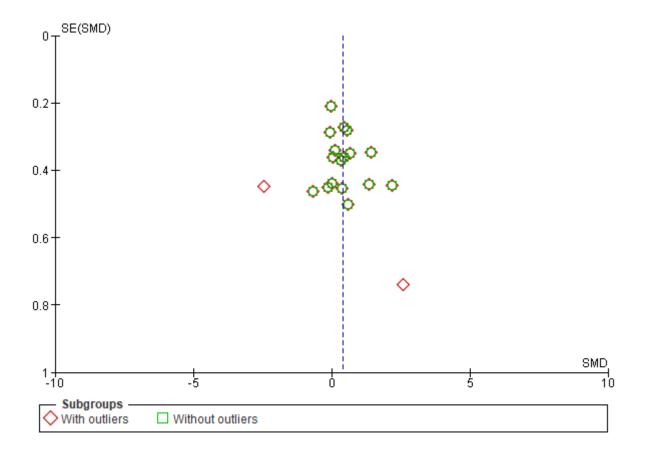
### SUPPLEMENTARY DIGITAL MATERIAL 4

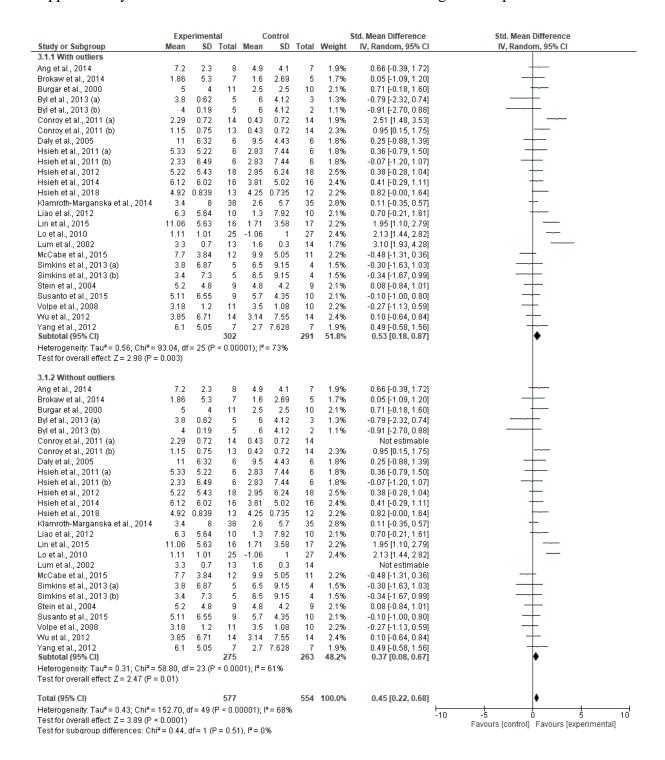
### Supplementary Table II.—4.1. RAT effect on motor function during subacute phase.

	Exp	erimenta	al		Control			Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
3.1.2 With outliers									
Aisen et al., 1997	14.1	9.7	10	10.1	11.63	10	2.5%	0.36 [-0.53, 1.24]	<del> </del>
Burgar et al., 2011 (a)	14.4	3.6	17	14	3.6	18	3.0%	0.11 [-0.55, 0.77]	+
Burgar et al., 2011 (b)	6.8	1.9	19	14	3.6	18	2.5%	-2.47 [-3.34, -1.59]	<del></del>
Daunoraviciene et al., 2016	12.99	1.95	17	9.7	0.77	17	2.5%	2.17 [1.30, 3.03]	<del></del>
Dehem et al., 2019	19.5	18.55	15	10.8	19.58	17	2.9%	0.44 [-0.26, 1.15]	<del> </del>
Hesse et al., 2005	16.7	12.35	21	3.1	5.25	22	2.9%	1.42 [0.74, 2.09]	<del></del>
Hesse et al., 2014	11.1	10.6	24	12	12.7	25	3.2%	-0.08 [-0.64, 0.48]	
Hsieh et al., 2016	11	8.22	16		12.25	15	2.9%	0.04 [-0.66, 0.75]	<del>_</del>
Lum et al., 2006	5.3	1.2	10	2.5	0.6	6	1.6%	2.58 [1.13, 4.02]	
Masiero et al., 2007	12.8	5.5	17	7.5	9.5	18	2.9%	0.66 [-0.02, 1.35]	<u></u>
Masiero et al., 2007 Masiero et al., 2011	7.33	4.7	11	7.37	7.3	10	2.6%		
· ·	11.66	5.35	14	7.37	10.3	16	2.8%	-0.01 [-0.86, 0.85]	
Masiero et al., 2014								0.31 [-0.41, 1.03]	<u> </u>
Orihuela-Espina et al., 2016	9.11	4.07	9	6.87	3.18	8	2.3%	0.58 [-0.40, 1.56]	
Rabadi et al., 2008	11.05	2.539		12.94	2.802	10	2.5%	-0.68 [-1.58, 0.23]	
Sale et al., 2013	17.18	10.27	9	19.5	16.66	11	2.5%	-0.16 [-1.04, 0.73]	
Sale et al., 2014	8.65	7.52	26	3.63	10.7	27	3.2%	0.53 [-0.02, 1.08]	
Tomic et al., 2017	18	9.4	13	7.5	5.5	13	2.6%	1.32 [0.46, 2.18]	
Volpe et al., 2000	5	2.5	30	4	2	26	3.2%	0.43 [-0.10, 0.96]	
Wolf et al., 2015	9.3	11.203	47	9.567	11.073	45	3.5%	-0.02 [-0.43, 0.39]	₹.
<b>Subtotal (95% CI)</b> Heterogeneity: Tau² = 0.55; CI			335			332	52.1%	0.36 [-0.02, 0.74]	▼
3.1.3 Without outliers Aisen et al., 1997	14.1	9.7	10	10.1	11.63	10	2.5%	0.36 [-0.53, 1.24]	
	14.1	3.6	17	14	3.6	18	3.0%		<u></u>
Burgar et al., 2011 (a) Burgar et al., 2011 (b)	6.8	1.9	19	14	3.6	18	3.070	0.11 [-0.55, 0.77]	
							2.50	Not estimable	
Daunoraviciene et al., 2016	12.99	1.95	17 15	9.7	0.77 19.58	17	2.5%	2.17 [1.30, 3.03]	<u>_</u>
Dehem et al., 2019	19.5	18.55		10.8		17	2.9%	0.44 [-0.26, 1.15]	<u> </u>
Hesse et al., 2005	16.7	12.35	21	3.1	5.25	22	2.9%	1.42 [0.74, 2.09]	
Hesse et al., 2014	11.1	10.6	24	12	12.7	25	3.2%	-0.08 [-0.64, 0.48]	
Hsieh et al., 2016	11	8.22	16		12.25	15	2.9%	0.04 [-0.66, 0.75]	T
Lum et al., 2006	5.3	1.2	10	2.5	0.6	6		Not estimable	
Masiero et al., 2007	12.8	5.5	17	7.5	9.5	18	2.9%	0.66 [-0.02, 1.35]	
Masiero et al., 2011	7.33	4.7	11	7.37	7.3	10	2.6%	-0.01 [-0.86, 0.85]	<b>—</b>
Masiero et al., 2014	11.66	5.35	14	9	10.3	16	2.8%	0.31 [-0.41, 1.03]	
Orihuela-Espina et al., 2016	9.11	4.07	9	6.87	3.18	8	2.3%	0.58 [-0.40, 1.56]	<del>T</del>
Rabadi et al., 2008	11.05	2.539		12.94	2.802	10	2.5%	-0.68 [-1.58, 0.23]	<del>-  </del>
Sale et al., 2013	17.18	10.27	9	19.5	16.66	11	2.5%	-0.16 [-1.04, 0.73]	<u> </u>
Sale et al., 2014	8.65	7.52	26	3.63	10.7	27	3.2%	0.53 [-0.02, 1.08]	<del>  •  </del>
Tomic et al., 2017	18	9.4	13	7.5	5.5	13	2.6%	1.32 [0.46, 2.18]	
Volpe et al., 2000	5	2.5	30	4	2	26	3.2%	0.43 [-0.10, 0.96]	<del>                                     </del>
Wolf et al., 2015 Subtotal (95% CI)	9.3	11.203	47 <b>306</b>	9.567	11.073	45 <b>308</b>	3.5% <b>47.9%</b>	-0.02 [-0.43, 0.39] <b>0.42 [0.14, 0.71]</b>	
Heterogeneity: Tau² = 0.23; Cl Test for overall effect: Z = 2.89			i(P < 0	1.0001);	I² = 66%				
Total (95% CI)			641			640	100.0%	0.39 [0.15, 0.63]	<b>•</b>
Heterogeneity: Tau² = 0.38; Cl Test for overall effect: Z = 3.23 Test for subgroup differences	P = 0.0	01)	•			%			-10 -5 0 5 Favours [control] Favours [experimental]

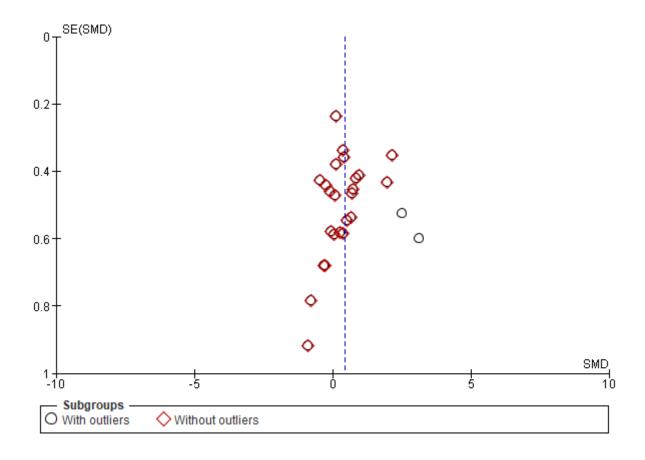
 $Supplementary\ Figure\ 1. \\ -- Distribution.$ 



#### Supplementary Table III.—RAT effect on motor function during chronic phase.



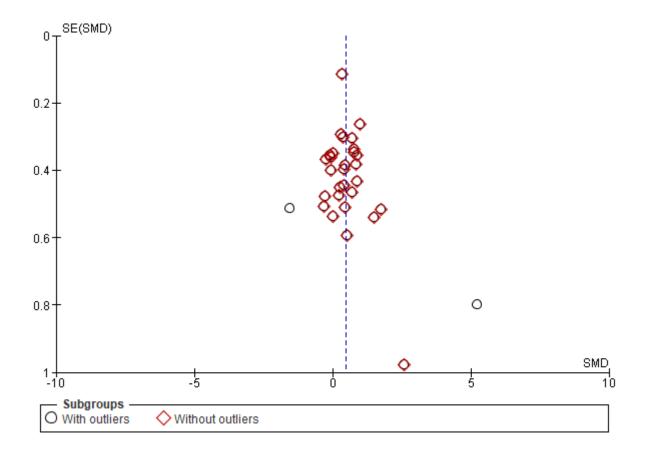
Supplementary Figure 2.—Distribution.



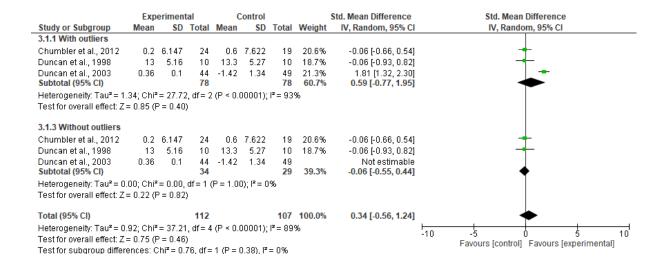
## Supplementary Table IV.—VR effect on motor function during chronic phase.

Study or Subgroup	Mean	eriment SD	al Total		ontrol SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
3.1.1 With outliers								. ,	i l
Askin et al., 2018	4.33	6.67	18	0.67	1.49	20	2.0%	0.76 [0.10, 1.42]	<del></del>
Chen et al., 2015 (a)	15	12.18	8	10.9	4.26	8	1.3%	0.42 [-0.57, 1.42]	+-
Chen et al., 2015 (b)	7.6	12.45	8	10.9	4.26	8	1.3%	-0.34 [-1.32, 0.65]	<del>-+</del>
a Silva Ribeiro et al., 2015	7.6	12.71	15	10.6	11.99	15	1.8%	-0.24 [-0.95, 0.48]	<del>-+</del>
Ouff et al., 2010	-0.25	4.14	11	6.8	4.51	10	1.3%	-1.57 [-2.57, -0.56]	<del></del>
luet et al., 2015	2.3	4.8	10	0.9	1.1	11	1.5%	0.40 [-0.47, 1.26]	+-
∂ivon et al., 2015	32.2	20.5	24	26.5	19.6	23	2.2%	0.28 [-0.30, 0.85]	<del> -</del>
Henrique et al., 2019	14.69	0.67	16	9.07	1.34	15	0.7%	5.22 [3.66, 6.78]	
lousman et al., 2009	3.3	2.4	14	2.2	2.6	14	1.8%	0.43 [-0.32, 1.18]	+-
lung et al., 2019	3.5	8.65	17	3.38	10.89	16	1.9%	0.01 [-0.67, 0.69]	+
n et al., 2012	10.4	5.82	11	3	2.52	8	1.2%	1.49 [0.43, 2.54]	<del></del>
ang et al., 2005	7	1.93	5	2.4	1.2	5	0.5%	2.59 [0.67, 4.50]	<del></del>
(iper et al., 2014	6.8	8.85	24	3.2	10.73	21	2.2%	0.36 [-0.23, 0.95]	<del> -</del>
Kottink et al., 2014	1.5	2.3	8	2.3	2.8	10	1.4%	-0.29 [-1.23, 0.64]	<del></del>
.ee et al., 2014	4	2.66	12	2	1.6	12	1.6%	0.88 [0.03, 1.72]	<del> </del>
.evin et al., 2012	7.2	8.22	6	2.6	8.2	6	1.1%	0.52 [-0.64, 1.68]	+-
Norouzi et al., 2019	2.1	11.42	9	-0.2	7.54	9	1.4%	0.23 [-0.70, 1.15]	<del></del>
Ogun et al., 2019	6.91	5.37	33	1.5	5.44	32	2.4%	0.99 [0.47, 1.51]	
Oh et al., 2019	1.9	3	17	2.1	2	14	1.9%	-0.07 [-0.78, 0.63]	+
Park et al., 2016	5.2	0.9	15	4.2	1.4	15	1.8%	0.83 [0.08, 1.58]	<del></del>
ark et al., 2017	9.8	4.85	10	6.2	5.22	10	1.4%	0.68 [-0.22, 1.59]	+-
ark et al., 2019	1.9	2.8	12	2.1	2.7	13	1.7%	-0.07 [-0.86, 0.71]	+
iron et al., 2009	5.3	4.74	18	2.2	2.95	18	1.9%	0.77 [0.09, 1.45]	<del></del>
Piron et al., 2010	7.3	6.86	27	2.6	6.13	20	2.1%	0.70 [0.11, 1.30]	<del> </del>
Reikensmeyer et al., 2012	3.3	6.85	13	0.9	4.9	13	1.7%	0.39 [-0.39, 1.17]	+-
Shin et al., 2015	4.66	6.48	16		10.24	16	1.9%	-0.10 [-0.80, 0.59]	+
Sin et al., 2013	10.89	6.31	18	6.53	2.6	17	1.9%	0.87 [0.18, 1.57]	<del></del>
Bucar et al., 2009	18.5	7.82	11	8.3	1.47	11	1.3%	1.74 [0.73, 2.75]	<del></del>
hielbar et al., 2014	1.7	6.37	7	1.7	6.68	7	1.2%	0.00 [-1.05, 1.05]	
urolla et al., 2013	6.5	9.93	263		11.04	113	3.1%	0.34 [0.12, 0.56]	+
/iana et al., 2014	9.3	5.7	10	7.5	7.1	10	1.5%	0.27 [-0.61, 1.15]	<del></del>
Subtotal (95% CI)			686			520	51.0%	0.48 [0.24, 0.72]	•
3.1.2 Without outliers									
3.1.2 Without outliers Askin et al., 2018 Chen et al., 2015 (a)	4.33 15	6.67 12.18	18 8	0.67 10.9	1.49 4.26	20 8	2.0% 1.3%	0.76 [0.10, 1.42] 0.42 [-0.57, 1.42]	
Askin et al., 2018 Chen et al., 2015 (a)	15	6.67 12.18 12.45	18 8 8	0.67 10.9 10.9	1.49 4.26 4.26	20 8 8	2.0% 1.3% 1.3%	0.42 [-0.57, 1.42]	
	15 7.6	12.18 12.45	8	10.9 10.9	4.26	8	1.3%		
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b)	15 7.6	12.18 12.45	8 8	10.9 10.9	4.26 4.26	8 8	1.3% 1.3%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) da Silva Ribeiro et al., 2015	15 7.6 7.6	12.18 12.45 12.71	8 8 15	10.9 10.9 10.6	4.26 4.26 11.99	8 8 15	1.3% 1.3%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) da Silva Ribeiro et al., 2015 Duff et al., 2010 Fluet et al., 2015	15 7.6 7.6 -0.25	12.18 12.45 12.71 4.14	8 8 15 11	10.9 10.9 10.6 6.8	4.26 4.26 11.99 4.51	8 8 15 10	1.3% 1.3% 1.8%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable	——————————————————————————————————————
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) Ia Silva Ribeiro et al., 2015 Duff et al., 2010 Cluet et al., 2015	15 7.6 7.6 -0.25 2.3	12.18 12.45 12.71 4.14 4.8	8 15 11 10	10.9 10.6 6.8 0.9 26.5 9.07	4.26 4.26 11.99 4.51 1.1	8 15 10 11	1.3% 1.3% 1.8% 1.5%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26]	——————————————————————————————————————
skin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) la Silva Ribeiro et al., 2015 Ouff et al., 2010 Tuet et al., 2015 Givon et al., 2015 Henrique et al., 2019	15 7.6 7.6 -0.25 2.3 32.2	12.18 12.45 12.71 4.14 4.8 20.5	8 15 11 10 24	10.9 10.9 10.6 6.8 0.9 26.5	4.26 4.26 11.99 4.51 1.1 19.6	8 15 10 11 23	1.3% 1.3% 1.8% 1.5%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85]	   
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) Ia Silva Ribeiro et al., 2015 Ouff et al., 2010 Cluet et al., 2015 Given et al., 2019 Housman et al., 2009	15 7.6 7.6 -0.25 2.3 32.2 14.69	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65	8 15 11 10 24 16	10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89	8 15 10 11 23 15	1.3% 1.3% 1.8% 1.5% 2.2%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable	   
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) da Silva Ribeiro et al., 2015 Duff et al., 2010 Cluet et al., 2015 Divon et al., 2015 Henrique et al., 2019 Hung et al., 2009 Hung et al., 2019 n et al., 2012	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82	8 15 11 10 24 16 14 17	10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89 2.52	8 15 10 11 23 15 14 16 8	1.3% 1.3% 1.8% 1.5% 2.2% 1.8% 1.9% 1.2%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.68] 1.49 [0.43, 2.54]	    
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) Ia Silva Ribeiro et al., 2015 Duff et al., 2010 Cluet et al., 2015 Givon et al., 2015 Henrique et al., 2019 Housman et al., 2009 Hung et al., 2019 In et al., 2012	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93	8 15 11 10 24 16 14 17	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89 2.52 1.2	8 15 10 11 23 15 14 16 8 5	1.3% 1.8% 1.5% 2.2% 1.8% 1.9% 1.2% 0.5%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50]	    
skin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) la Silva Ribeiro et al., 2015 Ouff et al., 2010 Tuet et al., 2015 Givon et al., 2015 Henrique et al., 2019 Houg et al., 2019 In et al., 2019 ang et al., 2012	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85	8 15 11 10 24 16 14 17 11 5	10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89 2.52 1.2 10.73	8 15 10 11 23 15 14 16 8 5	1.3% 1.3% 1.8% 1.5% 2.2% 1.8% 1.9% 1.2% 0.5% 2.2%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.68] 1.49 [0.43, 2.54]	
skin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) Chen et al., 2015 (b) Chen et al., 2015 Chen et al., 2015 Chen et al., 2015 Chen et al., 2015 Chenrique et al., 2019 Chusman et al., 2009 Chung et al., 2019 Chen et al., 2019 Chen et al., 2019 Chen et al., 2019 Chen et al., 2014 Chen et al., 2014 Cottink et al., 2014	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8 1.5	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85 2.3	8 15 11 10 24 16 14 17 11 5 24 8	10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.3	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89 2.52 1.2 10.73 2.8	8 15 10 11 23 15 14 16 8 5 21	1.3% 1.8% 1.8% 2.2% 1.8% 1.9% 1.2% 0.5% 2.2% 1.4%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64]	
skin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) La Silva Ribeiro et al., 2015 Duff et al., 2010 Cluet et al., 2015 Sivon et al., 2015 Henrique et al., 2019 Housman et al., 2009 Hung et al., 2019 n et al., 2012 ang et al., 205 Giper et al., 2014 Cottink et al., 2014	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8 1.5	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85 2.3 2.66	8 8 15 11 10 24 16 14 17 11 5 24 8 12	10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.3	4.26 4.26 11.99 4.51 1.1 19.6 1.34 2.6 10.89 2.52 1.2 10.73 2.8 1.6	8 8 15 10 11 23 15 14 16 8 5 21 10	1.3% 1.8% 1.8% 2.2% 1.8% 1.9% 1.2% 0.5% 2.2% 1.4% 1.6%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72]	       
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Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) As Silva Ribeiro et al., 2015 Duff et al., 2015 Duff et al., 2015 Diverte et al., 2015 Henrique et al., 2019 Housman et al., 2014 Levin et al., 2014 Levin et al., 2014 Levin et al., 2019 Duret al., 2019	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7.2 2.1 6.91 1.9 5.2 9.8 1.9 5.2 9.8 1.9 5.3 3.3 3.3 4.66 10.8 1.9	12.18 12.45 12.71 4.18 20.5 0.67 2.46 8.65 5.82 1.93 2.66 8.22 11.42 5.37 3 0.9 4.85 2.8 4.74 6.86 6.85 6.48 6.31	8 8 8 8 155 11 110 244 166 144 177 111 5 24 8 12 27 13 16 18 11 7 7 263 10	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.6 6.2 2.1 5.5 6.2 2.1 2.2 6.2 2.1 6.2 2.6 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6.3 6	4.26 4.26 4.26 11.99 4.51 1.1 19.6 10.89 2.52 1.2 10.73 2.8 8.2 7.54 4.5 1.4 5.22 2.7 5.44 5.22 2.7 6.13 4.9 10.24 4.9 10.24 6.68	8 8 8 15 5 10 11 23 15 5 14 16 8 8 5 5 21 11 0 12 6 6 9 32 14 15 10 13 18 20 17 11 7 11 17 11 13 10	1.3% 1.3% 1.8% 2.2% 1.8% 1.2% 0.5% 2.2% 1.6% 1.1% 1.4% 1.9% 1.8% 1.7% 1.9% 2.1% 1.9% 2.1% 1.9% 2.1% 1.9%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72] 0.52 [-0.64, 1.68] 0.23 [-0.70, 1.15] 0.99 [0.47, 1.51] -0.07 [-0.78, 0.63] 0.83 [0.08, 1.58] 0.68 [-0.22, 1.59] -0.07 [-0.86, 0.71] 0.77 [0.09, 1.45] 0.70 [0.11, 1.30] 0.39 [-0.39, 1.17] -0.10 [-0.80, 0.59] 0.87 [0.18, 1.57] 1.74 [0.73, 2.75] 0.00 [-1.05, 1.05] 0.34 [0.12, 0.56] 0.37 [-0.61, 1.15]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) As Silva Ribeiro et al., 2015 Duff et al., 2015 Duff et al., 2015 Divon et al., 2015 Divon et al., 2015 Henrique et al., 2019 Housman et al., 2009 Hung et al., 2019 As a constant of a constan	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8 1.5 4 7.2 2.1 6.91 1.9 5.2 9.8 1.9 5.3 3.3 4.66 10.89 18.5 1.7 6.5 9.3	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85 2.3 2.66 8.22 11.42 5.37 3 0.9 4.85 2.8 6.85 6.48 6.31 6.93 5.7	8 8 8 8 15 5 11 10 24 16 6 14 17 15 52 4 8 12 6 9 33 17 15 10 12 18 27 13 16 6 18 11 7 26 3 10 65 9	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.6 6.2 2.1 4.2 2.6 6.2 2.1 4.2 2.6 6.5 3.3 7.5	4.26 4.26 11.99 4.51 1.1 19.6 10.89 2.52 1.2 10.78 2.52 7.54 5.44 4.2 2.95 6.13 4.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	8 8 8 8 15 10 11 23 15 14 16 8 8 5 21 12 6 9 32 14 15 10 13 18 20 13 16 17 7 11 13	1.3% 1.3% 1.8% 2.2% 1.8% 1.2% 0.5% 2.2% 1.4% 1.1% 1.4% 1.19% 1.4% 1.7% 1.9% 2.1,7% 1.9% 1.9% 1.9% 1.9%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.96] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72] 0.52 [-0.64, 1.68] 0.23 [-0.70, 1.15] 0.99 [0.47, 1.51] -0.07 [-0.78, 0.63] 0.83 [0.08, 1.58] 0.68 [-0.22, 1.59] -0.07 [-0.86, 0.71] 0.77 [0.09, 1.45] 0.70 [0.11, 1.30] 0.39 [-0.39, 1.17] -0.10 [-0.80, 0.59] 0.87 [0.18, 1.57] 1.74 [0.73, 2.75] 0.00 [-1.05, 1.05] 0.34 [0.12, 0.56]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) da Silva Ribeiro et al., 2015 Duff et al., 2010	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8 1.5 4 7.2 2.1 6.91 1.9 5.2 9.8 1.9 5.3 3.3 4.66 10.89 18.5 1.7 6.5 9.3	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85 2.3 2.66 8.22 11.42 5.37 3 0.9 4.85 2.8 6.85 6.48 6.31 6.93 5.7	8 8 8 8 15 5 11 10 24 16 6 14 17 15 52 4 8 12 6 9 33 17 15 10 12 18 27 13 16 6 18 11 7 26 3 10 65 9	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.6 6.2 2.1 4.2 2.6 6.2 2.1 4.2 2.6 6.5 3.3 7.5	4.26 4.26 11.99 4.51 1.1 19.6 10.89 2.52 1.2 10.78 2.52 7.54 5.44 4.2 2.95 6.13 4.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	8 8 8 15 5 10 11 23 15 5 14 16 8 8 5 5 21 11 0 12 6 6 9 32 14 15 10 13 18 20 17 11 7 11 17 11 13 10	1.3% 1.3% 1.8% 2.2% 1.8% 1.2% 0.5% 2.2% 1.6% 1.1% 1.4% 1.9% 1.8% 1.7% 1.9% 2.1% 1.9% 2.1% 1.9% 2.1% 1.9%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72] 0.52 [-0.64, 1.68] 0.23 [-0.70, 1.15] 0.99 [0.47, 1.51] -0.07 [-0.78, 0.63] 0.83 [0.08, 1.58] 0.68 [-0.22, 1.59] -0.07 [-0.86, 0.71] 0.77 [0.09, 1.45] 0.70 [0.11, 1.30] 0.39 [-0.39, 1.17] -0.10 [-0.80, 0.59] 0.87 [0.18, 1.57] 1.74 [0.73, 2.75] 0.00 [-1.05, 1.05] 0.34 [0.12, 0.56] 0.37 [-0.61, 1.15]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) da Silva Ribeiro et al., 2015 Duff et al., 2015 Diff et al., 2015 Divon et al., 2015 Henrique et al., 2019 Housman et al., 2019 Housman et al., 2009 Hung et al., 2019 Hung et al., 2014 Levin et al., 2014 Levin et al., 2014 Levin et al., 2019 Doun et al., 2010 Doun et al., 2010 Doun et al., 2010 Doun et al., 2011 Doun et al., 2014 Chous et al., 2014 Chould et al., 2018	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.3 3.5 10.4 7 6.8 1.5 4 7.2 2.1 6.91 1.9 5.2 9.8 1.9 5.3 3.3 4.66 10.89 18.5 1.7 6.5 9.3	12.18 12.45 12.71 4.14 4.8 20.5 0.67 2.4 8.65 5.82 1.93 8.85 2.3 2.66 8.22 11.42 5.37 3 0.9 4.85 2.8 6.85 6.48 6.31 6.93 5.7	8 8 8 15 11 10 24 16 14 17 11 5 24 8 12 6 9 33 17 15 10 12 18 11 7 263 10 659 28 (P =	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.6 6.2 2.1 4.2 2.6 6.2 2.1 4.2 2.6 6.5 3.3 7.5	4.26 4.26 11.99 4.51 1.1 19.6 10.89 2.52 1.2 10.78 2.52 7.54 5.44 4.2 2.95 6.13 4.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	8 8 8 15 10 11 23 15 14 16 8 5 21 10 12 6 9 32 14 15 10 13 18 20 13 16 17 11 17 11 11 11 11 11 11 11 11 11 11	1.3% 1.8% 2.2% 1.8% 1.2% 0.5% 2.2% 1.4% 1.4% 1.4% 1.4% 1.9% 1.1% 1.9% 1.3% 1.3% 1.3% 1.3% 49.0%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72] 0.52 [-0.64, 1.68] 0.23 [-0.70, 1.15] 0.99 [0.47, 1.51] -0.07 [-0.78, 0.63] 0.83 [0.08, 1.58] 0.68 [-0.22, 1.59] -0.07 [-0.86, 0.71] 0.77 [0.09, 1.45] 0.70 [0.11, 1.30] 0.39 [-0.39, 1.17] -0.10 [-0.80, 0.59] 0.87 [0.18, 1.57] 1.74 [0.73, 2.75] 0.00 [-1.05, 1.05] 0.34 [0.12, 0.56] 0.27 [-0.61, 1.15] 0.45 [0.28, 0.62]	
Askin et al., 2018 Chen et al., 2015 (a) Chen et al., 2015 (b) As Silva Ribeiro et al., 2015 Duff et al., 2015 Duff et al., 2015 Divon et al., 2015 Divon et al., 2015 Henrique et al., 2019 Housman et al., 2009 Hung et al., 2019 As a constant of a constan	15 7.6 7.6 -0.25 2.3 32.2 14.69 3.5 10.4 7 6.8 1.5 4 7.2 2.1 6.91 1.9 5.2 9.8 1.9 5.3 7.3 3.3 4.66 10.89 18.5 1.7 6.5 9.3	12.18 12.45 12.71 4.18 20.5 0.67 2.4 8.65 5.82 1.93 2.66 8.22 5.37 3 0.9 4.85 6.85 2.3 2.66 8.22 5.37 3 0.9 4.85 6.85 6.85 6.85 5.87 7.82 6.85 6.85 6.85 6.85 6.85 6.85 6.85 6.85	8 8 8 8 15 11 10 24 16 14 17 11 5 24 8 12 6 9 33 17 15 10 12 18 27 13 16 18 11 7 263 10 659 28 (P =	10.9 10.9 10.6 6.8 0.9 26.5 9.07 2.2 3.38 3 2.4 3.2 2.3 2.2 2.6 6.2 2.1 4.2 2.6 6.2 2.1 2.1 2.2 6.5 5.57 6.53 8.3 1.7 3.7 5.5 6.5 8.3 7.5 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3	4.26 4.26 11.99 4.51 1.1 19.6 10.89 2.52 1.2 10.73 1.6 8.2 7.54 4.9 10.24 2.8 1.4 5.22 2.95 6.13 4.9 10.24 2.6 11.4 7.5 6.13 4.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	8 8 8 15 10 11 23 15 14 16 8 8 5 11 10 12 6 9 32 14 15 10 13 18 20 13 16 17 11 7 113 10 495	1.3% 1.3% 1.8% 2.2% 1.8% 1.2% 0.5% 2.2% 1.6% 1.1% 1.4% 1.9% 1.8% 1.7% 1.9% 2.1% 1.9% 2.1% 1.9% 2.1% 1.9%	0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.24 [-0.95, 0.48] Not estimable 0.40 [-0.47, 1.26] 0.28 [-0.30, 0.85] Not estimable 0.43 [-0.32, 1.18] 0.01 [-0.67, 0.69] 1.49 [0.43, 2.54] 2.59 [0.67, 4.50] 0.36 [-0.23, 0.95] -0.29 [-1.23, 0.64] 0.88 [0.03, 1.72] 0.52 [-0.64, 1.68] 0.23 [-0.70, 1.15] 0.99 [0.47, 1.51] -0.07 [-0.78, 0.63] 0.83 [0.08, 1.58] 0.68 [-0.22, 1.59] -0.07 [-0.86, 0.71] 0.77 [0.09, 1.45] 0.70 [0.11, 1.30] 0.39 [-0.39, 1.17] -0.10 [-0.80, 0.59] 0.87 [0.18, 1.57] 1.74 [0.73, 2.75] 0.00 [-1.05, 1.05] 0.34 [0.12, 0.56] 0.37 [-0.61, 1.15]	-10 -5 0 5

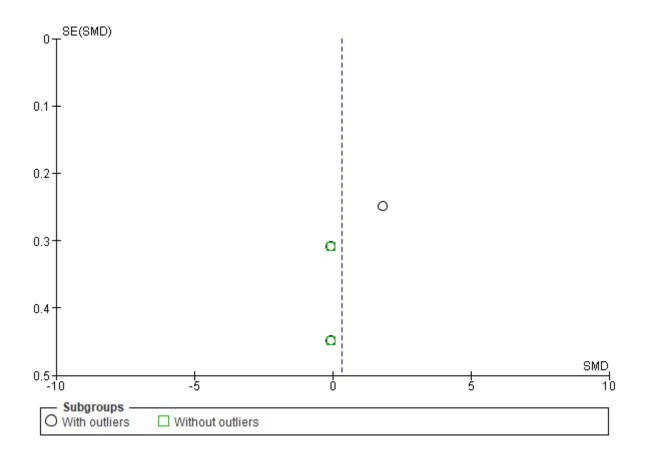
Supplementary Figure 3.—Distribution.



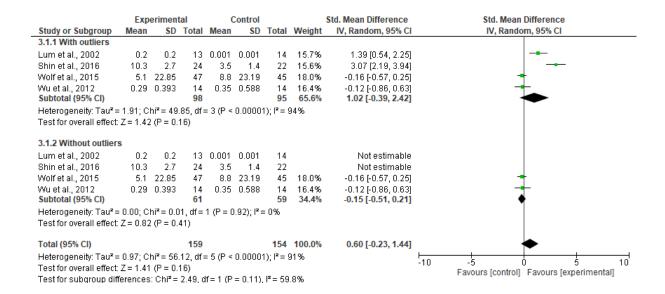
#### Supplementary Table V.—TR effect on activity during subacute phase.



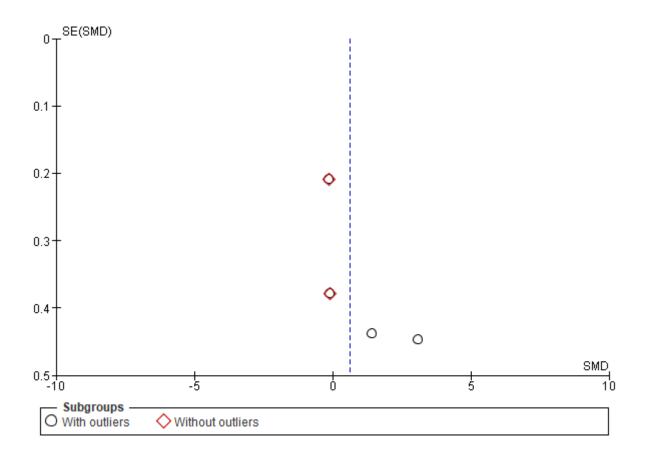
#### Supplementary Figure 4.—Distribution.



#### Supplementary Table VI.—RAT effect on activity during chronic phase.



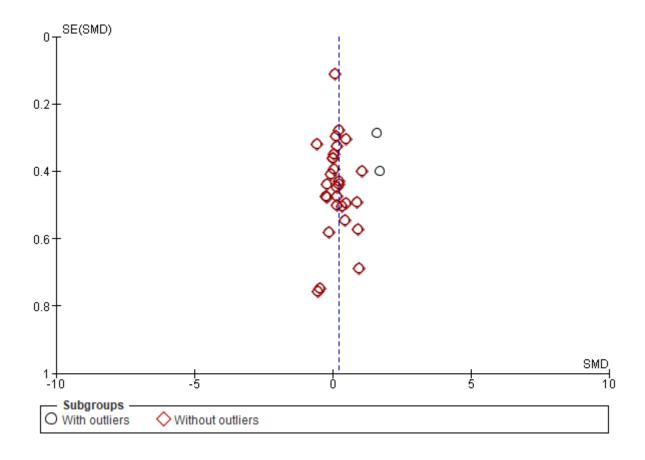
#### Supplementary Figure 5.—Distribution.



## Supplementary Table VII.—VR effect on activity during chronic phase.

Study or Subgroup	Mean	eriment SD		Mean	Control SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
3.1.1 With outliers									
Askin et al., 2018	1.75	13.3	18	0	7.81	20	2.2%	0.16 [-0.48, 0.80]	+
Broeren et al., 2008	2.8	10	11	0.4	10.56	11	1.5%	0.22 [-0.61, 1.06]	<del></del>
Byl et al., 2013 (a)	1.8	8.32	5	6.5	10.3	3	0.6%	-0.45 [-1.92, 1.01]	<del></del>
Byl et al., 2013 (b)		11.25	5	6.5	10.3	3	0.6%	-0.53 [-2.01, 0.95]	<del></del>
Chen et al., 2015 (a)	4.9	12	8	1.5	7.25	8	1.2%	0.32 [-0.66, 1.31]	<del></del>
Chen et al., 2015 (b)	3.1	13.12	8	1.5	7.25	8	1.2%	0.14 [-0.84, 1.12]	
		4.93	9		11.72	9			
Crosbie et al., 2012	0.6			2.9			1.3%	-0.24 [-1.17, 0.68]	
Ouff et al., 2012	0.47	0.36	11	0.54	0.28	10	1.5%	-0.21 [-1.07, 0.65]	
ivon et al., 2015		14.64	20		14.75	21	2.3%	-0.57 [-1.20, 0.05]	$\neg$
Housman et al., 2009	0.1	0.4	15	0.1	0.7	16	2.0%	0.00 [-0.70, 0.70]	T
lung et al., 2019	0.085	0.41	17	0.07	0.72	16	2.0%	0.03 [-0.66, 0.71]	<b>T</b>
n et al., 2012	26.35		11	3.43	7.67	8	1.2%	0.87 [-0.09, 1.83]	<del></del>
lang et al., 2005	4	4.84	5	-1.6	5.91	5	0.7%	0.94 [-0.41, 2.28]	<del> </del>
lo et al., 2012	8.5	7.7	15	2	3.29	14	1.7%	1.05 [0.27, 1.84]	
(im et al., 2012	1.5	10.51	10	0.28	5.06	10	1.4%	0.14 [-0.74, 1.02]	+
(iper et al., 2014	15.7	17.78	24	8	14.83	21	2.5%	0.46 [-0.13, 1.05]	<del> </del>
Kottink et al., 2014	3.9	4.9	8	5	5.1	10	1.3%	-0.21 [-1.14, 0.72]	<del></del>
ee et al., 2013	8.71	9.01	7	4.81	7.16	7	1.0%	0.45 [-0.62, 1.51]	<del> </del>
		10.47	13	2.54	10.48	13	1.7%		
ee et al., 2016								0.03 [-0.74, 0.80]	
evin et al., 2012		17.28	6		12.83	6	0.9%	-0.16 [-1.29, 0.98]	1_
lorouzi et al., 2019		14.66	9	-1.6	9.18	9	1.3%	0.14 [-0.79, 1.07]	Τ_
gun et al., 2019	8.34	4.78	33	1.25	3.89	32	2.6%	1.60 [1.04, 2.17]	—
Oh et al., 2019	3.4	4.9	17	3.5	7.2	14	2.0%	-0.02 [-0.72, 0.69]	<b>T</b>
Park et al., 2019	4.3	5.9	12	4.8	5.9	12	1.6%	-0.08 [-0.88, 0.72]	+
Piron et al., 2010	5.6	7.22	27	4.7	9.07	20	2.5%	0.11 [-0.47, 0.69]	+
Rand et al., 2017	11.7	11.42	11	9	12.61	10	1.5%	0.22 [-0.64, 1.08]	+
Schuster-Amft et al., 2018	24.37	15.2	22	20.17	21.5	32	2.7%	0.22 [-0.33, 0.76]	+
3in et al., 2013	9.56	4.61	18	2.71	3.12	17	1.7%	1.69 [0.91, 2.48]	<del></del>
hielbar et al., 2014	3.1	5.6	7	-3.5	8.01	7	1.0%	0.89 [-0.22, 2.01]	<del> </del>
Turolla et al., 2013		12.42	263		12.99	113	5.3%	0.06 [-0.17, 0.28]	<b>↓</b>
Zondervan et al., 2016	0.7	2.3	9	-0.6	2.9	8	1.2%	0.48 [-0.49, 1.44]	
Subtotal (95% CI)	0.7	2.3	654	-0.0	2.8	493	52.1%	0.26 [0.07, 0.46]	
	.63 (P = 0	.009)							
3.1.2 Without outliers Askin et al., 2018	1.75	13.3	18	0	7.81	20	2.2%	0.16 [-0.48, 0.80]	_
<b>3.1.2 Without outliers</b> Askin et al., 2018 Broeren et al., 2008	1.75	13.3 10	11	0.4	10.56	11	1.5%	0.22 [-0.61, 1.06]	+
<b>3.1.2 Without outliers</b> Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a)	1.75 2.8 1.8	13.3 10 8.32	11 5	0.4 6.5	10.56 10.3	11 3	1.5% 0.6%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01]	<u></u>
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b)	1.75 2.8 1.8 -0.2	13.3 10 8.32 11.25	11 5 5	0.4 6.5 6.5	10.56 10.3 10.3	11 3 3	1.5% 0.6% 0.6%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95]	
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (a)	1.75 2.8 1.8 -0.2 4.9	13.3 10 8.32 11.25	11 5 5 8	0.4 6.5 6.5 1.5	10.56 10.3 10.3 7.25	11 3 3 8	1.5% 0.6% 0.6% 1.2%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31]	
6.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (a) Chen et al., 2015 (b)	1.75 2.8 1.8 -0.2 4.9 3.1	13.3 10 8.32 11.25 12 13.12	11 5 5 8	0.4 6.5 6.5 1.5 1.5	10.56 10.3 10.3 7.25 7.25	11 3 3 8 8	1.5% 0.6% 0.6% 1.2% 1.2%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12]	
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (b) Chen et al., 2015 (a) Chen et al., 2015 (b) Crosbie et al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1 0.6	13.3 10 8.32 11.25 12 13.12 4.93	11 5 5 8 8	0.4 6.5 6.5 1.5 1.5 2.9	10.56 10.3 10.3 7.25 7.25 11.72	11 3 3 8 8	1.5% 0.6% 0.6% 1.2% 1.2% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68]	
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (b) Chen et al., 2015 (a) Chen et al., 2015 (b) Crosbie et al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1	13.3 10 8.32 11.25 12 13.12	11 5 5 8	0.4 6.5 6.5 1.5 1.5	10.56 10.3 10.3 7.25 7.25	11 3 8 8 9	1.5% 0.6% 0.6% 1.2% 1.2%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12]	
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64	11 5 5 8 8	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75	11 3 3 8 8	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68]	
3.1.2 Without outliers Askin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Outliet al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1 0.6	13.3 10 8.32 11.25 12 13.12 4.93 0.36	11 5 5 8 8 9	0.4 6.5 6.5 1.5 1.5 2.9 0.54	10.56 10.3 10.3 7.25 7.25 11.72 0.28	11 3 8 8 9	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 1.5%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65]	
s.1.2 Without outliers iskin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (a) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Bivon et al., 2015 Housman et al., 2009	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64	11 5 8 8 9 11 20	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75	11 3 8 8 9 10 21	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05]	
s.1.2 Without outliers skin et al., 2018 gv et al., 2013 (a) gv et al., 2013 (b) gv et al., 2013 (b) gv et al., 2015 (a) gv et al., 2015 (b) gv et al., 2015 (b) gv et al., 2012 gv et al., 2012 gv et al., 2015 housman et al., 2009 et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4	11 5 8 8 9 11 20	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7	11 3 8 8 9 10 21	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70]	
i.1.2 Without outliers iskin et al., 2018 Broeren et al., 2008 Byl et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Bivon et al., 2019 Houg et al., 2019 In et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4	11 5 8 8 9 11 20 15	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7	11 3 8 8 9 10 21 16	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 2.0%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] -0.32 [-0.66, 1.31] -0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] -0.00 [-0.70, 0.70] -0.03 [-0.66, 0.71]	
skin et al., 2018 Broeren et al., 2018 By let al., 2013 (a) By let al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Divon et al., 2015 Housman et al., 2009 Houng et al., 2019 In et al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09	11 5 8 8 9 11 20 15 17	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67	11 3 8 8 9 10 21 16 16 8	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 1.2%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28]	
s.1.2 Without outliers skin et al., 2018 Broeren et al., 2018 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Juff et al., 2015 Housman et al., 2009 Hung et al., 2019 n et al., 2012 ang et al., 2015 loos et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7	11 5 8 8 9 11 20 15 17 11 5	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29	11 3 8 8 9 10 21 16 16 8 5	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 1.5% 2.3% 2.0% 2.0% 1.2% 0.7% 1.7%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] -0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84]	
s.1.2 Without outliers skin et al., 2018 Broeren et al., 2018 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 House et al., 2015 Housman et al., 2009 Hung et al., 2019 n et al., 2012 ang et al., 2012 (im et al., 2012	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51	11 5 8 8 9 11 20 15 17 11 5	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06	11 3 8 8 9 10 21 16 16 8 5 14	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 0.7% 1.7%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] -0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02]	
1.1.2 Without outliers skin et al., 2018 broeren et al., 2018 by et al., 2013 (a) by et al., 2013 (b) chen et al., 2015 (a) chen et al., 2015 (b) crosbie et al., 2012 buff et al., 2012 biff et al., 2015 lousman et al., 2009 broeren et al., 2019 et al., 2012 ang et al., 2015 o et al., 2012 congression et al., 2012 ang et al., 2012 congression et al., 2014	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.5 15.7	13.3 10 8.32 11.25 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78	11 5 8 8 9 11 20 15 17 11 5 10 24	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83	11 3 8 8 9 10 21 16 16 8 5 14 10 21	1.5% 0.6% 0.6% 1.2% 1.2% 1.5% 2.3% 2.0% 2.0% 1.2% 0.7% 1.4% 2.5%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05]	
A.1.2 Without outliers  Askin et al., 2018  By let al., 2013 (a)  By let al., 2013 (b)  Chen et al., 2015 (b)  Crosbie et al., 2012  Couff et al., 2012  Couff et al., 2012  By let al., 2015  By let al., 2015  Cousman et al., 2009  Hung et al., 2019  A et al., 2012  Ang et al., 2014	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.57 3.9	13.3 10 8.32 11.25 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 4.9	11 5 8 8 9 11 20 15 17 11 5 10 24	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 7.67 5.91 3.29 5.06 14.83 5.1	11 3 8 8 9 10 21 16 16 8 5 14 10 21	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 2.0% 1.2% 0.7% 1.7% 1.4% 2.5%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72]	
A.1.2 Without outliers  skin et al., 2018  troeren et al., 2008  tyl et al., 2013 (a)  tyl et al., 2013 (b)  then et al., 2015 (b)  trosbie et al., 2012  tuff et al., 2012  tivon et al., 2015  tousman et al., 2009  tung et al., 2019  n et al., 2012  tim et al., 2012  tim et al., 2012  tim et al., 2014  tim et al., 2014  tottink et al., 2014  ee et al., 2013	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 3.9 8.71	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01	11 5 8 8 9 11 20 15 17 11 5 10 24 8 7	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16	11 3 8 8 9 10 21 16 16 8 5 14 10 21	1.5% 0.6% 0.6% 1.2% 1.2% 1.5% 2.0% 2.0% 1.2% 0.7% 1.7% 1.4% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51]	
skin et al., 2018 broeren et al., 2018 broeren et al., 2018 by et al., 2013 (a) by et al., 2013 (b) chen et al., 2015 (b) crosbie et al., 2012 broof et al., 2012 broon et al., 2015 douernan et al., 2009 dung et al., 2019 n et al., 2012 ang et al., 2012 Gree et al., 2012 Gree et al., 2014 Gottink et al., 2014 Lee et al., 2013 Lee et al., 2013 Lee et al., 2013 Lee et al., 2013 Lee et al., 2016	1.75 2.8 1.8 -0.2 4.9 3.1 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.5 7 3.9 8.71 2.85	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47	11 5 8 8 9 11 20 15 17 11 5 10 24 8 7	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48	11 3 8 8 9 10 21 16 16 8 5 14 10 21 10 7	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.7% 1.7% 1.4% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80]	
s.1.2 Without outliers (skin et al., 2018) Broeren et al., 2018 Broeren et al., 2013 (a) Broeren et al., 2013 (b) Chen et al., 2015 (a) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2015 Housman et al., 2009 Hung et al., 2019 In et al., 2012 ang et al., 2012 (im et al., 2012 (im et al., 2012 (iper et al., 2014 (cottink et al., 2014 (cee et al., 2014 (cee et al., 2016 (cevin et al., 2012 (cee et al., 2012 (cee et al., 2016 (cevin et al., 2012 (cee et al., 2014 (cee e	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4.5 1.5 15.7 3.9 8.71 2.85 0.8	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28	11 5 8 8 9 11 20 15 17 11 5 15 10 24 8 7	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 3.4	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83	11 3 8 8 9 10 21 16 16 5 14 10 21 10 7	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 2.0% 1.2% 1.2% 1.7% 1.7% 1.3% 1.3% 1.0%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] -0.32 [-0.66, 1.31] -0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] -0.00 [-0.70, 0.70] -0.03 [-0.66, 0.71] -0.87 [-0.09, 1.83] -0.94 [-0.41, 2.28] -1.05 [0.27, 1.84] -0.14 [-0.74, 1.02] -0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] -0.45 [-0.62, 1.51] -0.45 [-0.62, 1.51] -0.46 [-0.62, 1.51] -0.16 [-1.29, 0.98]	
i.1.2 Without outliers iskin et al., 2018 Broeren et al., 2018 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Duff et al., 2012 Duff et al., 2015 Housman et al., 2009 Hung et al., 2019 In et al., 2012 Groer et al., 2012 Groer et al., 2014 Cottink et al., 2014 Lee et al., 2013 Lee et al., 2013 Levin et al., 2016 Levin et al., 2012 Lorouzi et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.085 26.35 4 8.5 1.5,7 3.9 8.71 2.85 0.8	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28 14.66	111 5 5 8 8 8 9 9 111 200 155 177 111 5 15 10 24 8 7 13 6 9	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 3.4 -1.6	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 48 12.83 9.18	111 33888991002116685 1401077136699	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.7% 1.7% 1.4% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07]	
skin et al., 2018 By et al., 2018 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2015 Crosbie et al., 2012 Diff et al., 2012 Diff et al., 2015 House al., 2015 House al., 2019 In et al., 2012 Gime et al., 2012 Gime et al., 2012 Gime et al., 2014 Gottink et al., 2014 Lee et al., 2013 Lee et al., 2016 Levin et al., 2019 Digun et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.5 15.7 3.9 8.71 2.85 0.2 8.34	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28 4.94 4.94 4.94 4.94 4.94 4.95 4.96 4.96 4.96 4.96 4.96 4.96 4.96 4.96	111 55 88 89 111 200 155 177 111 5 100 244 8 7 7 13 6 9 9 33	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 4.1.6 1.25	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89	111 3 3 8 8 8 9 10 21 16 16 8 5 14 10 21 10 7 7 13 6 9 32	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 1.2% 0.7% 1.7% 1.4% 0.9% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable	
S.1.2 Without outliers Askin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Duff et al., 2015 Houng et al., 2019 In et al., 2019 In et al., 2012 Given et al., 2012 Given et al., 2012 Given et al., 2014 Long et al., 2014 Cottink et al., 2014 Lee et al., 2013 Lee et al., 2016 Levin et al., 2019 Dygun et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 1.5 1.5 1.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28 14.68 4.78 4.9	111 5 5 8 8 8 9 9 111 200 155 177 111 5 15 10 24 8 7 13 6 9	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 3.4 -1.6 1.25 3.5	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 9.18 7.2	111 33888991002116685 1401077136699	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.3% 2.0% 2.0% 1.7% 1.7% 1.7% 1.3% 1.0% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69]	
skin et al., 2018 Broeren et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) Byl et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Duff et al., 2015 Houge al., 2015 Houge al., 2019 In et al., 2012 Given et al., 2012 Ging et al., 2012 Ging et al., 2012 Ging et al., 2014 Cottink et al., 2014 Lee et al., 2013 Lee et al., 2016 Levin et al., 2019 Drouzi et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.5 15.7 3.9 8.71 2.85 0.2 8.34	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28 4.94 4.94 4.94 4.94 4.94 4.95 4.96 4.96 4.96 4.96 4.96 4.96 4.96 4.96	111 55 88 89 111 200 155 177 111 5 100 244 8 7 7 13 6 9 9 33	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 4.1.6 1.25	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89	111 3 3 8 8 8 9 10 21 16 16 8 5 14 10 21 10 7 7 13 6 9 32	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 1.2% 0.7% 1.7% 1.4% 0.9% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable	
skin et al., 2018 broeren et al., 2018 broeren et al., 2018 broeren et al., 2013 (a) by let al., 2013 (b) chen et al., 2015 (b) crosbie et al., 2012 brosbie et al., 2012 broot et al., 2012 broot et al., 2015 douernan et al., 2009 dung et al., 2019 net al., 2012 dim et al., 2012 Grim et al., 2014 Gottink et al., 2014 Lee et al., 2014 Lee et al., 2018 Levin et al., 2019 Jorouzi et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 1.5 1.5 1.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 17.28 14.68 4.78 4.9	111 55 88 89 111 200 155 177 111 5 150 244 88 77 133 66 9 333	0.4 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 3.4 -1.6 1.25 3.5	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 9.18 7.2	111 3 3 8 8 8 9 9 100 211 116 116 8 8 5 14 110 7 7 113 6 6 9 9 32 14	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.3% 2.0% 2.0% 1.7% 1.7% 1.7% 1.3% 1.0% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69]	
A.1.2 Without outliers  Askin et al., 2018  Askin et al., 2018  Askin et al., 2013 (a)  Askin et al., 2013 (a)  Askin et al., 2013 (b)  Askin et al., 2015 (b)  Askin et al., 2015 (b)  Askin et al., 2015  Askin et al., 2015  Askin et al., 2019  Askin et al., 2012  Askin et al., 2014  Askin et al., 2014  Askin et al., 2014  Askin et al., 2014  Askin et al., 2015  Askin et al., 2016  Askin et al., 2017  Askin et al., 2019	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 26.35 4 8.5 1.5.7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 3.4 4.3 5.6	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 9.01 10.47 17.28 14.66 4.78 4.9 5.9	111 55 88 89 911 200 155 177 111 55 100 244 8 7 7 133 6 9 9 333 177 12	0.4 6.5 6.5 1.5 2.9 0.54 8.3 -1.6 2 0.28 8 5 4.81 2.54 3.4 -1.6 1.25 4.8	10.56 10.3 10.3 7.25 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.96 14.83 5.16 10.48 12.83 9.18 3.89 7.2 5.9	111 3 3 8 8 9 100 211 116 116 116 116 117 117 117 117 117 1	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.0,9% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.68] -0.08 [-0.88, 0.72]	
S.1.2 Without outliers Askin et al., 2018 Broeren et al., 2018 By et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Duff et al., 2012 Duff et al., 2015 Houseman et al., 2009 Hung et al., 2019 In et al., 2012 Iang et al., 2012 Giper et al., 2014 Cottink et al., 2014 Lee et al., 2013 Lee et al., 2015 Duff et al., 2019 Dy et al., 2010 Rand et al., 2017	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 26.35 4 8.5 1.5.7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 3.4 4.3 5.6	13.3 10 8.32 11.25 12.13.12 4.93 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 4.7 4.9 9.01 10.47 4.7 4.9 9.01 10.46 4.7 4.7 4.9 9.01 10.46 4.7 4.7 4.7 4.9 9.0 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10	111 55 88 89 111 200 155 177 111 5 15 10 244 87 713 66 99 333 177 12 27	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 4.81 2.54 4.84 -1.8 4.7 9	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.99 5.06 14.83 5.1 7.16 8 12.83 9.18 3.89 7.2 5.9 9.07	111 33888991002116688551441002113669932141220	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.3% 1.3% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69]	
S.1.2 Without outliers Skin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Duff et al., 2015 Housman et al., 2009 Houng et al., 2019 In et al., 2012 Giper et al., 2012 Giper et al., 2014 Lee et al., 2014 Lee et al., 2014 Lee et al., 2016 Duff et al., 2019 Duff et al., 2017 Brouster-Amft et al., 2018	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 1.5 1.5 1.5 2.85 0.8 0.2 8.34 4.3 5.4 4.3 5.4 1.7 24.37	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.41 0.41 17.7 10.51 17.78 4.9 9.01 10.47 17.28 4.9 4.9 4.9 5.9 7.22 11.42 15.2	111 55 8 8 9 111 205 157 111 5 155 100 24 8 7 7 13 6 9 9 33 17 12 22 27 11 12 27 11 11 12 13 14 14 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0.4 6.5 6.5 1.5 2.9 0.64 8.3 -1.6 6.2 0.28 8 5 4.81 2.54 4.7 6.2 3.5 4.8 4.7 9 20.17	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 12.61 21.5	111 3 3 8 8 9 100 21 166 8 5 5 144 100 7 7 13 6 6 9 9 32 14 12 200 32	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.0% 2.0% 1.2% 0.7% 1.7% 1.4% 1.5% 1.3% 1.3% 1.0% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08]	
S.1.2 Without outliers Sakin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Couff et al., 2012 Givon et al., 2015 Houng et al., 2019 In et al., 2012 Gime et al., 2012 Gime et al., 2012 Gime et al., 2012 Gime et al., 2014 Cottlink et al., 2014 Lee et al., 2014 Lee et al., 2016 Levin et al., 2019 Orouzi et al., 2019 Orouzi et al., 2019 Orouzi et al., 2019 Corouzi et al., 2010 Corouzi et al., 2017 Corouzi et al., 2017 Corouzi et al., 2018 Corouzi et al., 201	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.28 14.66 4.78 4.9 5.9 7.22 11.42 4.61	111 55 88 9 111 200 155 177 111 5 100 244 87 7 133 66 9 9 333 17 12 227 111 222 18	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 8.5 4.81 2.54 3.4 4.7 9.7 2.71	10.56 10.3 10.3 7.25 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 5.06 14.83 5.16 10.48 12.83 9.18 3.89 9.07 12.61 21.5 3.12	111 3 3 8 8 9 100 21 166 8 5 5 14 10 21 10 7 7 13 6 9 9 32 20 10 11 11 11 11 11 11 11 11 11 11 11 11	1.5% 0.6% 1.2% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.3% 1.3% 1.3% 1.5% 2.5% 1.5% 2.5% 1.5% 2.5%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.63, 0.75] Not estimable	
S.1.2 Without outliers skin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2015 Duff et al., 2012 Duff et al., 2015 Housman et al., 2009 Hung et al., 2019 n et al., 2012 Giper et al., 2012 Giper et al., 2014 Gottink et al., 2014 Lee et al., 2018 Leevin et al., 2019 Dy et al., 201	1.75 2.8 1.8 -0.2 4.9 3.1 0.47 -0.3 0.1 0.085 26.35 1.5, 7.3,9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 9.01 10.47 17.28 14.66 4.78 4.9 5.9 7.22 11.42 15.6	111 5 5 8 8 9 9 111 200 15 17 11 5 15 12 12 17 11 1 22 17 11 1 22 17 11 1 22 18 7	0.4 6.5 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 6.5 4.81 4.7 9 20.17 -2.71 -3.5	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.9 5.06 14.83 5.1 7.16 8.12 8.9 9.07 12.61 21.5 8.01	111 3 3 8 8 9 9 100 21 16 16 8 8 5 14 100 21 100 7 7 13 6 9 32 2 100 32 2 17 7 7	1.5% 0.6% 1.2% 1.3% 1.5% 2.0% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.0% 2.5% 1.3% 1.5% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.82, 1.51] 0.03 [-0.74, 0.80] -0.16 [-1.29, 0.98] 0.14 [-0.79, 1.07] Not estimable 0.02 [-0.33, 0.76] Not estimable 0.89 [-0.22, 2.01]	
Fest for overall effect: Z = 2.  3.1.2 Without outliers  Askin et al., 2018  Broeren et al., 2008  Byl et al., 2013 (a)  Byl et al., 2015 (a)  Chen et al., 2015 (a)  Chen et al., 2015 (b)  Crosbie et al., 2012  Gwon et al., 2012  Gwon et al., 2019  Hung et al., 2019  I ang et al., 2019  I ang et al., 2014  Lee et al., 2014  Lee et al., 2014  Levin et al., 2019  Orgun et al., 2019  Park et al., 2019  Park et al., 2019  Chen et al., 2010  Chen et al., 2017  Chen et al., 2017  Chen et al., 2013  Chen et al., 2013	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.65 26.35 4 8.5 1.57 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1 7.6	13.3 10 8.32 11.25 12.13.12 13.12 13.12 0.36 14.64 0.41 32.09 4.84 7.7 10.51 17.78 4.9 9.01 10.47 10.47 10.51 17.78 4.9 9.01 10.47 10.51 1	111 5 5 8 8 9 9 111 200 15 15 17 11 5 5 15 10 24 8 7 7 33 37 17 12 27 11 22 27 18 7 263	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.07 3.43 3-1.6 2 0.28 8 6 5 4.81 2.54 4.7 9 7 2.71 -3.7 6.9 6.9	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 9.07 12.61 21.5 3.01 12.99	111 3 3 8 8 9 10 21 16 16 8 8 5 14 10 21 10 7 7 13 32 20 10 32 21 17 7 7 113	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 1.2% 0.7% 1.7% 1.3% 1.5% 2.5% 1.3% 1.7% 1.5% 2.5% 1.3% 1.7% 1.5% 2.7%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.33, 0.76] Not estimable 0.89 [-0.22, 2.01] 0.06 [-0.17, 0.28]	
S.1.2 Without outliers Skin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Diff et al., 2012 Diff et al., 2015 Housman et al., 2009 Houng et al., 2019 In et al., 2012 Giper et al., 2014 Gee et al., 2014 Lee et al., 2014 Lee et al., 2018 Double et al., 2019 Double et al., 2019 Double et al., 2016 Levin et al., 2019 Double et al.,	1.75 2.8 1.8 -0.2 4.9 3.1 0.47 -0.3 0.1 0.085 26.35 1.5, 7.3,9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.78 9.01 10.47 17.28 14.66 4.78 4.9 5.9 7.22 11.42 15.6	111 5 5 8 8 9 9 111 200 15 5 17 11 5 5 15 10 10 24 8 8 7 7 13 3 17 12 22 18 8 7 7 12 22 18 8 7 7 12 22 18 8 7 7 19 10 10 10 10 10 10 10 10 10 10 10 10 10	0.4 6.5 6.5 6.5 1.5 2.9 0.54 8.3 0.1 0.07 3.43 -1.6 6.5 4.81 4.7 9 20.17 -2.71 -3.5	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.9 5.06 14.83 5.1 7.16 8.12 8.9 9.07 12.61 21.5 8.01	111 3 3 8 8 9 100 211 166 18 5 5 14 4 1100 7 7 13 6 6 9 32 14 110 32 17 7 113 8 8	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.3% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.0% 1.3% 2.5% 1.3% 1.5% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.79, 0.76] Not estimable 0.89 [-0.22, 2.01] 0.06 [-0.17, 0.28] 0.48 [-0.49, 1.44]	
skin et al., 2018 broeren et al., 2018 broeren et al., 2018 by et al., 2013 (a) by et al., 2013 (b) chen et al., 2015 (a) chen et al., 2015 (b) crosbie et al., 2012 broot et al., 2012 broot et al., 2015 dougnan et al., 2019 n et al., 2019 n et al., 2012 dime et al., 2012 dime et al., 2012 dime et al., 2014 dottink et al., 2014 dee et al., 2018 dee et al., 2019 cert et al., 2019 cert et al., 2019 diper et al., 2010 diper et al., 2011 diper et al., 2014 diper et al., 2016	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1 7.6 0.7 Chi² = 22	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.28 14.66 4.78 4.9 5.9 7.22 11.42 2.3 2.44, df:	111 5 5 8 8 9 9 111 200 15 5 10 17 11 5 15 10 10 24 8 7 7 13 17 11 22 27 18 7 7 26 3 9 603	0.4 6.5 6.5 1.5 2.9 0.54 8.3 -1.6 2 0.28 8 5 4.81 2.54 4.8 4.7 9 20.17 2.71 -3.5 6.96 -0.6	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 12.61 21.5 3.12 8.01 12.99	111 3 3 8 8 9 100 21 166 8 5 14 4 100 7 7 13 6 6 9 32 14 12 200 32 17 7 7 113 8 444	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.3% 2.0% 1.2% 0.7% 1.7% 1.3% 1.5% 2.5% 1.3% 1.7% 1.5% 2.5% 1.3% 1.7% 1.5% 2.7%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.57 [-1.20, 0.05] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.33, 0.76] Not estimable 0.89 [-0.22, 2.01] 0.06 [-0.17, 0.28]	
S.1.2 Without outliers skin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2015 Duff et al., 2012 Duff et al., 2015 Housman et al., 2009 Hung et al., 2019 n et al., 2012 Giper et al., 2012 Giper et al., 2014 Gottink et al., 2014 Lee et al., 2018 Leevin et al., 2019 Dy et al., 201	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1 7.6 0.7 Chi² = 22	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.28 14.66 4.78 4.9 5.9 7.22 11.42 2.3 2.44, df:	111 5 5 8 8 9 9 111 200 15 5 10 17 11 5 15 10 10 24 8 7 7 13 17 11 22 27 18 7 7 26 3 9 603	0.4 6.5 6.5 1.5 2.9 0.54 8.3 -1.6 2 0.28 8 5 4.81 2.54 4.8 4.7 9 20.17 2.71 -3.5 6.96 -0.6	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 12.61 21.5 3.12 8.01 12.99	111 3 3 8 8 9 100 21 166 8 5 14 4 100 7 7 13 6 6 9 32 14 12 200 32 17 7 7 113 8 444	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.3% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.0% 1.3% 2.5% 1.3% 1.5% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.79, 0.76] Not estimable 0.89 [-0.22, 2.01] 0.06 [-0.17, 0.28] 0.48 [-0.49, 1.44]	
A.1.2 Without outliers Askin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2012 Duff et al., 2012 Divon et al., 2015 House at al., 2015 House at al., 2019 In et al., 2019 In et al., 2012 Iding et al., 2019 Iding et al., 2012 Iding et al., 2012 Iding et al., 2014 Cottlink et al., 2014 Lee et al., 2014 Lee et al., 2019 Dorouzi et al., 2010 Cand et al., 2017 Schuster-Amft et al., 2018 Sin et al., 2013 Condervan et al., 2016 Subtotal (95% CI) Heterogeneity: Tau² = 0.00;	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 1.5 1.5 7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 11.7 24.37 9.56 3.1 7.6 0.7 Chi² = 22	13.3 10 8.32 11.25 12 13.12 4.93 0.36 14.64 0.4 0.41 32.09 4.84 7.7 10.51 17.28 14.66 4.78 4.9 5.9 7.22 11.42 2.3 2.44, df:	111 5 5 8 8 9 9 111 200 15 5 10 17 11 5 15 10 10 24 8 7 7 13 17 11 22 27 18 7 7 26 3 9 603	0.4 6.5 6.5 1.5 2.9 0.54 8.3 -1.6 2 0.28 8 5 4.81 2.54 4.8 4.7 9 20.17 2.71 -3.5 6.96 -0.6	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 0.72 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 12.61 21.5 3.12 8.01 12.99	11 3 8 8 9 10 21 16 16 8 5 14 11 10 7 7 13 6 9 32 14 12 10 32 17 18 18 18 18 18 18 18 18 18 18	1.5% 0.6% 0.6% 1.2% 1.2% 1.3% 2.3% 2.0% 1.2% 0.7% 1.4% 2.5% 1.3% 1.0% 1.3% 2.5% 1.3% 1.5% 2.5% 1.3%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] -0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.79, 0.76] Not estimable 0.89 [-0.22, 2.01] 0.06 [-0.17, 0.28] 0.48 [-0.49, 1.44]	
skin et al., 2018 Broeren et al., 2018 Broeren et al., 2013 (a) By et al., 2013 (b) Chen et al., 2015 (b) Crosbie et al., 2015 Chosman et al., 2015 Brousman et al., 2015 Brousman et al., 2019 En et al., 2012 En et al., 2012 En et al., 2012 En et al., 2014 En et al., 2015 En et al., 2014 En et al., 2015 En et al., 2014 En et al., 2015 En et al., 2016 En et al., 2016 En et al., 2019 En et al., 2010 En et al., 2010 En et al., 2011 En et al., 2015 En et al., 2016 En et al., 2017 En et al., 2016 En et al., 2016 En et al., 2017 En et al., 2016 En et al., 2016 En et al., 2016 En et al., 2017 En et al., 2018 En et al., 2018 En et al., 2016 En et al., 2017 En et al., 2018 En et al., 201	1.75 2.8 1.8 -0.2 4.9 3.1 0.6 0.47 -0.3 0.1 0.085 26.35 4 8.5 1.5 15.7 3.9 8.71 2.85 0.8 0.2 8.34 4.3 5.6 6.11.7 24.37 9.56 3.1 7.6 0.7 Chi² = 22 78 (P = 0	13.3 10 8.32 11.25 12.13.12 13.12 4.93 0.36 14.64 0.41 17.77 10.51 17.78 4.9 9.01 10.47 17.28 4.9 5.9 7.22 11.42 15.2 4.61 5.6 12.42 2.3 2.44, df:	111 5 5 8 8 9 9 111 200 15 5 17 111 5 15 100 24 8 7 13 3 17 12 22 18 8 9 603 = 28 (P	0.4 6.5 6.5 1.5 1.5 2.9 0.54 8.3 0.07 3.43 -1.6 2 0.28 8 5 4.81 2.54 4.7 2.71 -3.5 6.9 -0.6 = 0.76)	10.56 10.3 10.3 7.25 7.25 11.72 0.28 14.75 0.7 7.67 5.91 3.29 5.06 14.83 5.1 7.16 10.48 12.83 9.18 3.89 7.2 5.9 12.61 21.5 3.12 8.01 12.99 2.9	111 3 3 8 8 8 9 100 21 166 8 8 5 144 1100 7 7 13 6 6 9 32 14 112 20 20 10 32 21 7 7 7 113 8 444 937	1.5% 0.6% 0.6% 1.2% 1.3% 1.5% 2.0% 1.2% 0.7% 1.7% 1.4% 2.5% 1.3% 1.0% 1.7% 1.5% 2.5% 1.3% 1.0% 1.7% 1.5% 1.2% 47.9%	0.22 [-0.61, 1.06] -0.45 [-1.92, 1.01] -0.53 [-2.01, 0.95] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.24 [-1.17, 0.68] -0.21 [-1.07, 0.65] 0.00 [-0.70, 0.70] 0.03 [-0.66, 0.71] 0.87 [-0.09, 1.83] 0.94 [-0.41, 2.28] 1.05 [0.27, 1.84] 0.14 [-0.74, 1.02] 0.46 [-0.13, 1.05] -0.21 [-1.14, 0.72] 0.45 [-0.62, 1.51] 0.03 [-0.74, 0.80] 0.14 [-0.79, 1.07] Not estimable -0.02 [-0.72, 0.69] -0.08 [-0.88, 0.72] 0.11 [-0.47, 0.69] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.64, 1.08] 0.22 [-0.70, 0.69] 0.25 [-0.70, 0.69] 0.26 [-0.71, 0.70] 0.70 [-0.71, 0.72] 0.71 [-0.71, 0.72] 0.72 [-0.72, 0.73] 0.73 [-0.74] 0.74 [-0.75] 0.75 [-0.75] 0.75 [-0.75] 0.75 [-0.75] 0.77 [-0.75]	-10 -5 0 5

Supplementary Figure 6.—Distribution.



# Supplementary Table VIII.—New technologies effects on motor function when provided in addition (all studies vs only time-matches interventions).

Study or Subgroup	Expe Mean	erimental SD		Mean	Control SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
3.1.1 In addition (all)							9	,,,	
Aisen et al., 1997	14.1	9.7	10	10.1	11.63	10	1.0%	0.36 [-0.53, 1.24]	<del></del>
Aprile et al., 2020	8.5	8.067	91	8.57	8.022	99	3.4%	-0.01 [-0.29, 0.28]	+
kskin et al., 2018	4.33	6.67	18	0.67	1.49	20	1.5%	0.76 [0.10, 1.42]	
Chen et al., 2015 (a)	15	12.18	8	10.9	4.26	8	0.8%	0.42 [-0.57, 1.42]	+
hen et al., 2015 (b)	7.6	12.45	8	10.9	4.26	8	0.8%	-0.34 [-1.32, 0.65]	
hoi et al., 2014	7.8	7.6	10	8.7	10	10	1.0%	-0.10 [-0.97, 0.78]	<del>-</del>
hoi et al., 2016	19.08	13.39	12	9.67	14.22	12	1.1%	0.66 [-0.17, 1.48]	<del></del>
la Silva Cameirao et al., 2011	46.7	11.35	8	42.5	15.38	8	0.8%	0.29 [-0.69, 1.28]	<del></del>
Dehem et al., 2019	19.5	18.55	15	10.8	19.58	17	1.4%	0.44 [-0.26, 1.15]	<del> </del>
Hsieh et al., 2016	11	8.22	16	10.53	12.25	15	1.4%	0.04 [-0.66, 0.75]	
lsieh et al., 2018	4.92	0.839	13	4.25	0.735	12	1.1%	0.82 [-0.00, 1.64]	
(iper et al., 2011	9.8	10.32	40	1.6	10.91	40	2.4%	0.76 [0.31, 1.22]	
(iperetal., 2011		10.32		3.14	10.9				
(iper et al., 2018	9.72		68			68	3.0%	0.60 [0.26, 0.95]	Ľ
ong et al., 2016	18.2	11.09	33	13.5	10.79	34	2.2%	0.42 [-0.06, 0.91]	_
(won et al., 2012	2.61	3.36	13	5.47	7.7	13	1.2%	-0.47 [-1.25, 0.31]	<u> </u>
_ee et al., 2014	4	2.66	12	2	1.6	12	1.0%	0.88 [0.03, 1.72]	
.ee et al., 2018	8.2	6.35	15	2.33	5.08	15	1.2%	0.99 [0.23, 1.76]	
.iao et al., 2012	6.3	5.64	10	1.3	7.92	10	0.9%	0.70 [-0.21, 1.61]	<del> </del>
/lasiero et al., 2007	12.8	5.5	17	7.5	9.5	18	1.4%	0.66 [-0.02, 1.35]	<del></del>
vlasiero et al., 2011	7.33	4.7	11	7.37	7.3	10	1.0%	-0.01 [-0.86, 0.85]	+
Masiero et al., 2014	11.66	5.35	14	9	10.3	16	1.3%	0.31 [-0.41, 1.03]	<del>-</del>
McCabe et al., 2015	7.7	3.84	12	9.9	5.05	11	1.1%	-0.48 [-1.31, 0.36]	<del></del>
Norouzi et al., 2019	2.1	11.42	9	-0.2	7.54	9	0.9%	0.23 [-0.70, 1.15]	<del></del>
Orihuela-Espina et al., 2016	9.11	4.07	9	6.87	3.18	8	0.8%	0.58 [-0.40, 1.56]	+
Park et al., 2016	5.2	0.9	15	4.2	1.4	15	1.2%	0.83 [0.08, 1.58]	<u> </u>
Park et al., 2017	9.8	4.85	10	6.2	5.22	10	0.9%	0.68 [-0.22, 1.59]	<del> </del>
Park et al., 2017	1.9	2.8	12	2.1	2.7	13	1.2%	-0.07 [-0.86, 0.71]	
rank et al., 2019 Prange et al., 2015					9.6				4
rrange et al., 2015 Rabadi et al., 2008	7.9	8.3	35	10.2		33	2.2%	-0.25 [-0.73, 0.22]	
	11.05	2.539	10	12.94	2.802	10	0.9%	-0.68 [-1.58, 0.23]	<u> </u>
Sale et al., 2013	17.18	10.27	9	19.5	16.66	11	1.0%	-0.16 [-1.04, 0.73]	T
Shin et al., 2014	11.7	6.46	9	6.3	7.44	7	0.8%	0.74 [-0.29, 1.77]	<del>                                      </del>
3hin et al., 2015	4.66	6.48	16	5.57	10.24	16	1.4%	-0.10 [-0.80, 0.59]	
3in et al., 2013	10.89	6.31	18	6.53	2.6	17	1.4%	0.87 [0.18, 1.57]	
Γhielbar et al., 2014	1.7	6.37	7	1.7	6.68	7	0.7%	0.00 [-1.05, 1.05]	+
Готіс et al., 2017	18	9.4	13	7.5	5.5	13	1.0%	1.32 [0.46, 2.18]	
Furolla et al., 2013	6.5	9.93	263	3	11.04	113	3.9%	0.34 [0.12, 0.56]	+
/iana et al., 2014	9.3	5.7	10	7.5	7.1	10	1.0%	0.27 [-0.61, 1.15]	<del></del>
/olpe et al., 2000	5	2.5	30	4	2	26	2.0%	0.43 [-0.10, 0.96]	<del> </del>
Nolfetal., 2015	9.3	11.203	47	9.567	11.073	45	2.6%	-0.02 [-0.43, 0.39]	+
/ang et al., 2012	6.1	5.05	7	2.7	7.628	7	0.7%	0.49 [-0.58, 1.56]	<del></del>
/in et al., 2014						12	1.1%	0.09 [-0.73, 0.91]	+
	15 33	16.92	11	13.66					
	15.33	16.92	11 994	13.66	20.01	848			•
Subtotal (95% CI) Heterogeneity: Tau² = 0.05; Chiª Fest for overall effect: Z = 4.85 (f	²= 61.17, ( P < 0.0000	df= 40 (P 01)	994 = 0.0				56.7%	0.32 [0.19, 0.45]	ľ
Subtotal (95% CI) Heterogeneity: Tau <sup>a</sup> = 0,05; Chi <sup>a</sup> Fest for overall effect: Z = 4.85 (f 3.1.2 In addition (only time-mat Nisen et al., 1997	s = 61.17, ( P < 0.0000 ched inter 14.1	df = 40 (P 01) rventions 9.7	994 = 0.0 (a)	2);	5% 11.63	10	56.7%	0.32 [0.19, 0.45]  Not estimable	
Subtotai (95% CI) Heterogeneity: Tau² = 0.05; Chi² Est for overall effect: Z = 4.85 (f B.1.2 In addition (only time-mat Alsen et al., 1997 Aprile et al., 2020	s = 61.17, ( P < 0.0000 ched inter 14.1 8.5	df = 40 (P 01) rventions 9.7 8.067	994 = 0.0: 5) 10 91	2); I <sup>z</sup> = 3 10.1 8.57	5% 11.63 8.022	10 99		0.32 [0.19, 0.45]  Not estimable -0.01 [-0.29, 0.28]	+
Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 0.05; Chi <sup>2</sup> Fest for overall effect: Z = 4.85 (f 3.1.2 In addition (only time-mat Nisen et al., 1997 Aprile et al., 2020 Askin et al., 2018	s = 61.17, ( o < 0.0000 ched inter 14.1 8.5 4.33	df = 40 (P 01) rventions 9.7 8.067 6.67	994 = 0.03 6) 10 91 18	2); I <sup>z</sup> = 3 10.1 8.57 0.67	5% 11.63 8.022 1.49	10 99 20	3.4%	0.32 [0.19, 0.45]  Not estimable -0.01 [-0.29, 0.28]  Not estimable	
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Subtotal (95% CI) - Heterogeneily. Tau* = 0.05; Chi* - Heterogeneily. Tau* = 0.05; Chi	*= 61.17, 0.0000  ched inter  14.1  14.1  14.3  15  15  17.6  7.8  9.7  19.5  11  4.92  2.61  4.4  2.63  12.8  3.1  1.65  7.3  11.65  9.8  9.7  2.1  9.11  9	df = 40 (P ventions 9.7 12.18 8.067 12.18 8.067 12.18 13.39 11.35 18.55 18.65 13.39 14.35 14.07 15.39 14.07 15.39	994 = 0.0. 10 991 18 8 10 12 15 16 13 33 12 15 10 17 11 14 12 9 9 9 16	2); P= 3 10.1 8.57 10.9 8.7 9.67 10.8 8.7 9.67 10.5 10.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	5% 11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 19.58 7.77 1.66 5.73 10.91 10.99 10.79	10 99 20 8 8 8 11 12 8 15 12 40 68 34 11 10 18 10 11 11 19 9 8 8 10 10 10 11 11 11 11 11 11 11 11 11 11	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.13% 0.8% 1.4% 1.13% 0.9% 1.2% 0.9% 1.3%	Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.48] 0.34 [-1.32, 0.65] -0.10 [-0.97, 0.78] 0.66 [-0.17, 1.48] 0.59 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.45 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.31, 1.22] 0.60 [0.25, 0.95] Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.31 [-0.41, 1.03] Not estimable Not estimable Not estimable 0.58 [-0.40, 1.56] Not estimable Not estimable 0.58 [-0.40, 1.56] Not estimable 0.58 [-0.40, 1.56] 0.75 [-0.86, 0.71] 0.25 [-0.73, 0.22] -0.86 [-1.86, 0.23] -0.16 [-1.04, 0.73] 0.74 [-0.29, 1.77] -0.16 [-1.04, 0.73] 0.74 [-0.29, 1.77] -0.10 [-0.80, 0.59]	
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Subtotal (95% CI) Heterogeneily, Tau* = 0.05; Chi* Frestfor overall effect Z = 4.85 (f 3.1.2 In addition (only time-mat Nisen et al., 1907 Askin et al., 2018 Shen et al., 2018 Chen et al., 2015 Choi et al., 2015 Choi et al., 2016 Askin et al., 2015 Choi et al., 2016 Askin et al., 2016 Askin et al., 2016 Askin et al., 2016 Askin et al., 2011 Chen et al., 2018 Askin et al., 2014 Askin et al., 2014 Askin et al., 2017 Askin et al., 2017 Park et al., 2017 Park et al., 2017 Park et al., 2018 Askin et al., 2019 Parange et al., 2017 Park et al., 2019 Parange et al., 2015 Askin et al., 2014 Askin et al., 2015 Askin et al., 2013 Thielbar et al., 2017 Furrolla et al., 2017	*= 61.17, 0.0000  ched inter 14.1 14.1 14.5 4.33 15 7.6 7.8 40.7 19.5 11 4.92 2.61 4.9 9.8 9.72 2.61 4.9 1.8 2.2.61 4.9 1.9 9.8 9.72 2.1 1.1 5.2 2.8 1.3 1.1 5.2 2.8 1.3 1.1 5.2 2.8 1.3 1.8 1.9 7.7 2.1 1.1 5.2 2.8 1.9 1.7 2.1 4.8 2.8 2.8 3.3 3.1 3.8 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	df = 40 (P	994 = 0.0 10 91 18 8 10 12 8 15 16 68 13 33 40 68 17 11 14 12 9 15 10 12 35 10 12 36 18 7	2); P = 3 10.11 8.57 0.67 10.9 8.7 42.5 10.5 4.25 5.47 2.23 1.35 7.37 9.9 -0.2 2.1 10.2 2.1 10.2 3.1 4.2 6.3 6.3 1.3 7.37 9.8 -0.2 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	5% 11.63 8.022 1.49 4.26 10 10.91 10.91 10.91 10.91 10.91 10.93 10.73 7.7 1.6 5.08 7.3 10.3 5.05 7.3 10.3	100 99 200 8 8 8 100 12 2 400 101 115 101 1119 9 8 115 110 1119 1119 1119 1119	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 3.0% 1.2% 2.4% 3.0% 1.2% 0.8% 1.2% 0.8% 1.4% 0.7%	0.32 [0.19, 0.45]  Not estimable -0.01 [-0.29, 0.29] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] -0.10 [-0.97, 0.74] 0.29 [-0.69, 1.29] 0.46 [-0.26, 1.15] 0.44 [-0.26, 1.15] 0.44 [-0.26, 1.15] 0.45 [-0.27, 1.48] 0.26 [-0.31, 1.42] 0.60 [-0.27, 1.48] 0.76 [-0.31, 1.42] 0.60 [-0.27, 1.48] 0.76 [-0.27, 1.48] 0.77 [-0.27, 1.61] 0.79 [-0.27, 1.61] 0.79 [-0.27, 1.61] 0.79 [-0.27, 1.61] 0.79 [-0.27, 1.61] 0.79 [-0.27, 1.61] 0.79 [-0.27, 1.67] 0.79 [-0.27, 1.67] 0.79 [-0.27, 0.22] 0.79 [-0.27, 0.22] 0.79 [-0.27, 0.22] 0.79 [-0.27, 0.22] 0.71 [-0.27, 0.22] 0.71 [-0.27, 0.22] 0.71 [-0.27, 0.22] 0.72 [-0.27, 0.22] 0.74 [-0.27, 0.22] 0.75 [-0.27, 0.22] 0.76 [-0.27, 0.22] 0.77 [-0.27, 0.27] 0.77 [-0.27, 0.27] 0.77 [-0.27, 0.27] 0.79 [-0.27, 0.27] 0.	
Subtotal (95% CI) Heterogeneity. Tau* = 0.05; Chi* Heterogeneity.	*= 61.17, 0.0000  ched inter  14.1  14.1  14.3  15  4.33  15  7.8  7.8  9.72  18.2  2.61  4.4  2.2  3.3  11.66  7.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.72  18.2  9.8  9.73  11.0  11.0  11.7  18.8  11.7  14.66  10.89  1.7  18.8	df = 40 (P (P (T )) (	994 = 0.0 91 18 8 8 10 12 8 15 16 16 13 14 12 9 9 15 10 12 35 5 10 10 12 35 10 10 17 7 13 18 18 7 7 13	2); P= 3 10.1 8.57 0.67 10.9 8.7 42.5 10.8 4.25 10.63 4.25 2.3 3.14 13.5 5.47 2.3 3.13 7.5 6.47 2.2 2.3 1.3 7.3 6.2 6.8 7.3 6.2 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	5% 111.63 8.022 1.49 4.26 4.26 1.42 15.38 10.25 10.91 1	10 99 8 8 10 12 40 68 8 17 15 10 16 17 7 13	3.4% 0.8% 0.8% 1.0% 1.19% 2.4% 3.0% 1.2% 0.9% 1.43% 1.19% 0.8% 1.2% 0.9% 1.4% 1.10% 0.8%	Not estimable -0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.29, 0.28] Not estimable 0.42 [-0.57, 1.29, 0.65] -0.10 [-0.97, 0.78] 0.66 [-0.17, 1.48] 0.29 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.66] 0.76 [0.31, 1.22] 0.60 [0.26, 0.95] Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.31 [-0.41, 1.03] Not estimable 0.56 [-0.04, 1.56] Not estimable 0.56 [-0.06, 0.77] 0.76 [-0.28, 0.77] 0.76 [-0.28, 0.77] 0.77 [-0.28, 0.77] 0.78 [-0.28, 0.77] 0.78 [-0.28, 0.77] 0.79 [-0.28, 0.77] 0.74 [-0.29, 1.77] 0.74 [-0.29, 1.77] 0.74 [-0.29, 1.77] 0.74 [-0.29, 1.77] 0.74 [-0.29, 1.77] 0.74 [-0.29, 1.77] 0.75 [-0.0, 0.59] Not estimable 0.00 [-1.05, 0.51] 0.00 [-1.05, 1.05]	
Subtotal (95% CI) - Heterogeneily. Tau* = 0.05; Chi* - Heterogeneily. Heterogeneily	**= 61.17, 0.0000  **ched inter**  14.1  14.1  14.1  14.3  15  16.7  7.8  9.7  19.5  11  4.92  2.61  4.4  2.8  3.3  12.8  9.72  2.61  4.9  1.9  1.1  5.2  9.8  1.7  2.1  9.1  1.1  5.2  9.8  1.7  2.1  9.1  1.1  5.2  9.8  1.7  2.1  9.1  9.1  9.1  9.1  9.1  9.1  9.1	df = 40 (P	994 = 0.0   91   18   8   8   10   91   16   16   17   17   17   17   17   1	2); P = 3 10.11 8.57 0.67 10.9 8.7 42.5 10.5 4.25 5.47 2.23 1.35 7.37 9.9 -0.2 2.1 10.2 2.1 10.2 3.1 4.2 6.3 6.3 1.3 7.37 9.8 -0.2 6.8 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	5%  11.63 8.022 1.49 4.26 4.26 100 14.22 15.38 12.25 10.91 10.91 10.97 16.68 7.77 1.6 5.08 7.92 5.73 10.31 5.05 7.34 10.31 5.05 7.34 10.32 10.30	100 99 200 8 8 8 100 12 2 400 101 115 101 1119 9 8 115 110 1119 1119 1119 1119	3.4% 0.8% 0.8% 1.0% 1.19% 2.4% 3.0% 1.2% 0.9% 1.43% 1.19% 0.8% 1.2% 0.9% 1.4% 1.10% 0.8%	Not estimable -0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.48] 0.34 [-1.32, 0.65] -0.10 [-0.97, 0.78] 0.66 [-0.17, 1.48] 0.29 [-0.69, 1.28] 0.44 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [-0.31, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable 0.88 [0.03, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.86 [-0.02, 1.35] 0.31 [-0.41, 1.03] Not estimable Not estimable Not estimable 0.75 [-0.40, 1.56] Not estimable 1.00 [-1.08, 0.73] 0.74 [-0.29, 1.77] 0.75 [-0.86, 1.78] 0.75 [-0.86, 0.71] 0.75 [-0.78, 0.22] 0.86 [-1.80, 0.25] Not estimable 1.32 [0.46, 2.18] 0.34 [0.12, 0.56] Not estimable	
Subtotal (95% CI) Helstrogeneily, Tau* = 0.05; Chi* Helstrogeneily, 1997 He	= 61.17, 0.0000  ched inter 14.1 4.1 4.5 4.33 15 7.6 7.8 9.7 19.5 9.8 9.72 2.61 4.9 2.261 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 4.9 2.261 1.1 6.5 9.3 1.9 1.7 1.8 1.9 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.7 1.8 1.9 1.9 1.7 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	df = 40 (P	994 = 0.0 91 10 91 18 8 8 10 10 68 33 112 15 16 17 11 14 12 9 9 15 10 12 35 10 10 12 35 10 10 12 35 10 10 12 35 10 10 12 35 10 10 10 10 10 10 10 10 10 10 10 10 10	2); P = 3  10.1 18.57 0.67 10.9 8.7 10.9 8.7 42.5 10.8 10.53 4.26 1.31 4.26 1.31 1.3 7.37 7.9 9.9 9.9 9.0 2 2.1 12.94 19.5 6.3 5.57 7.7 7.5 6.3 7.5 6.5 3 7.5 6.5 3 7.5 6 4 6 6 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5%  11.63 8.022 1.49 4.26 4.26 100 14.22 15.38 12.25 0.735 7.73 10.91 10	100 99 200 8 8 100 12 8 8 17 15 12 15 10 18 18 10 11 9 8 15 10 11 7 7 16 17 7 7 11 11 11 11 11 11 11 11 11 11 11	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.14% 1.14% 1.13% 0.8% 1.2% 0.9% 1.2% 0.9% 1.2% 0.9% 1.4% 1.0% 1.2% 0.9% 1.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.71, 1.48] 0.29 [-0.89, 1.28] 0.46 [-0.27, 1.48] 0.29 [-0.89, 1.28] 0.46 [-0.27, 1.48] 0.76 [-0.31, 1.22] 0.60 [-0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.76 [-0.02, 1.35] 0.71 [-0.41, 1.03] Not estimable Not estimable 0.86 [-0.73, 0.22] 0.88 [-1.58, 0.37] 0.74 [-0.29, 1.77] 0.10 [-0.88, 0.85] Not estimable 0.07 [-0.88, 0.71] 0.15 [-0.80, 0.75] Not estimable 0.15 [-0.40, 1.56] Not estimable 0.16 [-1.04, 0.73] 0.74 [-0.29, 1.77] 0.10 [-0.80, 0.59] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.04 [-1.01, 0.56] Not estimable 0.04 [-1.01, 0.96]	
Subtotal (95% CI) -leterogeneily. Tau* = 0.05; Chi* -leterogeneily. Substantial (1907) -le	*= 61.17, 0.0000  ched inter  14.1  14.1  14.1  14.3  15  16.7  18.7  19.5  11  14.9  19.0  11  14.9  19.0  10.0  11  11.0  11.0  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11	df = 40 (P (P (1))) (P (1)) (P	994 = 0.0 91 18 8 8 10 12 8 15 16 16 13 40 17 17 11 11 14 12 9 9 16 18 17 17 17 17 17 17 17 17 17 17 17 17 17	2); P = 3  10.11 8.57 0.67 10.9 8.7 10.9 8.7 42.5 1.6 3.14 13.6 5.47 2.2 3.3 1.3 7.3 9.9 9.2 6.2 2.1 10.2 4.2 6.2 2.1 10.2 6.3 5.57 6.53 7.6 4 9.567	5%  11.63 8.022 1.49 4.26 10 14.21 15.38 19.58 19.58 10.79 1	100 99 920 88 100 122 89 175 124 40 668 344 13 125 15 100 116 17 7 13 113 110 266 45	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.4% 1.1% 3.0% 1.24% 3.0% 1.28% 0.9% 1.3% 0.8% 1.2% 2.2% 2.2% 3.9% 1.0% 3.9%	Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.7] 0.66 [-0.17, 1.48] 0.29 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.40 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.33, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.86, 0.85] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.56 [-0.40, 1.56] Not estimable 0.56 [-0.40, 1.56] Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.45, 0.23] 0.16 [-1.04, 0.73] 0.16 [-1.04, 0.73] 0.16 [-1.05, 0.59] Not estimable 0.00 [-1.05, 0.59] Not estimable 0.00 [-1.05, 0.05] Not estimable 0.01 [-0.50, 0.59] Not estimable	
Subtotal (95% CI)	*= 61.17, 0.0000  ched inter 14.1 14.1 8.5 4.33 15 7.6 7.8 9.7 19.5 19.5 19.8 2.66 1.7 9.11 5.2 2.67 11.66 7.7 9.11 5.2 2.67 11.66 7.7 9.8 1.9 11.05 1.7 4.66 9.3 1.0 6.5 9.3 6.1	df = 40 (P (P (11)) (	994 (1 = 0.0   91   18   8   8   19   10   12   12   15   16   13   12   15   16   17   17   17   17   17   17   17	2); F= 3  10.1 18.57 0.67 10.9 10.9 8.7 42.5 16.6 3.14 16.6 3.14 16.6 3.14 17.6 16.6 3.14 10.2 2.33 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	5%  111.63 8.022 1.49 4.26 4.26 4.26 10.22 15.38 12.25 10.91 10.9 7.77 1.6 5.08 7.92 2.7 2.6 6.68 6.44 10.24 6.68 6.88 6.88 6.11 1.1 2 11.073 7.628	10 99 20 8 8 10 12 8 8 17 15 12 40 68 83 12 15 10 11 11 9 8 15 10 11 11 7 16 11 17 17 17 17 17 17 17 17 17 17 17 17	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.14% 1.14% 1.13% 0.8% 1.2% 0.9% 1.2% 0.9% 1.2% 0.9% 1.4% 1.0% 1.2% 0.9% 1.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.10 [-0.97, 0.74] 0.28 [-0.98, 1.28] 0.46 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.31, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.44, 1.03] Not estimable Not estimable 0.07 [-0.86, 0.75] Not estimable 0.08 [-0.73, 0.22] 0.68 [-1.73, 0.22] 0.68 [-1.73, 0.22] 0.68 [-1.74, 0.75] 0.74 [-0.29, 1.77] -0.10 [-0.80, 0.75] Not estimable 0.00 [-1.05, 1.05] 0.04 [-0.74, 0.34] 0.34 [0.12, 0.56] 0.49 [-0.78, 1.56]	
Subtotal (95% CI) -leterogeneily. Tau* = 0.05; Chi* -leterogeneily. Goldeneilyleterogeneily. Goldeneilyleterogen	*= 61.17, 0.0000  ched inter  14.1  14.1  14.1  14.3  15  16.7  18.7  19.5  11  14.9  19.0  11  14.9  19.0  10.0  11  11.0  11.0  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11.1  11.0  11	df = 40 (P (P (1))) (P (1)) (P	994 (2 = 0.0   91   18   8   8   10   12   8   15   16   16   16   17   17   17   17   17	2); P = 3  10.11 8.57 0.67 10.9 8.7 10.9 8.7 42.5 1.6 3.14 13.6 5.47 2.2 3.3 1.3 7.3 9.9 9.2 6.2 2.1 10.2 4.2 6.2 2.1 10.2 6.3 5.57 6.53 7.6 4 9.567	5%  11.63 8.022 1.49 4.26 10 14.21 15.38 19.58 19.58 10.79 1	100 99 200 8 8 100 12 40 40 68 34 41 13 12 15 10 10 11 11 9 9 8 17 7 7 7 7 7 13 13 11 10 10 10 10 10 10 10 10 10 10 10 10	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.1% 3.0% 1.2% 2.4% 3.0% 1.2% 2.4% 1.0% 1.2% 0.9% 1.4% 1.0% 1.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.29] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.74] 0.29 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.33, 1.22] 0.80 [0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.86, 0.85] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.46, 1.56] Not estimable 0.75 [-0.47, 0.22] 0.16 [-1.56, 0.23] 0.16 [-1.05, 1.05] Not estimable 0.75 [-0.46, 2.13] 0.45 [-0.29, 1.77] 0.10 [-0.80, 0.59] 0.45 [-0.10, 0.96] 0.47 [-0.47, 0.33] 0.48 [-0.58, 1.56] Not estimable	
Subtotal (95% CI) - Heterogeneity. Tau* = 0.05; Chi* - Heterogeneity. Heterogeneity	**= 61.17, 0.0000  **ched inter**  14.1  14.1  14.3  15.5  4.33  15.7  7.6  7.8  9.72  18.2  2.61  4.9  9.8  9.72  18.2  6.3  11.66  7.33  11.66  7.33  11.66  7.33  11.66  11.7  11.7  11.7  11.7  11.7  11.9  11	sf = 40 (P (P (1))) (S (1)) (S	994 (1 = 0.0) (1	2); F= 3 10.1 8.57 0.67 10.9 8.7 10.9 8.7 42.5 10.8 3.14 13.5 5.47 2.3 3.13 7.5 6.47 2.3 2.1 10.2 6.2 6.3 7.5 6.4 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7	5%  11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 7.73 10.91 10.99 10.79 16.6 5.74 3.18 5.22 7.33 10.3 5.73 10.3 5.73 10.3 5.73 10.3 5.74 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	10 99 20 8 8 10 12 8 8 17 15 12 40 68 83 12 15 10 11 11 9 8 15 10 11 11 7 16 11 17 17 17 17 17 17 17 17 17 17 17 17	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.4% 1.1% 3.0% 1.24% 3.0% 1.28% 0.9% 1.3% 0.8% 1.2% 2.2% 2.2% 3.9% 1.0% 3.9%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] -0.34 [-1.32, 0.65] -0.10 [-0.97, 0.74] 0.28 [-0.98, 1.28] 0.46 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.31, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.44, 1.03] Not estimable Not estimable 0.07 [-0.86, 0.75] Not estimable 0.08 [-0.73, 0.22] 0.68 [-1.73, 0.22] 0.68 [-1.73, 0.22] 0.68 [-1.74, 0.75] 0.74 [-0.29, 1.77] -0.10 [-0.80, 0.75] Not estimable 0.00 [-1.05, 1.05] 0.04 [-0.74, 0.34] 0.34 [0.12, 0.56] 0.49 [-0.78, 1.56]	
subtotal (95% CI) teletrogeneity: Tau" = 0.05; Chi teletrogeneity: Cause of the control teletrogeneit	*= 61.17, 0.0000  ched inter 14.1 8.5 4.33 15 7.6 7.8 9.7 19.5 11 4.92 2.61 14.92 2.61 4.9 9.7 9.11 5.2 9.8 1.9 11.66 17.18 11.66 17.18 19.11 5.2 9.8 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 18 1.9 11.65 17.18 18 18 18 19.9 11.65 17.18 18 18 18 18 19.9 11.65 17.18 18 18 18 18 18 18 18 18 18 18 18 18 1	df = 40 (P (P (11)) (	994 (1 = 0.0) (1	2); F= 3 10.1 8.57 0.67 10.9 8.7 10.9 8.7 42.5 10.8 3.14 13.5 5.47 2.3 3.13 7.5 6.47 2.3 2.1 10.2 6.2 6.3 7.5 6.4 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7	5%  11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 7.73 10.91 10.99 10.79 16.6 5.74 3.18 5.22 7.33 10.3 5.73 10.3 5.73 10.3 5.73 10.3 5.74 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	100 99 200 8 8 100 12 40 40 68 34 41 13 12 15 10 10 11 11 9 9 8 17 7 7 7 7 7 13 13 11 10 10 10 10 10 10 10 10 10 10 10 10	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.1% 3.0% 1.2% 2.4% 3.0% 1.2% 2.4% 1.0% 1.2% 0.9% 1.4% 1.0% 1.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.29] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.74] 0.29 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.33, 1.22] 0.80 [0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.86, 0.85] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.46, 1.56] Not estimable 0.75 [-0.47, 0.22] 0.16 [-1.56, 0.23] 0.16 [-1.05, 1.05] Not estimable 0.75 [-0.46, 2.13] 0.45 [-0.29, 1.77] 0.10 [-0.80, 0.59] 0.45 [-0.10, 0.96] 0.47 [-0.47, 0.33] 0.48 [-0.58, 1.56] Not estimable	
Subtotal (95% CI)	*= 61.17, 0.0000  ched inter 14.1 8.5 4.33 15 7.6 7.8 9.7 19.5 11 4.92 2.61 14.92 2.61 4.9 9.7 9.11 5.2 9.8 1.9 11.66 17.18 11.66 17.18 19.11 5.2 9.8 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 1.9 11.65 17.18 18 1.9 11.65 17.18 18 18 18 19.9 11.65 17.18 18 18 18 18 19.9 11.65 17.18 18 18 18 18 18 18 18 18 18 18 18 18 1	df = 40 (P (P (1)))  rventions 9.7  8.067 6.67  7.6  12.18  12.45  7.6  8.22  0.839  10.32  10.76  8.22  0.839  10.32  10.76  8.22  0.839  10.32  10.76  8.22  10.76  8.22  10.76  6.35  5.47  7.99  10.77  10.79  1	994 (1 = 0.0) (1	2); F= 3 10.1 8.57 0.67 10.9 8.7 10.9 8.7 42.5 10.8 3.14 13.5 5.47 2.3 3.13 7.5 6.47 2.3 2.1 10.2 6.2 6.3 7.5 6.4 7.5 7.7 7.7 7.7 7.7 7.7 7.7 7.7	5%  11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 7.73 10.91 10.99 10.79 16.6 5.74 3.18 5.22 7.33 10.3 5.73 10.3 5.73 10.3 5.73 10.3 5.74 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9	10 99 20 8 8 10 12 8 8 17 15 12 40 68 31 12 15 10 11 11 9 8 15 10 11 11 7 16 17 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.14% 1.13% 0.8% 1.2% 0.9% 1.2% 0.9% 1.3% 0.8% 1.2% 0.9% 1.4% 1.0% 3.0% 43.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.78] 0.66 [-0.17, 1.48] 0.29 [-0.99, 1.28] 0.46 [-0.26, 1.15] 0.44 [-0.26, 1.15] 0.45 [-0.26, 1.15] 0.46 [-0.31, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.76 [-0.02, 1.35] 0.01 [-0.86, 0.85] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.56 [-0.40, 1.56] Not estimable 0.07 [-0.86, 0.71] 0.25 [-0.73, 0.22] 0.68 [-1.58, 0.23] 0.16 [-1.04, 0.35] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.34 [-0.10, 0.96] 0.34 [-0.10, 0.96] 0.02 [-0.43, 0.39] 0.49 [-0.58, 1.56] Not estimable 0.31 [0.16, 0.46]	
subtotal (95% CI) eleterogeneity. Tau* = 0.05; Chi* elet for overall effect. Z = 4.85 (f 5.1.2 in addition (only time-mat issen et al., 1997 yurile et al., 2020 kskin et al., 2018 Shen et al., 2015 (a) Shen et al., 2015 (b) Shoi et al., 2016 da Silva Cameirao et al., 2011 Oehem et al., 2016 da Silva Cameirao et al., 2011 Oehem et al., 2018 disleh et al., 2018 disleh et al., 2018 dyor et al., 2018 Gwon et al., 2011 Gwon et al., 2011 Assiero et al., 2012 a.e. et al., 2014 d.e. et al., 2018 disleh et al., 2016 swon et al., 2017 dasiero et al., 2011 dasiero et al., 2014 daccabe et al., 2014 daccabe et al., 2015 orouzi et al., 2016 Park et al., 2017 Park et al., 2018 Salve et al., 2019 Thuela-Espia et al., 2016 Park et al., 2017 Park et al., 2017 Park et al., 2018 Shin et al., 2013 Shin et al., 2013 Shin et al., 2013 Mana et al., 2014 Golpe et al., 2014 Volif et al., 2015 (a) Mana et al., 2014 Volif et al., 2015 (a) Mana et al., 2014 Volif et al., 2015 (a) Helerogeneity Tau* = 0.05; Chi* Test for overall effect: Z = 4.07 (f Total (95% CI)	*= 61.17, 0	df = 40 (P	994 (1 = 0.0) (1	2); P = 3  10.1 8.57 0.67 10.9 8.7 42.5 1.6 3.14 4.25 5.47 2.33 1.3 7.37 9.9 9.0 6.2 6.2 1.1 10.2 110.	5%  11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 19.58 7.77 1.68 7.92 9.002 16.66 7.33 10.31 10.32 10.32 10.32 10.33 10.3	10 99 20 8 8 10 12 8 8 17 15 12 40 68 31 12 15 10 11 11 9 8 15 10 11 11 7 16 17 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.1% 3.0% 1.2% 2.4% 3.0% 1.2% 2.4% 1.0% 1.2% 0.9% 1.4% 1.0% 1.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.29] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.74] 0.29 [-0.69, 1.28] 0.44 [-0.26, 1.15] 0.46 [-0.66, 0.75] 0.82 [-0.00, 1.64] 0.76 [0.33, 1.22] 0.80 [0.26, 0.95] Not estimable Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.66 [-0.02, 1.35] 0.01 [-0.86, 0.85] 0.31 [-0.41, 1.03] Not estimable Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.40, 1.56] Not estimable 0.75 [-0.46, 1.56] Not estimable 0.75 [-0.47, 0.22] 0.16 [-1.56, 0.23] 0.16 [-1.05, 1.05] Not estimable 0.75 [-0.46, 2.13] 0.45 [-0.29, 1.77] 0.10 [-0.80, 0.59] 0.45 [-0.10, 0.96] 0.47 [-0.47, 0.33] 0.48 [-0.58, 1.56] Not estimable	
ubtotal (95% CI) est for overall effect Z = 4.85 (i .1.2 in addition (only time-mat isen et al., 1997 prile et al., 2012 skin et al., 2013 chen et al., 2015 chen et al., 2015 chen et al., 2015 chen et al., 2016 chen et al., 2016 chen et al., 2016 de a Silva Cameirao et al., 2011 behen et al., 2016 sish et al., 2018 de a Silva Cameirao et al., 2011 de silva Cameirao et al., 2011 disen et al., 2016 disen et al., 2016 disen et al., 2016 disen et al., 2011 diper et al., 2011 diper et al., 2016 disen et al., 2017 disero et al., 2017 dasiero et al., 2017 dasiero et al., 2017 dasiero et al., 2017 dasiero et al., 2018 drouzi et al., 2019 drivibuela-Espina et al., 2016 drark et al., 2017 arak et al., 2017 arak et al., 2017 drark et al., 2014 drouis et al., 2013 drare et al., 2014 drouis et al., 2013 dran et al., 2014 drouis et al., 2017 urolla et al., 2019 drouis et al., 2011 de drouis et al., 2019 drouis et al., 2019 drouis et al., 2019 drouis et al., 2011 dran et al., 2014 drouis et al., 2015 drouis et al., 2016 de	*= e1.17, 0.0000  ched inter 14.1 14.1 14.5 4.33 15 7.6 7.8 19.08 46.7 19.5 19.5 19.2 2.61 14.92 2.61 14.92 2.61 15.93 17.1 11.66 1.99 11.05 17.18 18.65 9.33 18.61 16.33 18.65 9.33 6.1 16.33 18.65 9.33 6.1 16.33	df = 40 (F of the first state of	994 (1 = 0.0) (1	2); P = 3  10.1 8.57 0.67 10.9 8.7 42.5 1.6 3.14 4.25 5.47 2.33 1.3 7.37 9.9 9.0 6.2 6.2 1.1 10.2 110.	5%  11.63 8.022 1.49 4.26 100 14.22 15.38 19.58 19.58 7.77 1.68 7.92 9.002 16.66 7.33 10.31 10.32 10.32 10.32 10.33 10.3	10 99 20 8 8 10 12 8 8 17 15 12 40 68 31 12 15 10 11 11 9 8 15 10 11 11 7 16 17 17 17 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	3.4% 0.8% 0.8% 1.0% 1.1% 0.8% 1.14% 1.14% 1.13% 0.8% 1.2% 0.9% 1.2% 0.9% 1.3% 0.8% 1.2% 0.9% 1.4% 1.0% 3.0% 43.3%	0.32 [0.19, 0.45]  Not estimable 0.01 [-0.29, 0.28] Not estimable 0.42 [-0.57, 1.42] 0.34 [-1.32, 0.65] 0.10 [-0.97, 0.78] 0.66 [-0.17, 1.48] 0.29 [-0.99, 1.28] 0.46 [-0.26, 1.15] 0.44 [-0.26, 1.15] 0.45 [-0.00, 1.64] 0.76 [0.31, 1.22] 0.60 [0.26, 0.95] Not estimable Not estimable 0.88 [0.03, 1.72] 0.99 [0.23, 1.76] 0.70 [-0.21, 1.61] 0.76 [-0.02, 1.35] 0.71 [-0.41, 1.03] Not estimable Not estimable 0.56 [-0.40, 1.56] Not estimable 0.07 [-0.86, 0.73] 0.74 [-0.29, 1.77] 0.10 [-0.80, 0.59] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.00 [-1.05, 1.05] Not estimable 0.43 [-0.10, 0.96] 0.43 [-0.10, 0.96] 0.49 [-0.48, 1.58] 0.49 [-0.58, 1.56] Not estimable 0.41 [-0.10, 0.96] 0.02 [-0.43, 0.39] 0.49 [-0.58, 1.56] Not estimable 0.31 [0.16, 0.46]	

Supplementary Table IX.—New technologies effects on motor function when provided in substitution (all studies vs only time-matches interventions).

Study or Subgroup	Expe Mean	erimental SD 1	l Fotal		ontrol SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
3.2.1 In substitution (all) Ang et al., 2014	7.2	2.3	8	4.9	4.1	7	0.9%	0.66 [-0.39, 1.72]	
Brokaw et al., 2014	1.86	5.3	7	1.6	2.69	5	0.8%	0.05 [-1.09, 1.20]	+
Burgar et al., 2000 Burgar et al., 2011 (a)	5 14.4	3.6	11	2.5 14	2.5 3.6	10 18	1.0%	0.71 [-0.18, 1.60] 0.11 [-0.55, 0.77]	<u></u>
Burgar et al., 2011 (b)	6.8	1.9	19	14	3.6	18		Not estimable	
Byletal., 2013 (a)	3.8	0.62	5	6	4.12	3	0.5%	-0.79 [-2.32, 0.74] -0.91 [-2.70, 0.88]	
Byl et al., 2013 (b) Conroy et al., 2011 (a)	2.29	0.72	14	0.43	0.72	14	U. 4 70	Not estimable	
Conroy et al., 2011 (b)	1.15 7.86	0.75 6.68	13 62	0.43 8.36	0.72 7.04	14 62	1.2%	0.95 [0.15, 1.75] -0.07 [-0.42, 0.28]	<u></u>
Cramer et al., 2019 Daly et al., 2005	11	6.32	6	9.5	4.43	6	0.8%	0.25 [-0.88, 1.39]	<del></del>
da Silva Ribeiro et al., 2015	7.6	12.71	15	10.6 9.7	11.99	15	1.3%	-0.24 [-0.95, 0.48]	+_
Daunoraviciene et al., 2016 De Araujo et al., 2011	12.99 9.67	1.95 4.69	17 6	10.83	0.77 8.73	17 6	1.1%	2.17 [1.30, 3.03] -0.15 [-1.29, 0.98]	+-
Duffet al., 2012	-0.25	4.14	11	6.8	4.51	10		Not estimable	
Duncan et al., 1998 Duncan et al., 2003	8.4 4.48	10.97	10 44	2.2 4.04	11.21	10 48	1.0%	0.54 [-0.36, 1.43] 0.51 [0.09, 0.92]	<u></u>
Fluet et al., 2015	2.3	4.8	10	0.9	1.1	11	1.1%	0.40 [-0.47, 1.26]	+
Galvao et al., 2015 Givon et al., 2015	10.22 32.2	11.12	18 24	3.11 26.5	13.74	10 23	1.2%	0.57 [-0.22, 1.36] 0.28 [-0.30, 0.85]	<u></u>
Henrique et al., 2019	14.69	0.67	16	9.07	1.34	15		Not estimable	
Hesse et al., 2005 Hesse et al., 2014	16.7 11.1	12.35	21 24	3.1 12	5.25 12.7	22 25	1.3%	1.42 [0.74, 2.09] -0.08 [-0.64, 0.48]	1
Housman et al., 2009	3.3	2.4	14	2.2	2.6	14	1.2%	0.43 [-0.32, 1.18]	<del> </del>
Hsieh et al., 2011 (a)	5.33 2.33	5.22 6.49	6	2.83	7.44	6	0.8%	0.36 [-0.79, 1.50] -0.07 [-1.20, 1.07]	
Hsieh et al., 2011 (b) Hsieh et al., 2012	5.22	5.43	18	2.95	6.24	18	1.4%	0.38 [-0.28, 1.04]	+
Hsieh et al., 2014	6.12	6.02	16	3.81	5.02	16	1.3%	0.41 [-0.29, 1.11]	<del> -</del> _
In et al., 2012 Jang et al., 2005	10.4	5.82 1.93	11 5	2.4	2.52 1.2	8 5	0.9%	1.49 [0.43, 2.54] 2.59 [0.67, 4.50]	<del></del>
Kiper et al., 2014	6.8	8.85	24	3.2	10.73	21	1.5%	0.36 [-0.23, 0.95]	+
Klamroth-Marganska et al., 2014 Kottink et al., 2014	3.4 1.5	8 2.3	38	2.6	5.7 2.8	35 10	1.7%	0.11 [-0.35, 0.57] -0.29 [-1.23, 0.64]	<del>_</del>
Levin et al., 2012	7.2	8.22	6	2.6	8.2	6	0.8%	0.52 [-0.64, 1.68]	+-
Lin et al., 2015 Lo et al., 2010	5.4 1.11	5.62 1.01	5 25	6.6 -1.06	5.5 1	5 27	0.7% 1.3%	-0.19 [-1.44, 1.05] 2.13 [1.44, 2.82]	
Lum et al., 2002	3.3	0.7	13	1.6	0.3	14		Not estimable	
Lum et al., 2006 Nijenhuis et al., 2016	5.3 0.3	1.2	10 9	2.5	0.6 16.63	6 10	1.0%	Not estimable -0.09 [-0.99, 0.81]	
Ogun et al., 2019	6.91	5.37	33	1.5	5.44	32	1.6%	0.99 [0.47, 1.51]	-
Oh et al., 2019	1.9	3	17	2.1	2	14	1.3%	-0.07 [-0.78, 0.63]	±_
Piron et al., 2007 Piron et al., 2008	7.7 5.4	5.9 5.62	25 5	3.4 6.6	7.4 5.5	13 5	1.3%	0.65 [-0.03, 1.34] -0.19 [-1.44, 1.05]	<del>-</del>
Piron et al., 2009	5.3	4.74	18	2.2	2.95	18	1.3%	0.77 [0.09, 1.45]	<del> -</del>
Piron et al., 2010 Reikensmeyer et al., 2012	7.3 3.3	6.86 6.85	27 13	2.6 0.9	6.13 4.9	20 13	1.5%	0.70 [0.11, 1.30] 0.39 [-0.39, 1.17]	<del>-</del>
Sale et al., 2014	8.65	7.52	26	3.63	10.7	27	1.6%	0.53 [-0.02, 1.08]	-
Simkins et al., 2013 (a) Simkins et al., 2013 (b)	3.8	6.87 7.3	5 5	6.5 6.5	9.15 9.15	4	0.6%	-0.30 [-1.63, 1.03] -0.34 [-1.67, 0.99]	
Stein et al., 2004	5.2	4.8	9	4.8	4.2	9	1.0%	0.08 [-0.84, 1.01]	+
Sucar et al., 2009 Susanto et al., 2015	18.5 5.11	7.82 6.55	11 9	8.3 5.7	1.47 4.35	11 10	0.9%	1.74 [0.73, 2.75] -0.10 [-1.00, 0.80]	
Volpe et al., 2008	3.18	1.2	11	3.5	1.08	10	1.1%	-0.27 [-1.13, 0.59]	+
Wu et al., 2012 Subtotal (95% CI)	3.85	6.71	14 742	3.14	7.55	14 705	1.2% 53.2%	0.10 [-0.64, 0.84] 0.42 [0.25, 0.60]	<del> </del>
Heterogeneity: Tau² = 0.20; Chi² = :	110.59. d	f= 47 (P		001): I²	= 58%	703	33.270	0.42 [0.25, 0.00]	ľ
Test for overall effect: Z = 4.76 (P <									
3.2.3 In substitution (only time ma	tched in	terventio	ns)						
Ang et al., 2014	7.2	2.3	8	4.9	4.1	7	0.9%	0.66 [-0.39, 1.72]	+-
Brokaw et al., 2014 Burgar et al., 2000	1.86 5	5.3 4	7 11	1.6 2.5	2.69	5 10	0.8%	0.05 [-1.09, 1.20] Not estimable	$\top$
Burgar et al., 2011 (a)	14.4	3.6	17	14	3.6	18		Not estimable	
Burgar et al., 2011 (b) Byl et al., 2013 (a)	6.8 3.8	1.9 0.62	19 5	14 6	3.6 4.12	18 3	0.5%	Not estimable -0.79 [-2.32, 0.74]	
Byl et al., 2013 (b)	4	0.19	5	6	4.12	2	0.4%	-0.91 [-2.70, 0.88]	<del></del>
Conroy et al., 2011 (a) Conroy et al., 2011 (b)	2.29 1.15	0.72	14	0.43	0.72	14	1.2%	Not estimable 0.95 [0.15, 1.75]	
Cramer et al., 2019	7.86	6.68	62	8.36	7.04	62	1.9%	-0.07 [-0.42, 0.28]	+
Daly et al., 2005 da Silva Ribeiro et al., 2015	11 7.6	6.32 12.71	6 15	9.5 10.6	4.43	6 15	0.8%	0.25 [-0.88, 1.39] -0.24 [-0.95, 0.48]	<u> </u>
Daunoraviciene et al., 2016	12.99	1.95	17	9.7	0.77	17	1.370	Not estimable	
De Araujo et al., 2011 Duff et al., 2012	9.67 -0.25	4.69 4.14	6 11	10.83	8.73 4.51	6 10	0.8%	-0.15 [-1.29, 0.98] Not estimable	+
Duncan et al., 1998	8.4	10.97	10	2.2	11.21	10		Not estimable	
Duncan et al., 2003	4.48	0.81	44	4.04	0.9	48		Not estimable	
Fluet et al., 2015 Galvao et al., 2015	2.3 10.22	4.8 11.12	10 18	0.9 3.11	1.1	11 10	1.1%	0.40 [-0.47, 1.26] 0.57 [-0.22, 1.36]	Ţ-
Givon et al., 2015	32.2	20.5	24	26.5	19.6	23	1.5%	0.28 [-0.30, 0.85]	+
Henrique et al., 2019 Hesse et al., 2005	14.69 16.7	0.67 12.35	16 21	9.07 3.1	1.34 5.25	15 22	1.3%	Not estimable 1.42 [0.74, 2.09]	_
Hesse et al., 2014	11.1	10.6	24	12	12.7	25	1.5%	-0.08 [-0.64, 0.48]	+
Housman et al., 2009 Hsieh et al., 2011 (a)	3.3 5.33	2.4 5.22	14 6	2.2	7.44	14 6	1.2%	0.43 [-0.32, 1.18] 0.36 [-0.79, 1.50]	<u></u>
Hsieh et al., 2011 (b)	2.33	6.49	6	2.83	7.44	6	0.8%	-0.07 [-1.20, 1.07]	+
Hsieh et al., 2012 Hsieh et al., 2014	5.22 6.12	5.43 6.02	18 16	2.95 3.81	6.24 5.02	18 16	1.4%	0.38 [-0.28, 1.04] 0.41 [-0.29, 1.11]	<u> </u>
In et al., 2012	10.4	5.82	11	3	2.52	8	0.9%	1.49 [0.43, 2.54]	
Jang et al., 2005 Kiperet al., 2014	7 6.8	1.93 8.85	5 24	2.4 3.2	1.2 10.73	5 21	0.4% 1.5%	2.59 [0.67, 4.50] 0.36 [-0.23, 0.95]	<u></u>
Kiper et al., 2014 Klamroth-Marganska et al., 2014	3.4	8	38	2.6	5.7	35	1.7%	0.11 [-0.35, 0.57]	+
Kottink et al., 2014	1.5	2.3	8	2.3	2.8	10	1.0%	-0.29 [-1.23, 0.64] 0.52 [-0.64, 1.68]	<u> </u>
Levin et al., 2012 Lin et al., 2015	7.2 5.4	8.22 5.62	6 5	2.6 6.6	8.2 5.5	6 5	0.8%	0.52 [-0.64, 1.68] -0.19 [-1.44, 1.05]	<del></del>
Lo et al., 2010	1.11	1.01	25	-1.06	1	27	1.3%	2.13 [1.44, 2.82]	_
Lum et al., 2002 Lum et al., 2006	3.3 5.3	0.7 1.2	13 10	1.6 2.5	0.3	14		Not estimable Not estimable	
Nijenhuis et al., 2016	0.3	19.02	9	2	16.63	10	1.0%	-0.09 [-0.99, 0.81]	+
Ogun et al., 2019 Oh et al., 2019	6.91 1.9	5.37	33 17	1.5 2.1	5.44	32 14	1.6%	0.99 [0.47, 1.51] -0.07 [-0.78, 0.63]	<del>_</del>
Piron et al., 2007	7.7	5.9	25	3.4	7.4	13	1.3%	0.65 [-0.03, 1.34]	<del> </del>
Piron et al., 2008 Piron et al., 2009	5.4 5.3	5.62 4.74	5 18	6.6 2.2	5.5 2.95	5 18	0.7%	-0.19 [-1.44, 1.05] 0.77 [0.09, 1.45]	
Piron et al., 2010	7.3	6.86	27	2.6	6.13	20	1.5%	0.70 [0.11, 1.30]	<del> </del>
Reikensmeyer et al., 2012	3.3 8.65	6.85 7.52	13 26	0.9 3.63	4.9 10.7	13	1.2%	0.39 [-0.39, 1.17]	
Sale et al., 2014 Simkins et al., 2013 (a)	8.65	7.52 6.87	26 5	3.63 6.5	9.15	27 4	1.6% 0.6%	0.53 [-0.02, 1.08] -0.30 [-1.63, 1.03]	<del>-</del> F
Simkins et al., 2013 (b)	3.4	7.3	5	6.5	9.15	4	0.6%	-0.34 [-1.67, 0.99]	+
Stein et al., 2004 Sucar et al., 2009	5.2 18.5	4.8 7.82	9 11	4.8 8.3	1.47	9 11	1.0%	0.08 [-0.84, 1.01] 1.74 [0.73, 2.75]	T
Susanto et al., 2009	5.11	6.55	9	5.7	4.35	10	1.0%	-0.10 [-1.00, 0.80]	+
	3.18 3.85	1.2 6.71	11 14	3.5	1.08	10 14	1.1%	-0.27 [-1.13, 0.59]	<u> </u>
Volpe et al., 2008		0.71	643	3.14	7.55	602	46.8%	0.10 [-0.64, 0.84] 0.38 [0.20, 0.57]	•
Volpe et al., 2008 Wu et al., 2012 Subtotal (95% CI)									
Volpe et al., 2008 Wu et al., 2012 Subtotal (95% CI) Heterogeneity: Tau*= 0.18; Chi*= !	92.95, df	= 42 (P <	0.000	11); [*=	55%				
Volpe et al., 2008 Wu et al., 2012 Subtotal (95% CI)	92.95, df	= 42 (P <	0.000	)1); l²=	55%				
volpe et al., 2008 Wu et al., 2012 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = 0.18; Chi <sup>#</sup> = ! Test for overall effect: Z = 4.10 (P < Total (95% Cl)	92.95, df 0.0001)	1	1385			1307	100.0%	0.41 [0.28, 0.53]	
volpe et al., 2008 ;/vu et al., 2012 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.18; Chi <sup>2</sup> = ! Test for overall effect: Z = 4.10 (P <	92.95, df 0.0001) 203.75, d	1 if = 90 (P	1385			1307	100.0%		10 -5 0 5 1 Favours [control] Favours [experimental]

Supplementary Table X.—New technologies effects on activity when provided in addition (all studies vs only time-matches interventions).

Study or Subgroup	Mean	eriment SD	Total		ontrol SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
3.3.1 In addition (all) Alsen et al., 1997	25.6	7.23	10	25.7	12.25	10	1.1%	-0.01 [-0.89, 0.87]	
Aprile et al., 2020	6.04	8.547	91	6.7	4.84	99	2.7%	-0.10 [-0.38, 0.19]	+
Askin et al., 2018	1.75	13.3	18	0	7.81	20	1.6%	0.16 [-0.48, 0.80]	+
Broeren et al., 2008	2.8	10	11		10.56	11	1.1%	0.22 [-0.61, 1.06]	<del>-</del>
Brunner et al., 2017	11.9	12.01	57	12.6	11.83	55	2.4%	-0.06 [-0.43, 0.31]	†
Chen et al., 2015 (a)	4.9	12	8	1.5	7.25	8	0.9%	0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12]	<u> </u>
Chen et al., 2015 (b) Chen et al., 2017	3.1 11.75	13.12 7.95	8 26	1.5 11.78	7.25 8.01	8 24	0.9% 1.8%	-0.00 [-0.56, 0.55]	
Choi et al., 2014	12.6	5.7	10	15.3	7.2	10	1.0%	-0.40 [-1.29, 0.49]	
Crosbie et al., 2012	0.6	4.93	9		11.72	9	1.0%	-0.24 [-1.17, 0.68]	<del>-</del>
la Silva Cameirao et al., 2011	60.7	10.31	8	46.1	11.05	8	0.8%	1.29 [0.18, 2.40]	<del></del>
Dehem et al., 2019	6.5	9.14	15	3.1	7.26	17	1.4%	0.40 [-0.30, 1.11]	+
lung et al., 2019	0.085	0.41	17	0.07	0.72	16	1.5%	0.03 [-0.66, 0.71]	+
(ihoon et al., 2012	8.5	7.7	15	2	3.29	14	1.2%	1.05 [0.27, 1.84]	
(im et al., 2011	9.4	16.25 10.51	15 10	0.28	12.17	13	1.3%	0.03 [-0.72, 0.77]	$\perp$
(im et al., 2012 (im et al., 2018	1.5 8.4	8.68	11	9.6	5.06 10.35	10 8	1.0%	0.14 [-0.74, 1.02] -0.12 [-1.03, 0.79]	
(iper et al., 2011	15.3	14.59	40	4.3	12.63	40	2.1%	0.80 [0.34, 1.25]	-
(iper et al., 2018		12.75	68		12.26	68	2.5%	0.36 [0.03, 0.70]	<del> -</del>
ong et al., 2016	15	12.34	33	12.6	11.76	34	2.0%	0.20 [-0.28, 0.68]	+
(won et al., 2012	24.69	14.9	13	21.61	10.07	13	1.3%	0.23 [-0.54, 1.01]	+
affont et al., 2020	15.7	16.3	25	7.4	12.2	26	1.8%	0.57 [0.01, 1.13]	-
ee et al., 2013	8.71	9.01	7	4.81	7.16	7	0.8%	0.45 [-0.62, 1.51]	<del> </del>
ee et al., 2016	2.85	10.47	13	2.54	10.48	13	1.3%	0.03 [-0.74, 0.80]	Τ_
Masiero et al., 2007	32.76	7.2	17	25.5	10.5	18	1.4%	0.78 [0.09, 1.47]	
Norouzietal., 2019	0.2 4.3	14.66 5.9	9 12	-1.6 4.8	9.18 5.9	9 12	1.0%	0.14 [-0.79, 1.07]	
Park et al., 2019 Rabadi et al., 2008	-0.59	7.33	10	3.94	3.2	10	1.0%	-0.08 [-0.88, 0.72] -0.77 [-1.68, 0.15]	
Rand et al., 2017	11.7	11.42	11	9	12.61	10	1.1%	0.22 [-0.64, 1.08]	+
Rogers et al., 2019	17.3	8.6	10	8.4	5.3	11	1.0%	1.21 [0.26, 2.16]	<del></del>
Saposnik et al., 2010	8.6	3.9	9	12	4.18	9	0.9%	-0.80 [-1.77, 0.17]	<del> </del>
3hin et al., 2014	11.3	10.64	9	6.3	5.67	7	0.9%	0.53 [-0.48, 1.54]	+-
Shin et al., 2016	10.3	2.7	24	3.5	1.4	22		Not estimable	
Bin et al., 2013	9.56	4.61	18	2.71	3.12	17	0.70	Not estimable	
Thielbar et al., 2014	3.1 14.1	5.6 7.9	7 13	-3.5 6.7	8.01 7.8	7 13	0.7% 1.2%	0.89 [-0.22, 2.01]	
Tomic et al., 2017 Turkbey et al., 2017	13.7	7.53	10	4.78	7.88	13	0.9%	0.91 [0.10, 1.73] 1.11 [0.12, 2.09]	
Turolla et al., 2013	7.6	12.42	263	6.9	12.99	113	3.0%	0.06 [-0.17, 0.28]	ļ <sup>*</sup>
/illafane et al., 2018	22.8	2.4	16	21.6	2.4	16	1.4%	0.49 [-0.22, 1.19]	<del> </del>
/olpe et al., 2000	25	3.5	30	19.5	3.5	26	1.7%	1.55 [0.95, 2.15]	-
Volfetal., 2015	5.1	22.85	47	8.8	23.19	45	2.3%	-0.16 [-0.57, 0.25]	+
Vu et al., 2012	0.29	0.393	14	0.35	0.588	14	1.3%	-0.12 [-0.86, 0.63]	+
'in et al., 2014	18.37	20	11	17	21	12	1.2%	0.06 [-0.75, 0.88]	+
Condervan et al., 2016	0.7	2.3	9 1045	-0.6	2.9	8 890	0.9%	0.48 [-0.49, 1.44]	<del>\_</del>
Subtotal (95% CI) Heterogeneity: Tau² = 0.09; Chi²	20.06	df _ 44		00043-8	s = 400°	030	57.8%	0.26 [0.12, 0.41]	ľ
est for overall effect: Z = 3.62 (F									
3.3.3 In addition (only time mate kisen et al., 1997	ched inte 25.6	ervention 7.23	10		12.25	10 99	2.7%	Not estimable	
3.3.3 In addition (only time mate	ched inte	erventio		25.7 6.7 0	12.25 4.84 7.81	10 99 20	2.7%	Not estimable -0.10 [-0.38, 0.19] Not estimable	-
3.3.3 In addition (only time mate visen et al., 1997 Aprile et al., 2020	ched inte 25.6 6.04	7.23 8.547	10 91	6.7	4.84	99	2.7%	-0.10 [-0.38, 0.19]	
3.3.3 In addition (only time mate visen et al., 1997 sprile et al., 2020 sskin et al., 2018 Broeren et al., 2018 Brunner et al., 2017	25.6 6.04 1.75 2.8 11.9	7.23 8.547 13.3 10 12.01	10 91 18 11 57	6.7 0 0.4 12.6	4.84 7.81 10.56 11.83	99 20 11 55	2.4%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31]	
s.3.3 In addition (only time mat visen et al., 1997 sprile et al., 2020 sakin et al., 2018 Brunner et al., 2008 Brunner et al., 2017 Chen et al., 2015 (a)	25.6 6.04 1.75 2.8 11.9 4.9	7.23 8.547 13.3 10 12.01	10 91 18 11 57 8	6.7 0 0.4 12.6 1.5	4.84 7.81 10.56 11.83 7.25	99 20 11 55 8	2.4% 0.9%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31]	-
s.3.3 in addition (only time mat- visen et al., 1997 sprile et al., 2020 sskin et al., 2018 proeren et al., 2008 grunner et al., 2017 Chen et al., 2015 (a) Chen et al., 2015 (b)	25.6 6.04 1.75 2.8 11.9 4.9 3.1	7.23 8.547 13.3 10 12.01 12 13.12	10 91 18 11 57 8	6.7 0 0.4 12.6 1.5 1.5	4.84 7.81 10.56 11.83 7.25 7.25	99 20 11 55 8	2.4% 0.9% 0.9%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12]	-
5.3.3 In addition (only time mat- kisen et al., 1997 kyrille et al., 2020 kskin et al., 2018 Broeren et al., 2008 Brunner et al., 2015 (a) Chen et al., 2015 (b) Chen et al., 2017	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75	7.23 8.547 13.3 10 12.01 12 13.12 7.95	10 91 18 11 57 8 8	6.7 0 0.4 12.6 1.5 1.5	4.84 7.81 10.56 11.83 7.25 7.25 8.01	99 20 11 55 8 8 24	2.4% 0.9% 0.9% 1.8%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.00 [-0.56, 0.55]	- - - - - -
is.3.3 In addition (only time mati visen et al., 1997 vprile et al., 2020 skin et al., 2018 Broeren et al., 2018 Broeren et al., 2017 Then et al., 2015 (o) Chen et al., 2017 Thoi et al., 2014	25.6 6.04 1.75 2.8 11.9 4.9 3.1	7.23 8.547 13.3 10 12.01 12 13.12	10 91 18 11 57 8 8 26 10	6.7 0 0.4 12.6 1.5 1.5	4.84 7.81 10.56 11.83 7.25 7.25	99 20 11 55 8	2.4% 0.9% 0.9%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.00 [-0.56, 0.55] -0.40 [-1.29, 0.49]	
3.3.3 In addition (only time mati visen et al., 1997 upfle et al., 2020 skin et al., 2018 Broeren et al., 2008 Junner et al., 2017 Chen et al., 2015 (b) Chen et al., 2017 Choi et al., 2017	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6 0.6	7.23 8.547 13.3 10 12.01 12 13.12 7.95 5.7 4.93	10 91 18 11 57 8 26 10	6.7 0.4 12.6 1.5 1.5 11.78 15.3 2.9	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72	99 20 11 55 8 8 24 10	2.4% 0.9% 0.9% 1.8% 1.0%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.00 [-0.56, 0.55] -0.40 [-1.29, 0.49] -0.24 [-1.17, 0.68]	-     
is.3.3 In addition (only time mati visen et al., 1997 vprile et al., 2020 skin et al., 2018 Broeren et al., 2018 Broeren et al., 2017 Then et al., 2015 (o) Chen et al., 2017 Thoi et al., 2014	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6	7.23 8.547 13.3 10 12.01 12 13.12 7.95 5.7	10 91 18 11 57 8 8 26 10	6.7 0.4 12.6 1.5 1.5 11.78 15.3	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2	99 20 11 55 8 8 24 10	2.4% 0.9% 0.9% 1.8% 1.0%	-0.10 [-0.38, 0.19] Not estimable Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.00 [-0.56, 0.55] -0.40 [-1.29, 0.49]	- - - - - - - - - - - -
is.3.3 In addition (only time mativisen et al., 1997 ryfile et al., 2020 ryfile et al., 2020 stroner et al., 2018 rorerne et al., 2018 rorerne et al., 2017 chen et al., 2015 (a) chen et al., 2015 (b) chen et al., 2017 ro	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6 6.6 60.7 6.5 0.085	7.23 8.547 13.3 10 12.01 12.2 13.12 7.95 5.7 4.93 10.31 9.14 0.41	10 91 18 11 57 8 26 10 9 8 15	6.7 0 0.4 12.6 1.5 1.78 15.3 2.9 46.1 3.1 0.07	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72 11.05 7.26 0.72	99 20 11 55 8 8 24 10 9 8 17	2.4% 0.9% 0.9% 1.8% 1.0% 1.0%	-0.10 [-0.38, 0.19] Not estimable -0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] -0.00 [-0.56, 0.55] -0.40 [-1.29, 0.49] -0.24 [-1.17, 0.68] 1.29 [0.18, 2.40] 0.40 [-0.30, 1.11] 0.3 [-0.66, 0.71]	
i.3.3 in addition (only time mati visen et al., 1997 upfile et al., 2020 skin et al., 2018 storeen et al., 2018 strunner et al., 2018 then et al., 2017 chen et al., 2014 croshie et al., 2014 croshie et al., 2012 ta Silva Camelrao et al., 2011 behern et al., 2019 dung et al., 2019 dung et al., 2019	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6 0.6 60.7 6.5 0.085	7.23 8.547 13.3 10 12.01 12.2 13.12 7.95 5.7 4.93 10.31 9.14 0.41 7.7	10 91 18 11 57 8 26 10 9 8 15 17	6.7 0 0.4 12.6 1.5 1.5 15.3 2.9 46.1 3.1 0.07	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72 11.05 7.26 0.72 3.29	99 20 11 55 8 8 24 10 9 8 17 16	2.4% 0.9% 0.9% 1.8% 1.0% 1.0% 0.8%	-0.10 F.0.38, 0.19] Not estimable Not estimable -0.06 F.0.43, 0.31] 0.32 F.0.66, 1.31] 0.14 F.0.84, 1.12] -0.00 F.0.55, 0.55] -0.40 F.1.29, 0.49] -0.24 F.1.7, 0.69] 1.29 [0.18, 2.40] 0.40 F.0.30, 1.11] 0.33 F.0.66, 0.71] Not estimable	
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3.3.3 in addition (only time mat usen et al., 1997 prifile et al., 2020 kskin et al., 2018 storeren et al., 2008 strunner et al., 2015 chen et al., 2015 (a) chen et al., 2014 choi et al., 2014 coshie et al., 2012 ung et al., 2019 dhoon et al., 2019 droon et al., 2012 (im et al., 2011	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6 0.6 60.7 6.5 0.085 8.5 9.4	7.23 8.547 13.3 10 12.01 12 13.12 7.95 5.7 4.93 10.31 9.14 0.41 7.7 16.25 10.51	10 91 18 11 57 8 26 10 9 8 15 17 15	6.7 0 0.4 12.6 1.5 1.5 15.3 2.9 46.1 3.1 0.07 2 9	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72 11.05 7.26 0.72 3.29 12.17 5.06	99 20 11 55 8 8 24 10 9 8 17 16 14 13	2.4% 0.9% 0.9% 1.8% 1.0% 1.0% 0.8% 1.4%	-0.10 F.0.38, 0.19) Not estimable Not estimable -0.06 F.0.43, 0.31) 0.14 F.0.84, 1.12; -0.00 F.0.65, 0.55; -0.40 F.1.29, 0.49) -0.24 F.1.17, 0.65, 0.75; -1.29 [0.17, 8, 2.40] 0.40 F.0.30, 1.11] Not estimable Not estimable	- - - - - - - - - - - - - - - - - - -
3.3.3 In addition (only time mati \(\)\text{usen et al., 1997} \(\)\text{upile et al., 2018} \(\)\text{proper et al., 2018} \(\)\text{proper et al., 2018} \(\)\text{proper et al., 2019} \(\)\text{chen et al., 2017} \(\)\text{chen et al., 2017} \(\)\text{chen et al., 2017} \(\)\text{chen et al., 2012} \(\)\text{das Silva Cameirao et al., 2011} \(\)\text{determent al., 2012} \(\)\text{dim et al., 2012} \(\)\text{dim et al., 2012} \(\)\text{dim et al., 2013}	25.6 6.04 1.75 2.8 11.9 3.1 11.75 12.6 0.6 60.7 6.5 0.085 8.5 9.4 1.5 8.4	7.23 8.547 13.3 10 12.01 12 13.12 7.95 5.7 4.93 10.31 9.14 0.41 7.7 16.25 10.51 8.68	10 91 18 11 57 8 26 10 9 8 15 17 15 15	6.7 0 0.4 12.6 1.5 1.5 11.78 15.3 2.9 46.1 3.1 0.07 2 9 0.28 9.6	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72 11.05 7.26 0.72 3.29 12.17 5.06 10.35	99 20 11 55 8 8 24 10 9 8 17 16 14 13	2.4% 0.9% 0.9% 1.8% 1.0% 1.0% 1.4% 1.5%	-0.10 [-0.38, 0.19] Not estimable Not estimable 0.06 [-0.43, 0.31] 0.32 [-0.66, 1.31] 0.14 [-0.84, 1.12] 0.00 [-0.56, 0.55] 0.40 [-1.29, 0.49] 0.24 [-1.17, 0.68] 1.29 [0.18, 2.40] 0.40 [-0.30, 1.11] 0.33 [-0.66, 0.71] Not estimable Not estimable Not estimable 0.12 [-1.03, 0.79]	
3.3.3 in addition (only time mat \u00e4se at 1, 1997 \u00f3 mile et al., 2020 \u00e4skin et al., 2018 \u00e4sore et al., 2008 \u00e4munner et al., 2015 (a) \u00e4hen et al., 2015 (b) \u00e4hen et al., 2014 \u00e4roshie et al., 2014 \u00e4roshie et al., 2011 \u00e4hen et al., 2019 \u00e4mung et al., 2019 \u00e4mung et al., 2012 \u00e4m et al., 2011 \u00e4m et al., 2012 \u00e4m et al., 2012	25.6 6.04 1.75 2.8 11.9 4.9 3.1 11.75 12.6 0.6 60.7 6.5 0.085 8.5 9.4	7.23 8.547 13.3 10 12.01 12 13.12 7.95 5.7 4.93 10.31 9.14 0.41 7.7 16.25 10.51 8.68 14.59	10 91 18 11 57 8 26 10 9 8 15 17 15	6.7 0 0.4 12.6 1.5 1.78 15.3 2.9 46.1 3.1 0.07 2 9 0.28 9.6 4.3	4.84 7.81 10.56 11.83 7.25 7.25 8.01 7.2 11.72 11.05 7.26 0.72 3.29 12.17 5.06	99 20 11 55 8 8 24 10 9 8 17 16 14 13	2.4% 0.9% 0.9% 1.8% 1.0% 1.0% 1.5%	-0.10 [-0.38, 0.19] Not estimable Not estimable 0.06 [-0.43, 0.31] 0.14 [-0.84, 1.12] 0.00 [-0.56, 0.55] -0.40 [-1.29, 0.49] -0.24 [-1.17, 0.68] 1.29 [0.18, 2.40] 0.40 [-0.30, 1.11] Not estimable Not estimable Not estimable 0.12 [-1.03, 0.79] 0.80 [0.34, 1.25]	
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# Supplementary Table XI.—New technologies effects on activity when provided in substitution (all studies vs only time-matches interventions).

Chudu as Cuba		eriment			ontrol	T-4-1	18/-2-E-1	Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	rotal	Weight	IV, Random, 95% CI	IV, Random, 95% CI
3.4.1 In substitution (all)			_					0.4574.00.4.04	
Byletal., 2013 (a)	1.8	8.32	5	6.5	10.3	3	0.5%	-0.45 [-1.92, 1.01]	
Byl et al., 2013 (b)		11.25	5	6.5	10.3	3	0.5%	-0.53 [-2.01, 0.95]	
Chumbler et al., 2012		6.147	24	0.6	7.622	19	2.9%	-0.06 [-0.66, 0.54]	T
Duffetal., 2012	0.47	0.36	11	0.54	0.28	10	1.4%	-0.21 [-1.07, 0.65]	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Xi}}}$
Duncan et al., 1998	13	5.16	10	13.3	5.27	10	1.4%	-0.06 [-0.93, 0.82]	T
Duncan et al., 2003	0.36	0.1	44	-1.42	1.34	49	0.70/	Not estimable	
Givon et al., 2015		14.64	20		14.75	21	2.7%	-0.57 [-1.20, 0.05]	
Hesse et al., 2014	9.2	10.8	25		10.76	25	3.4%	-0.35 [-0.91, 0.21]	$\perp$
Housman et al., 2009	0.1	0.4	15	0.1	0.7	16	2.1%	0.00 [-0.70, 0.70]	T
n et al., 2012		32.09	11	3.43	7.67	8	1.1%	0.87 [-0.09, 1.83]	<del></del>
Jang et al., 2005		14.64	20		14.75	21	2.7%	-0.57 [-1.20, 0.05]	7
Kang et al., 2009	9.2	10.8	25		10.76	25	3.4%	-0.35 [-0.91, 0.21]	<del>-</del>
Kiper et al., 2014	0.1	0.4	15	0.1	0.7	16	2.1%	0.00 [-0.70, 0.70]	
Kong et al., 2014		12.34	33		11.76	34	4.6%	0.20 [-0.28, 0.68]	
Kottink et al., 2014	3.9	4.9	8	5	5.1	10	1.2%	-0.21 [-1.14, 0.72]	
Levin et al., 2012		17.28	6		12.83	6	0.8%	-0.16 [-1.29, 0.98]	<del></del>
Lin et al., 2014	5	8.8	11	2.9	4.63	12	1.5%	0.29 [-0.53, 1.12]	
Lum et al., 2002	0.2	0.2	13	0	0	14		Not estimable	
Lum et al., 2006	3.1	1.4	10	3.2	1.4	6	1.0%	-0.07 [-1.08, 0.94]	
Nijenhuis et al., 2016		21.77	9		15.24	10	1.3%	-0.18 [-1.09, 0.72]	
Ogun et al., 2019	8.34	4.78	33	1.25	3.89	32		Not estimable	
Oh et al., 2019	3.4	4.9	17	3.5	7.2	14	2.1%	-0.02 [-0.72, 0.69]	+
Piron et al., 2007		19.37	25	7.7	18.51	13	2.3%	0.47 [-0.21, 1.15]	<del> </del>
Piron et al., 2010	5.6	7.22	27	4.7	9.07	20	3.1%	0.11 [-0.47, 0.69]	+
Saposnik et al., 2016	7.6	10.62	59	8.9	9.39	62	8.2%	-0.13 [-0.49, 0.23]	*
Schuster-Amft et al., 2018	24.37	15.2	22	20.17	21.5	32	3.5%	0.22 [-0.33, 0.76]	<del>-</del>
Standen et al., 2017	3.17	8.34	9	1.17	3.69	9	1.2%	0.30 [-0.63, 1.23]	<del>]-</del>
Subtotal (95% CI)			422			405	55.0%	-0.06 [-0.20, 0.08]	•
Test for overall effect: Z = 0.8	(								
3.4.3 In substitution (only ti						_			
Byl et al., 2013 (a)	1.8	8.32	5	6.5	10.3	3	0.5%	-0.45 [-1.92, 1.01]	
Byl et al., 2013 (a) Byl et al., 2013 (b)	1.8 -0.2	8.32 11.25	5 5	6.5 6.5	10.3	3	0.5% 0.5%	-0.53 [-2.01, 0.95]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012	1.8 -0.2 0.2	8.32 11.25 6.147	5 5 24	6.5 6.5 0.6	10.3 7.622	3 19	0.5%	-0.53 [-2.01, 0.95] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012	1.8 -0.2 0.2 0.47	8.32 11.25 6.147 0.36	5 5 24 11	6.5 6.5 0.6 0.54	10.3 7.622 0.28	3 19 10		-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998	1.8 -0.2 0.2 0.47 13	8.32 11.25 6.147 0.36 5.16	5 5 24 11 10	6.5 6.5 0.6 0.54 13.3	10.3 7.622 0.28 5.27	3 19 10 10	0.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003	1.8 -0.2 0.2 0.47 13 0.36	8.32 11.25 6.147 0.36 5.16 0.1	5 24 11 10 44	6.5 6.5 0.6 0.54 13.3 -1.42	10.3 7.622 0.28 5.27 1.34	3 19 10 10 49	0.5% 1.4%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015	1.8 -0.2 0.2 0.47 13 0.36 -0.3	8.32 11.25 6.147 0.36 5.16 0.1 14.64	5 24 11 10 44 20	6.5 6.5 0.6 0.54 13.3 -1.42 8.3	10.3 7.622 0.28 5.27 1.34 14.75	3 19 10 10 49 21	0.5% 1.4% 2.7%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8	5 24 11 10 44 20 25	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 13	10.3 7.622 0.28 5.27 1.34 14.75 10.76	3 19 10 10 49 21 25	0.5% 1.4% 2.7% 3.4%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Gwon et al., 2015 Hesse et al., 2014 Housman et al., 2009	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4	5 24 11 10 44 20 25	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 13	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7	3 19 10 10 49 21 25 16	0.5% 1.4% 2.7% 3.4% 2.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Dun'et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Gwon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2019	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09	5 5 24 11 10 44 20 25 15	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 13 0.1 3.43	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67	3 19 10 10 49 21 25 16 8	0.5% 1.4% 2.7% 3.4% 2.1% 1.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83]	——————————————————————————————————————
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 n et al., 2012 Jang et al., 2015	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64	5 24 11 10 44 20 25 15 11	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75	3 19 10 10 49 21 25 16 8	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05]	——————————————————————————————————————
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Hense et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2009	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8	5 24 11 10 44 20 25 15 11 20 25	6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 13	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76	3 19 10 10 49 21 25 16 8 21 25	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21]	——————————————————————————————————————
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 Jang et al., 2025 Kang et al., 2009 Kiper et al., 2009	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4	5 24 11 10 44 20 25 15 11 20 25 15	6.5 0.6 0.54 13.3 -1.42 8.3 13 0.1 3.43 8.3 13	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7	3 19 10 10 49 21 25 16 8 21 25 16	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Dunf et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2014 Kong et al., 2014	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34	5 24 11 10 44 20 25 15 11 20 25 15 33	6.5 0.6 0.54 13.3 -1.42 8.3 13 0.1 3.43 8.3 13 0.1 12.6	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76	3 19 10 10 49 21 25 16 8 21 25 16 34	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2014 Kong et al., 2014 Kottink et al., 2014	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9	5 24 11 10 44 20 25 15 11 20 25 15 33 8	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 0.1 12.6 5	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76 5.1	3 19 10 49 21 25 16 8 21 25 16 34	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72]	——————————————————————————————————————
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Dunf et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2009 Kiper et al., 2014 Kottink et al., 2014 Kottink et al., 2014 Levin et al., 2014	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.68 0.4 10.8 0.4	5 24 11 10 44 20 25 15 11 20 25 15 33 8 6	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 0.1 12.6 5 3.4	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76 5.1 12.83	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duncan et al., 2013 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Hosse at al., 2009 In et al., 2012 Jang et al., 2009 Kiper et al., 2014 Kong et al., 2014 Kong et al., 2014 Levin et al., 2014 Levin et al., 2014	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8	5 5 24 11 10 44 20 25 15 11 20 25 15 33 8 6	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 13 0.1 3.43 8.3 13 0.1 12.6 5 3.4 2.9	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 14.75 10.76 0.7 11.76 5.1 12.83 4.63	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2009 Kiper et al., 2014 Kong et al., 2014 Levin et al., 2014	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 0.9	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2	5 5 24 11 10 44 20 25 15 11 20 25 15 33 8 6 11	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 13 0.1 12.6 5 3.4 2.9	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76 5.1 12.83 4.63 0	3 19 10 49 21 25 16 8 21 25 16 34 10 6 12	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2014 Kong et al., 2014 Kottink et al., 2014 Levin et al., 2014 Lum et al., 2014 Lum et al., 2014 Lum et al., 2002 Lum et al., 2006	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 5 0.2	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 1.4	5 5 24 11 10 44 20 25 15 11 20 25 15 33 8 6 11 13	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 0.1 12.6 5 3.4 2.9 0 3.2	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76 5.1 12.83 4.63 0 1.4	3 19 10 49 21 25 16 8 21 25 16 34 10 6 12 14 6	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2005 Kang et al., 2014 Kong et al., 2014 Levin et al., 2014 Levin et al., 2012 Lin et al., 2014 Lum et al., 2002 Lum et al., 2002	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 126.35 -0.3 9.2 0.1 15 3.9 0.8 5 0.2	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 1.4 21.77	5 5 24 11 10 44 20 25 15 11 20 25 15 33 8 6 11 13	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 0.1 12.6 5 3.4 2.9 0 3.2 3.23	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 0.7 11.76 5.1 12.83 4.63 0 1.4 15.24	3 19 10 49 21 25 16 8 21 25 16 34 10 6 12	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2012 Jang et al., 2005 Kang et al., 2014 Kottink et al., 2014 Levin et al., 2014 Levin et al., 2014 Lum et al., 2014 Lum et al., 2014 Lum et al., 2016 Ogun et al., 2016	1.8 -0.2 0.47 13 0.36 -0.3 9.2 0.1 126.35 -0.3 9.2 0.1 1.5 5 0.2 3.1 -0.37 8.34	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 14.4 21.77 4.78	5 5 24 11 10 44 4 20 25 15 15 11 20 25 15 13 33 8 6 11 13 30 9 33	6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 8.3 0.1 12.6 5 3.4 2.9 0 3.23 1.25	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 14.75 10.76 5.1 12.83 4.63 0.7 1.4 15.24 3.89	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6 12 14 6	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duncan et al., 2012 Duncan et al., 2003 Byon et al., 2015 Hesse et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2014 Kong et al., 2014 Kong et al., 2014 Lowin et al., 2016 Lowin et al., 2006 Digun et al., 2019 Dh et al., 2019	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 5 0.2 3.1 -0.37 8.34	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 1.4 21.77 4.9	5 5 24 11 100 44 4 20 25 15 11 200 25 15 11 13 33 8 6 11 13 10 9 33 31 17	6.5 6.5 0.6 0.54 13.3 -1.42 8.3 0.1 3.43 0.1 12.6 5.3 4 2.9 0 3.2 3.23 1.25 3.5	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 11.76 0.7 11.76 5.1 12.83 4.63 0 1.4 15.24 3.89 7.2	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6 12 14 6 10 32	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2005 Kang et al., 2014 Kong et al., 2014 Levin et al., 2014 Levin et al., 2014 Lum et al., 2012 Lum et al., 2006 Nijenhuis et al., 2016 Ogun et al., 2019 Oh et al., 2019	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 5 0.2 3.1 -0.37 8.34	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37	5 5 24 111 100 25 15 15 33 8 6 111 13 10 9 3 317 25	6.5 6.5 0.6 6.5 0.6 6.5 0.5 4 13.3 1-1.42 8.3 133 0.1 13.43 8.3 131 0.1 12.6 5 3.4 2.9 9 0 3.2 3.23 1.25 5.7.7	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 7.67 11.76 5.1 12.83 4.63 0 1.4 15.24 3.89 7.2 18.51	3 19 10 10 49 21 25 16 34 10 6 12 14 6 6 10 32 14	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69] 0.47 [-0.21, 1.15]	
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Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duff et al., 2012 Dumcan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2005 Kang et al., 2014 Kong et al., 2014 Levin et al., 2014 Levin et al., 2014 Lum et al., 2012 Lum et al., 2012 Lum et al., 2016 Ogun et al., 2019 Oh et al., 2019 Piron et al., 2010 Saposnik et al., 2016 Sschuster-Amfl et al., 2018 Standen et al., 2017 Subtotal (95% CI)	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 15 3.9 0.8 5.0 2 3.1 -0.37 8.34 3.4 4.68 5.6 7.6 24.37 3.17	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 4.9 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37 7.22 10.62 15.2 8.34	5 5 5 24 4 11 1 10 44 4 20 25 5 15 15 15 33 8 6 6 11 1 3 10 9 33 3 17 7 59 22 2 7 9 346	6.5 6.5 0.6 6.5 0.6 6.5 0.6 6.5 0.5 4 13.3 13 0.1 13.43 8.3 13 10.1 12.6 6 5 3.4 4 2.9 9 0 3.2 3.23 1.25 7.7 4.7 8.9 20.17 1.17	10.3 7.622 0.28 5.27 1.34 14.75 10.76 7.67 14.75 10.76 5.1 12.83 4.63 4.63 6 1.4 15.24 3.89 21.5 9.07 9.39 21.5 3.69	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6 12 14 6 10 32 14 13 20 62 32 9 33 33	0.5% 1.4% 2.7% 3.4% 2.1% 2.7% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3% 2.1% 2.3% 8.2%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.89] 0.47 [-0.21, 1.15] 0.11 [-0.47, 0.69] -0.13 [-0.49, 0.23] 0.22 [-0.33, 0.76]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duff et al., 2012 Dumcan et al., 1998 Duncan et al., 2003 Giwon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2005 Kang et al., 2014 Kottink et al., 2014 Levin et al., 2014 Levin et al., 2012 Lin et al., 2014 Leum et al., 2012 Lum et al., 2016 Ogun et al., 2019 Oh et al., 2019 Piron et al., 2010 Baposnik et al., 2016 Schuster-Amft et al., 2018 Standen et al., 2017 Subtotal (95% Cl) Heterogeneity: Tau* = 0.00;	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 1.5 3.9 0.8 5.0 2.3.1 -0.37 8.34 3.4 16.8 5.6 7.6 24.37 3.17 Chi <sup>=</sup> =10	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.4 12.34 4.9 17.28 8.8 0.4 12.37 4.79 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37 2.0 2.0 2.0 2.0 3.0 4.0 4.0 4.0 4.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	5 5 5 24 4 11 1 10 44 4 20 25 5 15 15 15 33 8 6 6 11 1 3 10 9 33 3 17 7 59 22 2 7 9 346	6.5 6.5 0.6 6.5 0.6 6.5 0.6 6.5 0.5 4 13.3 13 0.1 13.43 8.3 13 10.1 12.6 6 5 3.4 4 2.9 9 0 3.2 3.23 1.25 7.7 4.7 8.9 20.17 1.17	10.3 7.622 0.28 5.27 1.34 14.75 10.76 7.67 14.75 10.76 5.1 12.83 4.63 4.63 6 1.4 15.24 3.89 21.5 9.07 9.39 21.5 3.69	3 19 10 10 49 21 25 16 8 21 25 16 34 10 6 12 14 6 10 32 14 13 20 62 32 9 33 33	0.5% 1.4% 2.7% 3.4% 2.1% 1.7% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3% 2.1% 2.3% 3.1% 8.2% 3.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.47, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.49, 0.23] 0.22 [-0.33, 0.76] Not estimable	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duff et al., 2012 Duncan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2014 Kottink et al., 2014 Kottink et al., 2014 Levin et al., 2014 Levin et al., 2014 Levin et al., 2016 Ogun et al., 2016 Ogun et al., 2019 Piron et al., 2019 Saposnik et al., 2016 Schuster-Amft et al., 2018 Standen et al., 2017 Subtotal (95% CI) Heterogeneity: Tau² = 0.00; Test for overall effect: Z = 1.1	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 1.5 3.9 0.8 5.0 2.3.1 -0.37 8.34 3.4 16.8 5.6 7.6 24.37 3.17 Chi <sup>=</sup> =10	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.4 12.34 4.9 17.28 8.8 0.4 12.37 4.79 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37 2.0 2.0 2.0 2.0 3.0 4.0 4.0 4.0 4.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	5 5 24 111 10 144 20 25 15 15 11 120 25 15 33 8 6 11 13 10 9 33 17 25 27 9 22 9 346 = 19 (P	6.5 6.5 0.6 6.5 0.6 6.5 0.6 6.5 0.5 4 13.3 13 0.1 13.43 8.3 13 10.1 12.6 6 5 3.4 4 2.9 9 0 3.2 3.23 1.25 7.7 4.7 8.9 20.17 1.17	10.3 7.622 0.28 5.27 1.34 14.75 10.76 7.67 14.75 10.76 5.1 12.83 4.63 4.63 6 1.4 15.24 3.89 21.5 9.07 9.39 21.5 3.69	3 19 10 10 49 21 25 16 8 21 25 16 10 32 14 13 20 6 62 32 9 333	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3% 2.1% 2.3% 3.1% 8.2% 3.5% 45.0%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.47, 0.69] -0.13 [-0.49, 0.23] 0.22 [-0.33, 0.76] Not estimable -0.10 [-0.25, 0.06]	
Byl et al., 2013 (a) Byl et al., 2013 (b) Chumbler et al., 2012 Duff et al., 2012 Duff et al., 2012 Dumcan et al., 1998 Duncan et al., 2003 Givon et al., 2015 Hesse et al., 2014 Housman et al., 2009 In et al., 2012 Jang et al., 2005 Kang et al., 2005 Kang et al., 2014 Kong et al., 2014 Levin et al., 2014 Levin et al., 2014 Lum et al., 2012 Lum et al., 2012 Lum et al., 2016 Ogun et al., 2019 Oh et al., 2019 Piron et al., 2017 Saposnik et al., 2016 Schuster-Amft et al., 2018 Standen et al., 2017 Subtotal (95% Cl) Heterogeneity: Tau² = 0.00; Test for overall effect: Z = 1.: Total (95% Cl)	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 5.6 0.2 3.1 -0.37 8.34 16.8 5.6 7.6 24.37 3.17 Chi² = 10 24 (P = 0	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 10.8 0.4 12.34 4.9 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37 7.22 10.62 15.62 15.62 16.62	5 5 5 24 4 11 1 10 44 20 25 5 15 15 15 15 15 27 27 59 22 29 346 6 19 (P 768	6.5 6.5 0.6 6.5 0.6 6.5 0.6 4 13.3 -1.42 8.3 13 0.1 13.43 8.3 13 0.1 12.6 5 3.4 2.9 9 3.2 3.23 1.25 3.5 7.7 4.7 8.9 20.17 1.17 = 0.65)	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 14.75 10.76 0.7 11.76 12.83 4.63 0 1.4 15.24 3.89 7.2 18.51 9.07 9.39 21.5 3.69	3 19 10 10 49 21 25 16 8 8 21 25 16 10 6 6 12 14 13 20 6 22 14 13 20 6 23 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	0.5% 1.4% 2.7% 3.4% 2.1% 1.7% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3% 2.1% 2.3% 3.1% 8.2% 3.5%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.47, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.49, 0.23] 0.22 [-0.33, 0.76] Not estimable	
8yl et al., 2013 (a) 8yl et al., 2013 (b) 2humbler et al., 2012 2buff et al., 2012 2buff et al., 2012 2buff et al., 2012 2buncan et al., 1998 2buncan et al., 2003 39von et al., 2015 4esse et al., 2014 4bousman et al., 2009 in et al., 2012 4ang et al., 2005 (ang et al., 2014 4cong et al., 2014 4cong et al., 2014 4cong et al., 2014 4cevin et al., 2014 4cevin et al., 2012 4in et al., 2012 5in et al., 2016 6in et al., 2019 6in et al., 2019 6in et al., 2019 6in et al., 2010 6in et al., 2017	1.8 -0.2 0.2 0.47 13 0.36 -0.3 9.2 0.1 26.35 -0.3 9.2 0.1 15 3.9 0.8 5 0.2 3.1 -0.37 8.34 16.8 5.6 7.6 24.37 3.17  Chi <sup>‡</sup> = 16 24 (P = 0	8.32 11.25 6.147 0.36 5.16 0.1 14.64 10.8 0.4 32.09 14.64 12.34 4.9 17.28 8.8 0.2 1.4 21.77 4.78 4.9 19.37 7.22 10.62 15.2 8.34 6.10, df:	5 5 5 24 4 11 1 10 44 20 25 5 15 15 15 15 15 27 27 59 22 29 346 6 19 (P 768	6.5 6.5 0.6 6.5 0.6 6.5 0.6 4 13.3 -1.42 8.3 13 0.1 13.43 8.3 13 0.1 12.6 5 3.4 2.9 9 3.2 3.23 1.25 3.5 7.7 4.7 8.9 20.17 1.17 = 0.65)	10.3 7.622 0.28 5.27 1.34 14.75 10.76 0.7 14.75 10.76 0.7 11.76 12.83 4.63 0 1.4 15.24 3.89 7.2 18.51 9.07 9.39 21.5 3.69	3 19 10 10 49 21 25 16 8 8 21 25 16 10 6 6 12 14 13 20 6 22 14 13 20 6 23 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	0.5% 1.4% 2.7% 3.4% 2.1% 1.1% 3.4% 2.1% 1.2% 0.8% 1.5% 1.0% 1.3% 2.1% 2.3% 3.1% 8.2% 3.5% 45.0%	-0.53 [-2.01, 0.95] Not estimable -0.21 [-1.07, 0.65] Not estimable Not estimable -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] 0.87 [-0.09, 1.83] -0.57 [-1.20, 0.05] -0.35 [-0.91, 0.21] 0.00 [-0.70, 0.70] Not estimable -0.21 [-1.14, 0.72] -0.16 [-1.29, 0.98] 0.29 [-0.53, 1.12] Not estimable -0.07 [-1.08, 0.94] -0.18 [-1.09, 0.72] Not estimable -0.02 [-0.72, 0.69] 0.47 [-0.21, 1.15] 0.11 [-0.47, 0.69] -0.13 [-0.49, 0.23] 0.22 [-0.33, 0.76] Not estimable -0.10 [-0.25, 0.06]	-10 -5 0 5