1.14 1.43 4.40 7.80 6.88 2.80	0.2357 0.2357 0.2357 0.3086 0.3086 0.3086 0.2294		# # # CT	- - -	+	1.14 1.43 4.40 7.80 6.88 2.80 3.02	[0.44 [0.68 [0.97 [3.79 [7.20 [6.27 [2.35 [2.83 ; [1.53 ;	1.61] 1.89] 5.00] 8.41] 7.48] 3.25]	8.1% 8.1% 4.7% 4.7% 4.7% 8.5% 46.8%	6.3%
Substance = Vortioxetin Wilson(2015) 20 3 Wilson(2015) 40 3 Common effect model Random effects model Heterogeneity: $l^2 = 96\%$, τ^2	1.67 3.36	0.2294 0.2294 75, <i>p</i> < 0.01		→	*		3.36 2.52	[1.22 [2.91; [2.20 ; [0.86 ;	3.81] 2.83]	8.5% 17.0%	6.3% 6.3% 12.6%
Common effect model Random effects model					•			[1.72; [0.70;	_		 100.0%
Heterogeneity: $I^2 = 99\%$, τ^2 Test for subgroup difference Test for subgroup difference	es (com	mon effect): χ	$\frac{^2}{^4} = 430.49, c$								

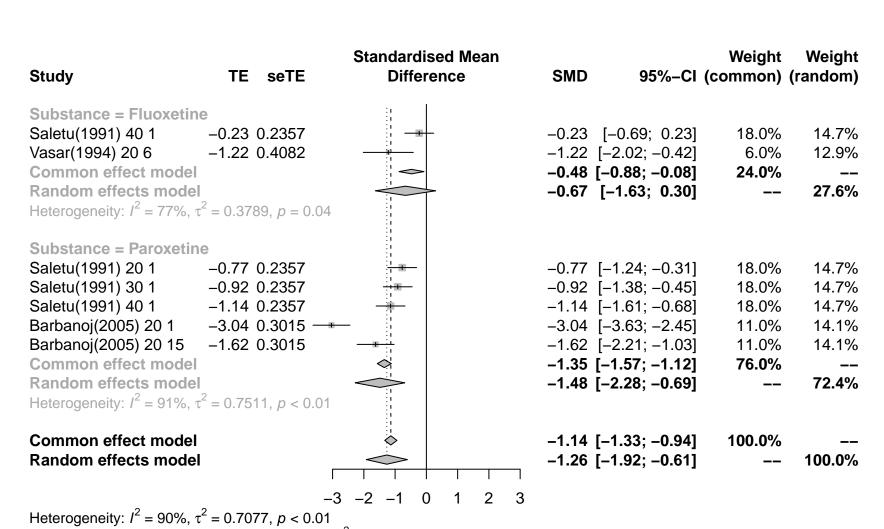
Study	TE	seTE	Standardi Differ		SMD	95%-CI	Weight (common)	_
Substance = Dothiepin Wilson(2002) 150 26		0.2887	_	*	0.21	[-0.36; 0.77]	6.4%	6.7%
Substance = Fluoxetine Saletu(1991) 40 1 Vasar(1994) 20 6 Wilson(2002) 20 26 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	-0.17 -0.43 -0.34	0.2357 0.4082 0.2887	* + 0 0	- - -	-0.43 -0.34 -0.27	[-0.63; 0.29] [-1.23; 0.37] [-0.91; 0.22] [-0.60; 0.06] [-0.60; 0.06]	3.2% 6.4% 19.1%	6.4% 6.7%
Substance = Nefazodor Sharpley(1996) 200 1 Sharpley(1996) 400 6 Sharpley(1996) 400 16 Common effect model Random effects model Heterogeneity: $I^2 = 85\%$, τ^2	-2.33 -3.03 -1.46	0.3015	+ • • • • • • • •		-3.03 -1.46 -2.27	[-2.92; -1.74] [-3.62; -2.44] [-2.05; -0.87] [-2.61; -1.93] [-3.16; -1.39]	5.8% 5.8% 17.5%	6.7% 6.7%
Substance = Paroxetine Saletu(1991) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Sharpley(1996) 20 1 Sharpley(1996) 30 6 Sharpley(1996) 30 16 Barbanoj(2005) 20 1 Barbanoj(2005) 20 15 Common effect model Random effects model Heterogeneity: I ² = 97%, τ	-0.39 -0.47 -0.65 -3.49 -4.11 -3.14 -1.61 -0.26	0.2357 0.2357 0.2357 0.3086 0.3086 0.3086 0.3015 0.3015	→	_	-0.47 -0.65 -3.49 -4.11 -3.14 -1.61 -0.26 -1.49	[-0.85; 0.07] [-0.93; -0.01] [-1.11; -0.19] [-4.09; -2.88] [-4.71; -3.50] [-3.74; -2.53] [-2.20; -1.02] [-0.85; 0.33] [-1.68; -1.30] [-2.85; -0.66]	9.5% 9.5% 5.6%	6.8% 6.8% 6.6%
Common effect model Random effects model Heterogeneity: $I^2 = 96\%$, τ^2	² = 1.918	31. p < 0.	-4 -2 (0) 2 4		[–1.43; –1.15] [–2.16; –0.72]	100.0% 	 100.0%

Heterogeneity: $I^2 = 96\%$, $\tau^2 = 1.9181$, p < 0.01Test for subgroup differences (common effect): $\chi_3^2 = 100.54$, df = 3 (p < 0.01) Test for subgroup differences (random effects): $\chi_3^2 = 28.06$, df = 3 (p < 0.01)

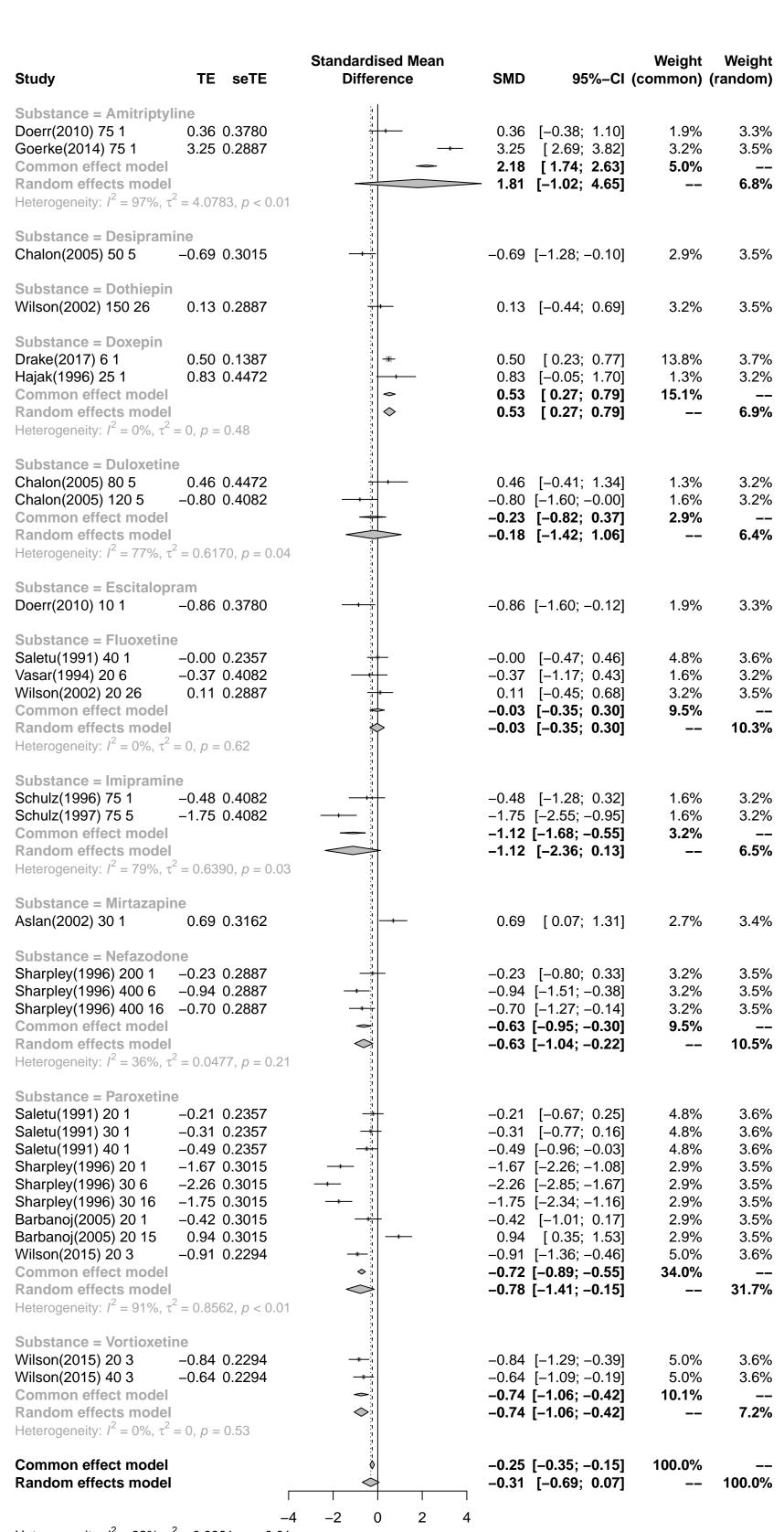




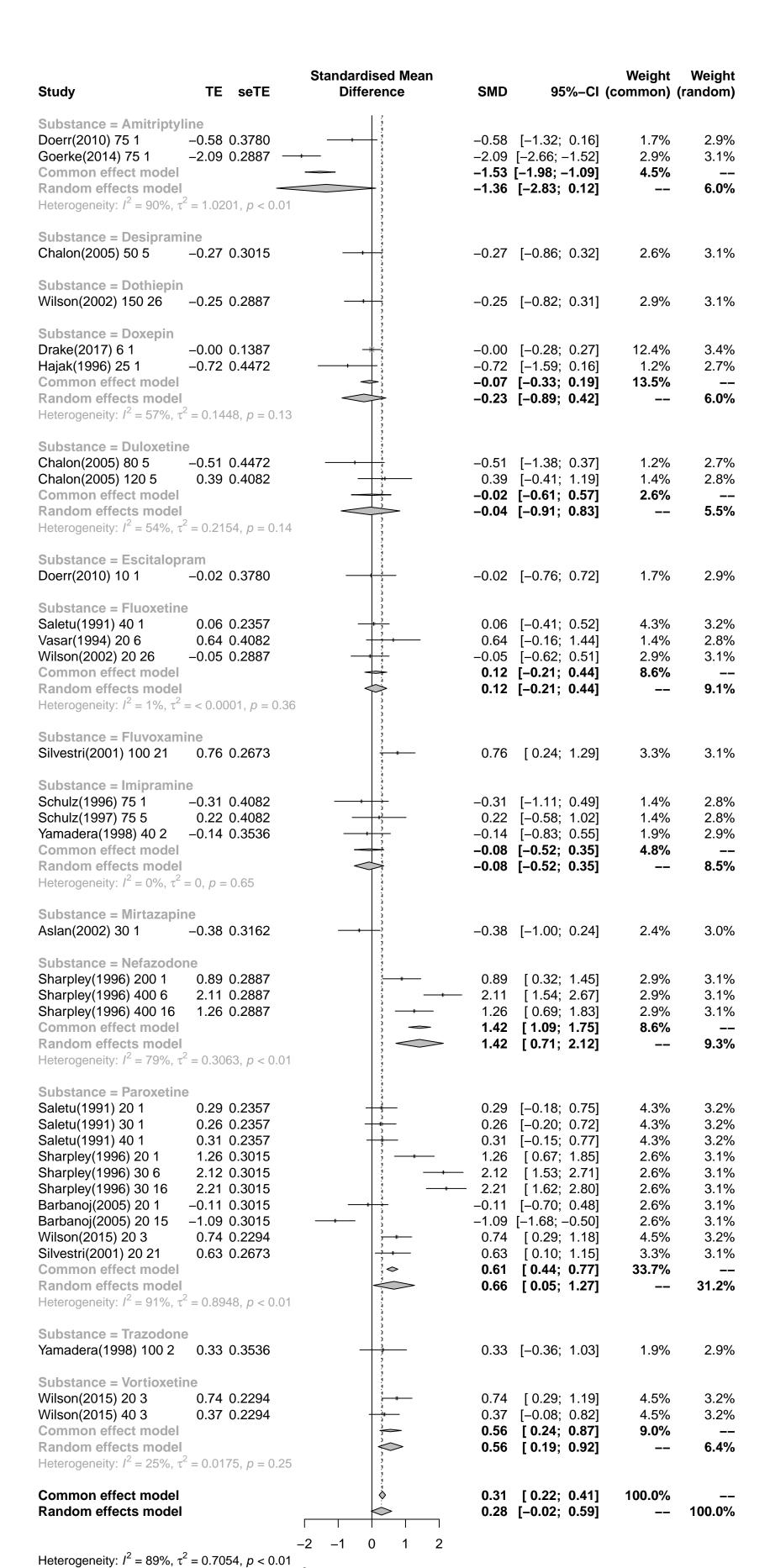
Heterogeneity: $I^2 = 56\%$, $\tau^2 = 0.0989$, p = 0.03Test for subgroup differences (common effect): $\chi_1^2 = 0.08$, df = 1 (p = 0.77) Test for subgroup differences (random effects): $\chi_1^2 = 0.22$, df = 1 (p = 0.64)



Test for subgroup differences (common effect): $\chi_1^2 = 13.79$, df = 1 (p < 0.01) Test for subgroup differences (random effects): $\chi_1^2 = 1.64$, df = 1 (p = 0.20)

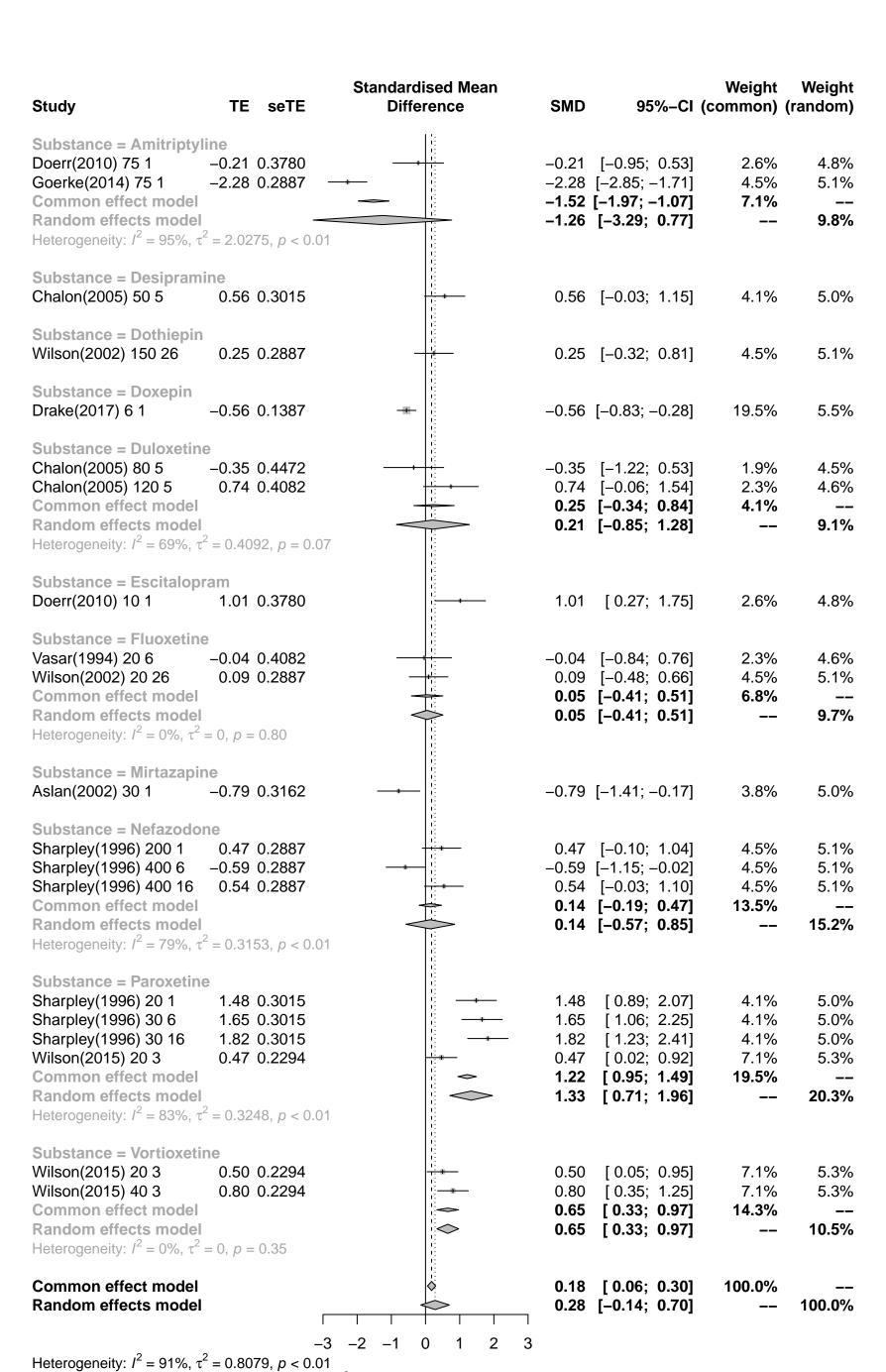


Heterogeneity: $I^2 = 92\%$, $\tau^2 = 0.9961$, p < 0.01Test for subgroup differences (common effect): $\chi^2_{11} = 215.70$, df = 11 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{11} = 67.69$, df = 11 (p < 0.01)

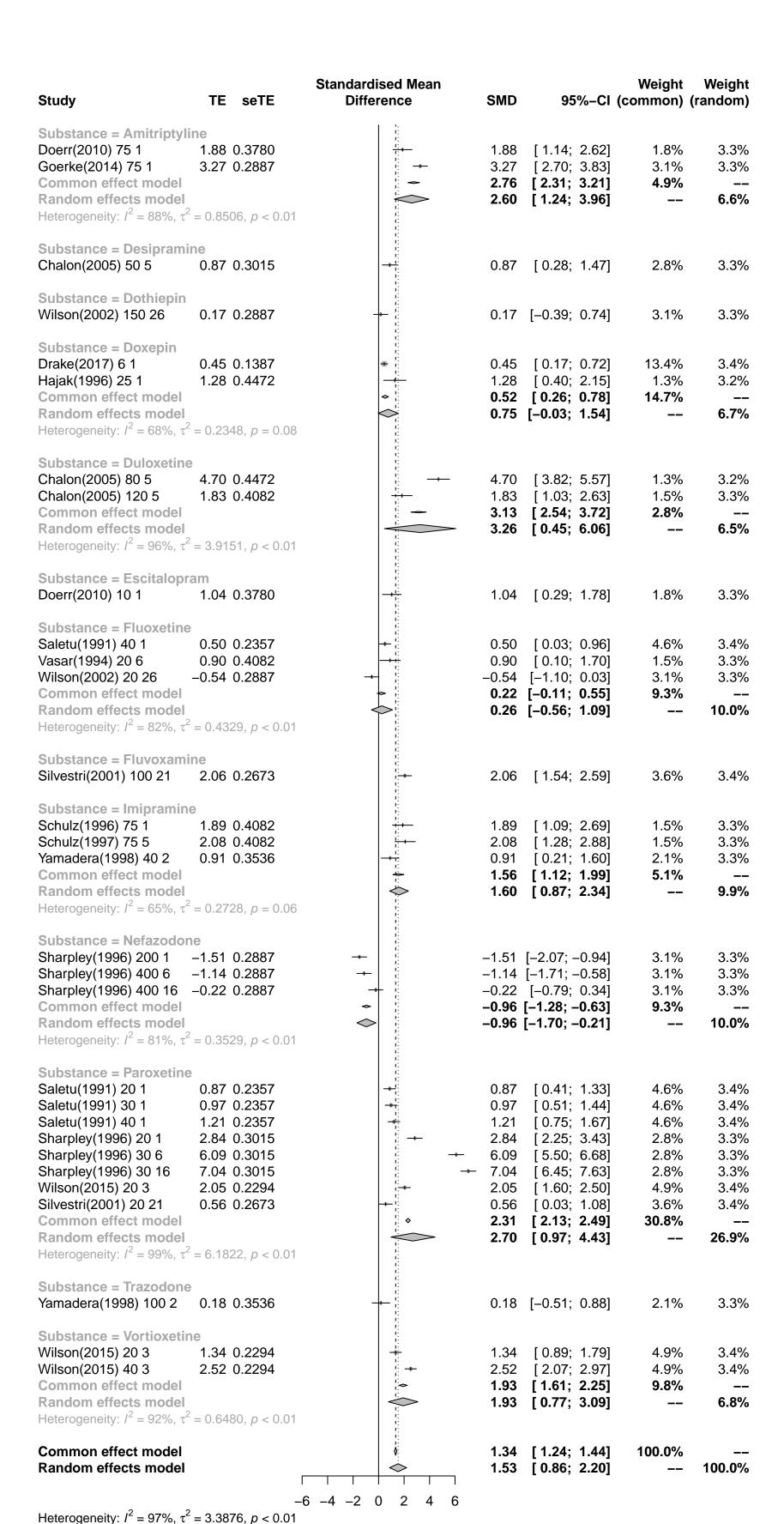


Test for subgroup differences (common effect): χ^2_{13} = 153.50, df = 13 (ρ < 0.01) Test for subgroup differences (random effects): χ^2_{13} = 38.49, df = 13 (ρ < 0.01)

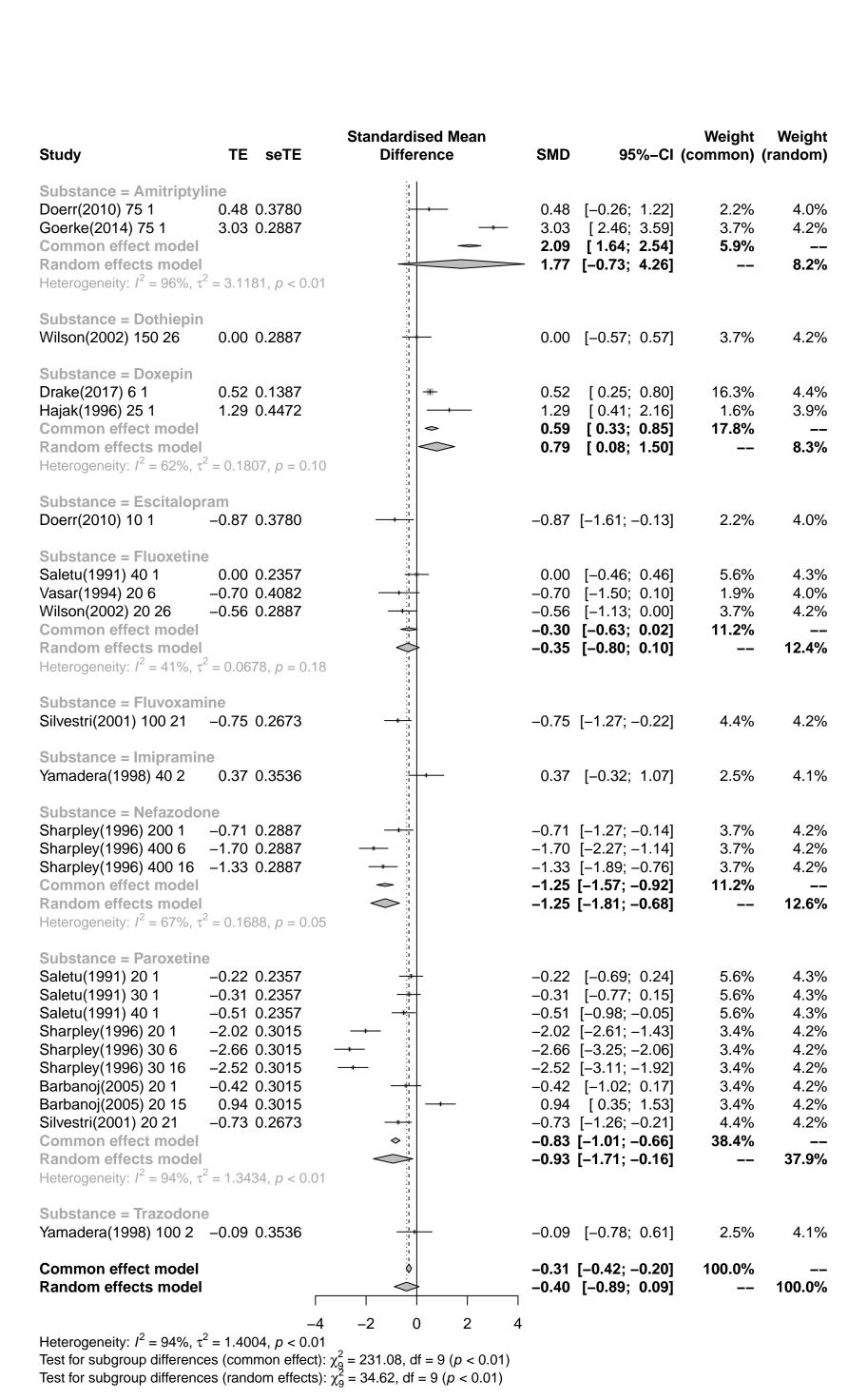
Study	TE	seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	Weight (random)
Substance = Amitriptyl Doerr(2010) 75 1 Goerke(2014) 75 1 Common effect model Random effects model Heterogeneity: $I^2 = 92\%$, τ	-0.11 -1.83	0.3780 0.2887 —	# C C C C C C C C C C C C C C C C C C C	-1.83 [-1.20 [[-0.85; 0.63] [-2.40; -1.27] [-1.65; -0.75] [-2.68; 0.70]	4.0% 6.9% 11.0%	6.7% 7.5% 14.3%
Substance = Desipram Chalon(2005) 50 5	ine	0.3015		0.09	[-0.50; 0.68]	6.4%	7.4%
Substance = Dothiepin Wilson(2002) 150 26		0.2887	6 6 7 7	0.45	[–0.11; 1.02]	6.9%	7.5%
Substance = Doxepin Drake(2017) 6 1 Hajak(1996) 25 1 Common effect model Random effects model Heterogeneity: $I^2 = 41\%$, τ^2	-0.85	0.1387 0.4472 74, $p = 0.19$		−0.85 −0.30 [[-0.51; 0.03] [-1.73; 0.02] - 0.56; -0.04] [- 0.93 ; 0.12]	30.1% 2.9% 32.9% 	8.6% 6.1% 14.8%
Substance = Duloxetine Chalon(2005) 80 5 Chalon(2005) 120 5 Common effect model Random effects model Heterogeneity: $I^2 = 62\%$, τ	-0.15 0.83	0.4472 0.4082 06, $p = 0.10$		0.83 0.39	[-1.03; 0.73] [0.03; 1.63] [-0.20; 0.98] [-0.60; 1.32]	2.9% 3.5% 6.4% 	6.1% 6.5% 12.6%
Substance = Escitalope Doerr(2010) 10 1		0.3780	6 6 6	0.56	[-0.18; 1.30]	4.0%	6.7%
Substance = Fluoxetine Vasar(1994) 20 6 Wilson(2002) 20 26 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	-0.02 0.11	0.4082 0.2887		0.11 0.07	[-0.82; 0.78] [-0.45; 0.68] [-0.39; 0.53] [-0.39; 0.53]	3.5% 6.9% 10.4% 	6.5% 7.5% 14.0%
Substance = Fluvoxam Silvestri(2001) 100 21		0.2673	0 0 0 0 0 0	0.27	[-0.26; 0.79]	8.1%	7.7%
Substance = Mirtazapir Aslan(2002) 30 1		0.3162		-0.73 [_1.35; _0.11]	5.8%	7.3%
Substance = Paroxetine Silvestri(2001) 20 21		0.2673	c c c	0.81	[0.28; 1.33]	8.1%	7.7%
Common effect model Random effects model			-2 -1 0 1 2		[-0.24; 0.06] [-0.44; 0.32]	100.0% 	 100.0%
	es (com	48, <i>p</i> < 0.01 mon effect):	-2 -1 0 1 2 $\chi_9^2 = 52.59$, df = 9 ($p < 0.01$) $\chi_9^2 = 22.42$, df = 9 ($p < 0.01$)				

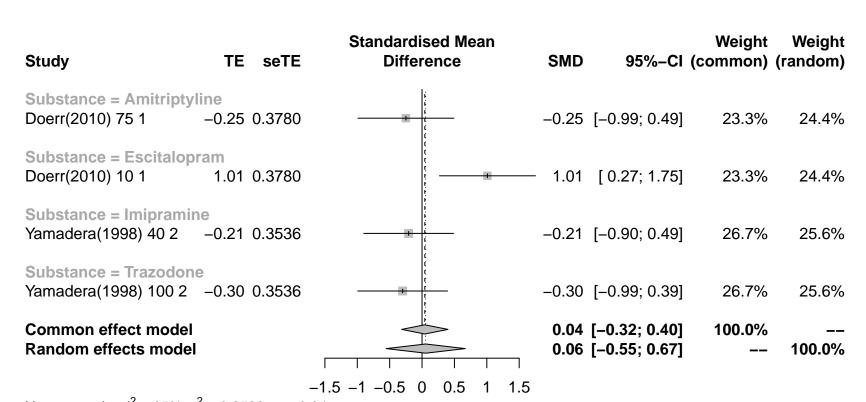


Test for subgroup differences (common effect): $\chi^2_{10} = 163.90$, df = 10 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{10} = 67.07$, df = 10 (p < 0.01)



Test for subgroup differences (common effect): $\chi^2_{12} = 511.86$, df = 12 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{12} = 75.01$, df = 12 (p < 0.01)

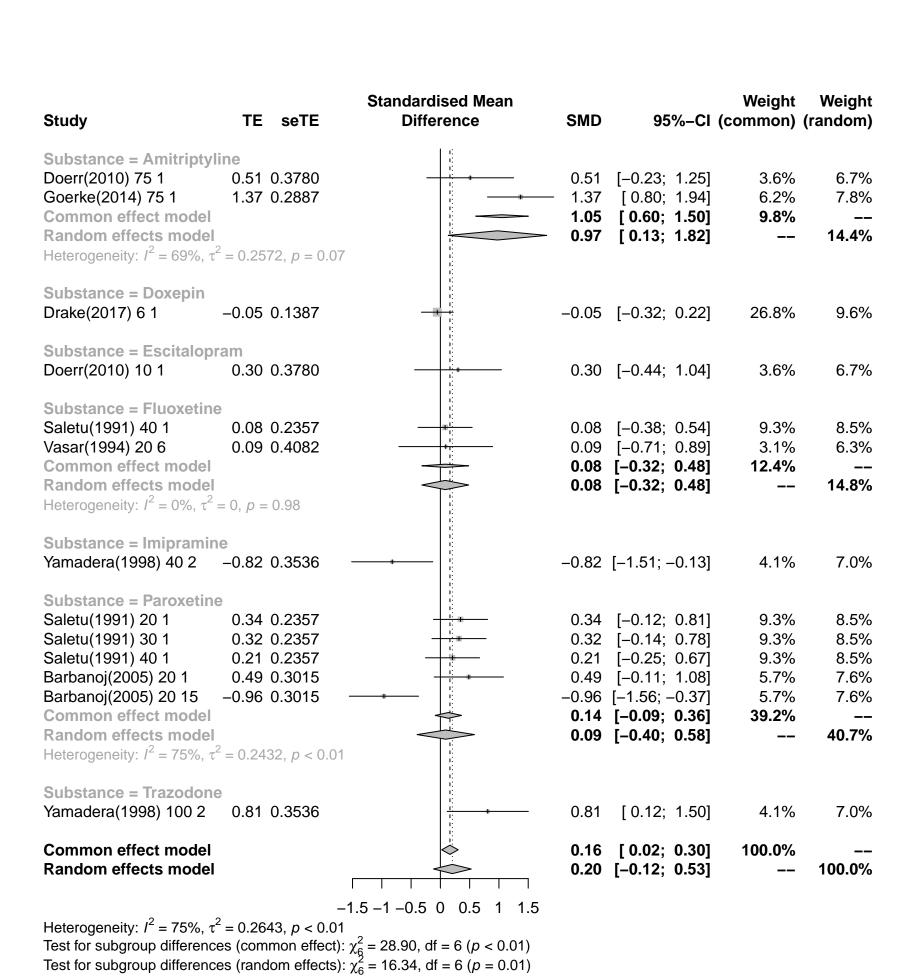




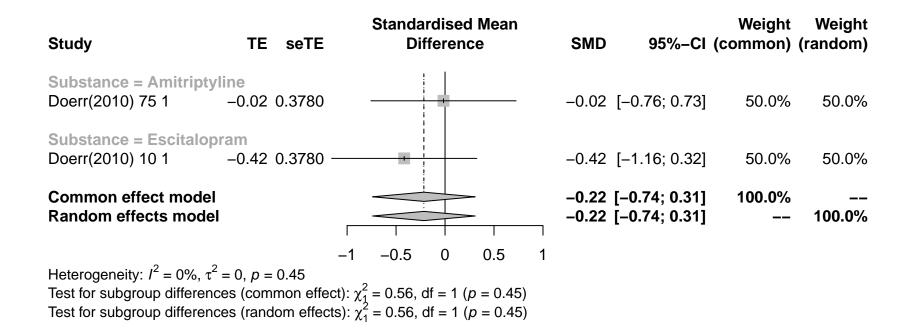
Heterogeneity: $I^2 = 65\%$, $\tau^2 = 0.2536$, p = 0.04Test for subgroup differences (common effect): $\chi_3^2 = 8.58$, df = 3 (p = 0.04) Test for subgroup differences (random effects): $\chi_3^2 = 8.58$, df = 3 (p = 0.04)

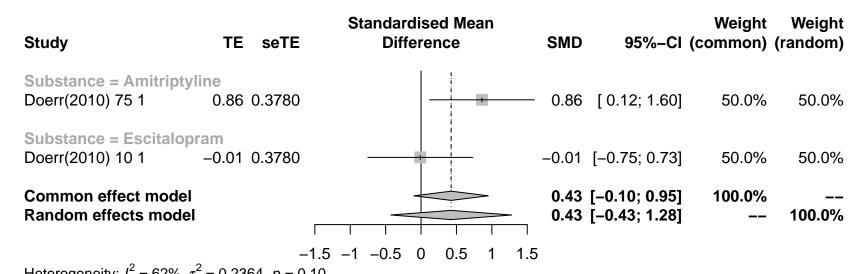
Study	TE	seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	_
Substance = Amitriptyli Doerr(2010) 75 1 Goerke(2014) 75 1 Common effect model Random effects model Heterogeneity: $I^2 = 97\%$, τ^2	1.38 4.10	0.3780 0.2887 18, <i>p</i> < 0.01		4.10 3.10	[0.64; 2.12] [3.53; 4.67] [2.65; 3.55] [0.09; 5.42]	6.7% 10.7%	9.1%
Substance = Doxepin Drake(2017) 6 1	0.33	0.1387	-	0.33	[0.06; 0.60]	29.2%	9.5%
Substance = Escitalopra Doerr(2010) 10 1		0.3780		-0.25	[-0.99; 0.49]	3.9%	8.8%
Substance = Fluoxetine Saletu(1991) 40 1 Vasar(1994) 20 6 Common effect model Random effects model Heterogeneity: $I^2 = 74\%$, τ^2	0.12 1.03	0.2357 0.4082 02, $p = 0.05$		1.03 0.35	[-0.35; 0.58] [0.23; 1.83] [-0.05; 0.75] [-0.38; 1.41]	3.4%	8.6%
Substance = Paroxetine Saletu(1991) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Barbanoj(2005) 20 1 Barbanoj(2005) 20 15 Common effect model Random effects model Heterogeneity: $I^2 = 84\%$, τ^2	0.13 0.19 0.28 0.70 1.85	0.2357 0.2357 0.2357 0.3015 0.3015	→	0.19 0.28 0.70 1.85 0.51	[-0.33; 0.59] [-0.27; 0.65] [-0.18; 0.74] [0.11; 1.29] [1.26; 2.45] [0.29; 0.74] [-0.00; 1.23]	10.1%	9.3% 9.3%
Common effect model Random effects model		_	-4 -2 0 2 4		[0.53; 0.83] [0.16; 1.62]	100.0% 	 100.0%

Heterogeneity: $I^2 = 95\%$, $\tau^2 = 1.4364$, p < 0.01Test for subgroup differences (common effect): $\chi_4^2 = 128.46$, df = 4 (p < 0.01) Test for subgroup differences (random effects): $\chi_4^2 = 6.51$, df = 4 (p = 0.16)

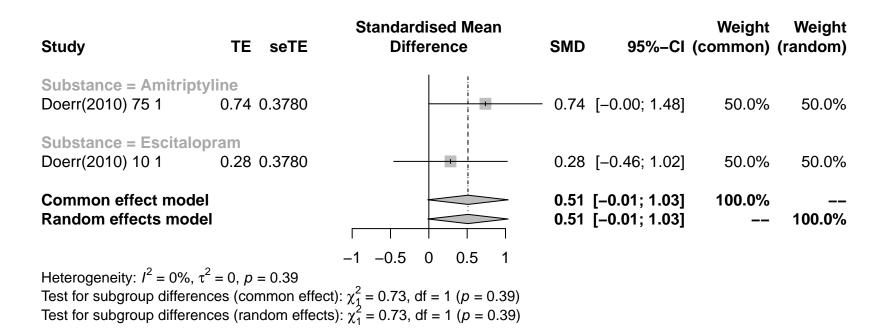


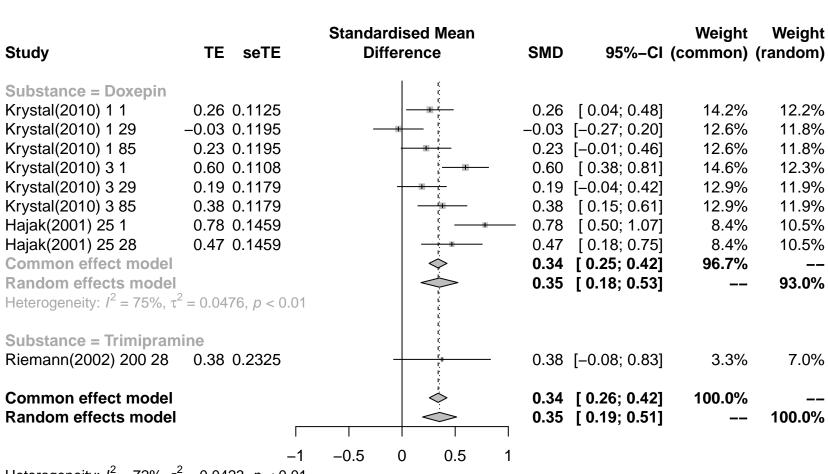
			Standardised Mean			Weight	Weight
Study	TE	seTE	Difference	SMD	95%-CI	(common)	_
Substance = Amitripty	line		:: :::				
Doerr(2010) 75 1	-2.22		_		[-2.96; -1.48]		
Goerke(2014) 75 1		0.2887	:		[-8.69; -7.56]		7.7%
Common effect model Random effects mode			•		[-6.40; -5.50] [-10.97; 0.61]	9.8%	 15.3%
Heterogeneity: $I^2 = 99\%$,	_	239, p <	0.01	-3.10	[-10.97, 0.01]		13.3 /6
Substance = Doxepin							
Drake(2017) 6 1	-0.33	0.1387	<u> </u>	-0.33	[-0.60; -0.06]	26.8%	7.8%
,					, ,		
Substance = Escitalop		0.3780	i	2.00	[202. 424]	3.6%	7.6%
Doerr(2010) 10 1	-2.00	0.3760		-2.00	[-2.82; -1.34]	3.0%	7.0%
Substance = Fluoxetin		0.0057)) () ()	0.04		0.00/	7.00/
Saletu(1991) 40 1			, **		[-0.80; 0.12]		7.8%
Vasar(1994) 20 6 Common effect model		0.4082			[-2.33; -0.73] [-1.04; -0.24]		7.6%
Random effects mode					[-2.05; 0.27]	12.4 /0	15.3%
Heterogeneity: $I^2 = 84\%$,	_	35, $p = 0$.01	0.00	[,]		101070
Substance = Imiprami	ne		: : : : :				
Yamadera(1998) 40 2		0.3536	<u>:</u>	-1.25	[-1.94; -0.56]	4.1%	7.6%
Substance = Paroxetin							
Saletu(1991) 20 1		0.2357	.i ! = -	-0.79	[-1.26; -0.33]	9.3%	7.8%
Saletu(1991) 30 1		0.2357			[-1.35; -0.43]	9.3%	7.8%
Saletu(1991) 40 1	-1.08	0.2357	+	-1.08	[-1.55; -0.62]	9.3%	7.8%
,		0.3015	+		[-3.15; -1.96]	5.7%	7.7%
Barbanoj(2005) 20 15		0.3015	!		[-1.71; -0.53]	5.7%	7.7%
Common effect model			*		[-1.41; -0.96]	39.2%	 20 70/
Random effects model Heterogeneity: $I^2 = 84\%$,		26, <i>p</i> < 0	.01	-1.27	[-1.89; -0.66]		38.7%
Out of one of Transition			;i ;i ;i				
Substance = Trazodon Yamadera(1998) 100 2		0.3536	-	0.32	[-0.37; 1.02]	4.1%	7.6%
, ,					-		
Common effect model			· · · · · · · · · · · · · · · · · · ·		[-1.47; -1.19]	100.0%	 100 0%
Random effects mode	I			-1.69	[-2.83; -0.55]		100.0%
			-10 -5 0 5	10			
Heterogeneity: $I^2 = 98\%$,		15, <i>p</i> < 0	.01				
			ct): $\chi_6^2 = 497.32$, df = 6 ($p < 0.0$				
lest for subgroup difference	ces (rand	om effec	ts): $\chi_6^2 = 36.60$, df = 6 ($p < 0.01$)			



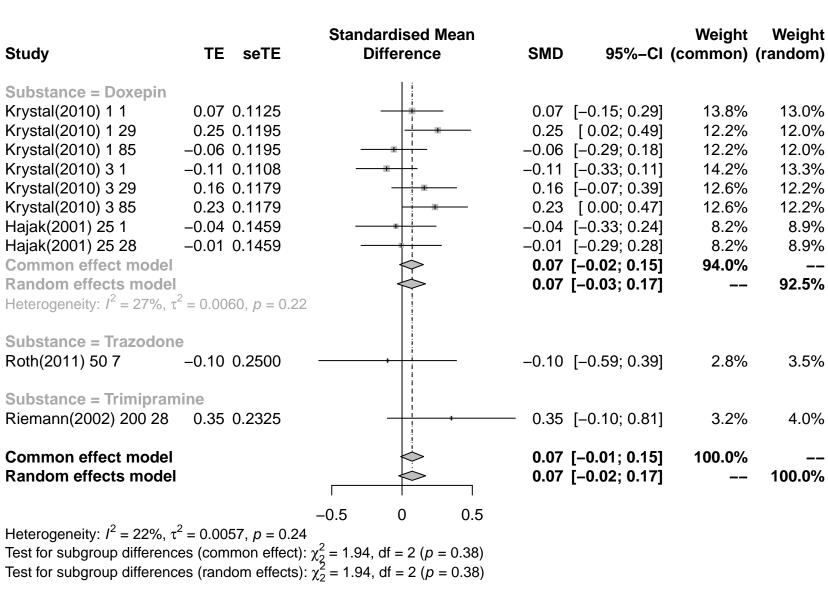


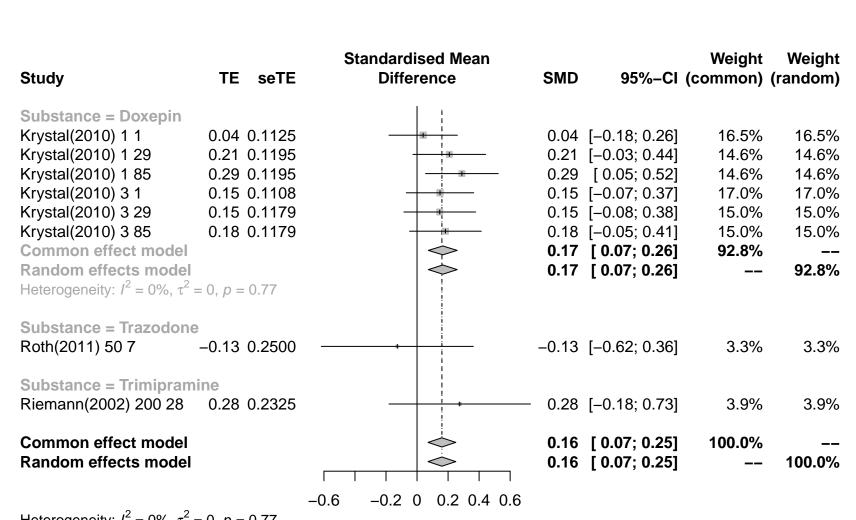
Heterogeneity: I^2 = 62%, τ^2 = 0.2364, p = 0.10 Test for subgroup differences (common effect): χ_1^2 = 2.66, df = 1 (p = 0.10) Test for subgroup differences (random effects): χ_1^2 = 2.66, df = 1 (p = 0.10)



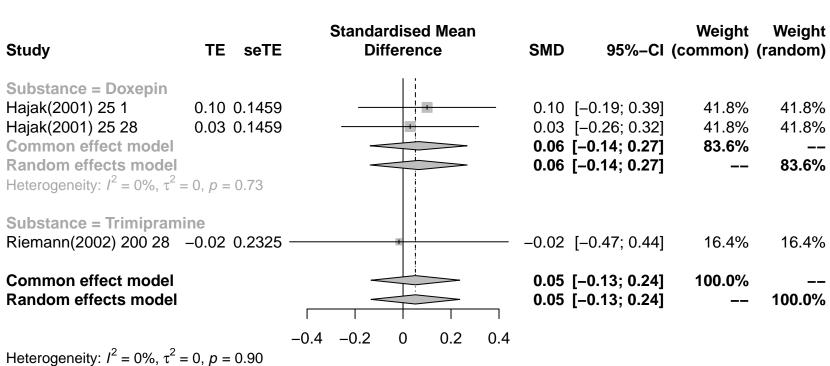


Heterogeneity: $I^2 = 72\%$, $\tau^2 = 0.0423$, p < 0.01Test for subgroup differences (common effect): $\chi_1^2 = 0.03$, df = 1 (p = 0.87) Test for subgroup differences (random effects): $\chi_1^2 = 0.01$, df = 1 (p = 0.92)

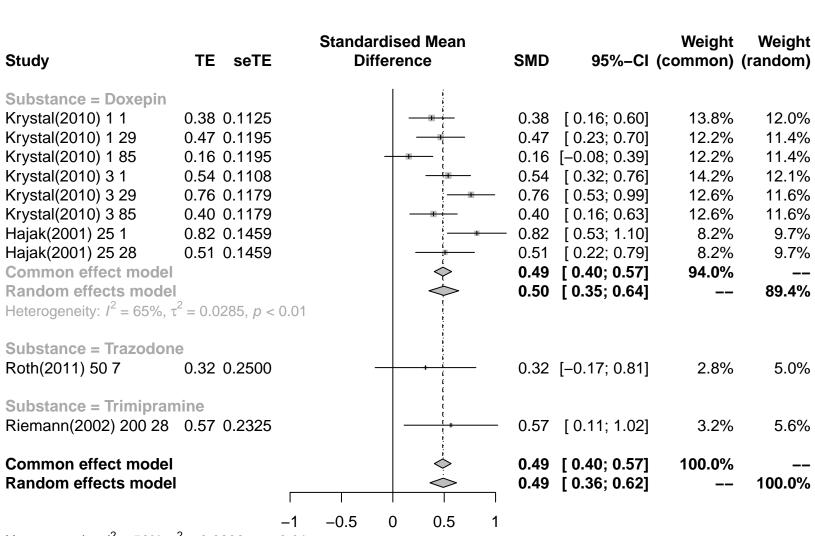




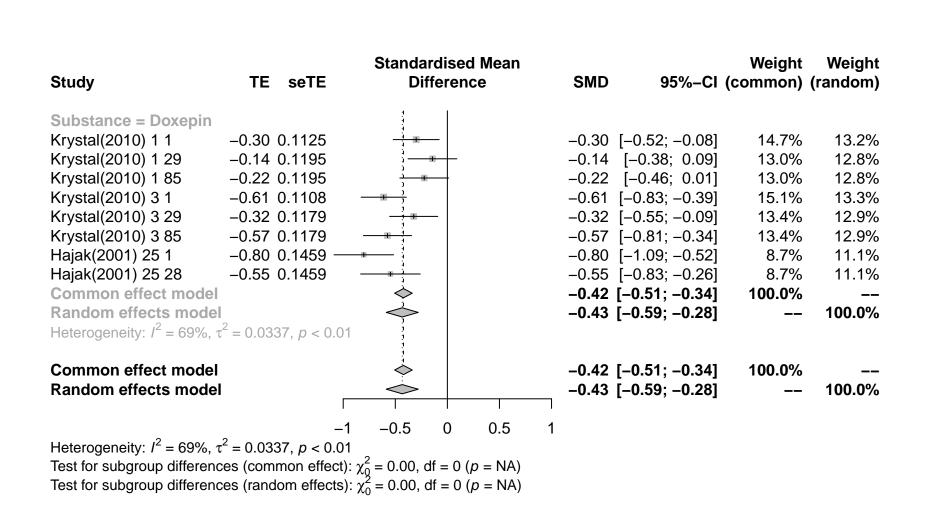
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, p = 0.77Test for subgroup differences (common effect): $\chi_2^2 = 1.58$, df = 2 (p = 0.45) Test for subgroup differences (random effects): $\chi_2^2 = 1.58$, df = 2 (p = 0.45)

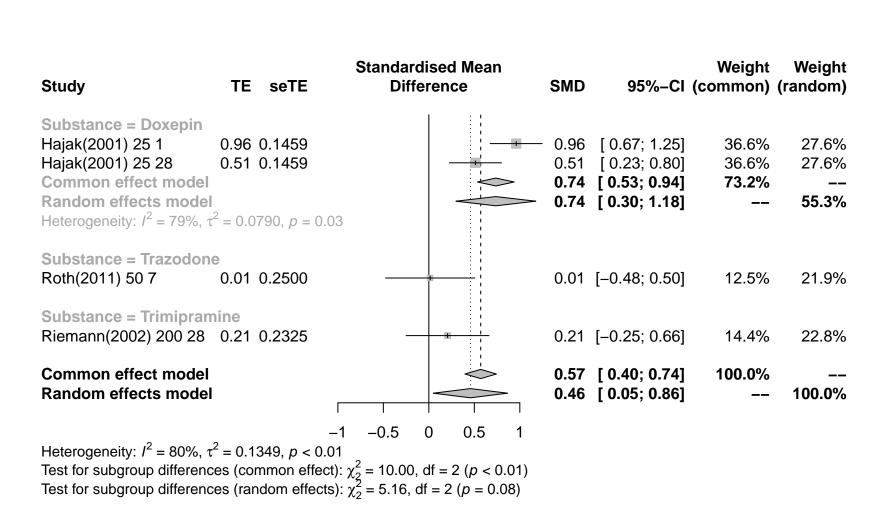


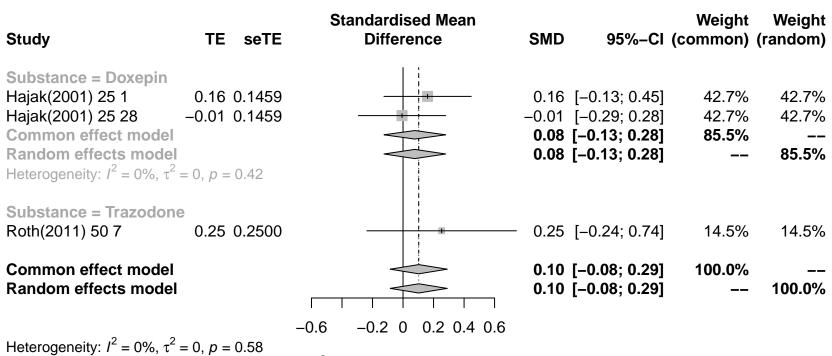
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, p = 0.90Test for subgroup differences (common effect): $\chi_1^2 = 0.10$, df = 1 (p = 0.75) Test for subgroup differences (random effects): $\chi_1^2 = 0.10$, df = 1 (p = 0.75)



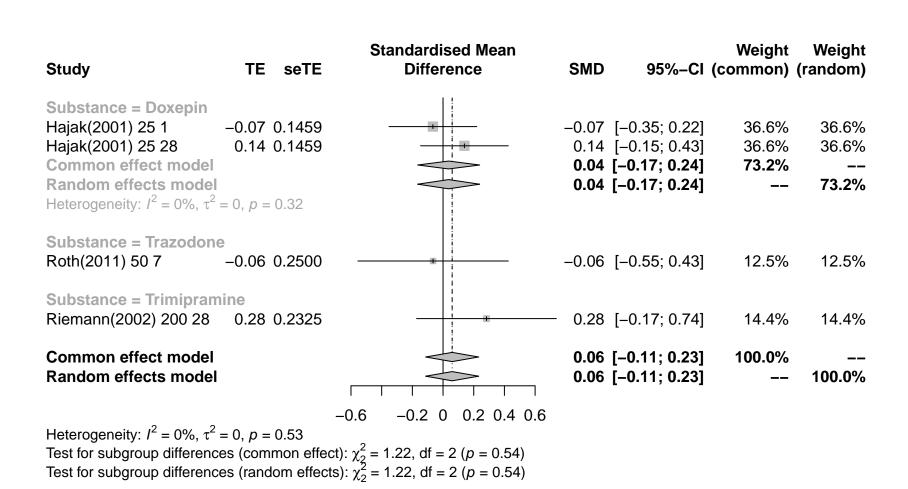
Heterogeneity: I^2 = 56%, τ^2 = 0.0238, p = 0.01 Test for subgroup differences (common effect): χ^2_2 = 0.57, df = 2 (p = 0.75) Test for subgroup differences (random effects): χ^2_2 = 0.59, df = 2 (p = 0.75)

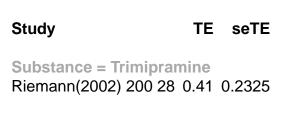


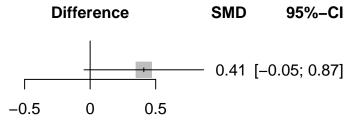




Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, p = 0.58Test for subgroup differences (common effect): $\chi_1^2 = 0.42$, df = 1 (p = 0.52) Test for subgroup differences (random effects): $\chi_1^2 = 0.42$, df = 1 (p = 0.52)



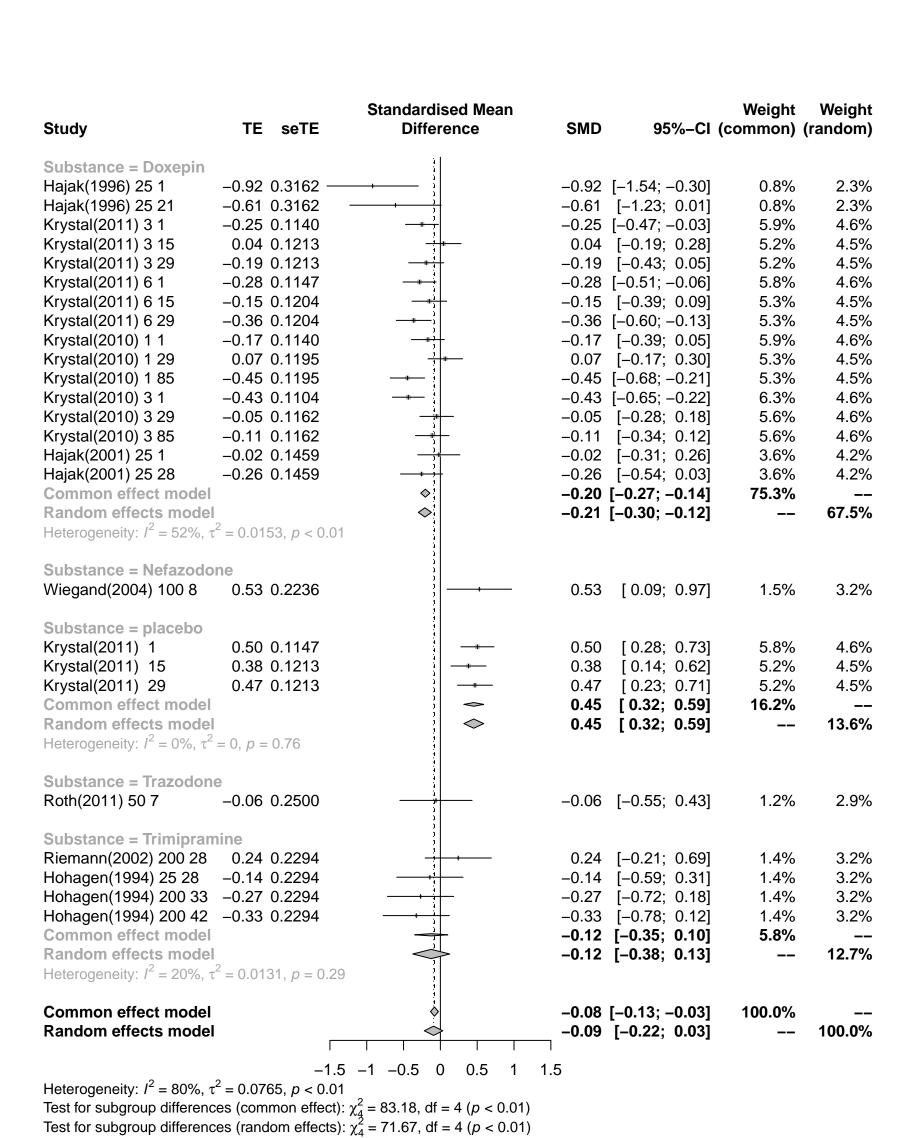


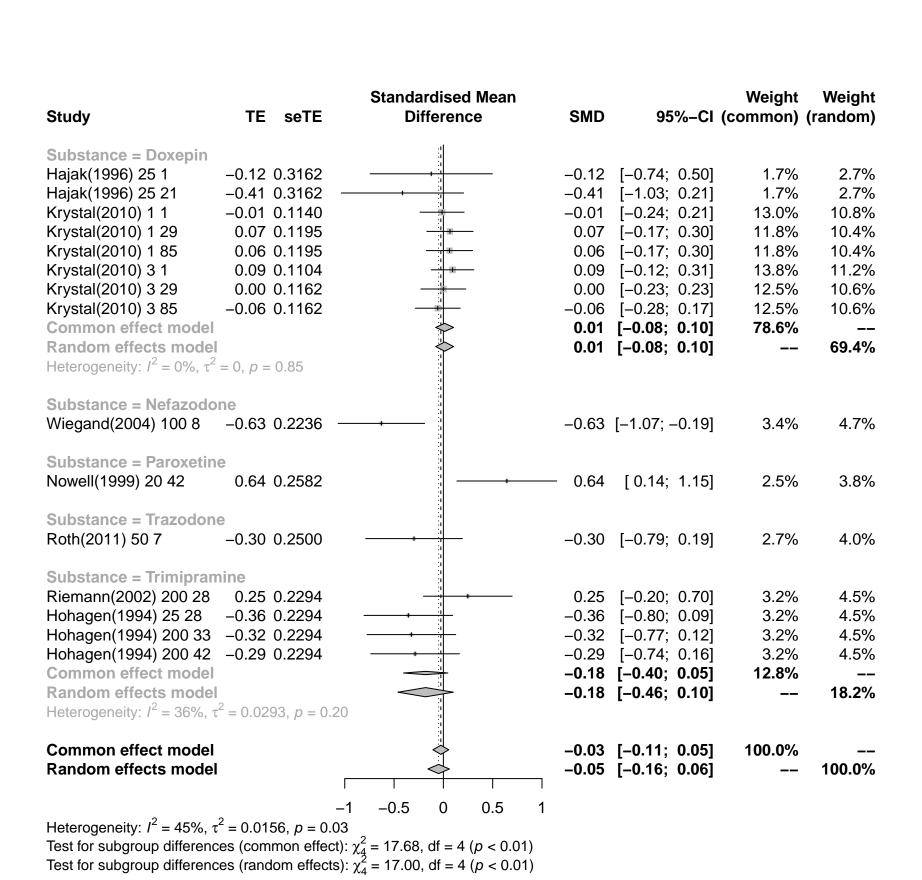


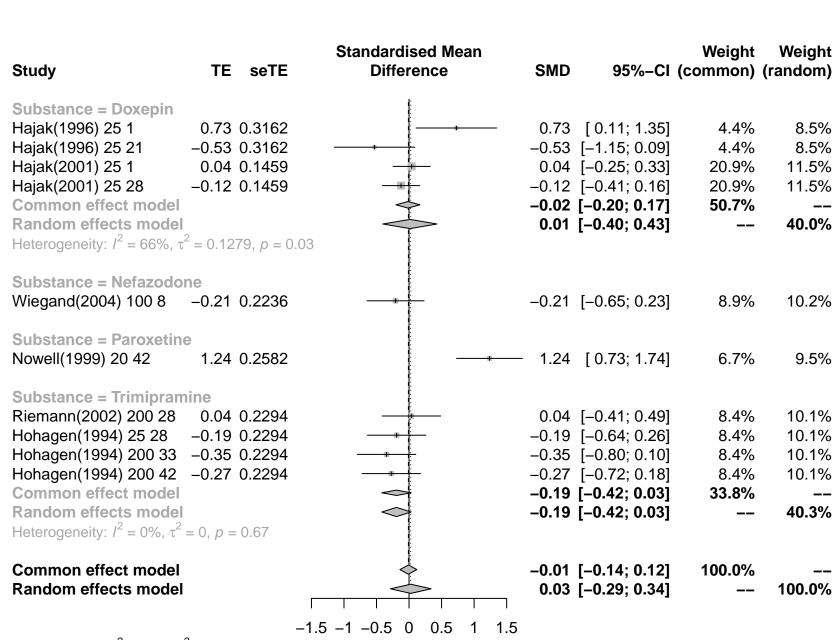
Standardised Mean

			Standardised Mean			Weight	Weight
Study	TE	seTE	Difference	SMD	95%-CI	(common)	_
Substance = Doxepin			l <u>i</u>				
Hajak(1996) 25 1	1.49	0.3162		— 1.49	[0.87; 2.11]	0.8%	2.4%
Hajak(1996) 25 21	0.73	0.3162		0.73	[0.11; 1.35]	0.8%	2.4%
Krystal(2011) 3 1	0.56	0.1140	<u> </u>	0.56	[0.34; 0.79]	5.8%	4.4%
Krystal(2011) 3 15	0.32	0.1213	-#- 	0.32	[0.08; 0.56]	5.1%	4.3%
Krystal(2011) 3 29	0.39	0.1213	*(0.39	[0.15; 0.63]	5.1%	4.3%
Krystal(2011) 6 1	0.71	0.1147	(+ -	0.71	[0.48; 0.93]	5.7%	4.4%
Krystal(2011) 6 15	0.47	0.1204		0.47	[0.23; 0.70]	5.2%	4.3%
Krystal(2011) 6 29		0.1204	<u> </u>	0.63	[0.40; 0.87]	5.2%	4.3%
Krystal(2010) 1 1		0.1140		0.55	[0.33; 0.78]	5.8%	4.4%
Krystal(2010) 1 29		0.1195	- * (0.32	[0.09; 0.56]	5.3%	4.3%
Krystal(2010) 1 85		0.1195	(+ (0.62	[0.38; 0.85]	5.3%	4.3%
Krystal(2010) 3 1		0.1104	·	1.01	[0.80; 1.23]	6.2%	4.4%
Krystal(2010) 3 29		0.1162	- 	0.58	[0.36; 0.81]	5.6%	4.4%
Krystal(2010) 3 85		0.1162	· ·	0.87	[0.64; 1.10]	5.6%	4.4%
Hajak(2001) 25 1		0.1459	 	0.63	[0.35; 0.92]	3.6%	4.1%
Hajak(2001) 25 28	0.62	0.1459	- (+ -	0.62	[0.34; 0.91]	3.6%	4.1%
Common effect model			\$.	0.61	[0.55; 0.67]	74.7%	 CE 00/
Random effects model	0.00	04 - 0 04	♦	0.62	[0.51; 0.73]		65.2%
Heterogeneity: $I^2 = 66\%$, τ^2	= 0.02	91, <i>p</i> < 0.01					
Substance = Nefazodon	е						
Wiegand(2004) 100 8	-0.11	0.2236		-0.11	[-0.55; 0.33]	1.5%	3.3%
,			i				
Substance = Paroxetine			(
Nowell(1999) 20 42	0.18	0.2582	+ (0.18	[-0.33; 0.69]	1.1%	2.9%
			t t				
Substance = placebo							
,		0.1147	-+ - }		[-0.31; 0.14]	5.7%	4.4%
Krystal(2011) 15		0.1213	- i		[-0.12; 0.35]	5.1%	4.3%
Krystal(2011) 29	0.17	0.1213	 * 		[-0.07; 0.41]	5.1%	4.3%
Common effect model			\rightarrow \tag{\tau}		[-0.07; 0.20]	16.0%	
Random effects model			\(\rightarrow\)	0.06	[-0.09; 0.22]		13.0%
Heterogeneity: $I^2 = 25\%$, τ^2	= 0.00	50, p = 0.26	į				
Substance = Trazodone							
Paterson(2009) 100 56	1 57	0.2887		157	[1.00; 2.14]	0.9%	2.7%
1 a(c)3011(2003) 100 30	1.07	0.2007	i i	1.07	[1.00, 2.14]	0.570	2.7 /0
Substance = Trimiprami	ne		((r				
Riemann(2002) 200 28		0.2294	— }	0.50	[0.05; 0.95]	1.4%	3.2%
Hohagen(1994) 25 28		0.2294	1		[0.49; 1.39]	1.4%	3.2%
Hohagen(1994) 200 33		0.2294			[-0.36; 0.54]	1.4%	3.2%
Hohagen(1994) 200 42		0.2294	- i · i · · · · · · · · · · · · · · · ·		[-0.19; 0.71]	1.4%	3.2%
Common effect model					[0.22; 0.67]	5.7%	
Random effects model					[0.08; 0.81]		12.9%
Heterogeneity: $I^2 = 62\%$, τ^2	= 0.08	44, $p = 0.05$					
Common effect model				O E4	[0 45. 0 561	100 00/	
			🐫		[0.45; 0.56]	100.0%	100 00/
Random effects model			<u></u>	U.52	[0.39; 0.66]		100.0%
		-2	-1 0 1	2			
		-2	-1 U I	_			

Heterogeneity: $I^2 = 81\%$, $\tau^2 = 0.0973$, p < 0.01Test for subgroup differences (common effect): $\chi_5^2 = 75.44$, df = 5 (p < 0.01) Test for subgroup differences (random effects): $\chi_5^2 = 55.28$, df = 5 (p < 0.01)

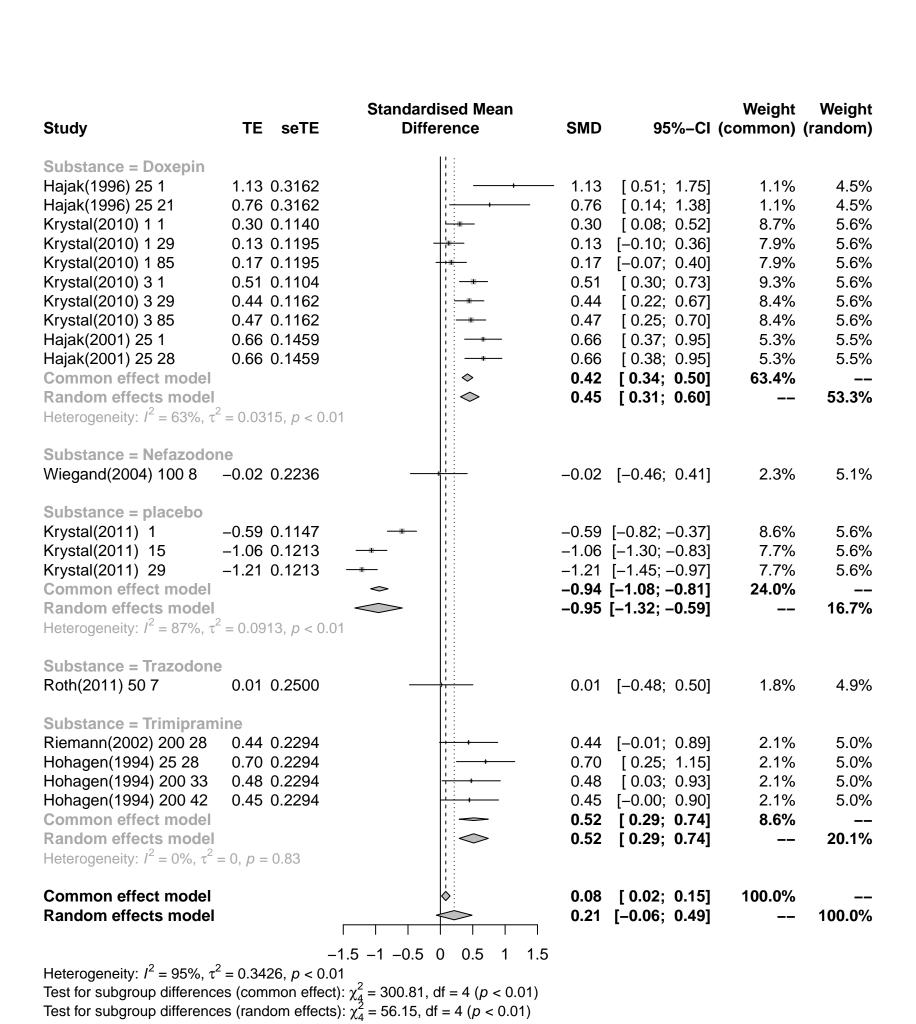




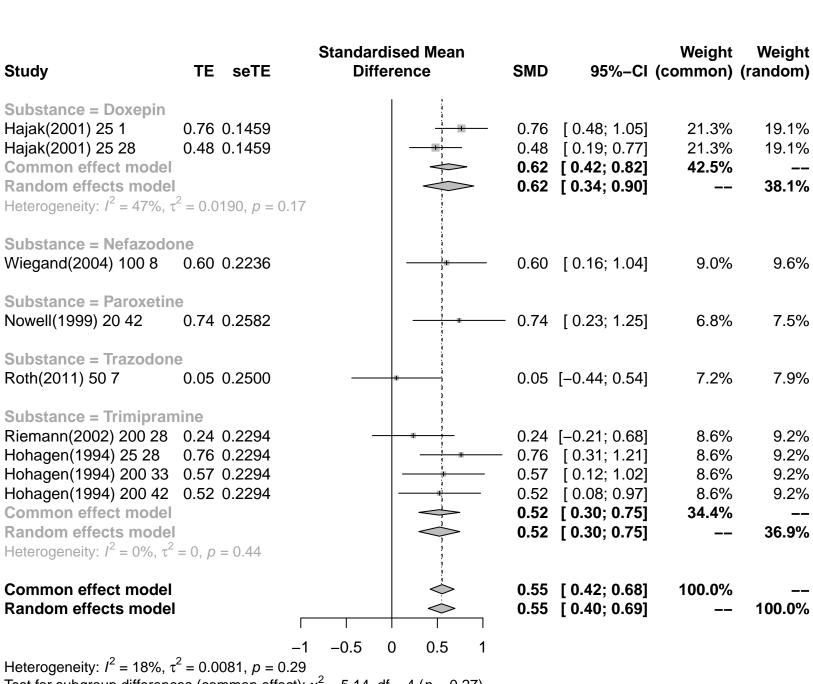


Heterogeneity: $I^2 = 76\%$, $\tau^2 = 0.1986$, p < 0.01

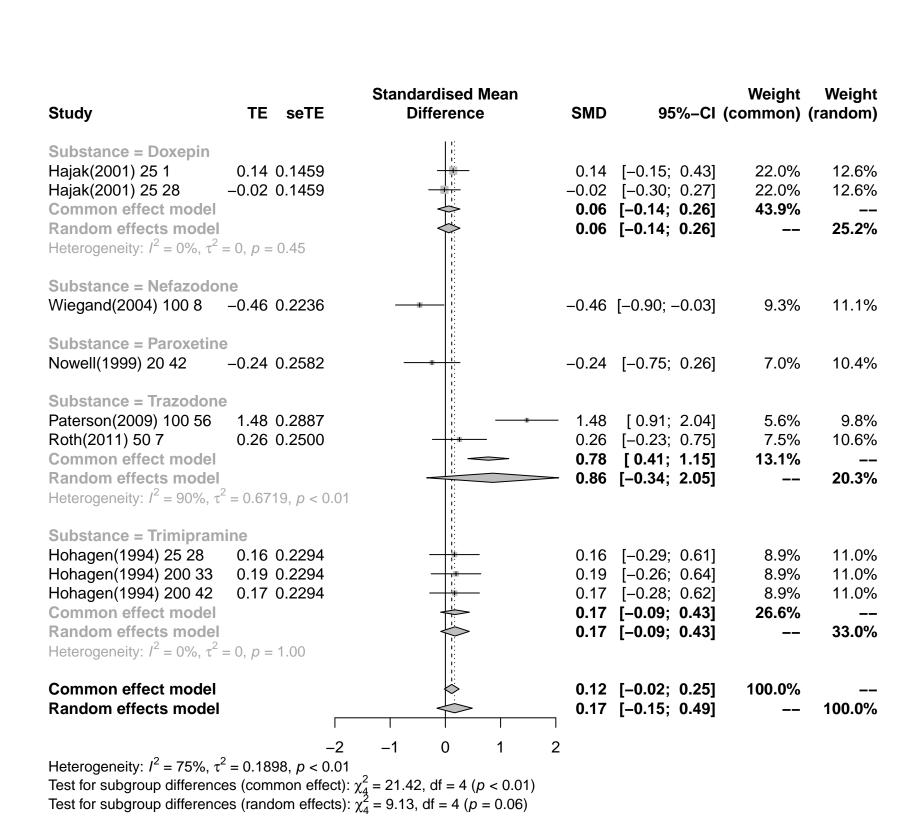
Test for subgroup differences (common effect): $\chi_3^2 = 26.65$, df = 3 (p < 0.01) Test for subgroup differences (random effects): $\chi_3^2 = 26.64$, df = 3 (p < 0.01)

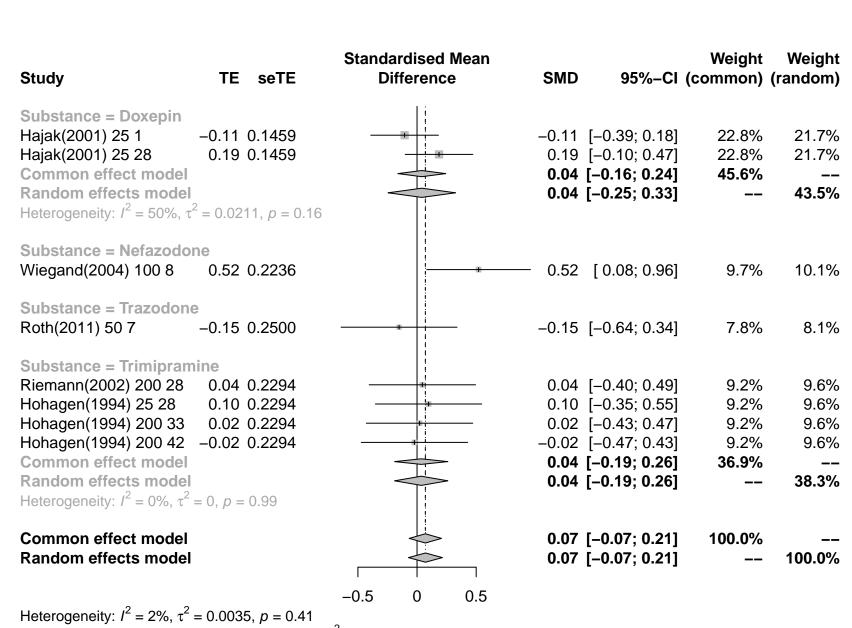


Study	TE	seTE		ised Mean rence	SMD	95%-CI	Weight (common)	•
Olday		3012	Dirici		OIIID	30 70 31	(common)	(random)
Substance = Doxepin			! !					
Krystal(2011) 3 1	-0.57	0.1140			-0.57	[-0.80; -0.35]	7.9%	7.4%
Krystal(2011) 3 15	-0.52	0.1213	- i -		-0.52	[-0.76; -0.28]	6.9%	7.0%
Krystal(2011) 3 29	-0.37	0.1213	-			[-0.61; -0.14]	6.9%	7.0%
Krystal(2011) 6 1	-0.68	0.1147			-0.68	[-0.90; -0.45]	7.8%	7.4%
Krystal(2011) 6 15	-0.53	0.1204	- i = -		-0.53	[-0.76; -0.29]	7.0%	7.0%
Krystal(2011) 6 29	-0.49	0.1204			-0.49	[-0.72; -0.25]	7.0%	7.0%
Krystal(2010) 1 1	-0.48	0.1140	- i = -			[-0.71; -0.26]	7.9%	7.4%
Krystal(2010) 1 29		0.1195				[-0.65; -0.18]	7.1%	7.1%
Krystal(2010) 1 85		0.1195	-			[-0.68; -0.22]	7.1%	7.1%
Krystal(2010) 3 1		0.1104				[-1.14; -0.70]	8.4%	7.6%
Krystal(2010) 3 29		0.1162				[-0.90; -0.45]	7.6%	7.3%
Krystal(2010) 3 85		0.1162				[-1.13; -0.67]	7.6%	7.3%
Hajak(2001) 25 1		0.1459				[-0.87; -0.30]	4.8%	5.7%
Hajak(2001) 25 28	-0.58	0.1459	- 			[-0.86; -0.29]	4.8%	5.7%
Common effect model			♦			[-0.65; -0.53]	98.8%	
Random effects model			\rightarrow		-0.59	[-0.68; -0.50]		97.9%
Heterogeneity: $I^2 = 50\%$, τ	$^2 = 0.01$	46, p = 0.0	02					
			i ! !					
Substance = Trazodone			i I					
Paterson(2009) 100 56	-0.84	0.2887 -	+ !		-0.84	[-1.40; -0.27]	1.2%	2.1%
Common effect model			♦			[-0.65; -0.53]	100.0%	
Random effects model			\Q		-0.59	[-0.68; -0.50]		100.0%
			1 1					
	2	10		0 0.5 1				
Heterogeneity: $I^2 = 48\%$, τ^2		' !	_	4 (0.00)				
Test for subgroup differenc								
Test for subgroup differenc	es (rand	nom effects	s): $\chi_1^- = 0.75$, df =	= 1 (p = 0.39)				

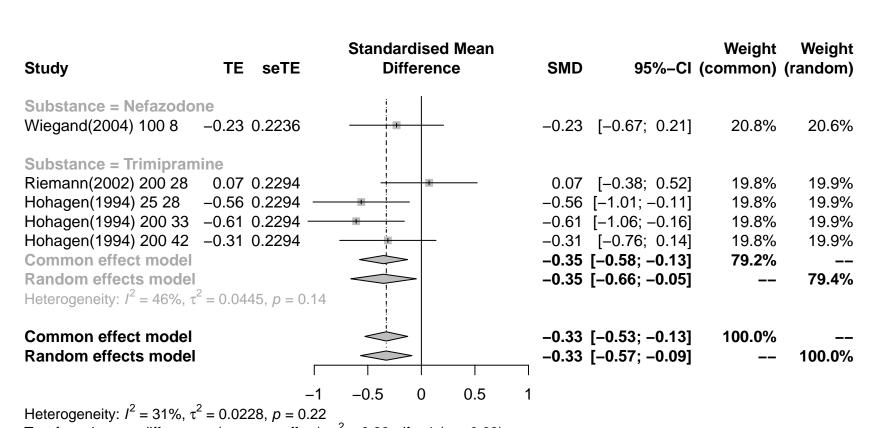


Heterogeneity: I^2 = 18%, τ^2 = 0.0081, p = 0.29 Test for subgroup differences (common effect): χ_4^2 = 5.14, df = 4 (p = 0.27) Test for subgroup differences (random effects): χ_4^2 = 4.87, df = 4 (p = 0.30)

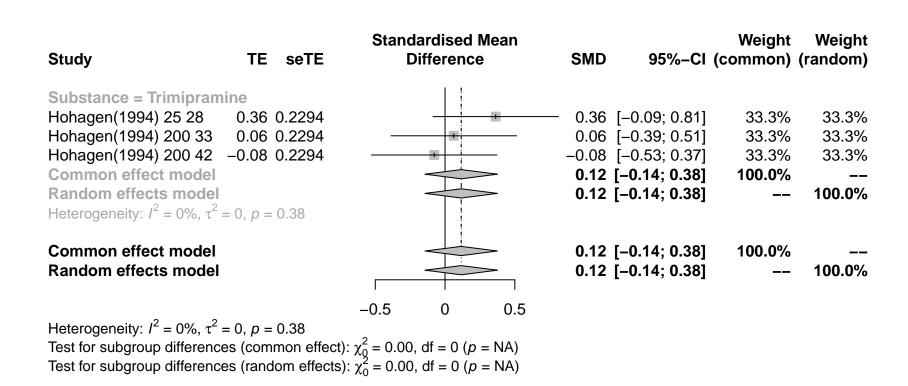


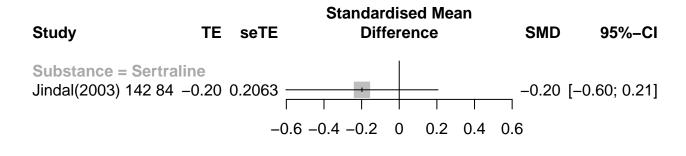


Heterogeneity: I^2 = 2%, τ^2 = 0.0035, p = 0.41 Test for subgroup differences (common effect): χ_3^2 = 5.02, df = 3 (p = 0.17) Test for subgroup differences (random effects): χ_3^2 = 4.97, df = 3 (p = 0.17)

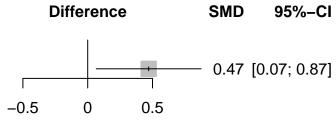


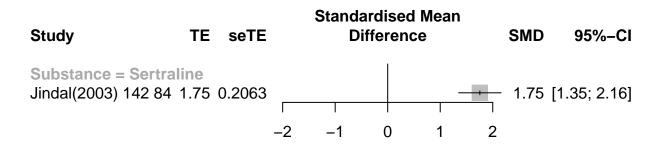
Heterogeneity: $I^2 = 31\%$, $\tau^2 = 0.0228$, p = 0.22Test for subgroup differences (common effect): $\chi_1^2 = 0.23$, df = 1 (p = 0.63) Test for subgroup differences (random effects): $\chi_1^2 = 0.20$, df = 1 (p = 0.66)

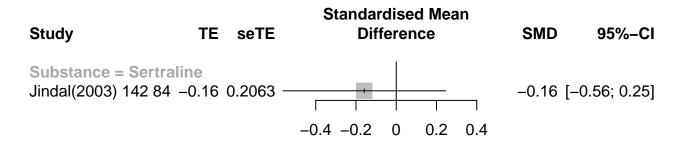


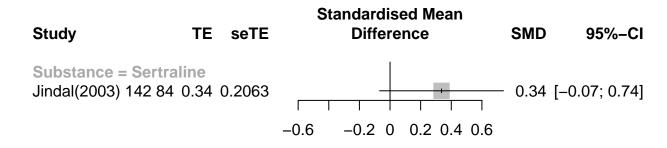


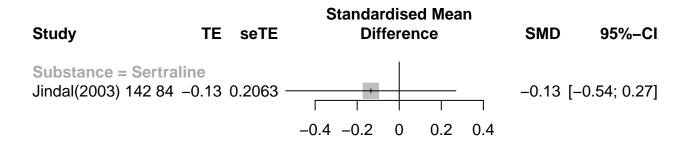


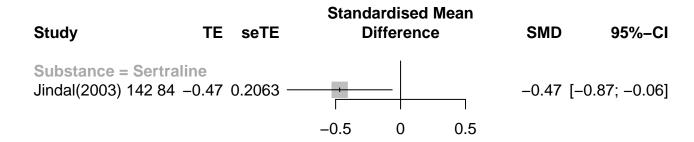


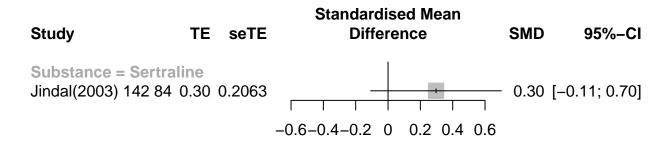






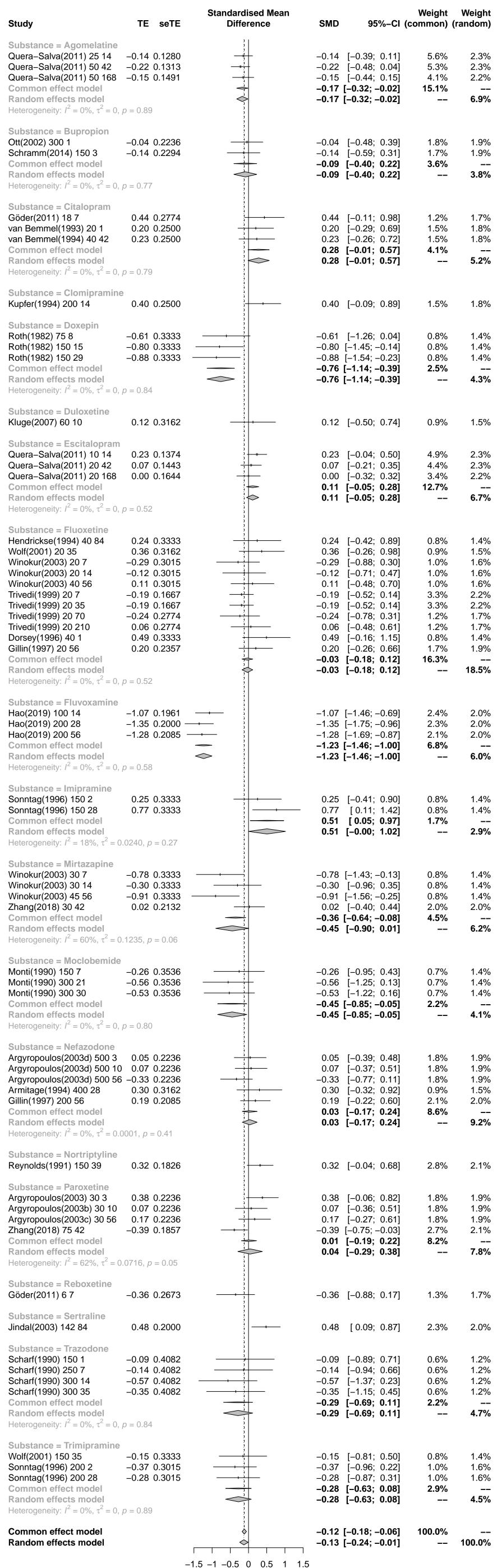




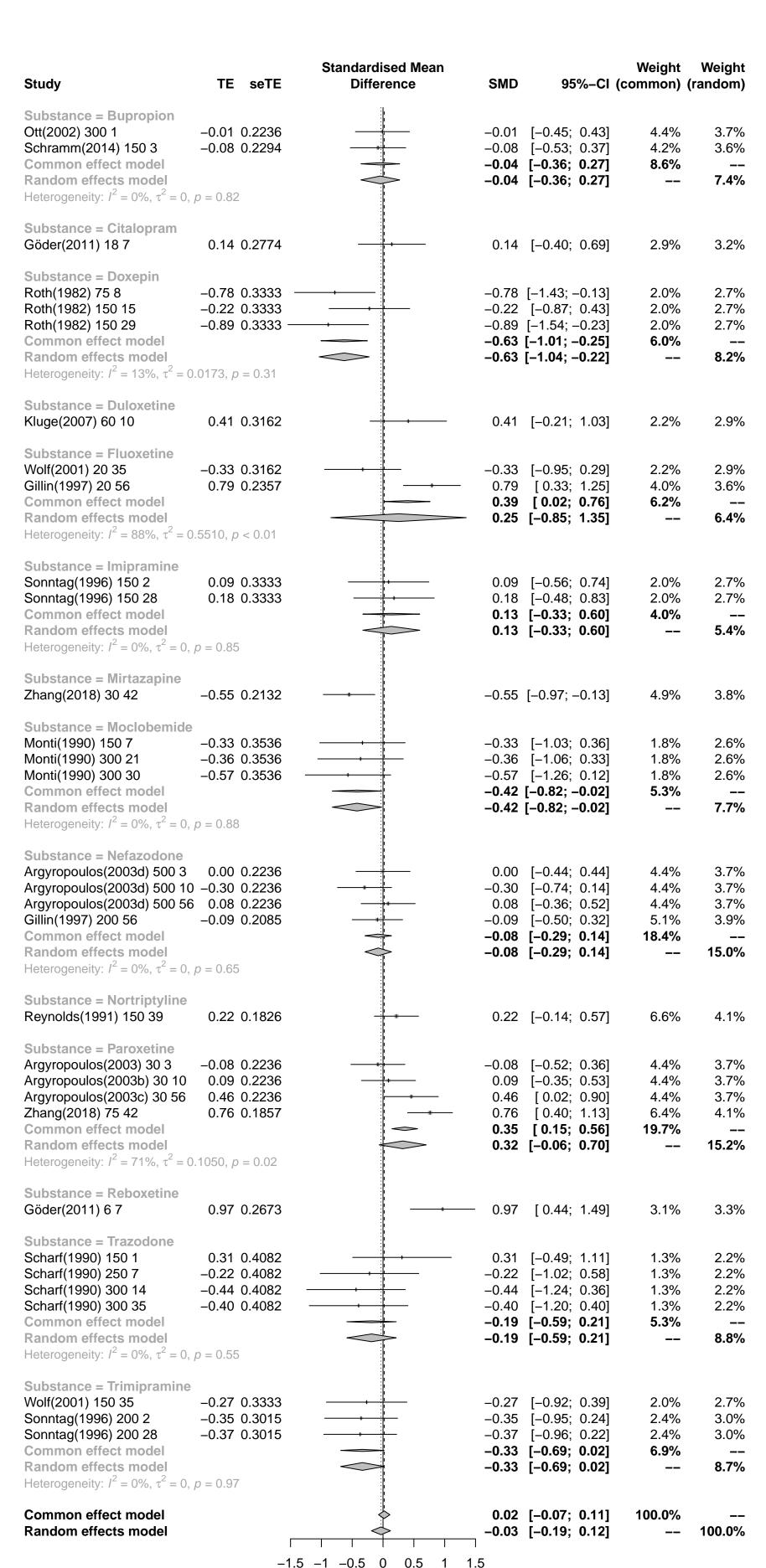


Study	TE	seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	Weight (random)
Substance = Agomelatine Quera(2007) 25 7 Quera(2007) 25 14 Quera(2007) 25 42 Quera–Salva(2011) 25 14 Quera–Salva(2011) 50 42 Quera–Salva(2011) 50 168 Mi(2020) 25 7 Mi(2020) 25 54 Common effect model Random effects model Heterogeneity: $I^2 = 99\%$, $\tau^2 = 4$.	0.24 (0.26 (0.02 (0.09 (0.17 (3.91 (5.87 ().2582).2582		0.24 0.26 0.02 0.09 0.17 3.91 5.87 0.74	[-0.07; 0.95] [-0.26; 0.75] [-0.29; 0.80] [-0.23; 0.28] [-0.17; 0.34] [-0.12; 0.46] [3.41; 4.42] [5.36; 6.37] [0.61; 0.86] [-0.18; 2.92]	1.3% 1.3% 1.1% 5.4% 5.1% 4.0% 1.3% 20.8%	1.6% 1.6% 1.7% 1.7% 1.7% 1.6% 1.6% 13.0%
Substance = Bupropion Ott(2002) 300 1 Schramm(2014) 150 3 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$, $t^2 = 0$	-0.10 (-0.00 (-0.00 -0.05	[-0.54; 0.34] [-0.45; 0.45] [-0.37; 0.26] [-0.37; 0.26]	1.8% 1.7% 3.4%	1.6% 1.6% 3.3%
Substance = Citalopram Göder(2011) 18 7 van Bemmel(1993) 20 1 van Bemmel(1994) 40 42 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	-0.18 (-0.41 (0.03 (p = 0.46	0.2500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-0.41 0.03 -0.19	[-0.72; 0.37] [-0.90; 0.08] [-0.46; 0.52] [-0.48; 0.10] [-0.48; 0.10]	1.1% 1.4% 1.4% 4.0%	1.6% 1.6% 1.6% 4.9%
Substance = Clomipramine Kupfer(1994) 200 14	-0.72 (0.2500	+ C C C C C C C C C	-0.72	[-1.21; -0.23]	1.4%	1.6%
Substance = Doxepin Roth(1982) 75 8 Roth(1982) 150 15 Roth(1982) 150 29 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$, l	0.75 (0.86 (0.3333 0.3333 0.3333		0.75 0.86	[-0.03; 1.28] [0.10; 1.40] [0.21; 1.51] [0.37; 1.12] [0.37; 1.12]	0.8% 0.8% 0.8% 2.4%	1.6% 1.6% 1.6% 4.8%
Substance = Escitalopram Quera-Salva(2011) 10 14 Quera-Salva(2011) 20 42 Quera-Salva(2011) 20 168 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.22 (-0.09 (-0.06 (0.1443		-0.09 -0.06 -0.13	[-0.49; 0.05] [-0.37; 0.19] [-0.38; 0.27] [-0.30; 0.04] [-0.30; 0.04]	4.7% 4.2% 3.2% 12.1%	1.7% 1.7% 1.6% 5.0%
Substance = Fluoxetine Hendrickse(1994) 40 84 Wolf(2001) 20 35 Winokur(2003) 20 7 Winokur(2003) 20 14 Winokur(2003) 40 56 Trivedi(1999) 20 7 Trivedi(1999) 20 35 Trivedi(1999) 20 70 Trivedi(1999) 20 210 Dorsey(1996) 40 1 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.06 (-0.01 (-0.01 (-0.04 (-0.10 (-0.39 (0.3162 0.3015 0.3015 0.3015 0.1667 0.1667 0.2774		-0.03 -0.08 0.32 0.06 -0.01 -0.04 -0.10 -0.39 - 0.04	[-0.95; 0.36] [-0.65; 0.59] [-0.67; 0.51] [-0.27; 0.92] [-0.53; 0.65] [-0.34; 0.32] [-0.34; 0.32] [-0.58; 0.50] [-0.64; 0.45] [-1.04; 0.27] [-0.19; 0.12] [-0.19; 0.12]	0.8% 0.9% 1.0% 1.0% 1.0% 3.2% 3.2% 1.1% 0.8% 14.0%	1.6% 1.6% 1.6% 1.6% 1.6% 1.6% 1.6% 1.6%
Substance = Fluvoxamine Hao(2019) 100 14 Hao(2019) 200 28 Hao(2019) 200 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	0.66 (0.1961 0.2000 0.2085	en en en en entre de la desta	0.63 0.69 0.66 0.66	[0.24; 1.01] [0.30; 1.08] [0.25; 1.07] [0.43; 0.89] [0.43; 0.89]	2.3% 2.2% 2.0% 6.5%	1.6% 1.6% 1.6% 4.9%
Substance = Imipramine Sonntag(1996) 150 2 Sonntag(1996) 150 28 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $I^2 = 0$	-0.19 (-0.46 (-0.46 -0.33	[-0.84; 0.46] [-1.12; 0.19] [-0.79; 0.14] [-0.79; 0.14]	0.8% 0.8% 1.6%	1.6% 1.6% 3.2%
Substance = Mirtazapine Winokur(2003) 30 7 Winokur(2003) 30 14 Winokur(2003) 45 56 Zhang(2018) 30 42 Mi(2020) 30 7 Mi(2020) 30 54 Common effect model Random effects model Heterogeneity: $l^2 = 99\%$, $\tau^2 = 10$	-0.01 (0.91 (2.31 (5.71 (7.75 (0.3333 0.2132 0.2582 0.2582		0.25 -0.01 0.91 2.31 5.71 + 7.75 3.33 2.82	[-0.40; 0.91] [-0.67; 0.64] [0.26; 1.56] [1.89; 2.73] [5.20; 6.22] [7.24; 8.25] [3.11; 3.55] [0.26; 5.39]	0.8% 0.8% 0.8% 1.9% 1.3% 6.9%	1.6% 1.6% 1.6% 1.6% 1.6% 9.6%
Substance = Moclobemide Monti(1990) 150 7 Monti(1990) 300 21 Monti(1990) 300 30 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$, $l^2 = 0$	0.72 (0.70 ().3536).3536).3536		0.72	[-0.33; 1.06] [0.03; 1.41] [0.00; 1.39] [0.19; 0.99] [0.19; 0.99]	0.7% 0.7% 0.7% 2.1%	1.6% 1.6% 1.6% 4.7%
Substance = Nefazodone Argyropoulos(2003d) 500 3 Argyropoulos(2003d) 500 10 Argyropoulos(2003d) 500 56 Armitage(1994) 400 28 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$,	0.10 (0.18 (0.08 (0.2236 0.2236 0.2236 0.3162		0.10 0.18 0.08 0.18	[-0.12; 0.75] [-0.34; 0.53] [-0.26; 0.62] [-0.54; 0.70] [-0.05; 0.41] [-0.05; 0.41]	1.8%	1.6% 1.6% 1.6% 1.6% 6.5%
Substance = Nortriptyline Reynolds(1991) 150 39	0.21 (0.1826	6 6 6 6 7 7	0.21	[-0.15; 0.57]	2.6%	1.6%
Substance = Paroxetine Argyropoulos(2003) 30 3 Argyropoulos(2003b) 30 10 Argyropoulos(2003c) 30 56 Zhang(2018) 75 42 Common effect model Random effects model Heterogeneity: $I^2 = 95\%$, $\tau^2 = 0.00$	-0.36 (-0.21 (0.19 (-1.78 ().2236).2236).1857	+ + + + + + + + + + + + + + + + + + +	-0.21 0.19 -1.78 -0.66	[-0.80; 0.07] [-0.64; 0.23] [-0.25; 0.63] [-2.14; -1.41] [-0.87; -0.46] [-1.39; 0.30]		1.6% 1.6% 1.6% 1.6% 6.5%
Substance = Reboxetine Göder(2011) 6 7	0.25 (0.2673	6 6 6 6 7 7 8	0.25	[-0.27; 0.78]	1.2%	1.6%
Substance = Sertraline Jindal(2003) 142 84	-0.24 (0.2000	1	-0.24	[-0.63; 0.16]	2.2%	1.6%
Substance = Trazodone Scharf(1990) 150 1 Scharf(1990) 250 7 Scharf(1990) 300 14 Scharf(1990) 300 35 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $I^2 = 0$	0.37 (0.68 (0.85 (0.4082 0.4082 0.4082 0.4082		0.37 0.68 0.85 0.52	[-0.64; 0.96] [-0.43; 1.17] [-0.12; 1.48] [0.05; 1.65] [0.12; 0.92] [0.12; 0.92]	0.5% 0.5% 0.5% 0.5% 2.1%	1.6% 1.6% 1.6% 1.6% 6.2%
Substance = Trimipramine Wolf(2001) 150 35 Sonntag(1996) 200 2 Sonntag(1996) 200 28 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $\tau^2 = 0$	0.47 (0.65 (0.78 0.47 0.65 0.62 0.62	[0.12; 1.43] [-0.13; 1.06] [0.06; 1.24] [0.27; 0.97] [0.27; 0.97]	0.8% 1.0% 1.0% 2.7%	1.6% 1.6% 1.6% 4.8%
Common effect model Random effects model				0.40 0.54	[0.34; 0.46] [0.16; 0.92]	100.0%	 100.0%

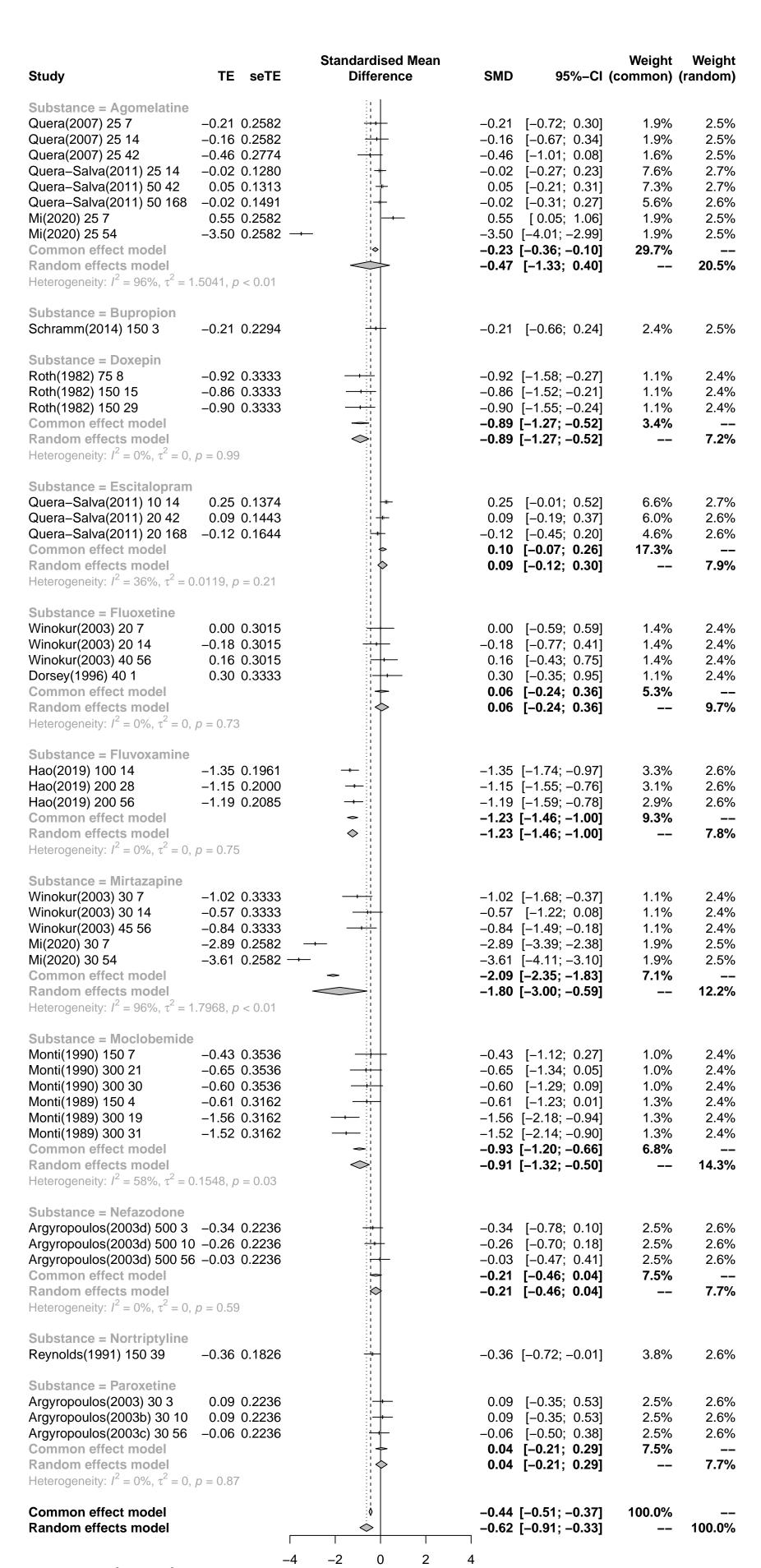
 $-5 \qquad 0 \qquad 5$ Heterogeneity: I^2 = 97%, τ^2 = 2.2813, p = 0 Test for subgroup differences (common effect): χ^2_{17} = 953.42, df = 17 (p < 0.01) Test for subgroup differences (random effects): χ^2_{17} = 94.62, df = 17 (p < 0.01)



 $-1.5 -1 -0.5 \quad 0 \quad 0.5 \quad 1$ Heterogeneity: $I^2 = 70\%$, $\tau^2 = 0.1338$, p < 0.01 Test for subgroup differences (common effect): $\chi^2_{18} = 157.31$, df = 18 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{18} = 154.66$, df = 18 (p < 0.01)



Heterogeneity: I^2 = 63%, τ^2 = 0.1186, p < 0.01 Test for subgroup differences (common effect): χ^2_{13} = 58.52, df = 13 (p < 0.01) Test for subgroup differences (random effects): χ^2_{13} = 43.37, df = 13 (p < 0.01)



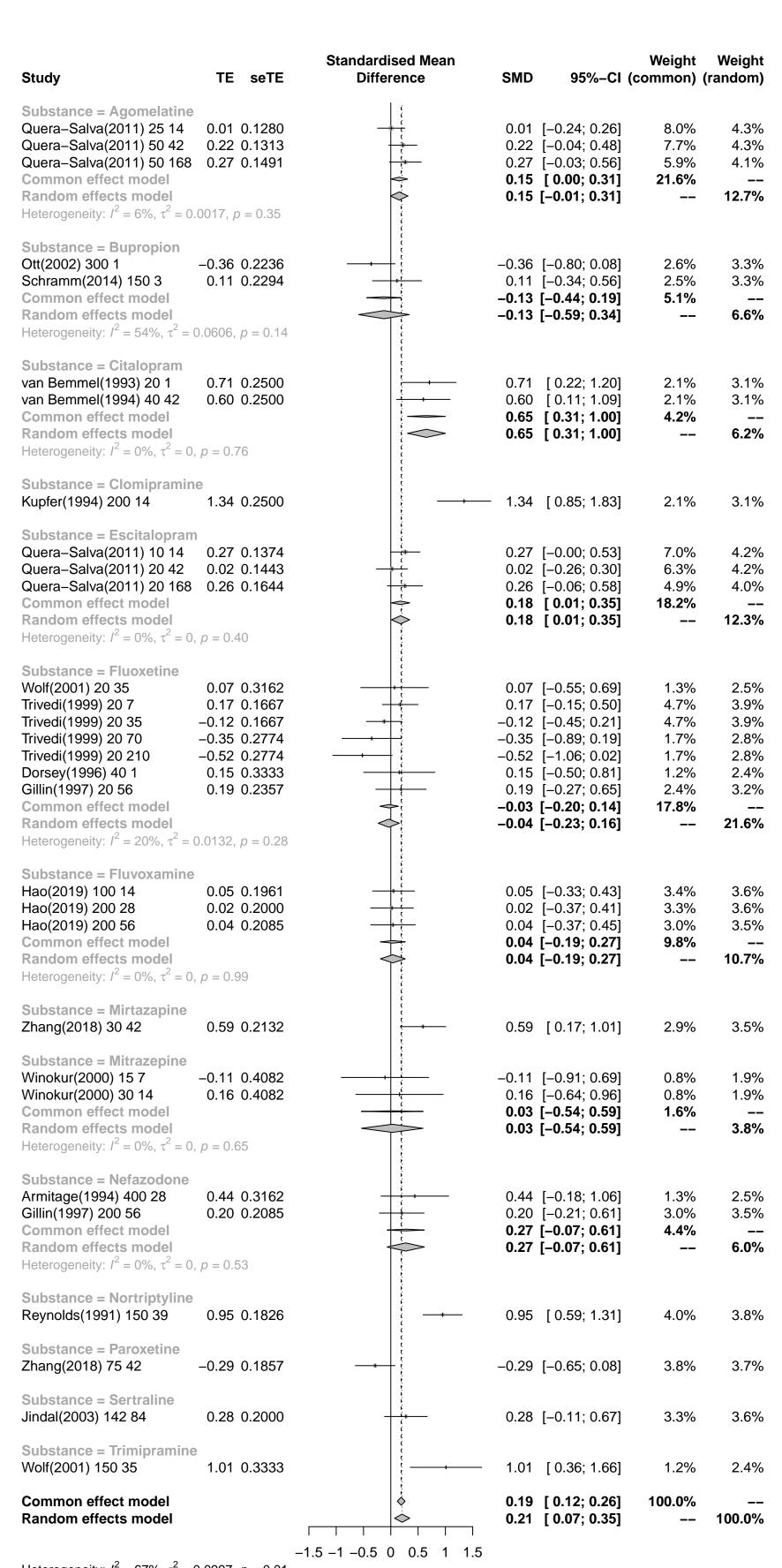
Heterogeneity: $I^2 = 93\%$, $\tau^2 = 0.8193$, p < 0.01Test for subgroup differences (common effect): $\chi^2_{10} = 299.42$, df = 10 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{10} = 112.93$, df = 10 (p < 0.01)

		essed Population REM	idionoy iii			
Study	TE seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	Weight (random)
Substance = Agomelatine Quera(2007) 25 7 Quera(2007) 25 14 Quera(2007) 25 42 Quera-Salva(2011) 25 14 Quera-Salva(2011) 50 42 Quera-Salva(2011) 50 168 Common effect model Random effects model	-0.36 0.2582 -0.10 0.2582 -0.10 0.2774 0.18 0.1280 0.09 0.1313 0.10 0.1491		-0.10 -0.10 0.18 0.09 0.10 0.06	[-0.87; 0.14] [-0.60; 0.41] [-0.65; 0.44] [-0.08; 0.43] [-0.17; 0.35] [-0.19; 0.39] [-0.08; 0.19] [-0.08; 0.19]	1.3% 1.3% 1.1% 5.3% 5.1% 3.9% 18.1%	1.6% 1.6% 1.8% 1.8% 1.8% 10.2%
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $I^2 = 0\%$	-0.07 0.2236 0.48 0.2294		0.48 0.20	[-0.51; 0.37] [0.03; 0.93] [- 0.11; 0.51] [- 0.34; 0.75]	1.7% 1.7% 3.4% 	1.7% 1.7% 3.3%
Substance = Citalopram Göder(2011) 18 7 van Bemmel(1993) 20 1 van Bemmel(1994) 40 42 Common effect model Random effects model Heterogeneity: $I^2 = 74\%$, $\tau^2 = 0$.	2.23 0.2774 1.19 0.2500 1.65 0.2500			[1.69; 2.77] [0.70; 1.68] [1.16; 2.14] [1.36; 1.95] [1.10; 2.26]	1.1% 1.4% 1.4% 3.9%	1.6% 1.6% 1.6% 4.8%
Substance = Clomipramine Kupfer(1994) 200 14	3.19 0.2500	10 10 10 10 10 10 10 10 10 10 10 10 10 1	→ 3.19	[2.70; 3.68]	1.4%	1.6%
Substance = Duloxetine Kluge(2007) 60 10	1.71 0.3162	6 6 6 6 7 7	1.71	[1.09; 2.33]	0.9%	1.5%
Substance = Escitalopram Quera-Salva(2011) 10 14 Quera-Salva(2011) 20 42 Quera-Salva(2011) 20 168 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	0.73 0.1374 0.70 0.1443 0.70 0.1644 0 = 0.99			[0.46; 1.00] [0.42; 0.98] [0.38; 1.03] [0.55; 0.88] [0.55; 0.88]	4.6% 4.2% 3.2% 12.1%	1.8% 1.8% 1.7% —— 5.3%
Substance = Fluoxetine Hendrickse(1994) 40 84 Wolf(2001) 20 35 Winokur(2003) 20 7 Winokur(2003) 20 14 Winokur(2003) 40 56 Trivedi(1999) 20 7 Trivedi(1999) 20 35 Trivedi(1999) 20 70 Trivedi(1999) 20 210 Dorsey(1996) 40 1 Gillin(1997) 20 56 Common effect model Random effects model Heterogeneity: $I^2 = 4\%$, $\tau^2 = <0$	0.82 0.3333 0.87 0.3162 0.58 0.3015 0.87 0.3015 0.65 0.3015 1.03 0.1667 0.95 0.1667 0.92 0.2774 0.68 0.2774 1.79 0.3333 1.04 0.2357		0.87 0.65 1.03 0.95 0.92 0.68 1.79 1.04 0.94	[0.17; 1.47] [0.26; 1.49] [-0.01; 1.17] [0.28; 1.46] [0.06; 1.24] [0.70; 1.36] [0.63; 1.28] [0.37; 1.46] [0.14; 1.22] [1.14; 2.44] [0.58; 1.50] [0.79; 1.09] [0.79; 1.09]	0.8% 0.9% 1.0% 1.0% 3.1% 3.1% 1.1% 0.8% 1.6% 15.5%	1.5% 1.5% 1.5% 1.5% 1.7% 1.6% 1.6% 1.5% 1.7%
Substance = Fluvoxamine Hao(2019) 100 14 Hao(2019) 200 28 Hao(2019) 200 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	0.58 0.1961 0.43 0.2000 0.44 0.2085 0 = 0.84		0.44 0.48	[0.19; 0.96] [0.03; 0.82] [0.03; 0.85] [0.26; 0.71] [0.26; 0.71]	2.3% 2.2% 2.0% 6.5%	1.7% 1.7% 1.7% 5.1%
Substance = Imipramine Sonntag(1996) 150 2 Sonntag(1996) 150 28 Common effect model Random effects model Heterogeneity: $I^2 = 77\%$, $\tau^2 = 0$.	1.59 0.3333 0.61 0.3333 3730, $p = 0.04$		1.10	[0.94; 2.25] [-0.04; 1.26] [0.64; 1.56] [0.14; 2.07]	0.8% 0.8% 1.6%	1.5% 1.5% 3.0%
Substance = Mirtazapine Winokur(2003) 30 7 Winokur(2003) 30 14 Winokur(2003) 45 56 Zhang(2018) 30 42 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $I^2 = 0$	0.12 0.3333 0.43 0.3333 0.21 0.3333 0.07 0.2132		0.43 0.21 0.07 0.17	[-0.53; 0.77] [-0.22; 1.09] [-0.44; 0.86] [-0.35; 0.49] [-0.11; 0.45] [-0.11; 0.45]	0.8% 0.8% 0.8% 1.9% 4.3%	1.5% 1.5% 1.5% 1.7% 6.1%
Substance = Mitrazepine Winokur(2000) 15 7 Winokur(2000) 30 14 Common effect model Random effects model Heterogeneity: $I^2 = 46\%$, $\tau^2 = 0$.	0.01 0.4082 0.79 0.4082 1406, $p = 0.17$	C C C C C C C C C C C C C C C C C C C	0.79 0.40	[-0.79; 0.81] [-0.01; 1.59] [- 0.16; 0.97] [- 0.37; 1.17]	0.5% 0.5% 1.0%	1.4% 1.4% 2.7%
Substance = Moclobemide Monti(1990) 150 7 Monti(1990) 300 21 Monti(1990) 300 30 Monti(1989) 150 4 Monti(1989) 300 19 Monti(1989) 300 31 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	1.31 0.3536 1.09 0.3536 1.11 0.3536 1.48 0.3162 1.16 0.3162 1.09 0.3162		1.21	[0.62; 2.01] [0.40; 1.78] [0.42; 1.80] [0.86; 2.10] [0.54; 1.78] [0.47; 1.71] [0.94; 1.48] [0.94; 1.48]	0.7% 0.7% 0.7% 0.9% 0.9% 4.7%	1.5% 1.5% 1.5% 1.5% 1.5% 1.5%
Substance = Nefazodone Argyropoulos(2003d) 500 3 Argyropoulos(2003d) 500 10 Argyropoulos(2003d) 500 56 Armitage(1994) 400 28 Gillin(1997) 200 56 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$, ρ	-0.31 0.2236 -0.32 0.2236 0.16 0.3162 -0.29 0.2085	→ · · · · · · · · · · · · · · · · · · ·	-0.31 -0.32 0.16 -0.29 -0.28 [-	[-0.85; 0.02] [-0.75; 0.13] [-0.76; 0.12] [-0.46; 0.78] [-0.70; 0.12] -0.48; -0.08]	1.7% 1.7% 1.7% 0.9% 2.0% 8.1%	1.7% 1.7% 1.5% 1.7% 8.2%
Substance = Nortriptyline Reynolds(1991) 150 39	0.74 0.1826	0 0 0 0 0 0 0	0.74	[0.38; 1.09]	2.6%	1.7%
Substance = Paroxetine Argyropoulos(2003) 30 3 Argyropoulos(2003b) 30 10 Argyropoulos(2003c) 30 56 Zhang(2018) 75 42 Common effect model Random effects model Heterogeneity: $I^2 = 50\%$, $\tau^2 = 0$.	1.69 0.2236 1.20 0.2236 1.45 0.2236 1.01 0.1857	+ + • ♦		[1.25; 2.12] [0.76; 1.64] [1.02; 1.89] [0.65; 1.38] [1.10; 1.51] [1.03; 1.62]	1.7% 1.7% 1.7% 2.5% 7.8%	1.7% 1.7% 1.7% 1.7% 6.7%
Substance = Reboxetine Göder(2011) 6 7	0.93 0.2673	1. C.	0.93	[0.41; 1.46]	1.2%	1.6%
Substance = Sertraline Jindal(2003) 142 84 Substance = Trazodone	1.38 0.2000		1.38	[0.99; 1.77]	2.2%	1.7%
Scharf(1990) 150 1 Scharf(1990) 250 7 Scharf(1990) 300 14 Scharf(1990) 300 35 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, I	0.21 0.4082 0.31 0.4082 0.40 0.4082 0.46 0.4082	C C C C C C C C C C C C C C C C C C C	0.31 0.40 0.46 0.34	[-0.59; 1.01] [-0.49; 1.11] [-0.40; 1.20] [-0.34; 1.26] [-0.06; 0.74] [-0.06; 0.74]	0.5% 0.5% 0.5% 0.5% 2.1%	1.4% 1.4% 1.4% 5.4%
Substance = Trimipramine Wolf(2001) 150 35 Sonntag(1996) 200 2 Sonntag(1996) 200 28 Common effect model Random effects model Heterogeneity: $l^2 = 45\%$, $\tau^2 = 0$.	0.01 0.3333 -0.84 0.3015 -0.57 0.3015 0785, p = 0.16		-0.84 [-0.57 -0.50 [-	[-0.64; 0.66] -1.43; -0.24] [-1.16; 0.02] -0.85; -0.14] -0.96; -0.01]	0.8% 1.0% 1.0% 2.7%	1.5% 1.5% 1.5% 4.6%
Common effect model Random effects model				[0.57; 0.68] [0.49; 0.85]	100.0% 	 100.0%

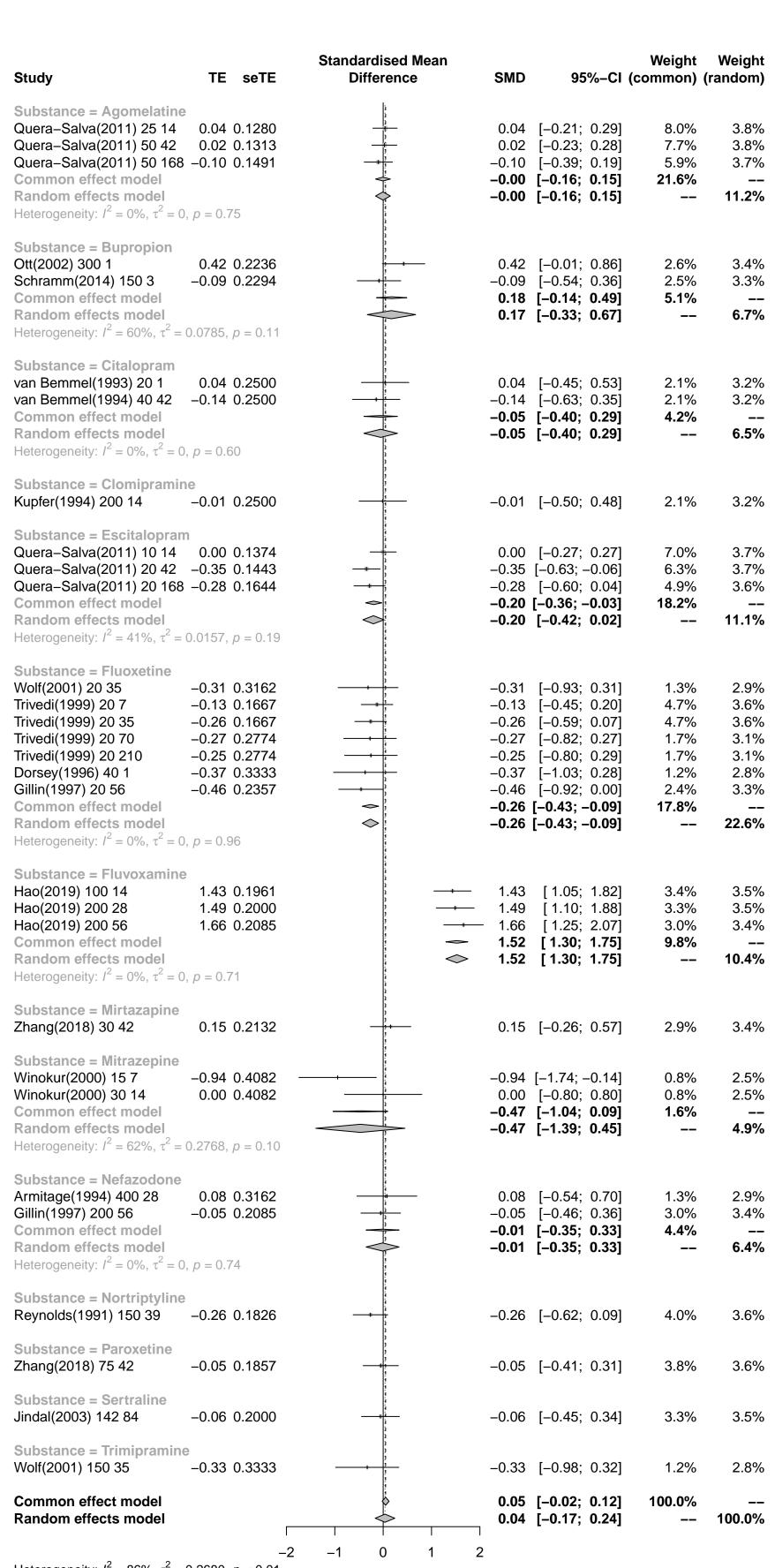
-3 -2 -1 0 1 2 3 Heterogeneity: $I^2 = 88\%$, $\tau^2 = 0.4548$, p < 0.01 Test for subgroup differences (common effect): $\chi^2_{18} = 465.69$, df = 18 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{18} = 382.71$, df = 18 (p < 0.01)

Study	TE	seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	Weight (random)
Substance = Agomelatine Quera(2007) 25 7 Quera(2007) 25 14 Quera(2007) 25 42 Quera–Salva(2011) 25 14 Quera–Salva(2011) 50 42 Quera–Salva(2011) 50 168 Mi(2020) 25 7 Mi(2020) 25 54 Common effect model Random effects model Heterogeneity: $I^2 = 96\%$, $\tau^2 = 1$	0.28 0.51 0.05 0.09 0.15 2.24 3.26	0.2582 0.2582 0.2774 0.1280 0.1313 0.1491 0.2582 0.2582	+ + +	0.28 0.51 0.05 0.09	[-0.04; 0.97] [-0.22; 0.79] [-0.04; 1.05] [-0.20; 0.30] [-0.16; 0.35] [-0.14; 0.44] [1.73; 2.74] [2.75; 3.77] [0.36; 0.61] [0.05; 1.69]	1.3% 1.1% 5.4% 5.1% 4.0% 1.3%	1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7%
Substance = Bupropion Ott(2002) 300 1 Schramm(2014) 150 3 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.20	0.2236 0.2294		0.20 0.05	[-0.53; 0.34] [-0.25; 0.65] [-0.27; 0.36] [-0.27; 0.36]	1.7%	1.7% 1.7% 3.4%
Substance = Citalopram Göder(2011) 18 7 van Bemmel(1993) 20 1 van Bemmel(1994) 40 42 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.40 -0.19	0.2774 0.2500 0.2500	+ C C C C C C C C C C C C C C C C C C C	-0.40 -0.19 -0.37	[-1.11; -0.02] [-0.89; 0.09] [-0.68; 0.30] [-0.67; -0.08] [-0.67; -0.08]	1.4%	1.7% 1.7% 1.7% 5.1%
Substance = Clomipramine Kupfer(1994) 200 14		0.2500	+ (c c c c c c c c c c c c c c c c c c c	-1.09	[-1.58; -0.60]	1.4%	1.7%
Substance = Duloxetine Kluge(2007) 60 10	-0.39	0.3162	1. 1. 1. 1. 1. 1. 1. 1.	-0.39	[-1.01; 0.23]	0.9%	1.7%
` ,	-0.09 -0.05	0.1374 0.1443 0.1644	# C C C C C C C C C C C C C C C C C C C	-0.09 -0.05 -0.14	[-0.52; 0.01] [-0.37; 0.19] [-0.37; 0.27] [-0.31; 0.02] [-0.31; 0.02]	4.2% 3.2% 12.1%	1.7% 1.7% 1.7% 5.2%
Substance = Fluoxetine Hendrickse(1994) 40 84 Wolf(2001) 20 35 Winokur(2003) 20 7 Winokur(2003) 20 14 Winokur(2003) 40 56 Trivedi(1999) 20 7 Trivedi(1999) 20 35 Trivedi(1999) 20 70 Trivedi(1999) 20 210 Dorsey(1996) 40 1 Gillin(1997) 20 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.02 0.04 0.23 -0.07 0.13 -0.01 0.03 0.07 -0.69 -0.41	0.3333 0.3162 0.3015 0.3015 0.3015 0.1667 0.2774 0.2774 0.3333 0.2357		0.02 0.04 0.23 -0.07 0.13 -0.01 0.03 0.07 -0.69 -0.41 -0.05	[-0.96; 0.35] [-0.60; 0.64] [-0.55; 0.63] [-0.36; 0.82] [-0.66; 0.52] [-0.20; 0.46] [-0.34; 0.31] [-0.51; 0.57] [-0.47; 0.61] [-1.34; -0.04] [-0.87; 0.05] [-0.20; 0.10] [-0.20; 0.10]	0.9% 1.0% 1.0% 1.0% 3.2% 3.2% 1.1% 0.8% 1.6%	1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7%
Substance = Fluvoxamine Hao(2019) 100 14 Hao(2019) 200 28 Hao(2019) 200 56 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$,	0.51 0.46	0.1961 0.2000 0.2085		0.48 0.51 0.46 0.48 0.48	[0.09; 0.86] [0.11; 0.90] [0.06; 0.87] [0.25; 0.71] [0.25; 0.71]	2.2% 2.0% 6.5%	1.7% 1.7% 1.7% 5.2%
Substance = Imipramine Sonntag(1996) 150 2 Sonntag(1996) 150 28 Common effect model Random effects model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$,	-0.48	0.3333 0.3333		−0.48 −0.32	[-0.80; 0.50] [-1.14; 0.17] [-0.78; 0.15] [-0.78; 0.15]	0.8%	1.7% 1.7% 3.3%
Substance = Mirtazapine Winokur(2003) 30 7 Winokur(2003) 30 14 Winokur(2003) 45 56 Zhang(2018) 30 42 Mi(2020) 30 7 Mi(2020) 30 54 Common effect model Random effects model Heterogeneity: $I^2 = 99\%$, $\tau^2 = 12$	0.58 0.94 -0.52 9.24 2.49	0.3333 0.3333 0.2132 0.2582 0.2582		0.94 -0.52 + 9.24 2.49 2.36	[-0.08; 1.23]	0.8% 0.8% 1.9% 1.3% 1.3%	1.7% 1.7% 1.7% 1.7% 1.7% 1.7%
Substance = Nefazodone Argyropoulos(2003d) 500 3 Argyropoulos(2003d) 500 10 Argyropoulos(2003d) 500 56 Armitage(1994) 400 28 Gillin(1997) 200 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.20 0.21 0.26 0.03	0.2236 0.2236 0.2236 0.3162 0.2085		0.20 0.21 0.26 0.03 0.19	[-0.14; 0.74] [-0.24; 0.64] [-0.23; 0.65] [-0.36; 0.88] [-0.38; 0.44] [-0.02; 0.39] [-0.02; 0.39]	1.8% 1.8% 0.9% 2.0% 8.2%	1.7% 1.7% 1.7% 1.7% 1.7% 8.5%
Substance = Nortriptyline Reynolds(1991) 150 39		0.1826		0.22	[-0.14; 0.58]	2.6%	1.7%
Substance = Paroxetine Argyropoulos(2003) 30 3 Argyropoulos(2003b) 30 10 Argyropoulos(2003c) 30 56 Zhang(2018) 75 42 Common effect model Random effects model Heterogeneity: $I^2 = 79\%$, $\tau^2 = 0$	-0.07 0.00 -0.95	0.2236 0.2236 0.2236 0.1857	+ + + + + + + + + + + + + + + + + + + +	-0.07 0.00 -0.95 -0.42	[-0.85; 0.03] [-0.51; 0.37] [-0.44; 0.44] [-1.32; -0.59] [-0.63; -0.21] [-0.81; 0.07]	1.8% 1.8% 2.5% 7.8%	1.7% 1.7% 1.7% 1.7% 6.9%
Substance = Reboxetine Göder(2011) 6 7		0.2673		0.09	[-0.43; 0.61]	1.2%	1.7%
Substance = Sertraline Jindal(2003) 142 84	-0.30	0.2000	1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	-0.30	[-0.69; 0.10]	2.2%	1.7%
Substance = Trazodone Scharf(1990) 150 1 Scharf(1990) 250 7 Scharf(1990) 300 14 Scharf(1990) 300 35 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.38 0.68 0.85	0.4082 0.4082 0.4082 0.4082		0.38 0.68 0.85	[-0.78; 0.82] [-0.42; 1.18] [-0.12; 1.48] [0.05; 1.65] [0.08; 0.88] [0.08; 0.88]	0.5% 0.5% 0.5%	1.6% 1.6% 1.6% 1.6% 6.5%
Substance = Trimipramine Wolf(2001) 150 35 Sonntag(1996) 200 2 Sonntag(1996) 200 28 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.73 0.71	0.3333 0.3015 0.3015		0.94 0.73 0.71 0.78 0.78	[0.29; 1.59] [0.14; 1.32] [0.12; 1.30] [0.43; 1.14] [0.43; 1.14]	1.0% 1.0%	1.7% 1.7% 1.7% 5.0%
Common effect model Random effects model Heterogeneity: $I^2 = 97\%$, $\tau^2 = 1$	8450 -	a ~ 0 01	-5 0 5	0.25 0.36	[0.19; 0.31] [0.01; 0.72]	100.0% 	 100.0%

Heterogeneity: $I^2 = 97\%$, $\tau^2 = 1.8459$, p < 0.01Test for subgroup differences (common effect): $\chi^2_{16} = 522.84$, df = 16 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{16} = 89.96$, df = 16 (p < 0.01)



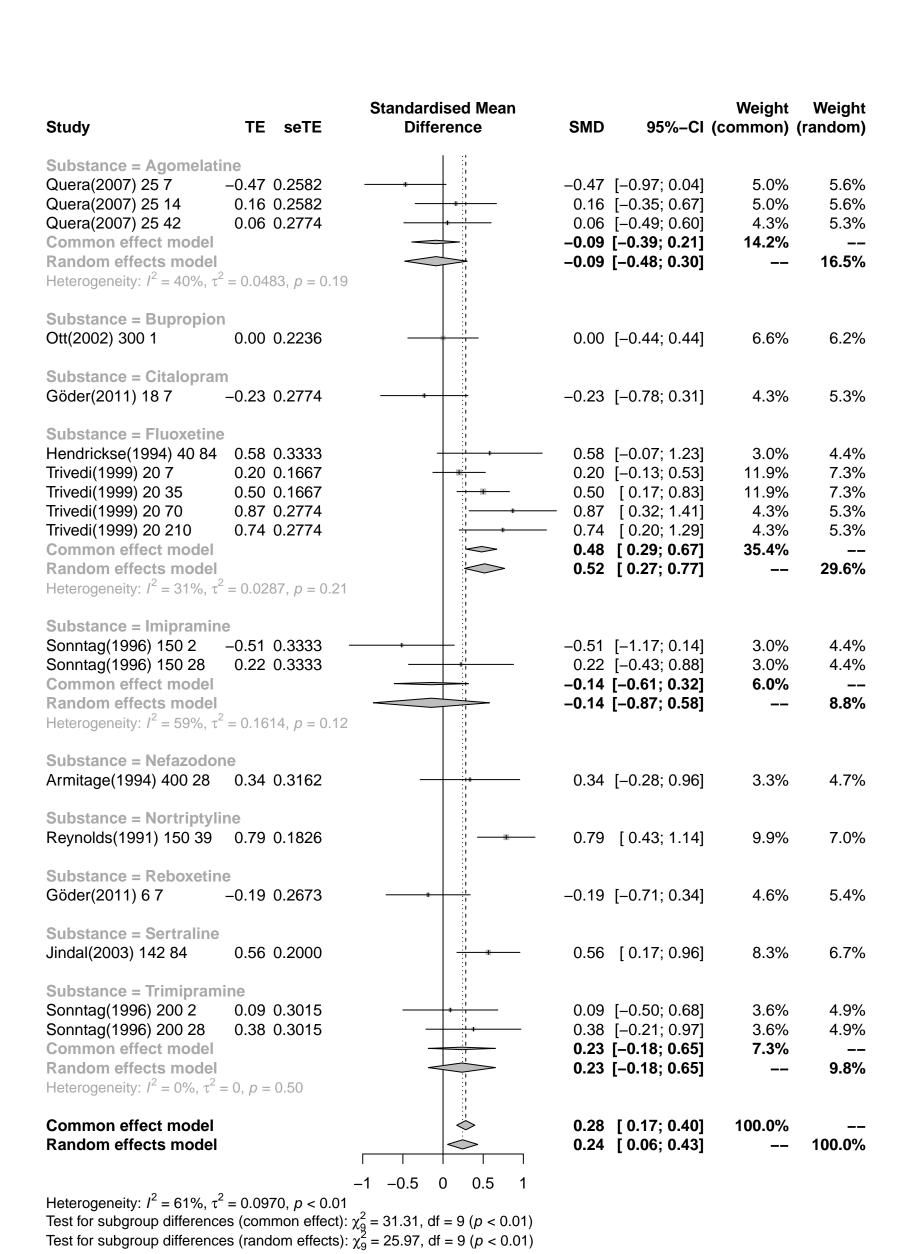
Heterogeneity: I^2 = 67%, τ^2 = 0.0997, p < 0.01 Test for subgroup differences (common effect): χ^2_{13} = 74.68, df = 13 (p < 0.01) Test for subgroup differences (random effects): χ^2_{13} = 70.96, df = 13 (p < 0.01)

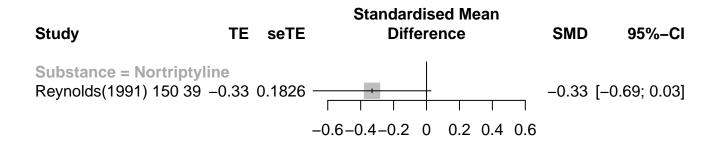


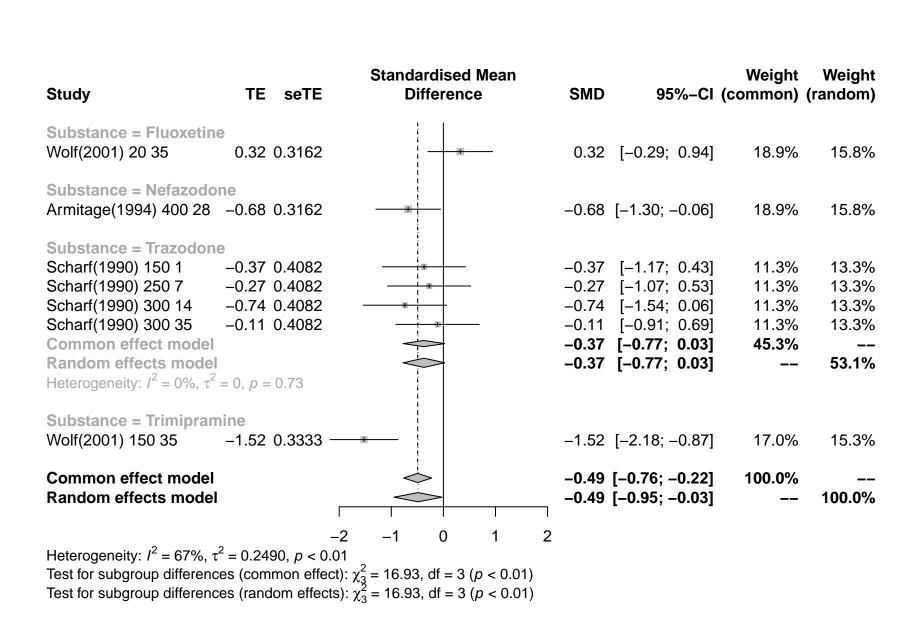
Heterogeneity: $I^2 = 86\%$, $\tau^2 = 0.2680$, p < 0.01Test for subgroup differences (common effect): $\chi^2_{13} = 192.10$, df = 13 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{13} = 186.05$, df = 13 (p < 0.01)

			Standardised Mean			Woight	Weight
Study	TE	seTE	Difference	SMD	95%-CI	Weight (common)	_
Substance = Agomelatine Quera-Salva(2011) 25 14 Quera-Salva(2011) 50 42	-0.28 -0.23	0.1313	! ! ! ! ! !	-0.23	[-0.53; -0.02] [-0.49; 0.03]	7.4%	3.2%
Quera-Salva(2011) 50 168 Common effect model Random effects model			→	-0.22	[-0.41; 0.17] [-0.37; -0.06] [-0.37; -0.06]	21.0%	3.2% 9.6%
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$ Substance = Bupropion	p = 0.7	73					
Ott(2002) 300 1 Schramm(2014) 150 3 Common effect model		0.2236 0.2294		-0.05	[-0.45; 0.43] [-0.50; 0.40] [-0.34; 0.29]	2.4%	3.0% 3.0%
Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$	p = 0.9	91			[-0.34; 0.29]		6.0%
Substance = Citalopram van Bemmel(1993) 20 1 van Bemmel(1994) 40 42		0.2500 0.2500			[-1.98; -1.00] [-1.56; -0.58]		3.0% 3.0%
Common effect model Random effects model Heterogeneity: $I^2 = 28\%$, $\tau^2 = 10$			→ !	-1.28	[-1.63; -0.93] [-1.69; -0.87]	4.1%	5.9%
Substance = Clomipramin Kupfer(1994) 200 14		0.2500		-3.76	[-4.25; -3.27]	2.0%	3.0%
Substance = Escitalopram Quera-Salva(2011) 10 14		0.1374	() () () () () () () () () ()	-0.69	[-0.96; -0.42]	6.8%	3.2%
Quera-Salva(2011) 20 42 Quera-Salva(2011) 20 168 Common effect model	-0.43	0.1443	÷ + + + + + + + + + + + + + + + + + + +	-0.43 -0.18	[-0.72; -0.15] [-0.50; 0.14] [-0.63; -0.30]	6.1% 4.7%	3.2% 3.2%
Random effects model Heterogeneity: $I^2 = 66\%$, $\tau^2 = 66\%$	0.0423,	p = 0.05	₹		[-0.73; -0.16]		9.6%
Substance = Fluoxetine Wolf(2001) 20 35 Trivedi(1999) 20 7		0.3162 0.1667			[-1.49; -0.25] [-1.30; -0.64]		2.8% 3.2%
Trivedi(1999) 20 35	-0.68	0.1667		-0.68	[-1.01; -0.36]	4.6%	3.2%
Trivedi(1999) 20 70 Trivedi(1999) 20 210		0.2774 0.2774	- \frac{1}{1} \frac{1}{1}		[-0.76; 0.33] [-0.07; 1.02]		2.9% 2.9%
Dorsey(1996) 40 1	0.13	0.3333	<u>;</u>	0.13	[-0.52; 0.79]	1.2%	2.7%
Gillin(1997) 20 56 Common effect model	-0.60	0.2357	- +; -; -⇒;		[-1.07; -0.14] [-0.72; -0.38]		3.0%
Random effects model Heterogeneity: $I^2 = 78\%$, $\tau^2 = 10$	0.2166,	p < 0.01	¢	-0.42	[-0.81; -0.03]		20.6%
Substance = Fluvoxamine Hao(2019) 100 14		0.1961		-0.50	[-0.88; -0.11]	3.3%	3.1%
Hao(2019) 200 28	-0.32	0.2000		-0.32	[-0.71; 0.07]	3.2%	3.1%
Hao(2019) 200 56 Common effect model	-0.40	0.2085	 		[-0.81; 0.01] [-0.63; -0.18]		3.1%
Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$	p = 0.8	32	\$		[-0.63; -0.18]		9.2%
Substance = Mirtazapine Zhang(2018) 30 42	0.57	0.2132		0.57	[0.15; 0.99]	2.8%	3.1%
Substance = Mitrazepine Winokur(2000) 15 7	0.07	0.4082	((((0.07	[-0.73; 0.87]	0.8%	2.5%
Winokur(2000) 30 14		0.4082		-0.30	[-1.10; 0.50]	0.8%	2.5%
Common effect model Random effects model			1		[-0.68; 0.45] [-0.68; 0.45]		5.0%
Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$ Substance = Nefazodone	p = 0.8	51	t t t t t t t t t t t t t t t t t t t				
Armitage(1994) 400 28 Gillin(1997) 200 56		0.3162 0.2085	ţ <u> </u>		[-0.50; 0.74] [-0.28; 0.53]		2.8% 3.1%
Common effect model	0.12	0.2003	-	0.12	[-0.22; 0.47]	4.2%	
Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$	p = 1.0	00		0.12	[-0.22; 0.47]		5.8%
Substance = Nortriptyline Reynolds(1991) 150 39		0.1826		-1.11	[-1.47; -0.76]	3.8%	3.1%
Substance = Paroxetine Zhang(2018) 75 42	-0.35	0.1857	i i i t	-0.35	[-0.72; 0.01]	3.7%	3.1%
Substance = Sertraline Jindal(2003) 142 84	-0.42	0.2000		-0.42	[-0.81; -0.03]	3.2%	3.1%
Substance = Trazodone Scharf(1990) 150 1	ე 21	0.4082	i i	ი 21	[-0.59; 1.01]	0.8%	2.5%
Scharf(1990) 250 7	-0.42	0.4082		-0.42	[-1.22; 0.38]	0.8%	2.5%
Scharf(1990) 300 14 Scharf(1990) 300 35		0.4082 0.4082	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 		[-0.41; 1.19] [-0.68; 0.92]		2.5% 2.5%
Common effect model	· -	.302	+	0.07	[-0.33; 0.47]	3.1%	
Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$		54		0.07	[-0.33; 0.47]		10.0%
Substance = Trimipramine Wolf(2001) 150 35		0.3333	t t t	0.28	[-0.38; 0.93]	1.2%	2.7%
Common effect model Random effects model			♦		[-0.51; -0.37] [-0.65; -0.14]	100.0%	 100.0%
Heterogeneity: $I^2 = 89\%$ $\tau^2 = 10$	N 5122	n - 0 01	-4 -2 0 2	4	, 0.17]		. 5515 /0

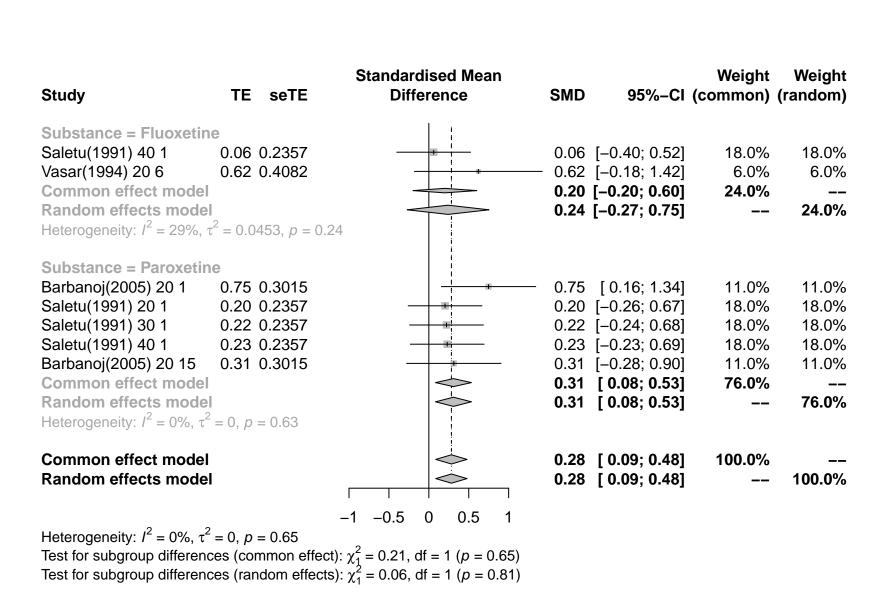
Heterogeneity: I^2 = 89%, τ^2 = 0.5122, p < 0.01 Test for subgroup differences (common effect): χ^2_{14} = 274.91, df = 14 (p < 0.01) Test for subgroup differences (random effects): χ^2_{14} = 265.43, df = 14 (p < 0.01)



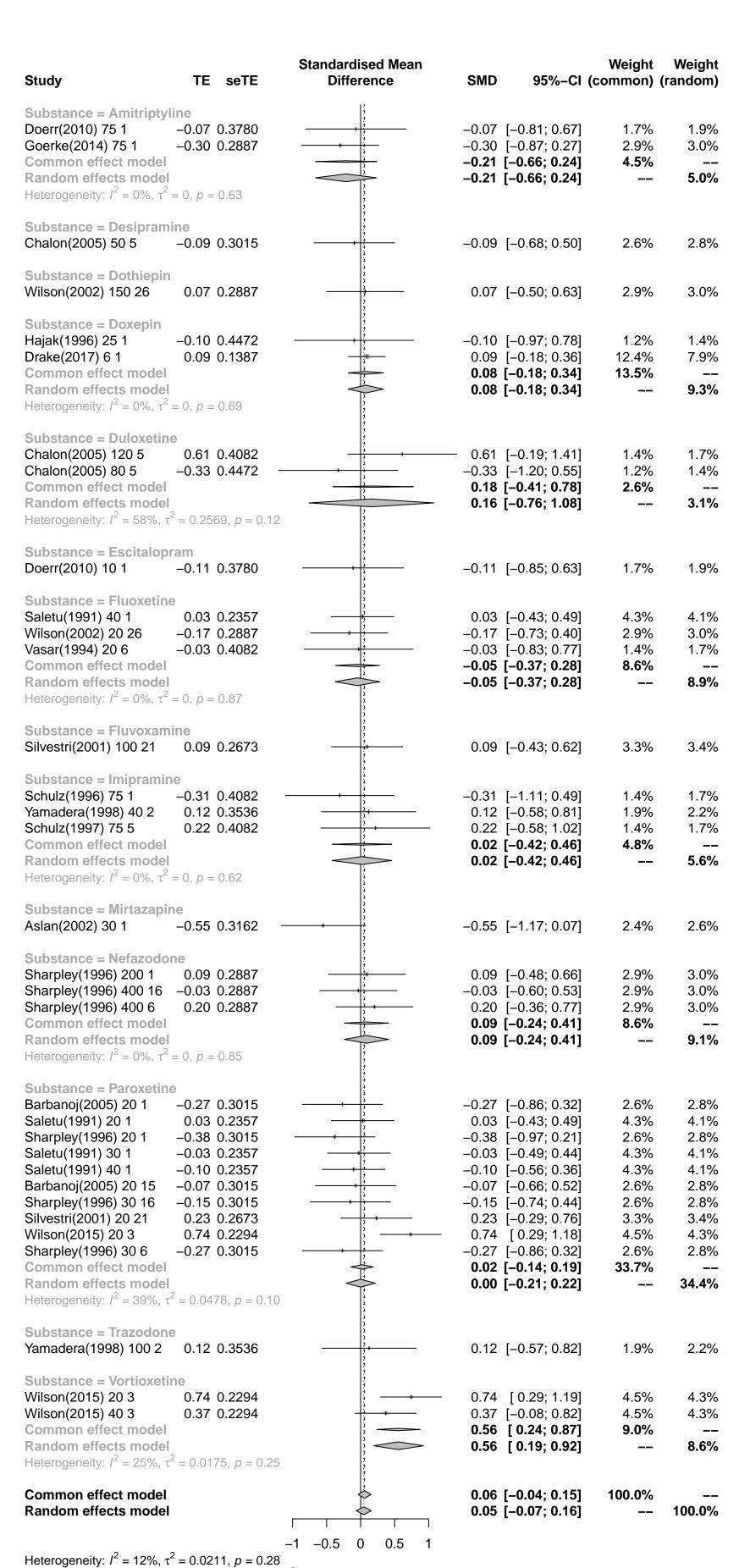




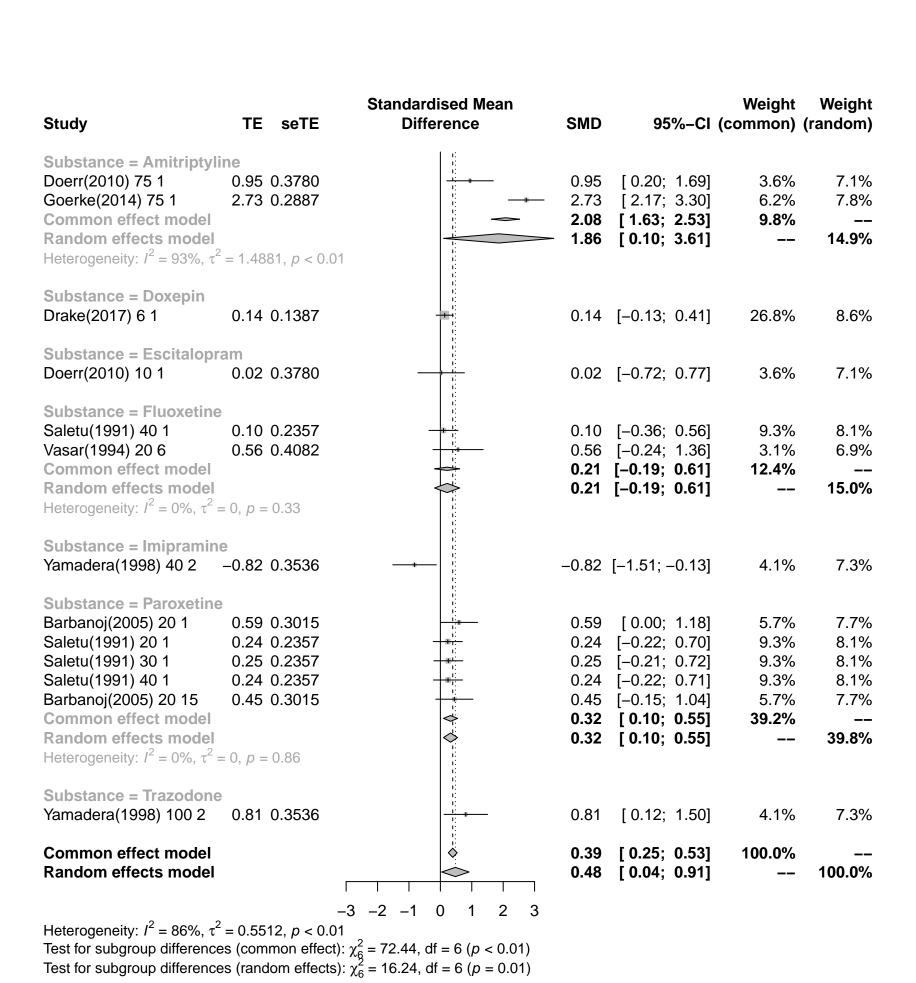
Study	TE	seTE	Standardised Mean Difference	SMD	95%-CI	Weight (common)	_
Substance = Dothiepin Wilson(2002) 150 26	0.06	0.2887		0.06	[-0.50; 0.63]	4.7%	5.3%
Wilson(2002) 20 26	-0.05 -0.07 -0.04	0.2357 0.2887 0.4082		-0.07 -0.04 -0.06	[-0.51; 0.41] [-0.63; 0.50] [-0.84; 0.76] [-0.38; 0.27] [-0.38; 0.27]	4.7% 2.3% 14.1%	5.4% 5.3% 5.0% 15.6%
Substance = Mirtazapin Aslan(2002) 30 1		0.3162		0.69	[0.07; 1.31]	3.9%	5.2%
Sharpley(1996) 400 16	-2.15 -1.36 -2.81	0.3015	.01	-1.36 -2.81 -2.11	[-2.74; -1.56] [-1.95; -0.77] [-3.40; -2.22] [-2.45; -1.77] [-2.93; -1.29]	4.3% 4.3% 12.9%	5.2% 5.2% 5.2% 15.7%
Saletu(1991) 20 1 Sharpley(1996) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Barbanoj(2005) 20 15 Sharpley(1996) 30 16 Wilson(2015) 20 3	-1.23 -0.29 -2.90 -0.31 -0.40 -0.29 -2.74 -0.25 -3.33	0.3015 0.2357 0.3086 0.2357 0.3015 0.3086 0.2294 0.3086	*	-0.29 -2.90 -0.31 -0.40 -0.29 -2.74 -0.25 -3.33 -1.06	[-1.82; -0.64] [-0.76; 0.17] [-3.51; -2.30] [-0.77; 0.15] [-0.86; 0.06] [-0.88; 0.30] [-3.34; -2.14] [-0.70; 0.20] [-3.93; -2.72] [-1.23; -0.88] [-2.14; -0.44]	4.1% 7.4%	5.2% 5.4% 5.4% 5.4% 5.2% 5.2% 5.2% 5.2%
Substance = Vortioxetin Wilson(2015) 20 3 Wilson(2015) 40 3 Common effect model Random effects model Heterogeneity: $l^2 = 53\%$, τ^2	-0.35 0.12	0.2294 0.2294 603, p = 0	.14	0.12 -0.11	[-0.80; 0.10] [-0.33; 0.57] [-0.43; 0.20] [-0.58; 0.35]		5.4% 5.4% 10.7%
Common effect model Random effects model			♦		[-0.91; -0.67] [-1.48; -0.37]	100.0% 	 100.0%
	es (com	nmon effe	$-2 0 2$.01 ct): $\chi_5^2 = 133.72$, df = 5 ($p < 0.01$) ts): $\chi_5^2 = 36.76$, df = 5 ($p < 0.01$)				

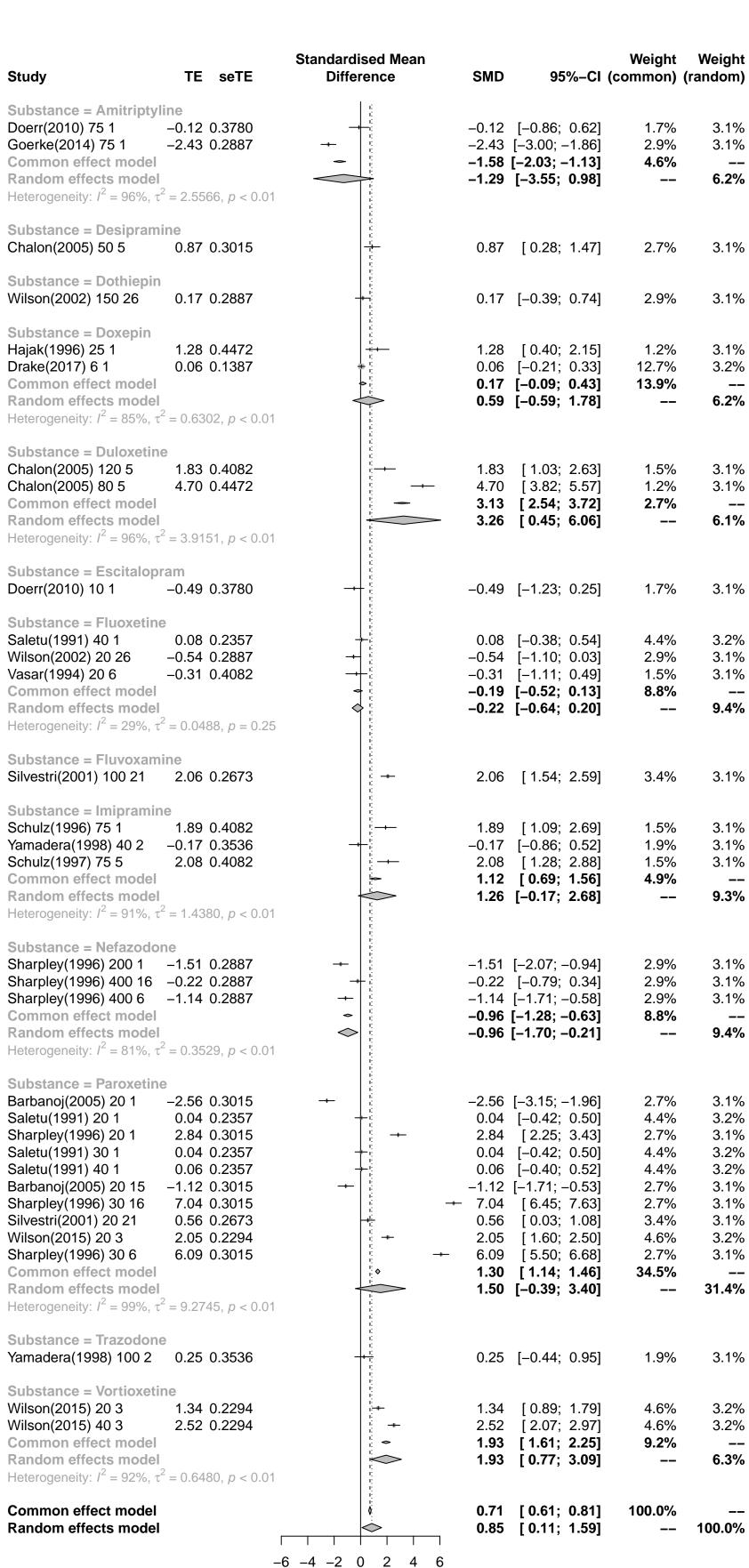


Study	TE	seTE		ised Mean erence	SMD	95	%–CI	Weight (common)	_
•		33.1	,	1	02		,, .	(00)	(1011010111)
Substance = Dothiepin Wilson(2002) 150 26		0.2887	**************************************	+	-0.21	[-0.78;	0.35]	4.9%	5.6%
Substance = Fluoxetine Saletu(1991) 40 1 Wilson(2002) 20 26 Vasar(1994) 20 6 Common effect model Random effects model Heterogeneity: $I^2 = 89\%$, τ^2	-0.30 0.75 -1.29	0.2357 0.2887 0.4082 99, p < 0.01		**************************************	0.75 -1.29 -0.11	[-0.76; [0.18; [-2.09; - [-0.44; [-1.38;	1.31] -0.49] 0.21]	4.9% 2.4% 14.7%	5.6% 5.6% 5.5% —— 16.6%
Substance = Nefazodo Sharpley(1996) 200 1 Sharpley(1996) 400 16 Sharpley(1996) 400 6 Common effect model Random effects model Heterogeneity: $I^2 = 41\%$, τ^2	-0.16 0.60 0.06	0.3015 0.3015 0.3015))))) () () ()	+ + •	0.60 0.06 0.17	[-0.75; [0.01; [-0.53; [-0.17; [-0.28;	1.19] 0.65] 0.51]	4.5% 4.5% 13.4%	5.5% 5.5% 5.5% 16.6%
Substance = Paroxetine Barbanoj(2005) 20 1 Saletu(1991) 20 1 Sharpley(1996) 20 1 Saletu(1991) 30 1 Saletu(1991) 40 1 Barbanoj(2005) 20 15 Sharpley(1996) 30 16 Wilson(2015) 20 3 Sharpley(1996) 30 6 Common effect model Random effects model Heterogeneity: I ² = 99%, T	-3.04 -0.84 -4.40 -1.03 -1.29 -1.62 -6.88 -2.80 -7.80	0.3015 0.2357 0.3086 0.2357 0.3015 0.3086 +- 0.2294 0.3086 +-	+ ! ! + ! ! + ! ! ! ! ! ! ! ! ! ! ! ! !		-0.84 -4.40 -1.03 -1.29 -1.62 -6.88 -2.80 -7.80 -2.86	[-3.63; - [-1.30; - [-5.00; - [-1.49; - [-1.75; - [-2.21; - [-7.48; - [-3.25; - [-8.41; - [-3.03; - [-4.97; -	-0.37] -3.79] -0.57] -0.82] -1.03] -6.27] -2.35] -7.20]	7.3% 4.3% 7.3% 4.5% 4.3% 7.7% 4.3% 51.5%	5.5% 5.6% 5.6% 5.6% 5.5% 5.5% 5.6% 5.5%
Substance = Vortioxetic Wilson(2015) 20 3 Wilson(2015) 40 3 Common effect model Random effects model Heterogeneity: $I^2 = 96\%$, τ^2	-1.67 -3.36	0.2294 0.2294 75, <i>p</i> < 0.01	* * * * * * * * * * * * * * * * * * *		-3.36 -2.52 -2.52	[–2.12; – [–3.81; – [–2.83 ; – [–4.17 ; –	-2.91] - 2.20] - 0.86]	7.7% 15.5% 	5.6% 5.6% 11.2%
Common effect model Random effects model						[–1.99; – [–3.07; –	_	100.0% 	 100.0%
Heterogeneity: $I^2 = 98\%$, τ^2 Test for subgroup difference. Test for subgroup difference.	es (com	mon effect): χ	$\frac{2}{4} = 420.45, $						

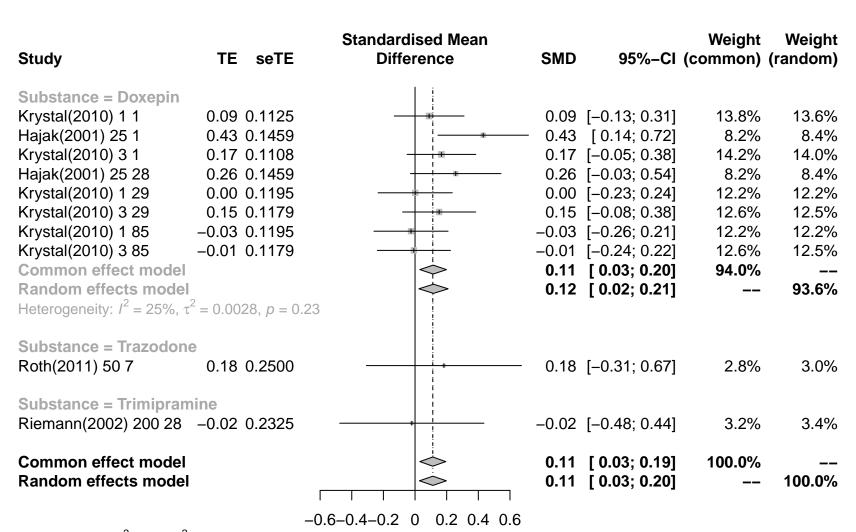


Test for subgroup differences (common effect): χ^2_{13} = 15.90, df = 13 (p = 0.25) Test for subgroup differences (random effects): χ^2_{13} = 13.39, df = 13 (p = 0.42)

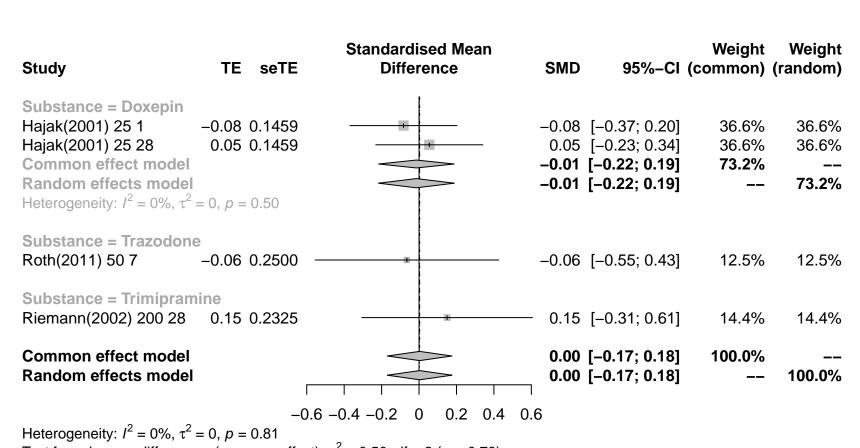




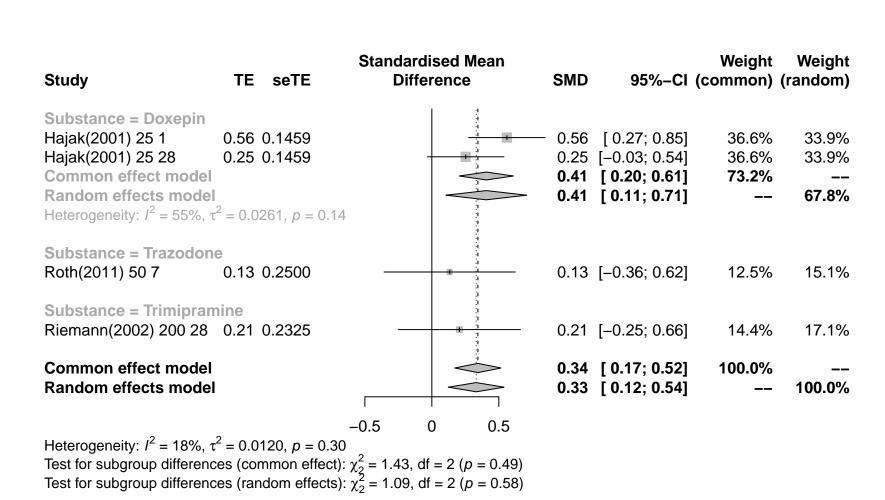
Heterogeneity: I^2 = 98%, τ^2 = 4.4826, p < 0.01 Test for subgroup differences (common effect): χ^2_{12} = 460.78, df = 12 (p < 0.01) Test for subgroup differences (random effects): χ^2_{12} = 83.93, df = 12 (p < 0.01)

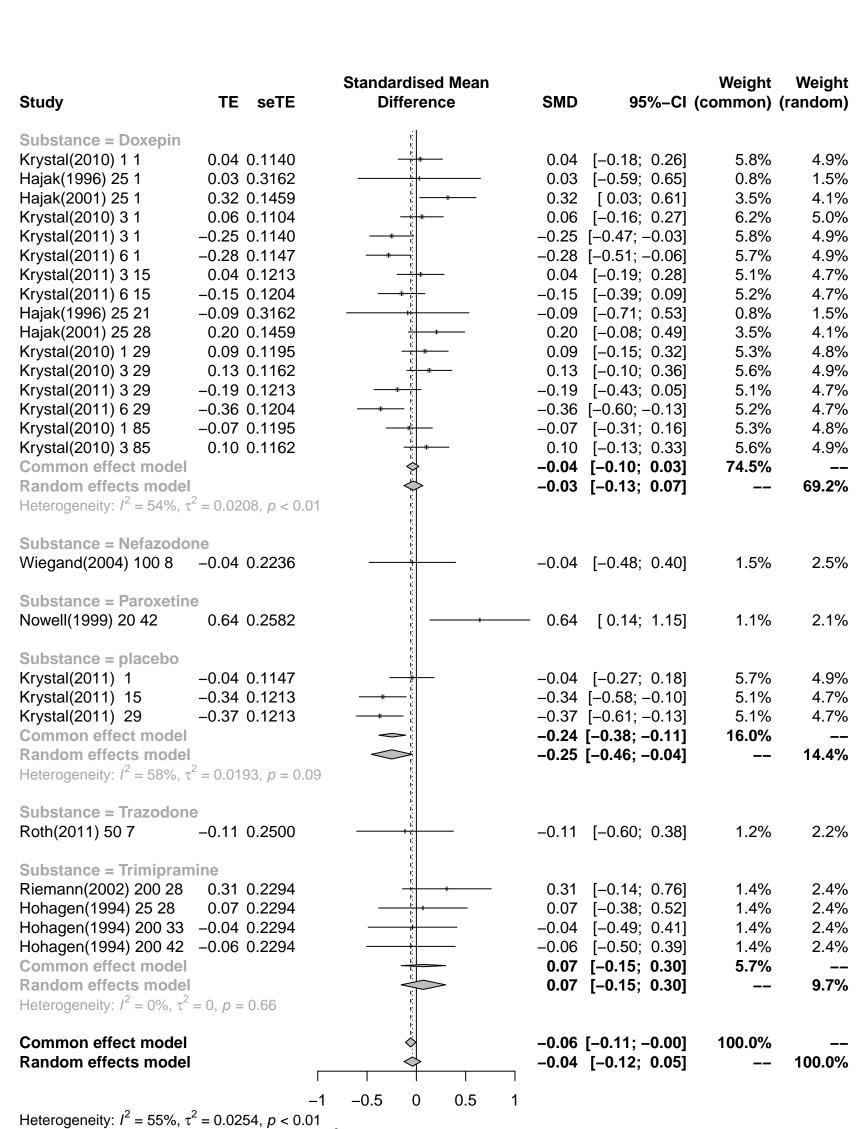


Heterogeneity: $I^2 = 8\%$, $\tau^2 = 0.0012$, p = 0.37Test for subgroup differences (common effect): $\chi^2_2 = 0.41$, df = 2 (p = 0.82) Test for subgroup differences (random effects): $\chi^2_2 = 0.41$, df = 2 (p = 0.81)

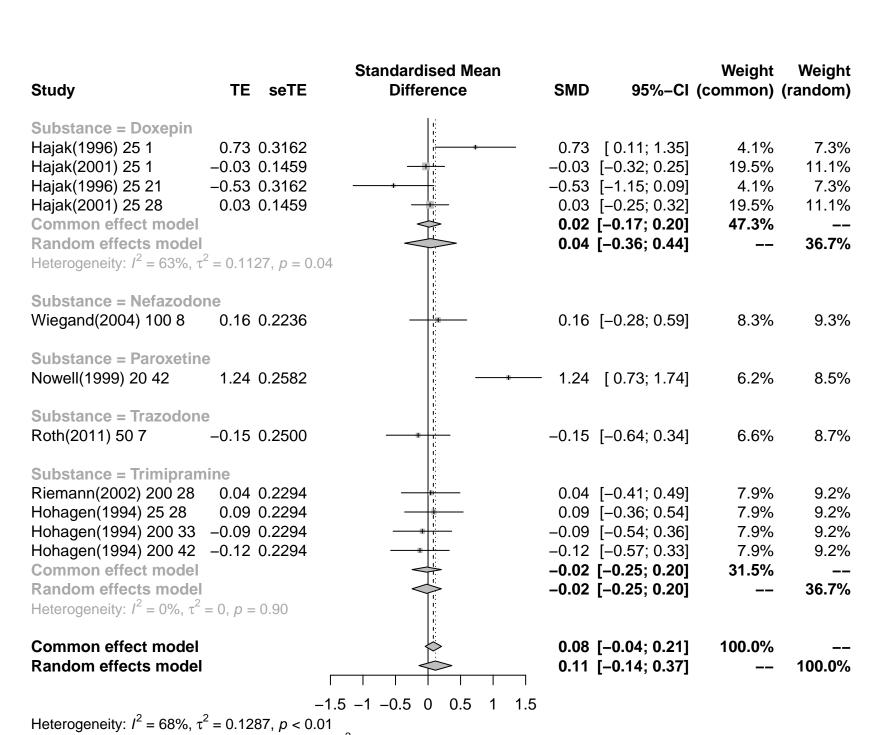


Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, p = 0.81Test for subgroup differences (common effect): $\chi_2^2 = 0.50$, df = 2 (p = 0.78) Test for subgroup differences (random effects): $\chi_2^2 = 0.50$, df = 2 (p = 0.78)

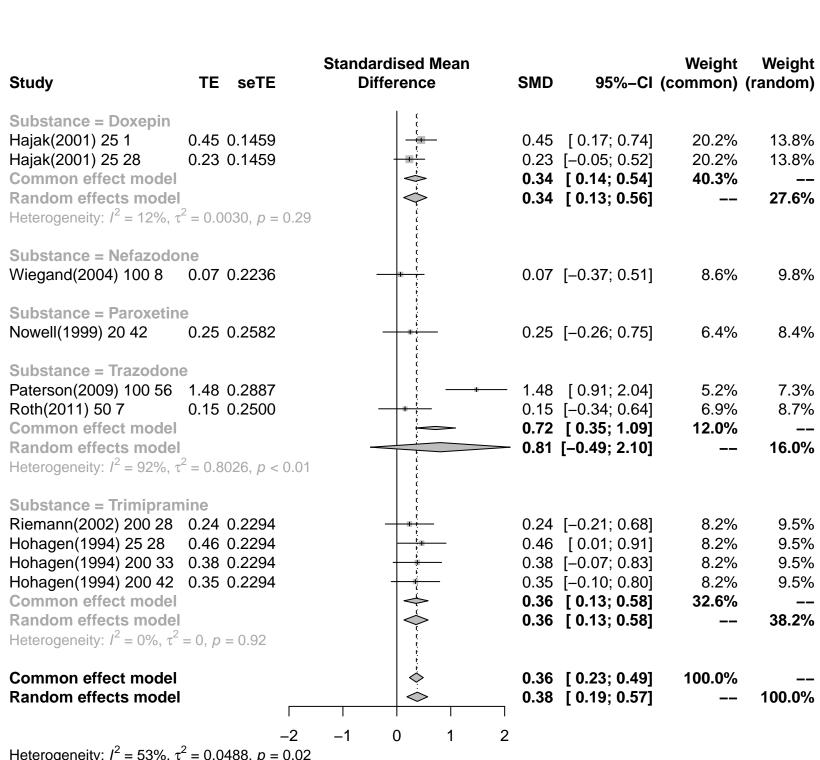




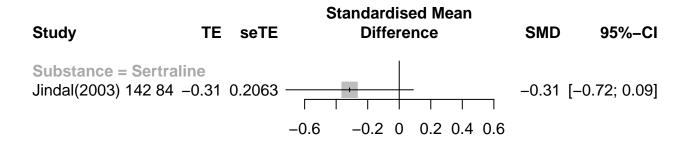
Test for subgroup differences (common effect): $\chi_5^2 = 16.52$, df = 5 (p < 0.01) Test for subgroup differences (random effects): $\chi_5^2 = 11.97$, df = 5 (p = 0.04)

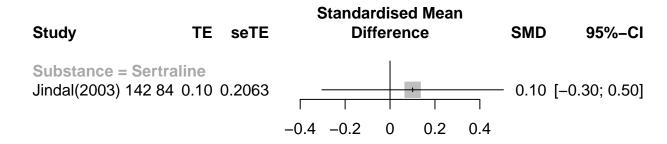


Test for subgroup differences (common effect): $\chi_4^2 = 22.26$, df = 4 (p < 0.01) Test for subgroup differences (random effects): $\chi_4^2 = 21.57$, df = 4 (p < 0.01)

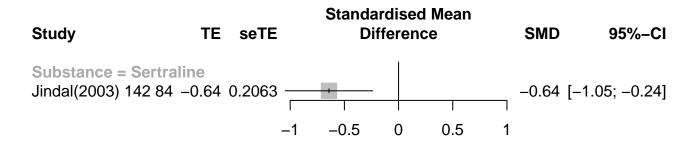


Heterogeneity: I^2 = 53%, τ^2 = 0.0488, p = 0.02 Test for subgroup differences (common effect): χ_4^2 = 5.54, df = 4 (p = 0.24) Test for subgroup differences (random effects): χ_4^2 = 2.02, df = 4 (p = 0.73)

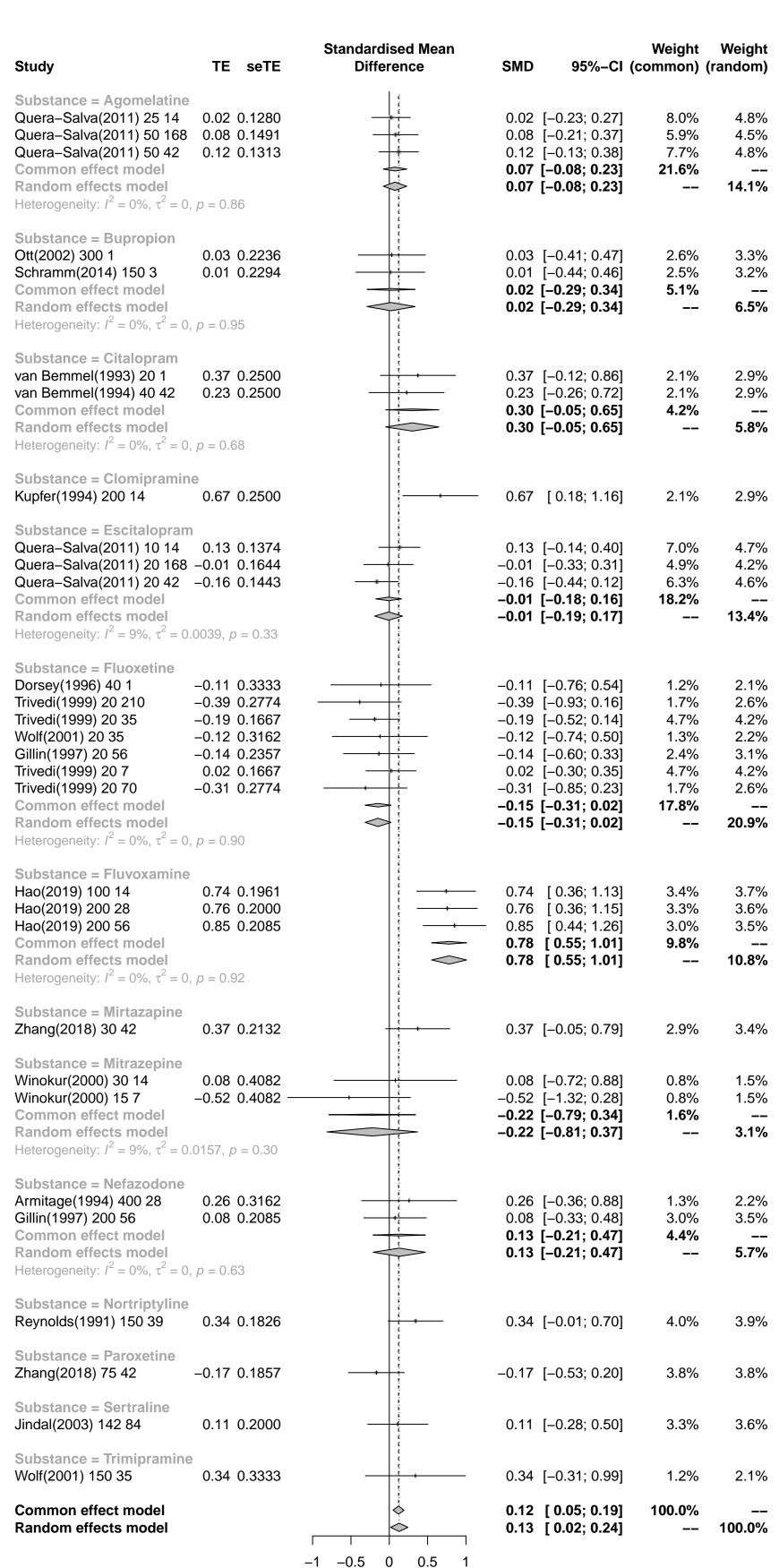




Depressed Population REMpressure vs Placebo



Study	[TE seTE	Depressed Population continuit Standardised Mean Difference SMI		Weight (common)	_
Substance = Agomelatine Quera-Salva(2011) 25 14 Quera(2007) 25 14 Quera-Salva(2011) 50 168 Quera(2007) 25 42 Quera-Salva(2011) 50 42 Mi(2020) 25 54 Mi(2020) 25 7 Quera(2007) 25 7 Common effect model Random effects model Heterogeneity: $I^2 = 97\%$, $\tau^2 = 1$	-0.05 0.1280 0.28 0.2582 0.00 0.1491 0.51 0.2774 -0.06 0.1313 3.26 0.2582 2.24 0.2582 0.46 0.2582	0.2 0.0 0.5 0.5 -0.0 + 3.2 + 2.2 + 0.4 • 0.4	0 [-0.29; 0.29] 1 [-0.04; 1.05] 6 [-0.32; 0.19] 6 [2.75; 3.77] 4 [1.73; 2.74] 6 [-0.04; 0.97]	1.3% 3.8% 1.1% 4.9% 1.3% 1.3% 1.3%	1.5% 1.6% 1.5% 1.6% 1.5%
Substance = Bupropion Ott(2002) 300 1 Schramm(2014) 150 3 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.05 0.2236 -0.01 0.2294 p = 0.90	-0.0 - 0.0	5 [-0.49; 0.39] 1 [-0.46; 0.44] 3 [-0.34; 0.29] 3 [-0.34; 0.29]	1.6% 3.3%	1.6% 1.6% 3.1%
Substance = Citalopram van Bemmel(1993) 20 1 van Bemmel(1994) 40 42 Göder(2011) 18 7 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.10 0.2500 0.02 0.2500 0.00 0.2774 $\rho = 0.94$	0.0 0.0 	0 [-0.59; 0.39] 2 [-0.47; 0.51] 0 [-0.54; 0.55] 3 [-0.32; 0.26] 3 [-0.32; 0.26]	1.3% 1.1% 3.8%	1.5% 1.5% 1.5% 4.6%
Substance = Clomipramine Kupfer(1994) 200 14	-0.35 0.2500	-0.3	5 [-0.84; 0.14]	1.3%	1.5%
Substance = Doxepin Roth(1982) 150 15 Roth(1982) 150 29 Roth(1982) 75 8 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	$-0.51 ext{ } 0.3333 $ $-0.89 ext{ } 0.3333 $ $-0.70 ext{ } 0.3333 $ $\rho = 0.73$	-0.8 -1 -0.7 -0.7	1 [-1.16; 0.14] 9 [-1.54; -0.23] 0 [-1.35; -0.04] 0 [-1.07; -0.32] 0 [-1.07; -0.32]	0.8% 0.8% 2.3%	1.5% 1.5% 1.5% 4.5%
Substance = Duloxetine Kluge(2007) 60 10	0.05 0.3162	0.0	5 [-0.57; 0.67]	0.8%	1.5%
Substance = Escitalopram Quera-Salva(2011) 10 14 Quera-Salva(2011) 20 168 Quera-Salva(2011) 20 42 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.01 0.1374 -0.03 0.1644 -0.01 0.1443	-0.0 -0.0 - 0.0	1 [-0.28; 0.26] 3 [-0.35; 0.30] 1 [-0.29; 0.27] 1 [-0.18; 0.15] 1 [-0.18; 0.15]	3.1% 4.0% 11.6%	1.6%
Substance = Fluoxetine Dorsey(1996) 40 1 Winokur(2003) 20 14 Trivedi(1999) 20 210 Trivedi(1999) 20 35 Wolf(2001) 20 35 Wolf(2001) 20 35 Gillin(1997) 20 56 Winokur(2003) 40 56 Trivedi(1999) 20 7 Winokur(2003) 20 7 Trivedi(1999) 20 70 Hendrickse(1994) 40 84 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.10 0.3333 0.06 0.3015 0.07 0.2774 -0.10 0.1667 0.02 0.3162 0.19 0.2357 0.02 0.3015 -0.03 0.1667 -0.13 0.3015 -0.10 0.2774 -0.03 0.3333	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 [-0.75; 0.55] 6 [-0.53; 0.65] 7 [-0.48; 0.61] 9 [-0.43; 0.22] 12 [-0.60; 0.64] 19 [-0.27; 0.66] 12 [-0.57; 0.61] 13 [-0.36; 0.30] 13 [-0.72; 0.47] 15 [-0.65; 0.44] 16 [-0.69; 0.62] 17 [-0.13] 18 [-0.17; 0.13]	0.9% 1.1% 3.0% 0.8% 1.5% 0.9% 3.0% 0.9% 1.1% 0.8% 14.9%	1.6%
Substance = Fluvoxamine Hao(2019) 100 14 Hao(2019) 200 28 Hao(2019) 200 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.30 0.1961 -0.42 0.2000 -0.41 0.2085 p = 0.89	-0.4 -0.4 -0.3	0 [-0.68; 0.09] 2 [-0.82; -0.03] 1 [-0.82; 0.00] 8 [-0.60; -0.15] 8 [-0.60; -0.15]	2.1% 1.9% 6.2%	1.6% 1.6% 1.6% 4.7%
Substance = Imipramine Sonntag(1996) 150 2 Sonntag(1996) 150 28 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.06 0.3333 0.15 0.3333 p = 0.85	0.1 + 0.1	6 [-0.59; 0.72] 5 [-0.50; 0.81] 1 [-0.35; 0.57] 1 [-0.35; 0.57]	0.8% 1.5%	1.5% 1.5% 3.0%
Substance = Mirtazapine Winokur(2003) 30 14 Zhang(2018) 30 42 Mi(2020) 30 54 Winokur(2003) 45 56 Mi(2020) 30 7 Winokur(2003) 30 7 Common effect model Random effects model Heterogeneity: $I^2 = 100\%$, $\tau^2 = 100\%$	0.14 0.3333 -0.35 0.2132 2.49 0.2582 0.02 0.3333 9.24 0.2582 0.09 0.3333	-0.3 + 2.4 - 0.0 + 9.2 - 0.0 2.1 - 1.9	2 [-0.64; 0.67]	1.8% 1.3% 0.8% 1.3% 0.8% 6.6%	1.5%
Substance = Moclobemide Monti(1990) 300 21 Monti(1990) 300 30 Monti(1990) 150 7 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	-0.46 0.3536 -0.55 0.3536 -0.30 0.3536	-0.5 -0.3 -0.4	6 [-1.15; 0.23] 5 [-1.24; 0.14] 0 [-0.99; 0.40] 4 [-0.84; -0.04] 4 [-0.84; -0.04]	0.7% 0.7% 2.0%	1.5% 1.5% 1.5% 4.5%
Substance = Nefazodone Argyropoulos(2003d) 500 10 Armitage(1994) 400 28 Argyropoulos(2003d) 500 3 Gillin(1997) 200 56 Argyropoulos(2003d) 500 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.28 0.3162 0.11 0.2236 0.04 0.2085 0.01 0.2236	+ 0.1 	B [-0.34; 0.90]	0.8% 1.7% 1.9% 1.7% 7.8%	
Substance = Nortriptyline Reynolds(1991) 150 39	0.25 0.1826	0.2	5 [–0.11; 0.61]	2.5%	1.6%
Substance = Paroxetine Argyropoulos(2003b) 30 10 Argyropoulos(2003) 30 3 Zhang(2018) 75 42 Argyropoulos(2003c) 30 56 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.03 0.2236 -0.04 0.2236 -0.19 0.1857 0.21 0.2236 $\rho = 0.58$	-0.0 -0.1 -0.2 - 0.0	3 [-0.41; 0.47] 4 [-0.48; 0.40] 9 [-0.56; 0.17] 1 [-0.23; 0.65] 2 [-0.23; 0.19] 2 [-0.23; 0.19]	1.7% 2.4% 1.7% 7.5%	1.6% 1.6% 1.6% 1.6% 6.3%
Substance = Reboxetine Göder(2011) 6 7	0.23 0.2673	0.2	3 [-0.29; 0.76]	1.2%	1.5%
Substance = Sertraline Jindal(2003) 142 84 Substance = Trazodone	0.09 0.2000	0.0	9 [–0.30; 0.48]	2.1%	1.6%
Scharf(1990) 150 1 Scharf(1990) 300 14 Scharf(1990) 300 35 Scharf(1990) 250 7 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.08 0.4082 -0.11 0.4082 0.03 0.4082 0.01 0.4082 p = 0.99	-0.1 	3 [-0.72; 0.88] 1 [-0.91; 0.69] 3 [-0.77; 0.83] 1 [-0.79; 0.81] 0 [-0.40; 0.40] 0 [-0.40; 0.40]	0.5% 0.5% 0.5% 2.0%	
Substance = Trimipramine Sonntag(1996) 200 2 Sonntag(1996) 200 28 Wolf(2001) 150 35 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$,	0.00 0.3015 0.02 0.3015 0.17 0.3333 p = 0.92	0.0 0.1 0.0	0 [-0.59; 0.59] 2 [-0.57; 0.61] 7 [-0.48; 0.83] 6 [-0.29; 0.41] 6 [-0.29; 0.41]	0.9% 0.8% 2.6%	1.5% 1.5% 1.5% 4.6%
Common effect model Random effects model		l.	3 [0.12; 0.24] 3 [-0.09; 0.54]		 100.0%



Heterogeneity: I^2 = 55%, τ^2 = 0.0533, p < 0.01 Test for subgroup differences (common effect): χ^2_{13} = 57.78, df = 13 (p < 0.01) Test for subgroup differences (random effects): χ^2_{13} = 57.32, df = 13 (p < 0.01)

Subdy II service Difference SIND 99%-CC (comming) (emology) Difference Committee		[epressed Popu	llation REMpressu	е		
Compact Comp	Study	TE se			95%-CI	_	Weight (random)
Common effect model	Quera-Salva(2011) 25 14 Quera(2007) 25 14 Quera-Salva(2011) 50 168 Quera(2007) 25 42 Quera-Salva(2011) 50 42 Quera(2007) 25 7 Common effect model Random effects model	0.03 0.258 -0.01 0.149 -0.02 0.27 -0.07 0.13 -0.42 0.258	32 — 31 — 32 — 32 — 32 — 32 — 32 — 32 —	0.03 -0.01 -0.02 -0.07 -0.42 -0.07	[-0.47; 0.54] [-0.30; 0.28] [-0.57; 0.52] [-0.33; 0.19] [-0.92; 0.09] [-0.20; 0.07]	1.3% 3.9% 1.1% 5.1% 1.3% 18.1%	2.0% 1.6% 1.9% 1.6% 2.0% 1.6% ——
sun Bernmei (1982) 201 1	Substance = Bupropion Ott(2002) 300 1 Schramm(2014) 150 3 Common effect model Random effects model	-0.03 0.223 0.22 0.229		0.22 0.09	[-0.23; 0.67] [-0.22; 0.41]	1.7% 3.4%	1.7% 1.7% 3.4%
Supplement Company C	van Bemmel(1993) 20 1 van Bemmel(1994) 40 42 Göder(2011) 18 7 Common effect model Random effects model	0.29 0.250 1.00 0.27	00 -	0.29 1.00 0.34 0.37	[-0.20; 0.78] [0.45; 1.54] [0.05 ; 0.63]	1.4% 1.1% 3.9%	1.7% 1.7% 1.6% 4.9%
Substance = Discostine Notification of the Technology and Cover-Subsideal 19 of 14 of 20 of 1974 Cover-Subsideal 19 of 10 of 10 of 20 of 1974 Cover-Subsideal 19 of 10 of 10 of 20 of 1974 Cover-Subsideal 19 of 10 of 10 of 20 of 1974 Cover-Subsideal 19 of 10 of 10 of 20 of 1974 Cover-Subsideal 19 of 10 of 10 of 20 of 1974 Cover-Subsideal 19 of 10	-		00	-0.29	[-0.78; 0.20]	1.4%	1.7%
Carons-ShedopPri) 10 14		1.71 0.310	32	11	[1.09; 2.33]	0.9%	1.4%
Densey(1909). 401 (0.00 0.3333	Quera-Salva(2011) 10 14 Quera-Salva(2011) 20 168 Quera-Salva(2011) 20 42 Common effect model Random effects model	0.02 0.13 0.26 0.16 0.13 0.14	14	0.26 0.13 0.13	[-0.06; 0.59] [-0.15; 0.42] [-0.04; 0.29]	3.2% 4.2% 12.1%	2.0% 1.9% 2.0% 5.8%
Substance = Fluvoramine holo/2019) 1001 4	Dorsey(1996) 40 1 Winokur(2003) 20 14 Trivedi(1999) 20 210 Trivedi(1999) 20 35 Wolf(2001) 20 35 Wolf(2001) 20 35 Gillin(1997) 20 56 Winokur(2003) 40 56 Trivedi(1999) 20 7 Winokur(2003) 20 7 Trivedi(1999) 20 70 Hendrickse(1994) 40 84 Common effect model Random effects model	0.87 0.30 0.63 0.27 0.26 0.16 0.00 0.31 0.22 0.23 0.65 0.30 0.09 0.16 0.58 0.30 0.52 0.27 0.70 0.33	15 74 67 	0.87 0.63 0.26 0.00 0.22 0.65 0.09 0.58 0.52 0.70 0.39 0.44	[0.28; 1.46] [0.09; 1.18] [-0.07; 0.58] [-0.62; 0.62] [-0.24; 0.68] [0.06; 1.24] [-0.24; 0.41] [-0.01; 1.17] [-0.02; 1.07] [0.05; 1.35] [0.24; 0.54]	1.0% 1.1% 3.1% 0.9% 1.6% 1.0% 3.1% 1.0% 1.1% 0.8% 15.5%	1.4% 1.5% 1.6% 1.9% 1.4% 1.5% 1.5% 1.5% 1.5% 1.4% 17.3%
Somrag(1989) (1902 0.54 0.3333 0.54 -0.11; 1.19]	Hao(2019) 100 14 Hao(2019) 200 28 Hao(2019) 200 56 Common effect model Random effects model	0.05 0.200 0.02 0.200	00 —	0.04 0.05 0.02 0.04	[-0.34; 0.44] [-0.39; 0.43] [-0.19; 0.27]	2.2% 2.0% 6.5%	1.8% 1.8% 1.8% 5.4%
Winokur(2003) 30 14	Sonntag(1996) 150 2 Sonntag(1996) 150 28 Common effect model Random effects model	0.42 0.33		0.42 0.48 0.48	[-0.24; 1.07] [0.02 ; 0.94]	0.8% 1.6%	1.4% 1.4% 2.8%
Winokur(2000) 50 14 0.24 0.4082 0.24 −0.56 1.04 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 −0.76 0.84 0.5% 1.2% 0.04 0.04 0.5% 1.3% 0.04	Winokur(2003) 30 14 Zhang(2018) 30 42 Winokur(2003) 45 56 Winokur(2003) 30 7 Common effect model Random effects model	0.32 0.21; 0.21 0.33; 0.12 0.33;	32 33 —	0.32 0.21 0.12 0.28	[-0.10; 0.74] [-0.44; 0.86] [-0.53; 0.77] [0.00 ; 0.56]	1.9% 0.8% 0.8% 4.3%	1.4% 1.8% 1.4% 1.4% 5.9%
Monit(1989) 300 19	Winokur(2000) 30 14 Winokur(2000) 15 7 Common effect model Random effects model	0.04 0.408		0.24 0.04 0.14	[-0.76; 0.84] [-0.42; 0.71]	0.5% 1.0%	1.2% 1.2% 2.4%
Argyropoulos(2003d) 500 10 −0.31 0.2236 Argyropoulos(2003d) 500 3 −0.42 0.2236 Argyropoulos(2003d) 500 3 −0.42 0.2236 Argyropoulos(2003d) 500 6 −0.03 0.2085 —0.08 [−0.49; 0.32] 1.7% Argyropoulos(2003d) 500 6 −0.03 0.2085 —0.08 [−0.49; 0.32] 2.0% Common effect model Heterogeneity: ℓ² = 0%, τ² = < 0.0001, ρ = 0.50 Substance = Nortriptyline Reynolds(1991) 150 39 Substance = Paroxetine Argyropoulos(2003d) 30 3 1 .69 0.2236 Argyropoulos(2003d) 30 10 I 1.20 0.236 Argyropoulos(2003d) 30 3 1 .69 0.2236 Argyropoulos(2003d) 30 10 I 1.20 0.236 Argyropoulos(2003d) 30 10 I 1.20 0.236 Argyropoulos(2003d) 30 10 I 1.20 0.236 I 1.80 0.37 0.2673 I 1.81 0.07 1.641 I 1.7% I 1.7	Monti(1989) 300 19 Monti(1990) 300 21 Monti(1990) 300 30 Monti(1989) 300 31 Monti(1989) 150 4 Monti(1990) 150 7 Common effect model Random effects model	1.16 0.310 1.09 0.353 1.11 0.353 1.09 0.310 1.48 0.310 1.31 0.353	36 36 32 32	1.09 1.11 1.09 1.09 1.48 1.31 1.21	[0.40; 1.78] [0.42; 1.80] [0.47; 1.71] [0.86; 2.10] [0.62; 2.01] [0.94; 1.48]	0.7% 0.7% 0.9% 0.9% 0.7% 4.7%	1.4% 1.3% 1.3% 1.4% 1.4% 1.3%
Substance = Paroxetine Argyropoulos(2003b) 30 10	Argyropoulos(2003d) 500 10 Armitage(1994) 400 28 Argyropoulos(2003d) 500 3 Gillin(1997) 200 56 Argyropoulos(2003d) 500 56 Common effect model Random effects model	0.21 0.310 -0.42 0.223 -0.08 0.208 -0.32 0.223	62	0.21 -0.42 -0.08 -0.32 -0.22	[-0.41; 0.83] [-0.85; 0.02] [-0.49; 0.32] [-0.76; 0.12] [-0.43; -0.02]	0.9% 1.7% 2.0% 1.7% 8.1%	1.7% 1.4% 1.7% 1.8% 1.7% 8.4%
Argyropoulos(2003b) 30 10		0.14 0.182	26 -	0.14	[-0.22; 0.49]	2.6%	1.9%
Göder(2011) 6 7 0.37 0.2673 0.37 [-0.15; 0.90] 1.2% 1.6% Substance = Sertraline Jindal(2003) 142 84 0.51 0.2000 0.51 [0.12; 0.90] 2.2% 1.8% Substance = Trazodone Scharf(1990) 150 1 0.21 0.4082 0.39 [-0.41; 1.19] 0.5% 1.2% Scharf(1990) 300 35 0.29 0.4082 0.39 [-0.41; 1.19] 0.5% 1.2% Scharf(1990) 250 7 -0.06 0.4082 0.29 [-0.51; 1.09] 0.5% 1.2% Scharf(1990) 250 7 -0.06 0.4082 0.21 [-0.19; 0.61] 2.1% 4.7% Common effect model Heterogeneity: $l^2 = 0\%$, $\tau^2 = 0$, $\rho = 0.88$ Substance = Trimipramine Sonntag(1996) 200 2 -0.37 0.3015 Sonntag(1996) 200 28 -0.10 0.3015 Outline Substance = Trimipramine Sonntag(1996) 200 28 -0.10 0.3015 Outline Substance = Trimipramine Sonntag(1996) 200 28 -0.10 0.3015 Outline Substance = Trimipramine Sonntag(1996) 200 28 -0.10 0.3015 Outline Substance = Trimipramine Sonntag(1996) 200 28 -0.10 0.3015 Outline Outline	Argyropoulos(2003b) 30 10 Argyropoulos(2003) 30 3 Zhang(2018) 75 42 Argyropoulos(2003c) 30 56 Common effect model Random effects model	1.69 0.223 0.33 0.185 1.45 0.223	36 57 36	1.69 0.33 1.45 1.08	[1.25; 2.12] [-0.04; 0.69] [1.02; 1.89] [0.87; 1.29]	1.7% 2.5% 1.7% 7.8%	1.7% 1.7% 1.8% 1.7% —— 7.0%
Substance = Sertraline Jindal(2003) 142 84 $0.51\ 0.2000$ $0.51\ [0.12;\ 0.90]$ $2.2\%\ 1.8\%$ Substance = Trazodone Scharf(1990) 150 1 $0.21\ 0.4082$ $0.21\ [-0.59;\ 1.01]$ $0.5\%\ 1.2\%$ Scharf(1990) 300 14 $0.39\ 0.4082$ $0.39\ [-0.41;\ 1.19]$ $0.5\%\ 1.2\%$ Scharf(1990) 250 7 $-0.06\ 0.4082$ $0.29\ [-0.51;\ 1.09]$ $0.5\%\ 1.2\%$ Common effect model $0.21\ [-0.19;\ 0.61]$ $0.5\%\ 1.2\%$ Random effects model $0.21\ [-0.19;\ 0.61]$ $0.21\ [-0.19;$		0.37 0.26	73	0.37	[-0.15; 0.90]	1.2%	1.6%
Substance = Trazodone 0.21 [-0.59; 1.01] 0.5% 1.2% Scharf(1990) 300 14 0.39 0.4082 0.39 [-0.41; 1.19] 0.5% 1.2% Scharf(1990) 300 35 0.29 0.4082 0.29 [-0.51; 1.09] 0.5% 1.2% Scharf(1990) 250 7 -0.06 0.4082 -0.06 [-0.86; 0.74] 0.5% 1.2% Common effect model 0.21 [-0.19; 0.61] 2.1% Random effects model 0.21 [-0.19; 0.61] 4.7% Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.88$ -0.10 [-0.96; 0.22] 1.0% 1.5% Sonntag(1996) 200 2 -0.37 0.3015 -0.10 [-0.69; 0.49] 1.0% 1.5% Sonntag(1996) 200 28 -0.10 0.3015 -0.10 [-0.69; 0.49] 1.0% 1.5% Common effect model -0.12 [-0.48; 0.23] 2.7% Random effects model -0.12 [-0.48; 0.23] 4.4% Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.51$ 0.26 [0.20; 0.32] 100.0%		0.51 0.200	00	0.51	[0.12; 0.90]	2.2%	1.8%
Sonntag(1996) 200 2 $-0.37 \ 0.3015$ $-0.37 \ [-0.96; \ 0.22]$ 1.0% 1.5% Sonntag(1996) 200 28 $-0.10 \ 0.3015$ $-0.10 \ [-0.69; \ 0.49]$ 1.0% 1.5% Wolf(2001) 150 35 $0.14 \ 0.3333$ $0.14 \ [-0.51; \ 0.80]$ 0.8% 1.4% Common effect model $-0.12 \ [-0.48; \ 0.23]$	Scharf(1990) 150 1 Scharf(1990) 300 14 Scharf(1990) 300 35 Scharf(1990) 250 7 Common effect model Random effects model	0.39 0.408 0.29 0.408 -0.06 0.408	32 -	0.21 0.39 0.29 -0.06 0.21	[-0.41; 1.19] [-0.51; 1.09] [-0.86; 0.74] [-0.19; 0.61]	0.5% 0.5% 0.5% 2.1%	1.2% 1.2% 1.2% 1.2% 4.7%
Common effect model 0.26 [0.20; 0.32] 100.0%	Sonntag(1996) 200 2 Sonntag(1996) 200 28 Wolf(2001) 150 35 Common effect model Random effects model	-0.37 0.30° -0.10 0.30° 0.14 0.33°	I5 - +	-0.10 0.14 	[-0.69; 0.49] [-0.51; 0.80] [-0.48; 0.23]	1.0% 0.8% 2.7%	1.5% 1.5% 1.4% 4.4%
				:	-		 100.0%

Heterogeneity: $I^2 = 76\%$, $\tau^2 = 0.2030$, p < 0.01Test for subgroup differences (common effect): $\chi^2_{18} = 197.15$, df = 18 (p < 0.01) Test for subgroup differences (random effects): $\chi^2_{18} = 140.51$, df = 18 (p < 0.01)

2