

## Electronic Supplementary Materials

**Manuscript title: The costs of dementia in Europe: an updated review and meta-analysis**

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**Supplement 1.**

Table S1. Detailed information on the included studies.

<i>Study</i>	<i>Citation</i>	<i>Countries</i>	<i>Populations</i>	<i>Settings</i>	<i>Design</i>	<i>Costing year</i>	<i>Costs</i>	<i>Total N</i>
<i>Afonso-Argiles (2020)</i>	[18]	Estonia, Finland, France, Germany, Netherlands, Spain, Sweden, United Kingdom	Dementia	Institution, Community, Combined	Cross-sectional	2019	A1	1600
<i>Amador (2014)</i>	[19]	United Kingdom	Dementia	Institution	Prospective	2010	A2, A1, B1	122
<i>Banerjee (2013)</i>	[20]	United Kingdom	Dementia	Community	Trial	2010	C, AB, ABC	84
<i>Boada (1999)</i>	[21]	Spain	AD	Community	Cross-sectional	1996	C, A, B, ABC	337
<i>Braun (2020)</i>	[22]	Austria	Dementia	Combined	Retrospective	2018	C, AB	1341
<i>Brilleman (2013)</i>	[23]	United Kingdom	Dementia	Combined	Retrospective	2008	A2, A3, A	415
<i>Bruggenjurgen (2015)</i>	[25]	Germany	AD	Combined	Retrospective	2008	A2, A3, A1, B1, AB	20903
<i>Bruno (2018)</i>	[24]	Italy	AD	Community	Prospective	2013	C, A, B, ABC	198
<i>Caravau (2015)</i>	[26]	Portugal	Dementia	Institution	Retrospective	2012	A1, A3, A2, B2, B1, AB	36
<i>Cavallo (1997)</i>	[27]	Italy	AD	Community	Cross-sectional	1995	C, B1, B2	423
<i>Charlesworth (2008)</i>	[28]	United Kingdom	Dementia	Combined	Trial	2005	C, A3, A1, A2, B2	116
<i>Chiatti (2015)</i>	[29]	Italy	AD	Community	Trial	2013	C, A2, A3, A1, B2	438
<i>Coduras (2010)</i>	[30]	Spain	AD	Combined	Prospective	2006	C, A2, A1, A3, B1, B2, ABC	520
<i>D'Amico (2015)</i>	[31]	United Kingdom	Dementia	Combined	Trial	2011	A3, A1, B2	104
<i>D'Amico (2016)</i>	[32]	United Kingdom	Dementia	Combined	Trial	2011	C, A3, A1, B2, B1, AB, ABC	22
<i>Dahlrup (2014)</i>	[33]	Sweden	Dementia	Combined	Prospective	2010	B	155
<i>Darba (2015)</i>	[34]	Spain	AD	Combined	Cross-sectional	2013	C1, C2, A, B, ABC	339

<i>Dodel (2015)</i>	[35]	France, United Kingdom, Germany	AD	Community	Cross-sectional	2010	C, A2, A1, A3, A, B2, B1	1497
<i>Ersek (2010)</i>	[36]	Hungary	Dementia	Community	Cross-sectional	2007	A2, A3, A1, B2, C2, C1, A	74
<i>Farre (2016)</i>	[37]	Spain	Dementia	Community	Cross-sectional	2010	C, A3, A1, A2, B2, B, ABC	136
<i>Farre (2018)</i>	[38]	Spain	Dementia	Combined, Community, Institution	Cross-sectional	2013	C1	287
<i>Ferry (2018)</i>	[39]	United Kingdom	Dementia	Community	Trial	2016	A2, A1, B2	30
<i>Frahm-Falkenberg (2016)</i>	[40]	Denmark	Dementia	Combined	Retrospective	2009	A2, A1, A3	78715
<i>Francois (2004)</i>	[41]	Finland	Dementia	Community, Institution	Cross-sectional	2001	ABC	137
<i>Garcia-Garcia (2021)</i>	[42]	Spain	Dementia	Institution	Prospective	2021	A3	43
<i>Gerves (2014)</i>	[43]	France	AD	Community	Cross-sectional	2009	C, A, B, ABC	54
<i>Gillespie (2013)</i>	[44]	Ireland	AD	Community	Cross-sectional	2008	C, A1, A2, B2, AB, ABC	100
<i>Gola (2020)</i>	[45]	United Kingdom	Dementia	Institution	Prospective	2012	AB	43
<i>Graff (2008)</i>	[46]	Netherlands	Dementia	Community	Trial	2004	C, A2, A1, B2, B1, ABC	65
<i>Gustavsson (2010)</i>	[2]	Northern Europe, Western Europe, Southern Europe	AD	Community	Prospective	2006	C, A1, A, A3, B2, B1, B, ABC	1642
<i>Gustavsson (2011)</i>	[47]	United Kingdom, Sweden, Spain	AD	Community, Institution	Cross-sectional	2007	C1, C, A1, A2, A3, B1, B2	862
<i>Gustavsson (2012)</i>	[48]	Sweden	AD	Community, Institution, Combined	Prospective	2005	ABC	870
<i>Handels (2013)</i>	[49]	Netherlands	Dementia	Community	Trial	2005	C, A2, A3, A1, B2, B1, AB	219

<i>Handels (2018)</i>	[50]	Portugal, Germany, United Kingdom, Norway, Netherlands, Italy, Sweden, Ireland	Dementia	Community	Cross-sectional	2015	C1, C, C2, A1, A2, B1, B2	453
<i>Happich (2016)</i>	[51]	United Kingdom	VaD, prior AD, VaD	Combined	Retrospective	2013	A2, A3, A1, A	2049
<i>Henderson (2019)</i>	[52]	United Kingdom	Dementia	Combined	Prospective	2015	C1, C2, A3, A2, A1, B2, AB	1547
<i>Holmerova (2017)</i>	[53]	Czechia	Dementia	Combined	Cross-sectional	2015	C, A2, A1, A3, B2, B1	119
<i>Howard (2021)</i>	[54]	United Kingdom	Dementia	Community	Trial	2016	C, A3, A2, A1, B2, AB, ABC	223
<i>Jakobsen (2011)</i>	[55]	Denmark	Dementia	Combined	Cross-sectional	2010	C	297
<i>Jetsonen (2021)</i>	[56]	Finland	AD	Community	Trial	2016	C, AB, ABC	231
<i>Joling (2015)</i>	[57]	Netherlands	Dementia	Community	Prospective	2009	C1, C2, A3, A2, A1, B2	192
<i>Jones (2015)</i>	[58]	United Kingdom	AD	Combined	Cross-sectional	2010	A, B	249
<i>Jönsson (1999)</i>	[60]	Sweden	Dementia	Combined	Prospective	1998	A3, B1, B2	206
<i>Jönsson (2006)</i>	[59]	Nordics	AD	Combined	Prospective	2003	C1, C2, A3, A1, A2, B1, B2, ABC	270
<i>Khan (2019)</i>	[61]	United Kingdom	Dementia	Combined	Trial	2015	C1, A2, A3, A1, B2, B1, ABC	136
<i>Kiencke (2011)</i>	[62]	Germany	AD	Combined	Retrospective	2005	A2, A3, A1, A, B2, AB	1581
<i>Knapp (2016)</i>	[63]	United Kingdom	Dementia	Combined	Retrospective	2011	A1, B1	3075
<i>Knapp (2017)</i>	[64]	United Kingdom	AD	Community	Trial	2014	C, A1, B2, AB, ABC	72
<i>König (2014)</i>	[65]	Germany	Dementia	Institution, Community	Cross-sectional	2008	C, A2, A3, A1, A, B2, B1, B, ABC	301
<i>Kronborg Andersen (1999)</i>	[66]	Denmark	Dementia	Combined	Prospective	1997	A2, A1, B2, AB	245

<i>Leicht (2011)</i>	[67]	Germany	Dementia	Combined	Cross-sectional	2008	C, A2, A3, A1, A, B1, B2, B, ABC	176
<i>Lenox-Smith (2016)</i>	[68]	United Kingdom	AD	Community	Prospective	2010	C, A, B, ABC	408
<i>Livingston (2004)</i>	[70]	United Kingdom	AD	Combined	Prospective	2003	ABC	224
<i>Livingston (2014)</i>	[69]	United Kingdom	Dementia	Community	Trial	2009	A2, A1, B2, B1, AB	67
<i>Longo (2019)</i>	[71]	United Kingdom	Dementia	Community	Cross-sectional	2016	C, A2, A, A1, B2, B	323
<i>Lopez-Bastida (2006)</i>	[72]	Spain	AD	Combined	Cross-sectional	2001	C, C1, A1, A2, A3, B2, B1	237
<i>Luz Pires (2020)</i>	[73]	Portugal	Dementia	Community	Prospective	2016	C	123
<i>MacNeil Vroomen (2016)</i>	[74]	Netherlands	Dementia	Community	Trial	2010	C, A2, A3, A1, B2, B1, ABC	73
<i>Meeuwssen (2013)</i>	[75]	Netherlands	Dementia	Community	Trial	2009	C1, C2, A2, A3, A1, B2, B1, ABC	83
<i>Menn (2012)</i>	[76]	Germany	Dementia	Community	Trial	2008	C, A1, A3, A2, B1, B2, ABC	171
<i>Mesterton (2010)</i>	[77]	Sweden	AD	Combined, Community, Institution	Cross-sectional	2007	B1, B2, A3, A1, C2, A2, C1, C, A, B, ABC	233
<i>Michalowsky (2014)</i>	[78]	Germany	Dementia	Community	Trial	2013	A3	205
<i>Michalowsky (2018)</i>	[79]	Germany	Dementia	Community	Trial	2015	C1, C2, C, A2, A3, A1, A, B1, B2, B, ABC	425
<i>Morris (2015)</i>	[80]	United Kingdom	AD	Community	Prospective	2011	AB	695
<i>Mostardt (2012)</i>	[81]	Germany	Dementia	Community	Trial	2008	A3, A2, A1, B2, AB	76
<i>Mueller (2018)</i>	[82]	United Kingdom	AD, DLB	Community	Retrospective	2013	A1	970
<i>Neubert (2021)</i>	[83]	Germany	Dementia	Combined	Prospective	2015	C2, A2, A3, A1, B2, B1	154

<i>O'Shea (2017)</i>	[84]	Ireland	Dementia	Community	Prospective	2013	C, A2, B2, B1	181
<i>Oberfrank (2014)</i>	[85]	Hungary	Dementia	Combined	Retrospective	2010	A1, A3, AB	60702
<i>Olazaran (2017)</i>	[86]	Spain	AD	Combined	Prospective	2013	C1, C, A1, A2, A3, B1, B2	380
<i>Panca (2019)</i>	[87]	United Kingdom	AD	Institution	Cross-sectional	2015	A1, A2, A3, B2	1421
<i>Paraponaris (2015)</i>	[88]	France	Dementia	Community	Cross-sectional	2008	C, AB	513
<i>Pena-Longobardo (2015)</i>	[89]	Spain	AD	Combined	Cross-sectional	2008	C	904
<i>Rapp (2012)</i>	[91]	France	AD	Community	Trial	2007	C, A, B, ABC	815
<i>Rapp (2018)</i>	[90]	France	AD	Community	Prospective	2010	C, A, B	414
<i>Reed (2017)</i>	[92]	Germany	AD	Community	Prospective	2010	ABC	552
<i>Reese (2011)</i>	[93]	Germany	Dementia	Community, Institution	Cross-sectional	2009	A2, A3, A1, A, B2, C1, C, ABC	395
<i>Reina (2019)</i>	[97]	Spain	Dementia	Combined	Cross-sectional	2012	C, AB	778
<i>Rigaud (2003)</i>	[16]	France	AD	Community	Cross-sectional	1996	C, A, B	50
<i>Romeo (2017)</i>	[94]	United Kingdom	Dementia	Institution	Trial	2012	A2, A3, A1, A, B2, B1	277
<i>Rosenvall (2020)</i>	[95]	Finland	AD	Combined	Retrospective	2011	A1, B2, B1	924
<i>Rubinsztein (2015)</i>	[96]	United Kingdom	Dementia	Community	Retrospective	2011	A2, A3, A, B2	66
<i>Schulenberg (1998)</i>	[98]	Germany	AD	Combined	Cross-sectional	1995	A2, A1, A3	158
<i>Schwarzkopf (2011)</i>	[99]	Germany	Dementia	Community	Trial	2008	C, A2, A3, A1, B1, AB, ABC	382
<i>Schwarzkopf (2012)</i>	[101]	Germany	Dementia	Combined	Retrospective	2006	A, A2, A3, A1, B1, AB	9147
<i>Schwarzkopf (2013)</i>	[100]	Germany	Dementia	Community, Institution	Retrospective	2006	A, A2, A3, A1, B1, AB	5093
<i>Scuvee-Moreau (2002)</i>	[102]	Belgium	Dementia	Community, Institution	Prospective	2002	A2, A1, A3	386
<i>Sögaard (2014)</i>	[108]	Denmark	AD	Community	Trial	2008	C1, C, A2, A1, B1, ABC	167
<i>Sopina (2019)</i>	[103]	Denmark	AD	Combined	Retrospective	2016	A2, A3, A1	26951

<i>Soto-Gordoa (2014)</i>	[104]	Spain	Dementia	Institution, Community	Retrospective	2008	B	2957
<i>Souetre (1995)</i>	[106]	France	AD	Community	Cross-sectional	1991	C, A2, A3, A1, B2	51
<i>Souetre (1999)</i>	[105]	United Kingdom	AD	Community	Cross-sectional	1999	C2, A1, A2, A3, B1, B2	128
<i>Steinbeisser (2020)</i>	[107]	Germany	Dementia	Community	Trial	2014	C1, C2, C, B2, AB, ABC	171
<i>Taipale (2016)</i>	[109]	Finland	AD	Combined	Retrospective	2011	A1, A3	70718
<i>Trabucchi (1999)</i>	[110]	Italy	AD	Community	Prospective	1996	C, A1, A3, B2, B1	103
<i>Turro-Garriga (2010)</i>	[113]	Spain	Dementia	Community	Prospective	2006	C	169
<i>Turro-Garriga (2015)</i>	[111]	Spain	Dementia	Community, Combined, Institution	Retrospective	2008	A3	1459
<i>Turro-Garriga (2016)</i>	[112]	Spain	Dementia	Combined	Prospective	2010	C, B2, B, ABC	514
<i>Turro-Garriga (2020)</i>	[114]	Spain	AD	Community	Cross-sectional	2019	C, A2, A1, B2	147
<i>van de Ven (2014)</i>	[115]	Netherlands	Dementia	Institution	Trial	2010	A3, A2, A1, A, B2	164
<i>van Santen (2021)</i>	[116]	Netherlands	Dementia	Community	Trial	2016	ABC	39
<i>Vandepitte (2020)</i>	[117]	Belgium	Dementia	Community	Cross-sectional	2018	C, A1, A2, B2, B1, ABC	355
<i>Vossius (2014)</i>	[118]	Norway	Dementia	Community	Prospective	2010	B1, B2, AB	109
<i>Vossius (2019)</i>	[119]	Norway	Dementia	Community	Prospective	2017	C, AB, ABC	181
<i>Vroomen (2016)</i>	[120]	Netherlands	Dementia	Community	Trial	2010	C, A2, A1, A3, B2, B1, ABC	73
<i>Walsh (2019)</i>	[121]	Ireland	Dementia	Community	Prospective	2015	C, A2, A1, B2, ABC	253
<i>Wimo (2009)</i>	[122]	Sweden	Dementia	Combined	Prospective	2005	C, A, B1, B2, ABC	178
<i>Wimo (2003)</i>	[123]	Sweden	VaD, AD	Combined	Prospective	2005	C, ABC, AB	183
<i>Wohlgemuth (2020)</i>	[124]	Germany	Dementia	Community	Trial	2015	A, B, AB	424
<i>Woods (2012)</i>	[125]	United Kingdom	Dementia	Community	Trial	2010	A2, A1, B2, AB	140

<i>Wolstenholme (2002)</i>	[15]	United Kingdom	Dementia	Combined	Cross-sectional	1998	A2, A1, B1, B2, AB	100
<i>Wubker (2015)</i>	[126]	Estonia, Netherlands, Finland, France, Sweden, United Kingdom, Spain, Germany	Dementia	Community, Institution	Prospective	2010	C, A, B2, B1, ABC	1678
<i>Åkerborg (2016)</i>	[127]	Sweden	Dementia	Combined	Prospective	2012	C, A1, A2, B2, B1, ABC	170

Abbreviations: AD – Alzheimers Disease; VaD – Vascular dementia;

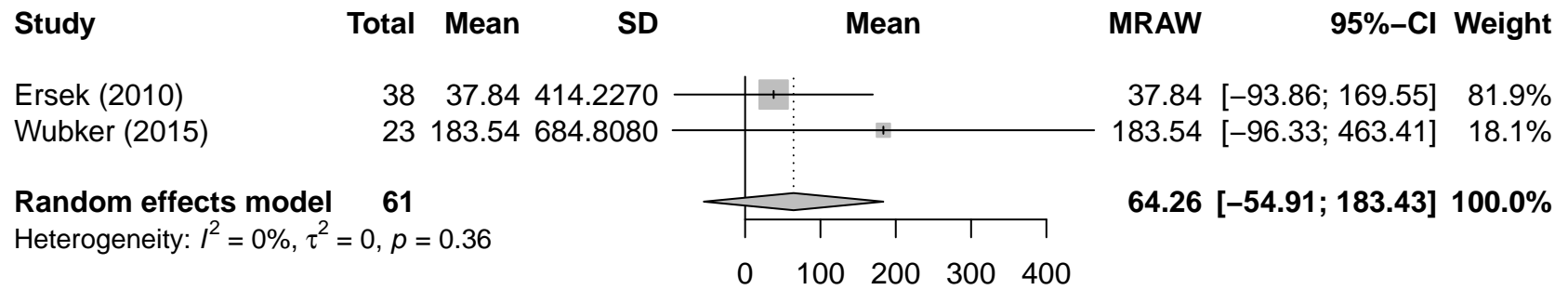
Costs: A1 – Inpatient care; A2 – Outpatient care; A3 – Pharmaceuticals; A – Direct medical care; B1– Institutional care; B2 – Community care; B – Direct non-medical care; C1 – Caregiver work loss; C2 – Caregiver time; C – Indirect care, ABC – Total direct and informal care

Citation refers to the reference number in the main publication.

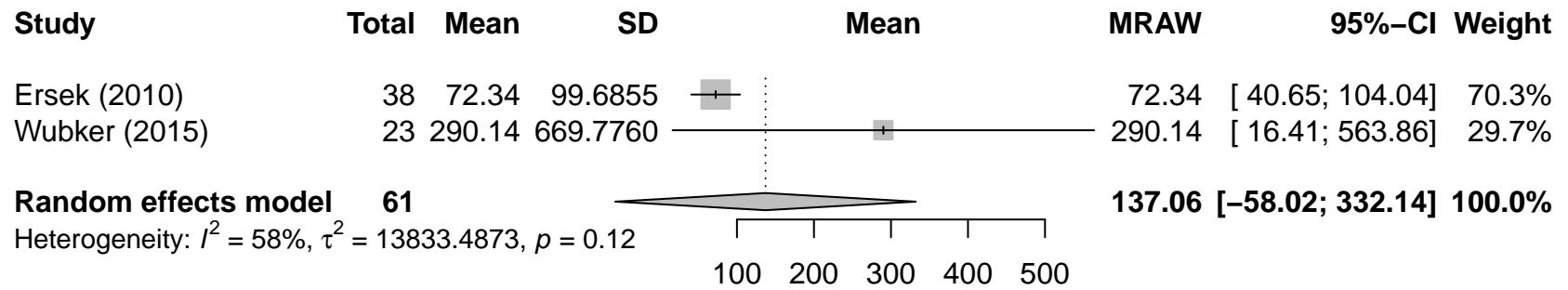


# Supplement 2

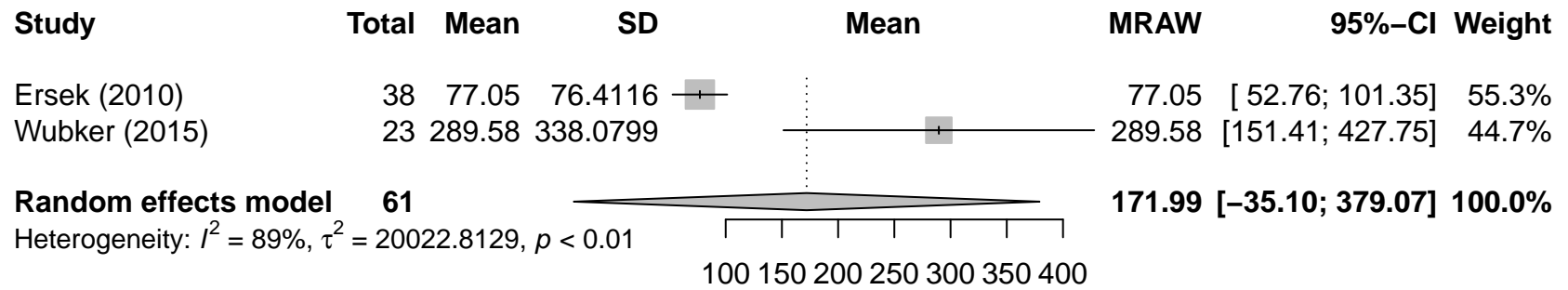
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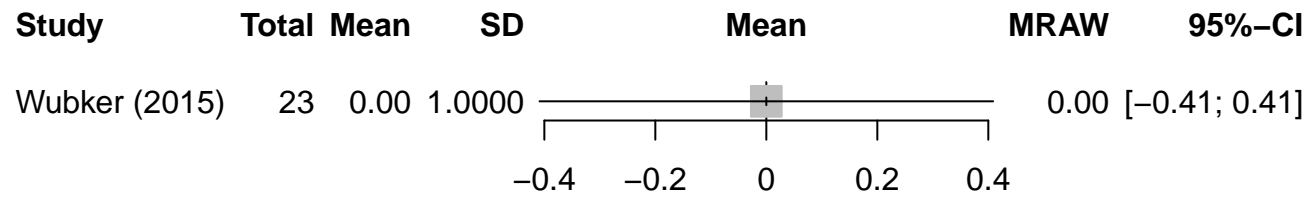
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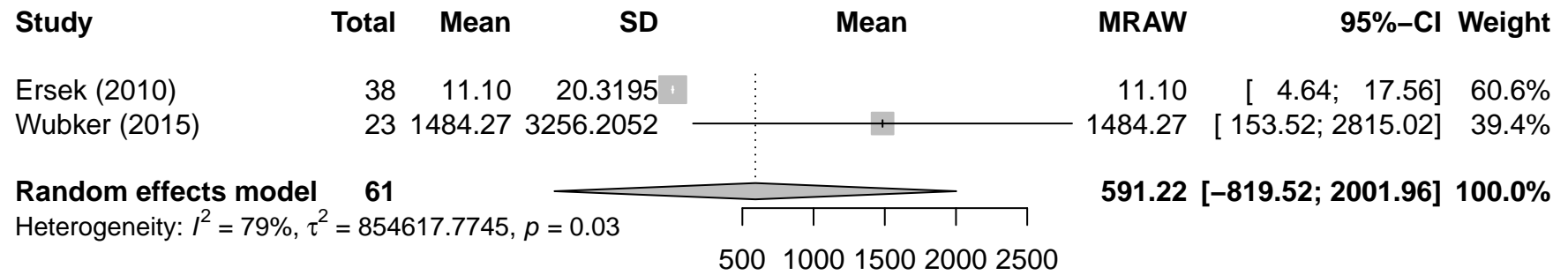
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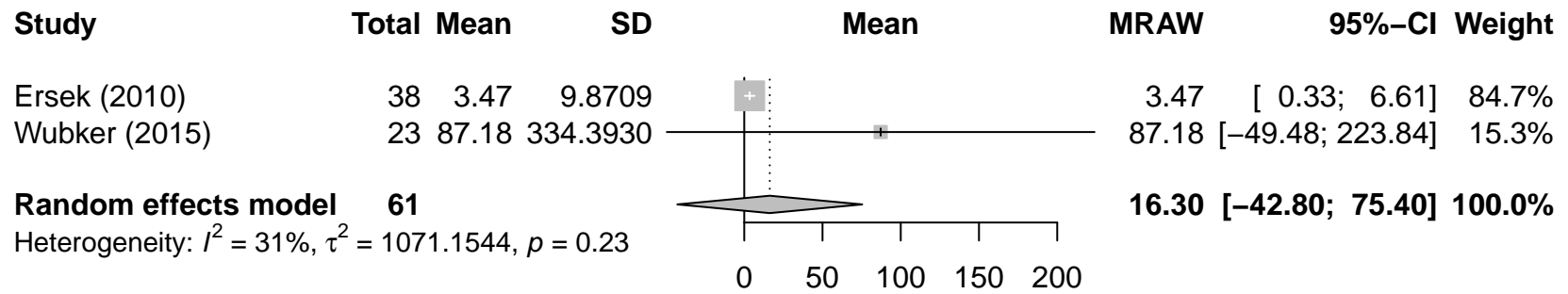
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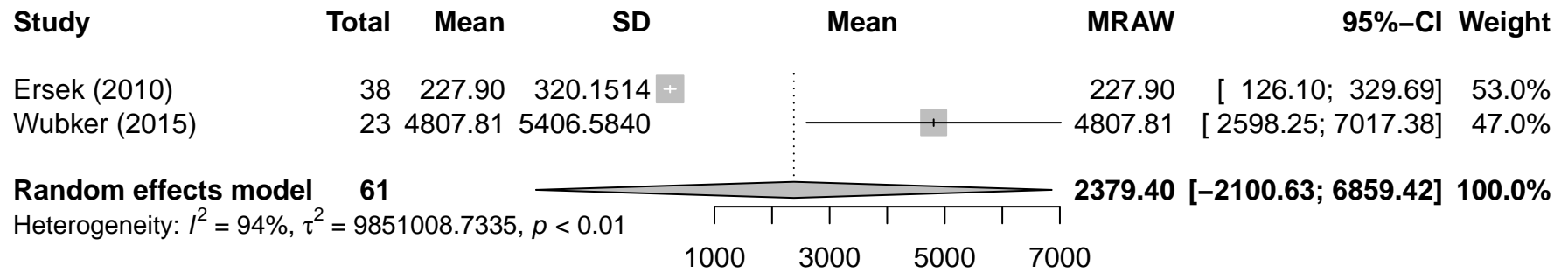
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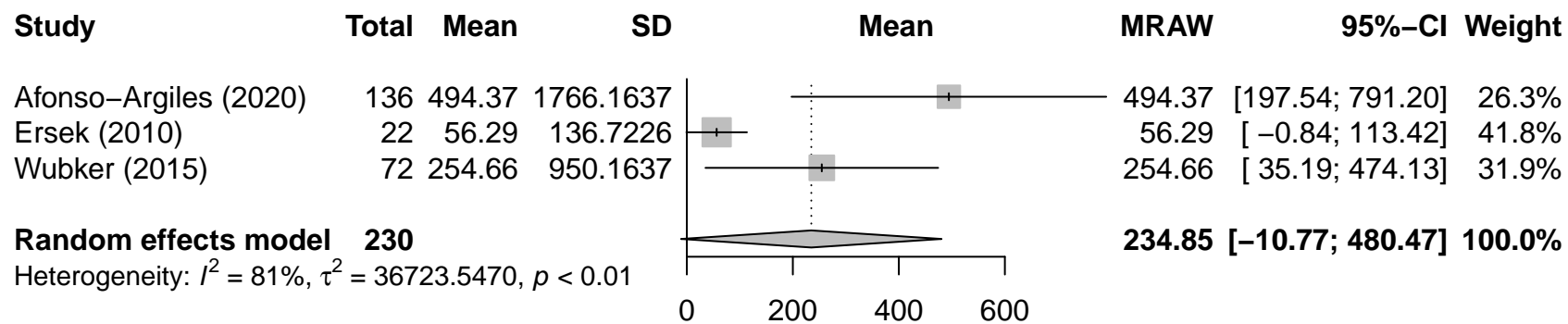
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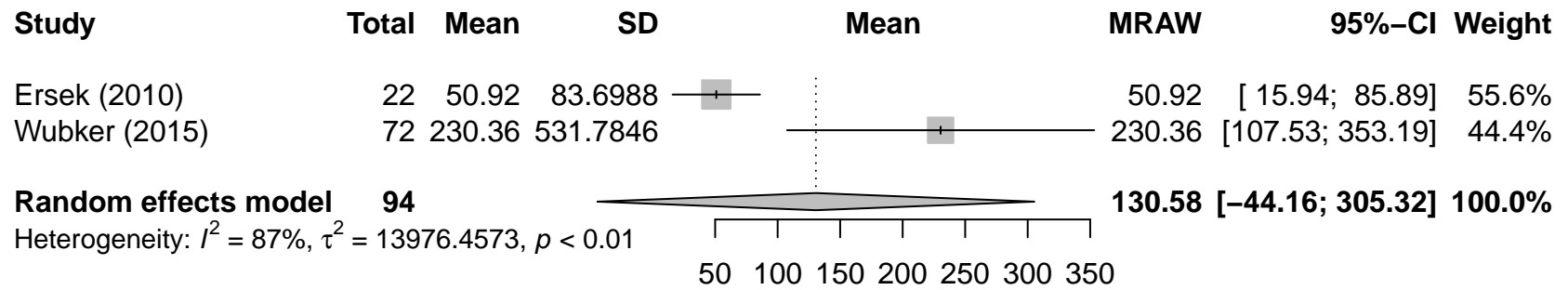


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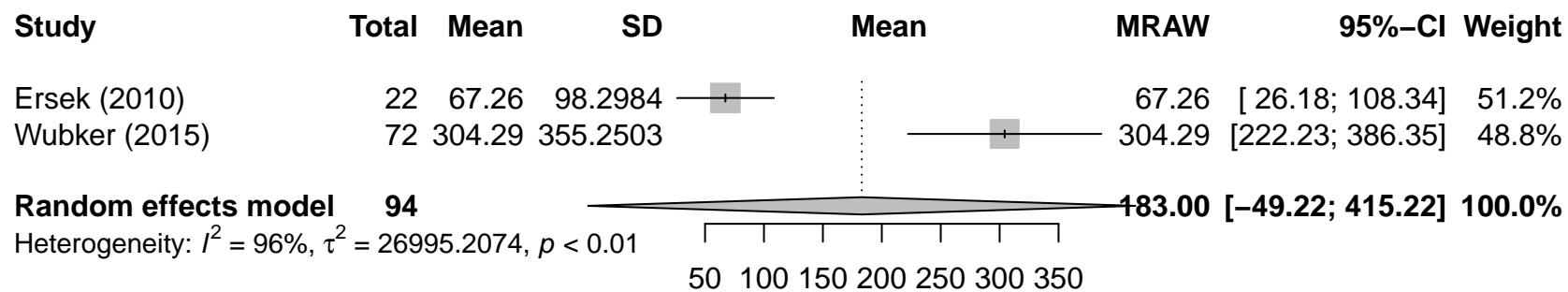




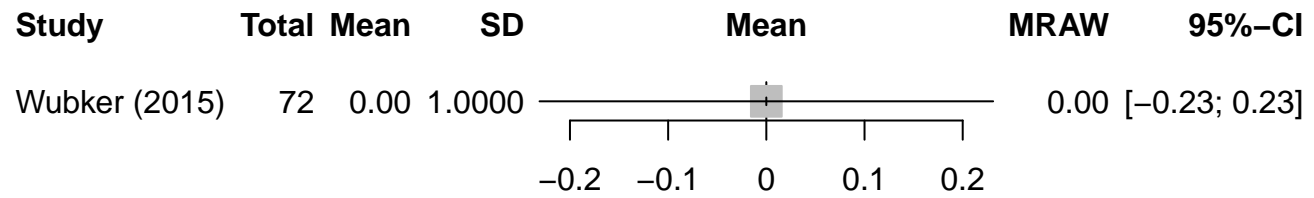
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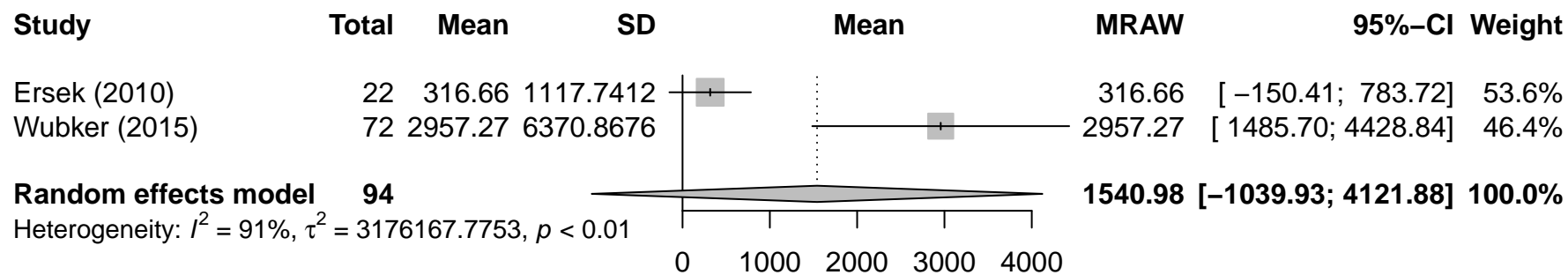
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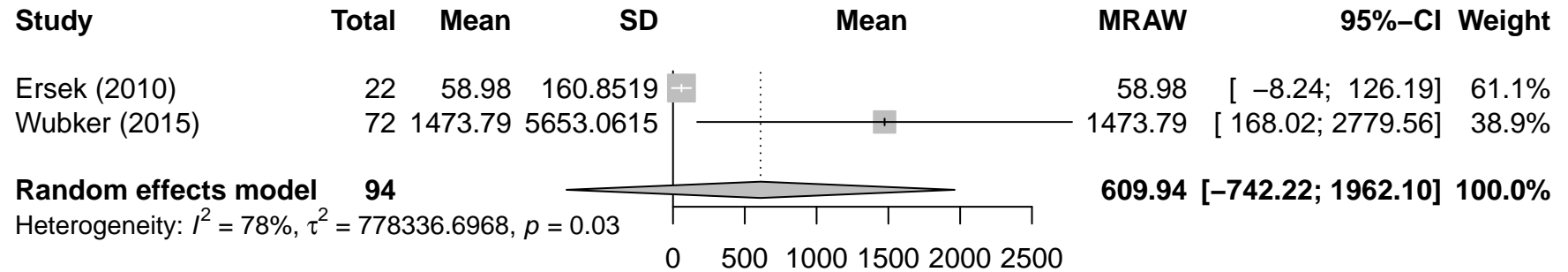
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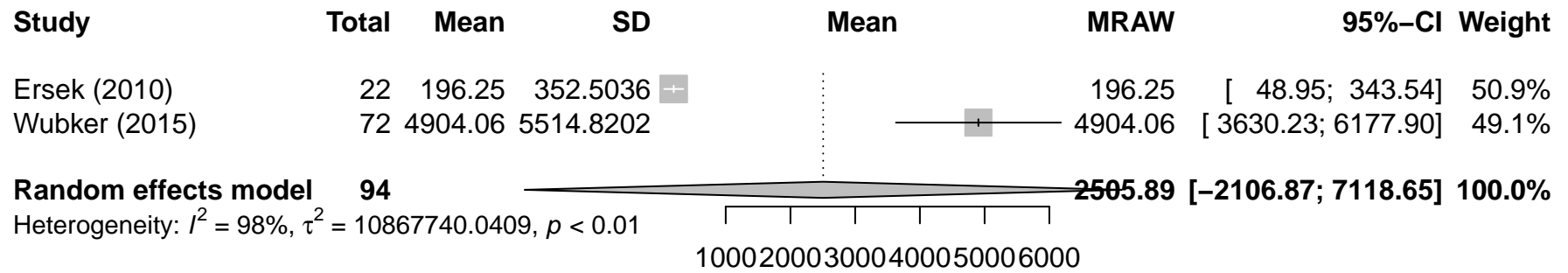
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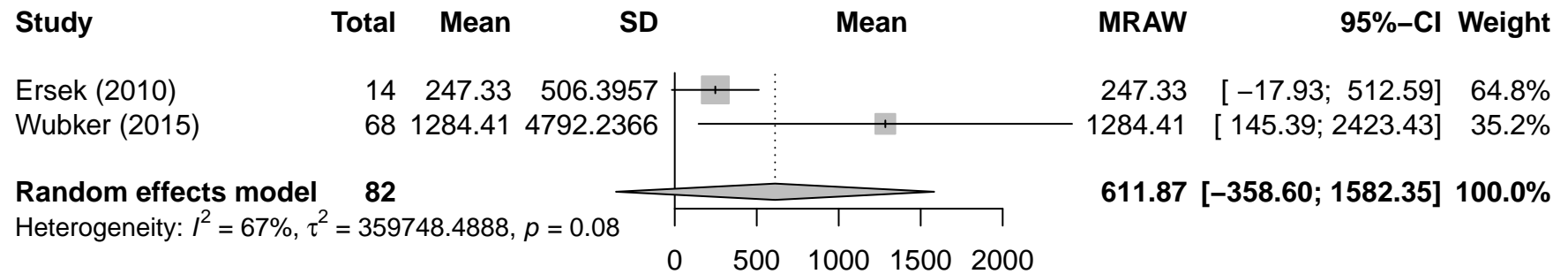
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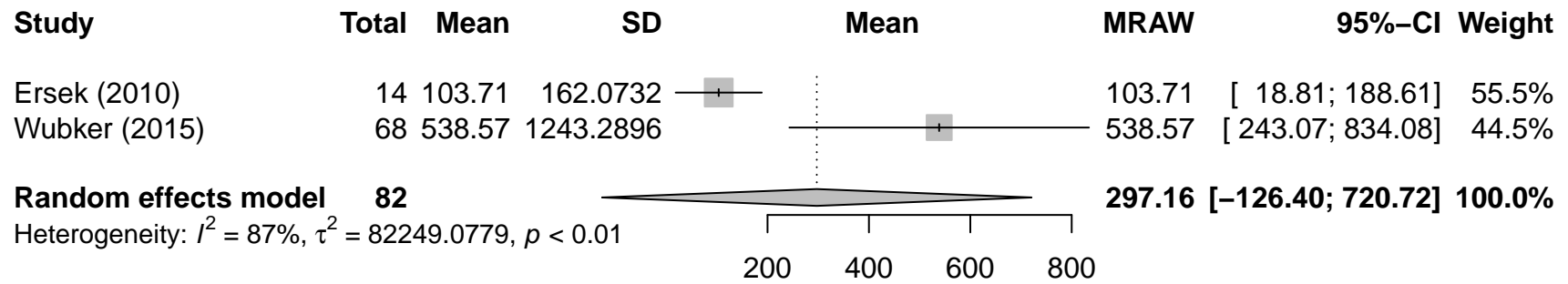
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Eastern Europe & Baltics, Community, Severe, Inpatient care

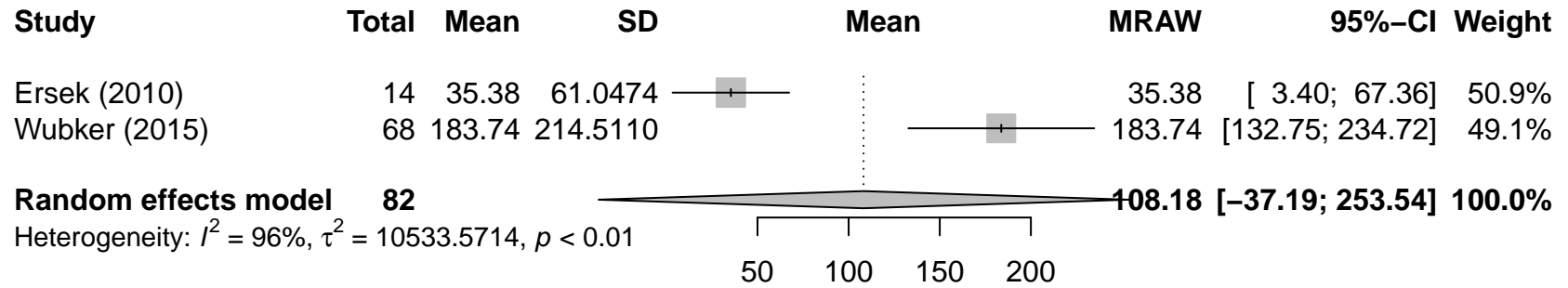


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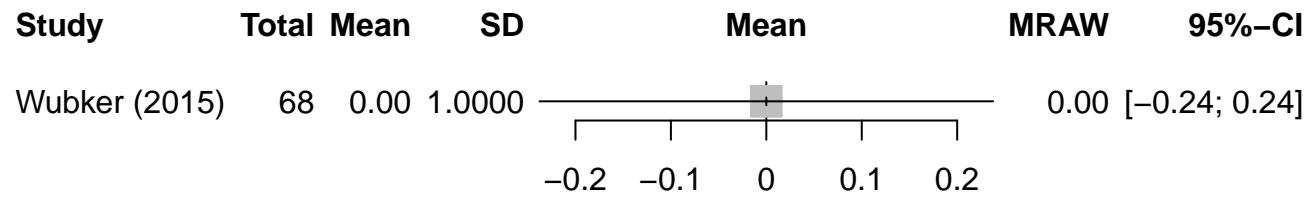




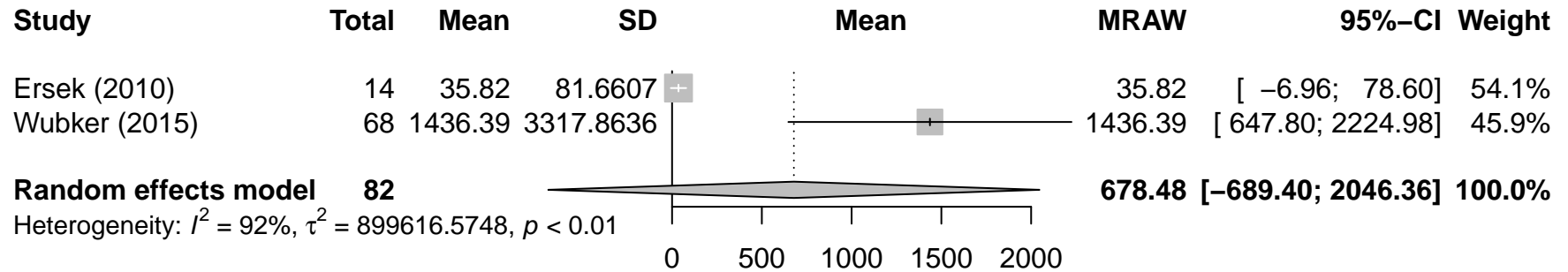
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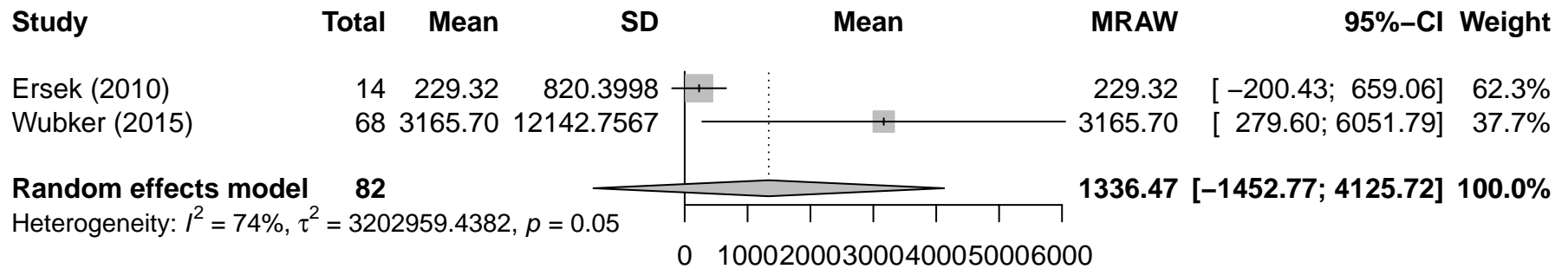
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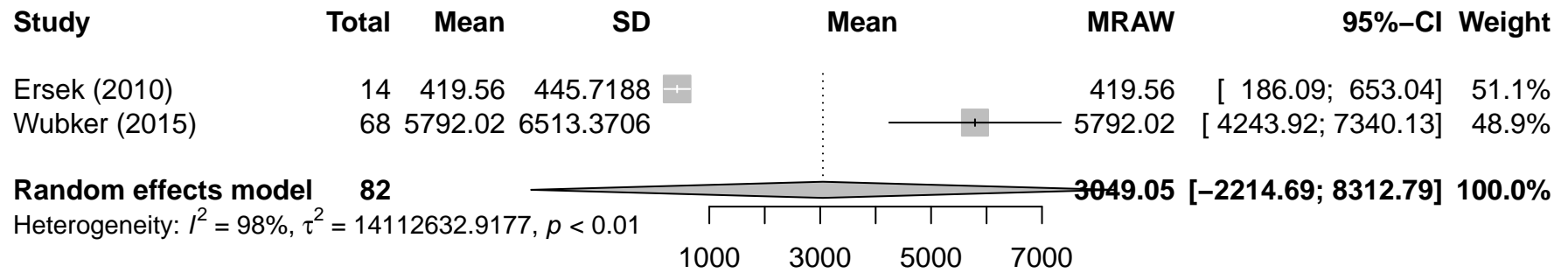
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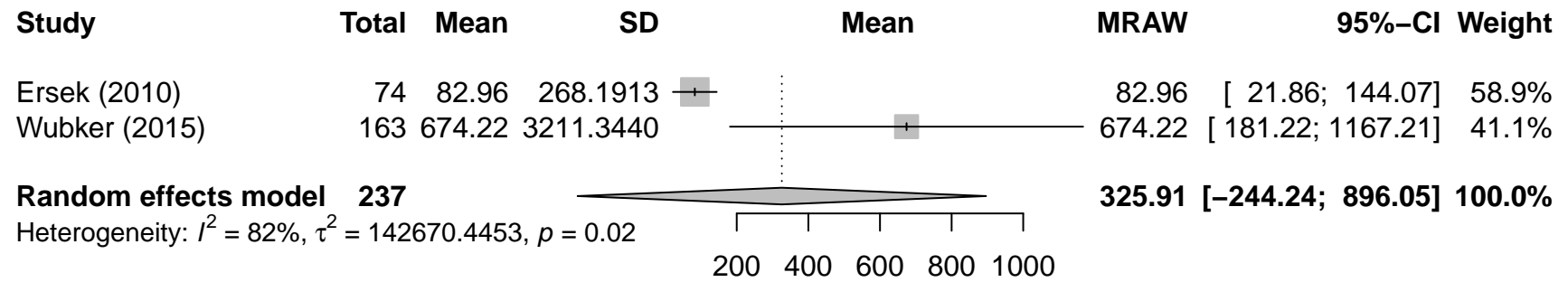
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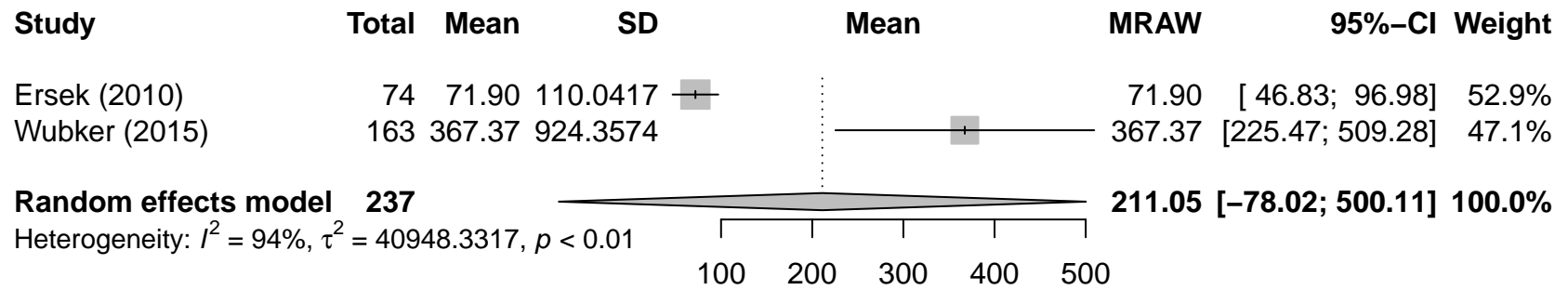
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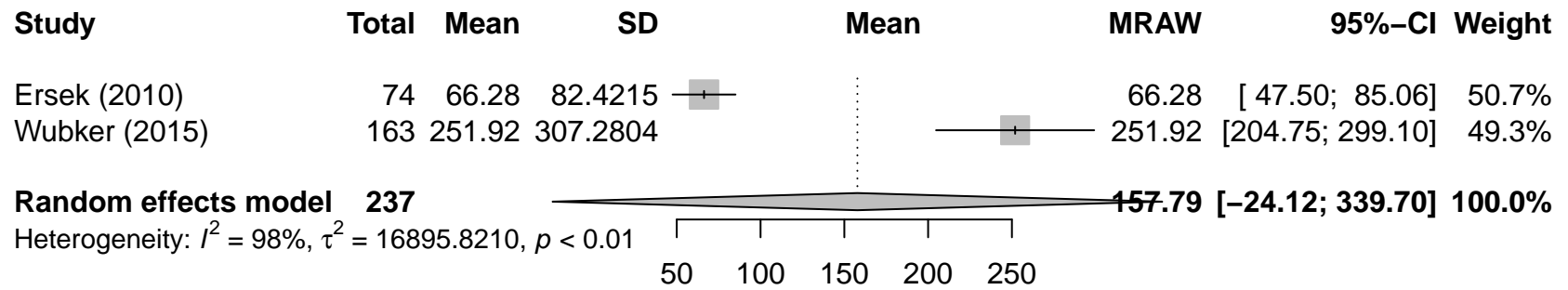
Eastern Europe & Baltics, Community, All, Inpatient care



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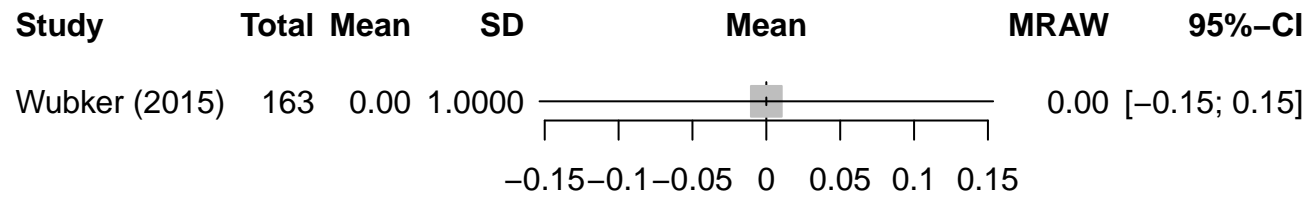


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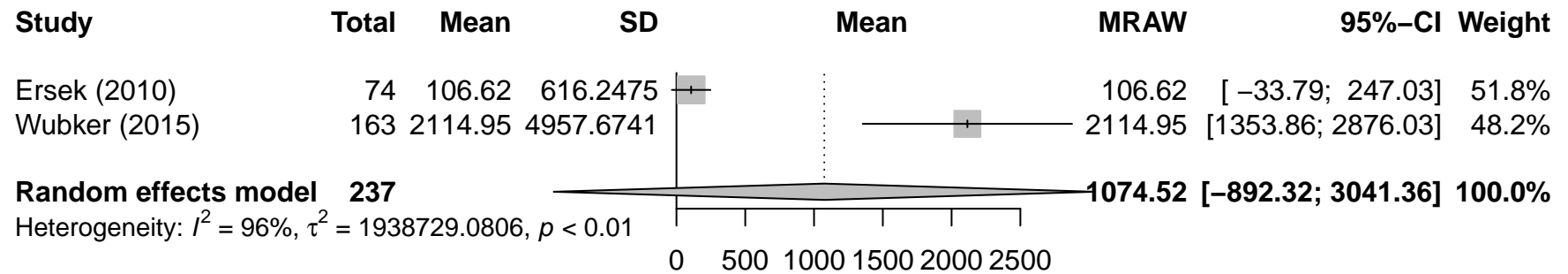




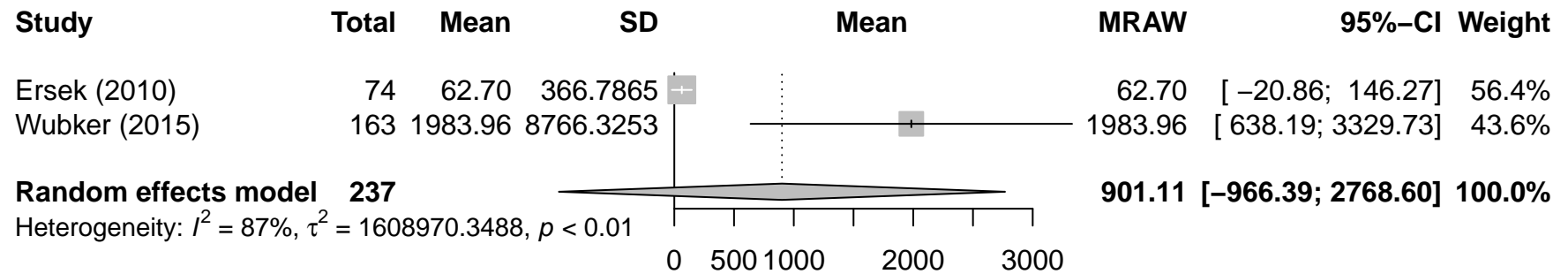
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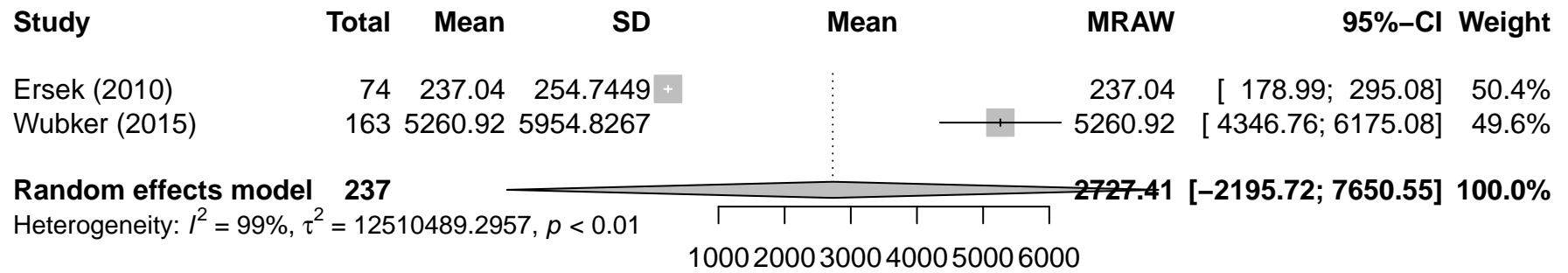
Eastern Europe & Baltics, Community, All, Community care



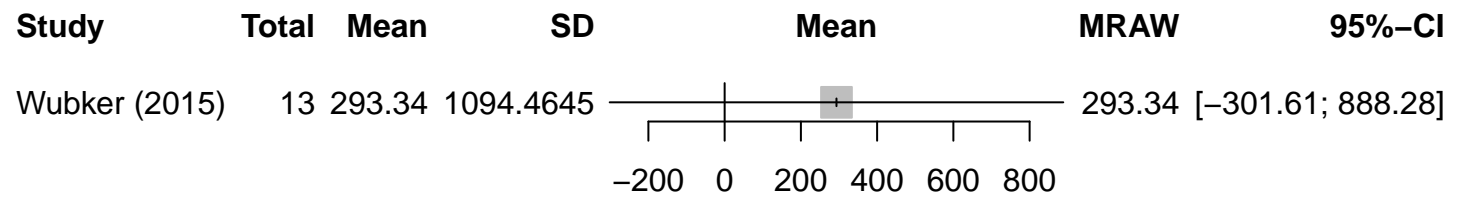
Eastern Europe & Baltics, Community, All, Caregiver work loss



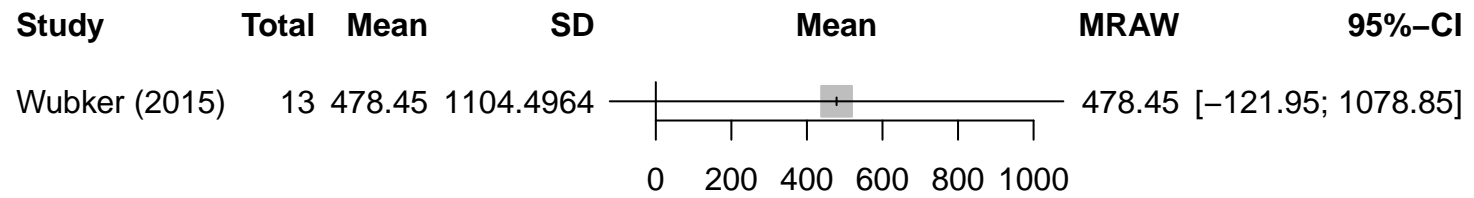
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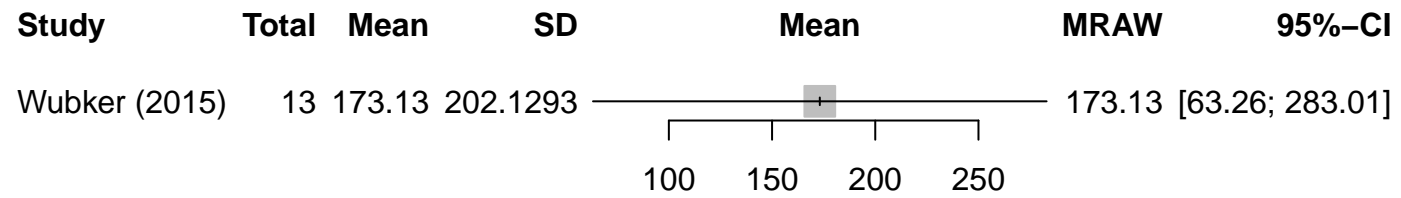
Eastern Europe & Baltics, Institution, Mild, Inpatient care



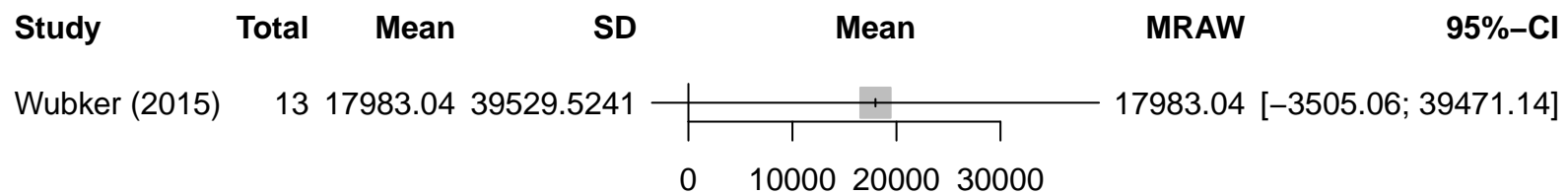
Eastern Europe & Baltics, Institution, Mild, Outpatient care



Eastern Europe & Baltics, Institution, Mild, Pharmaceuticals

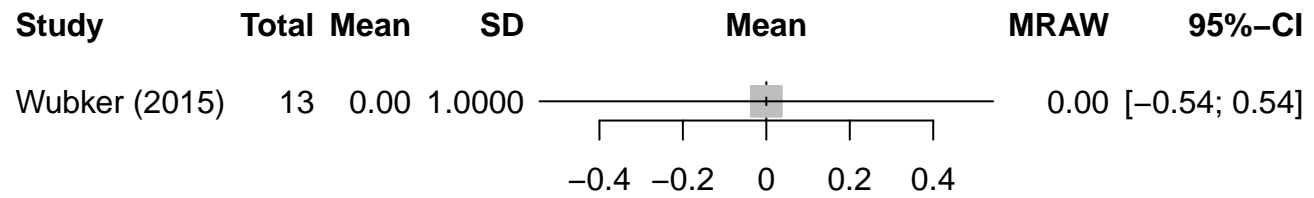


Eastern Europe & Baltics, Institution, Mild, Institutional care

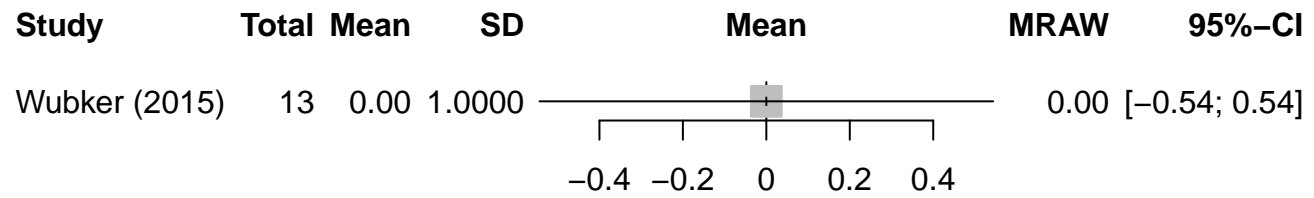




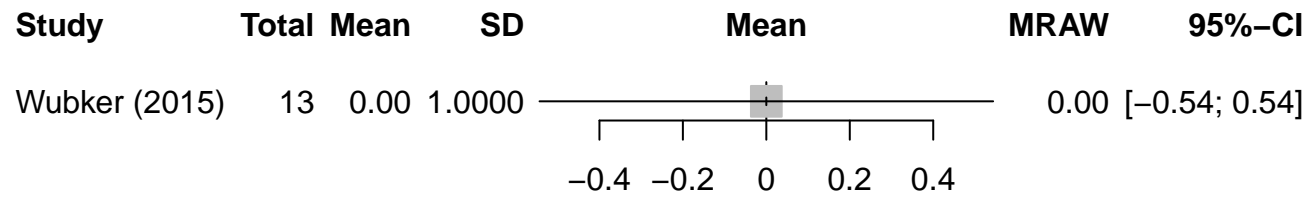
Eastern Europe & Baltics, Institution, Mild, Community care



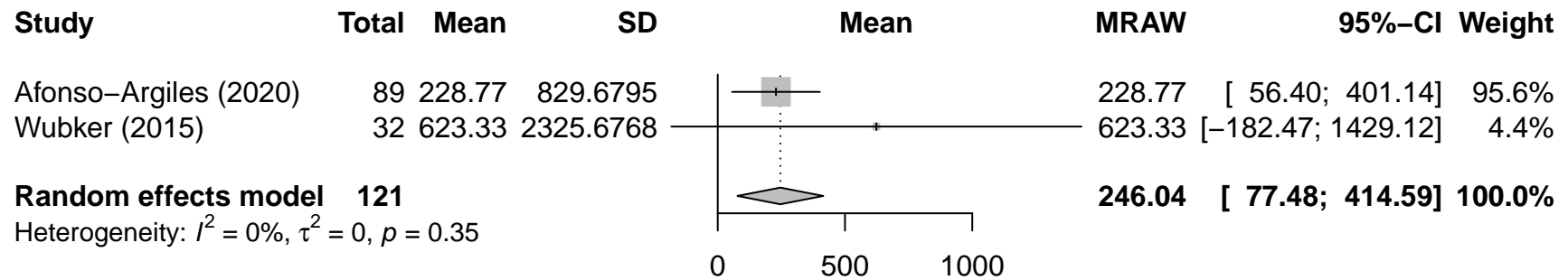
Eastern Europe & Baltics, Institution, Mild, Caregiver work loss



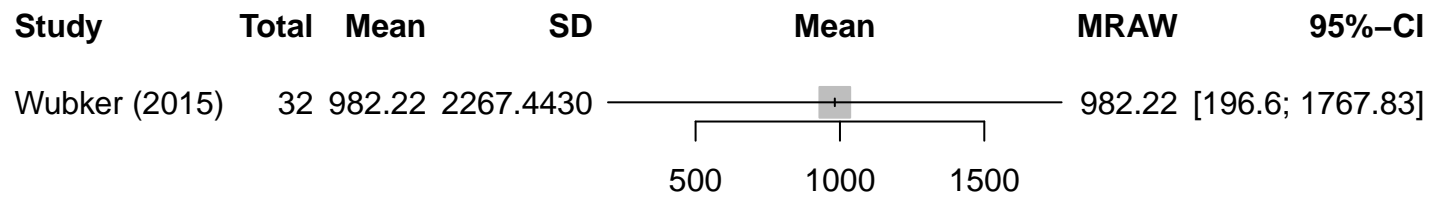
Eastern Europe & Baltics, Institution, Mild, Caregiver time



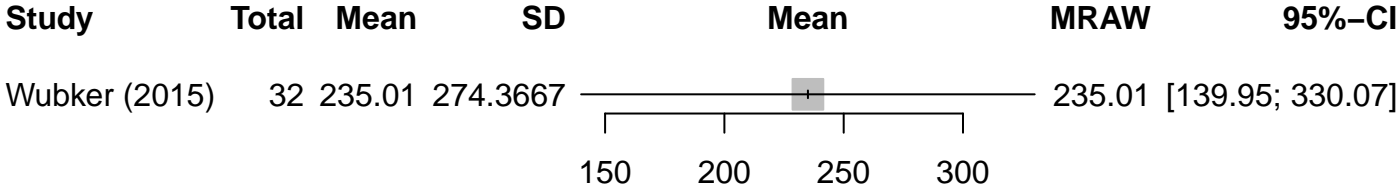
Eastern Europe & Baltics, Institution, Moderate, Inpatient care



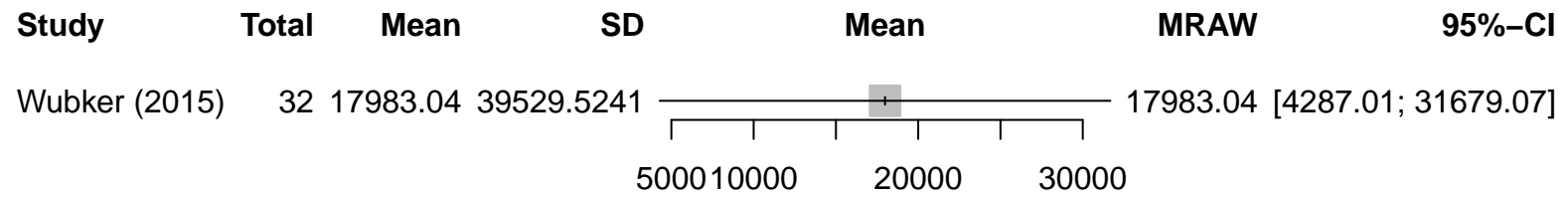
Eastern Europe & Baltics, Institution, Moderate, Outpatient care



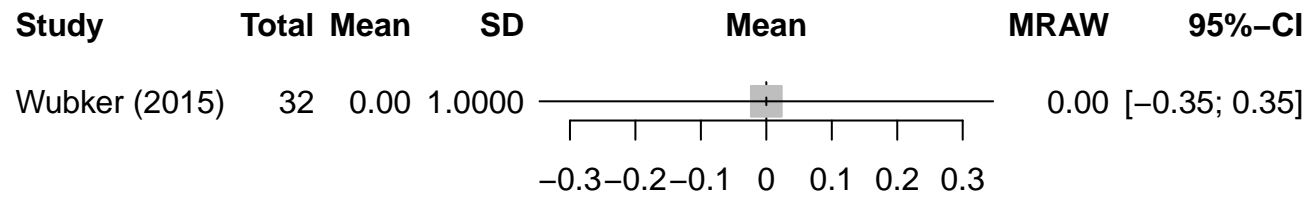
Eastern Europe & Baltics, Institution, Moderate, Pharmaceuticals



Eastern Europe & Baltics, Institution, Moderate, Institutional care

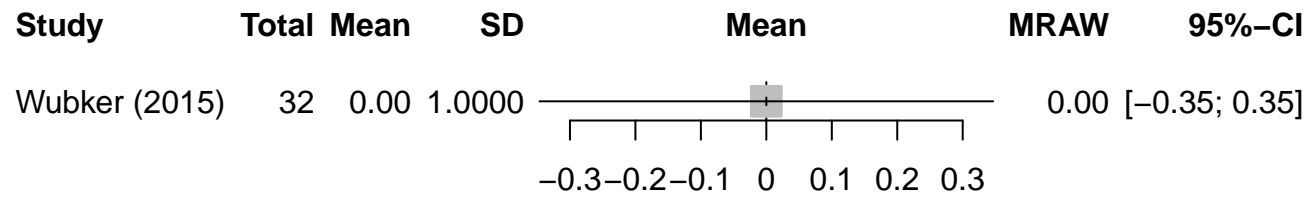


Eastern Europe & Baltics, Institution, Moderate, Community care

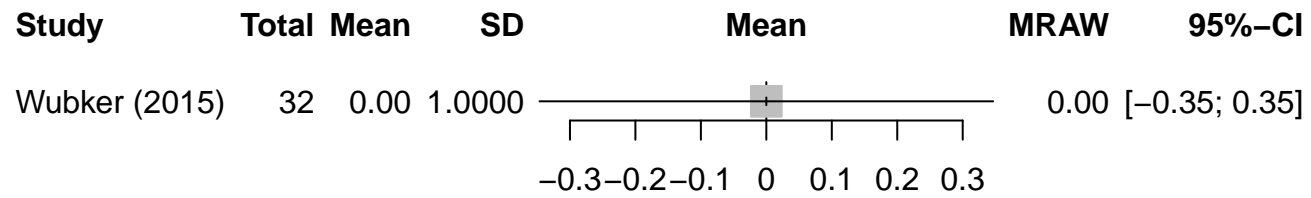




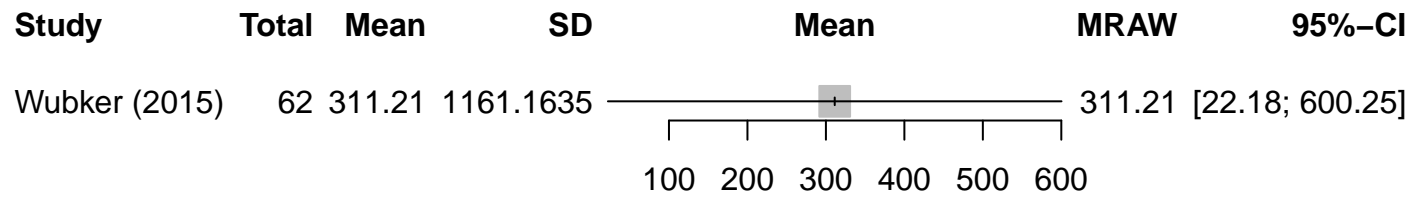
Eastern Europe & Baltics, Institution, Moderate, Caregiver work loss



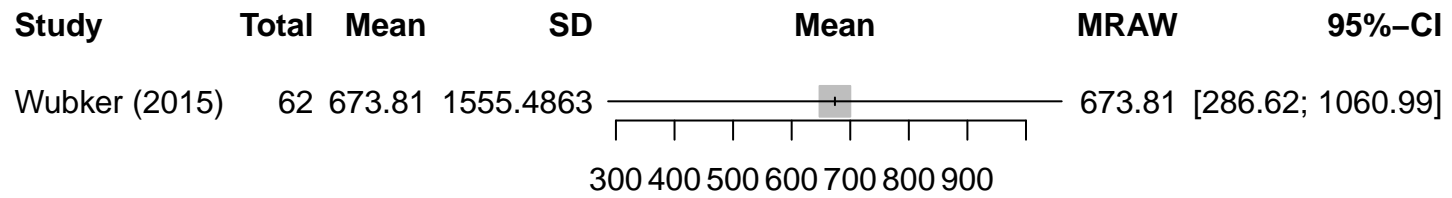
Eastern Europe & Baltics, Institution, Moderate, Caregiver time



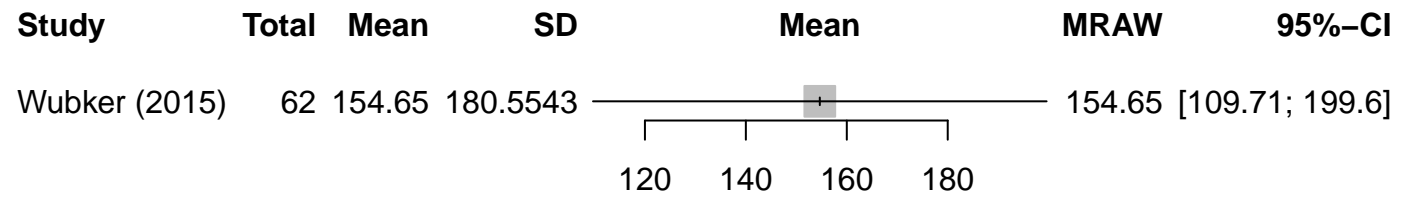
Eastern Europe & Baltics, Institution, Severe, Inpatient care



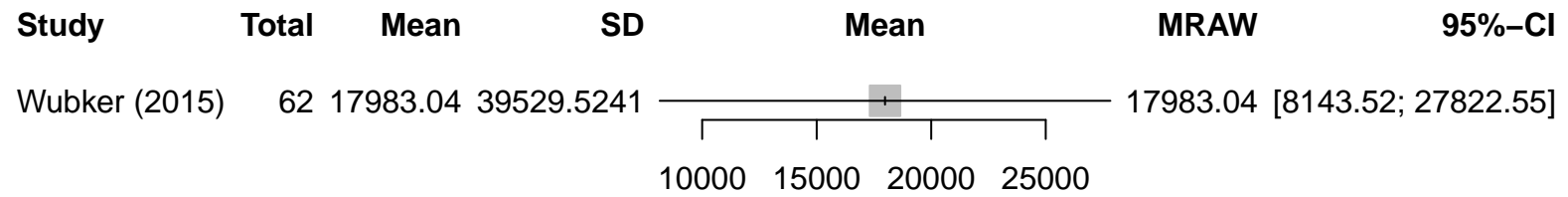
Eastern Europe & Baltics, Institution, Severe, Outpatient care



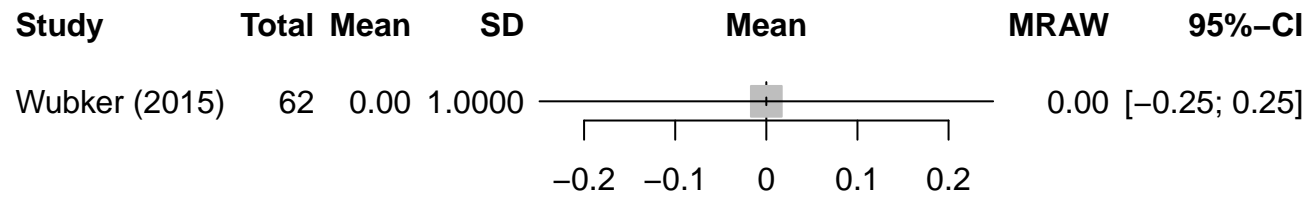
Eastern Europe & Baltics, Institution, Severe, Pharmaceuticals



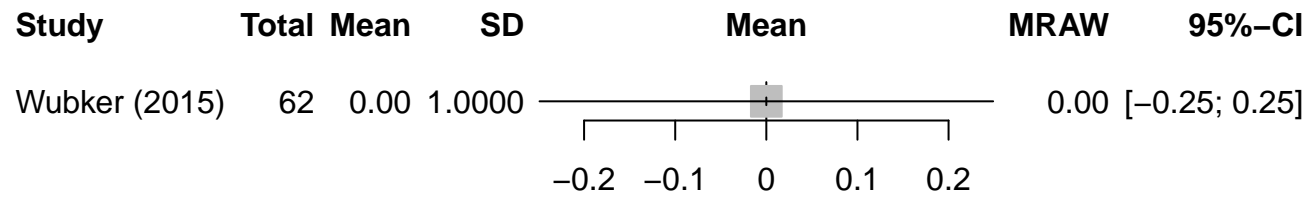
Eastern Europe & Baltics, Institution, Severe, Institutional care



Eastern Europe & Baltics, Institution, Severe, Community care

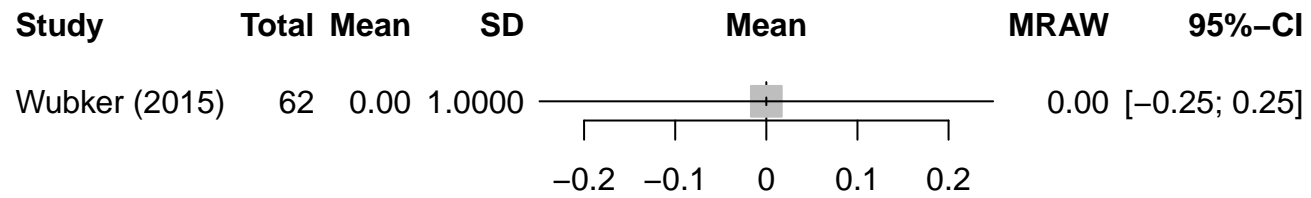


Eastern Europe & Baltics, Institution, Severe, Caregiver work loss

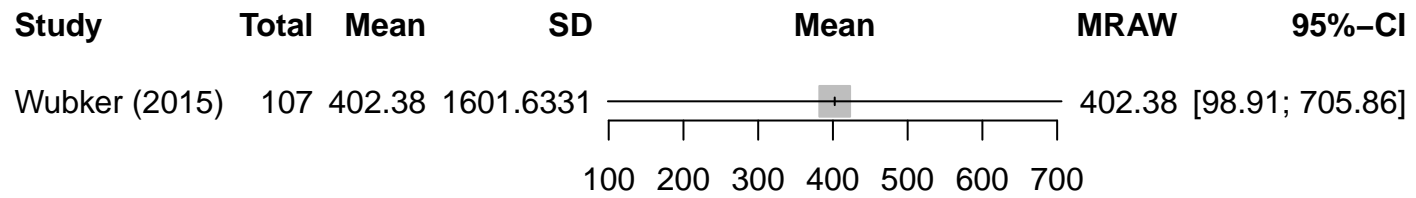




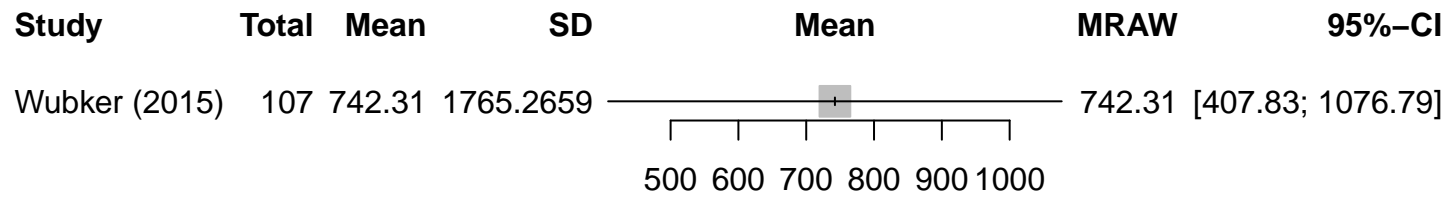
Eastern Europe & Baltics, Institution, Severe, Caregiver time



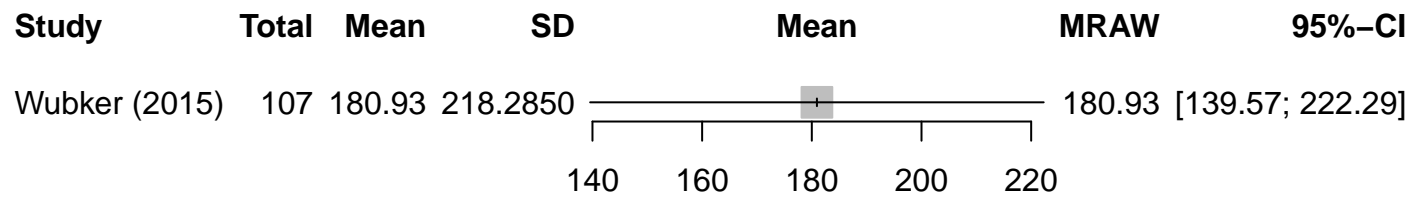
Eastern Europe & Baltics, Institution, All, Inpatient care



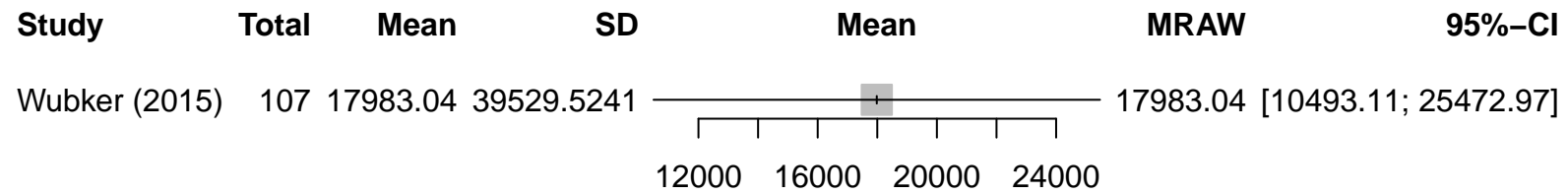
Eastern Europe & Baltics, Institution, All, Outpatient care



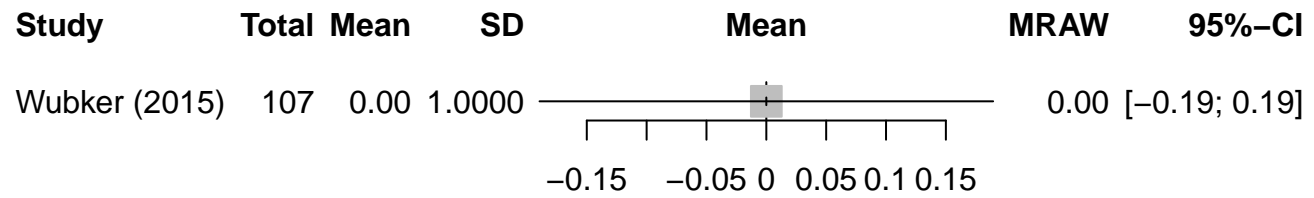
Eastern Europe & Baltics, Institution, All, Pharmaceuticals



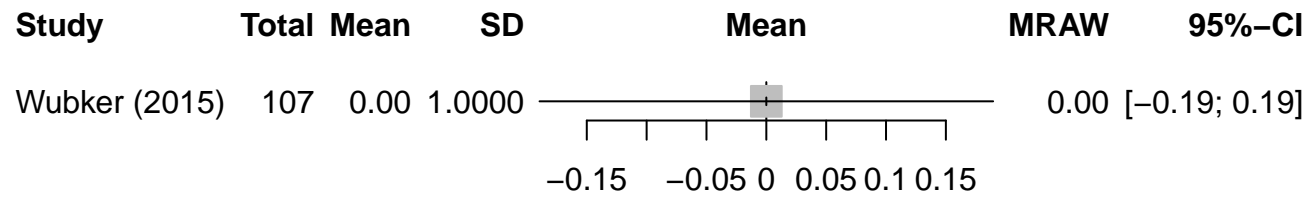
Eastern Europe & Baltics, Institution, All, Institutional care



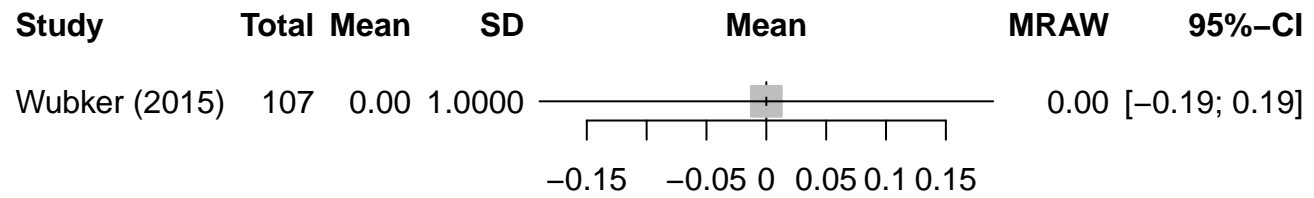
Eastern Europe & Baltics, Institution, All, Community care



Eastern Europe & Baltics, Institution, All, Caregiver work loss

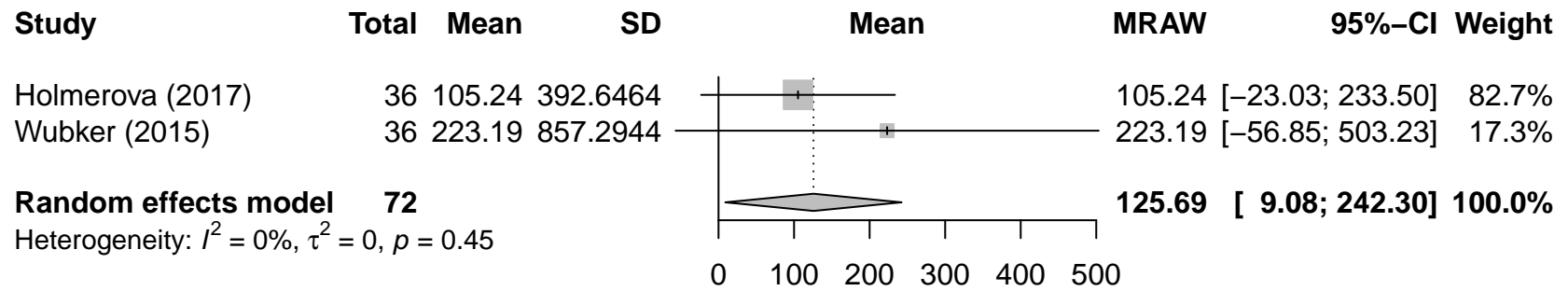


Eastern Europe & Baltics, Institution, All, Caregiver time

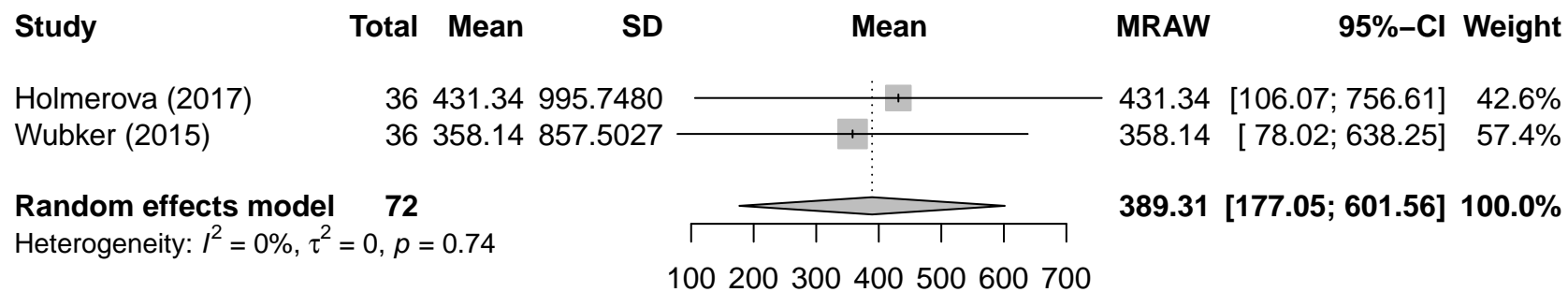




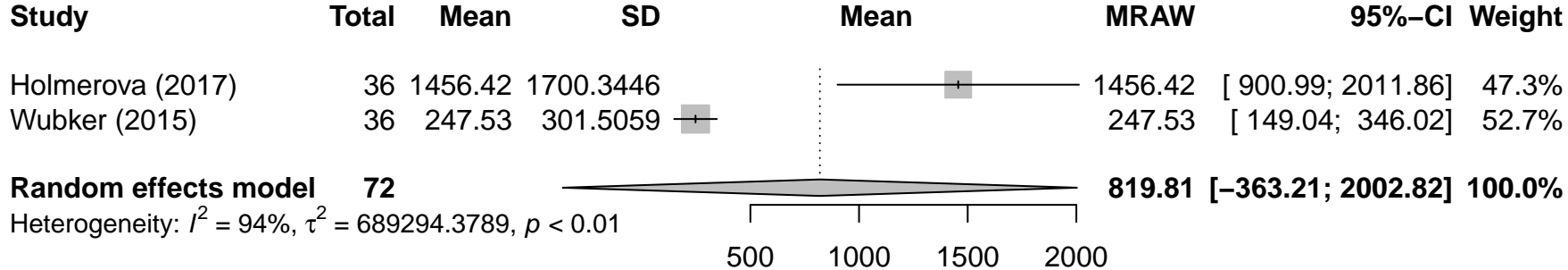
Eastern Europe & Baltics, All, Mild, Inpatient care



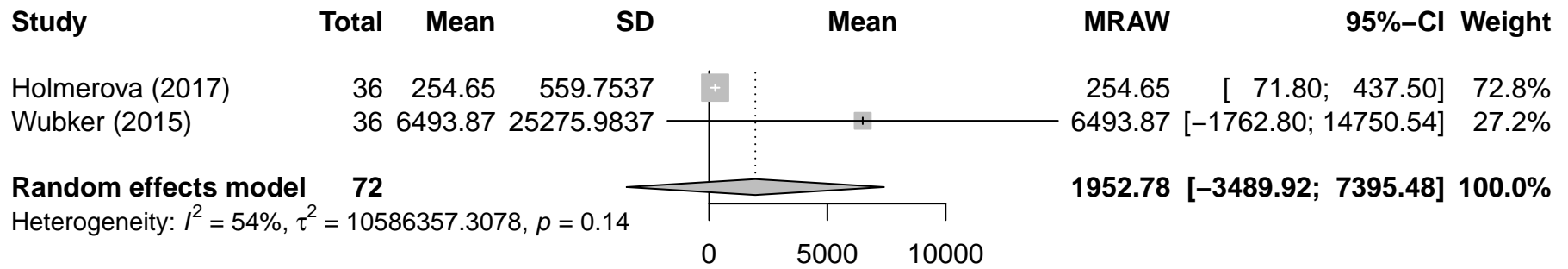
Eastern Europe & Baltics, All, Mild, Outpatient care



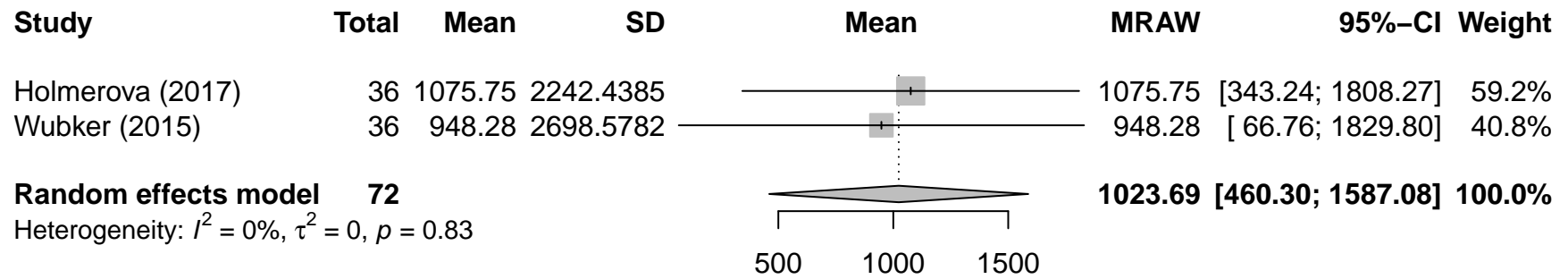
Eastern Europe & Baltics, All, Mild, Pharmaceuticals



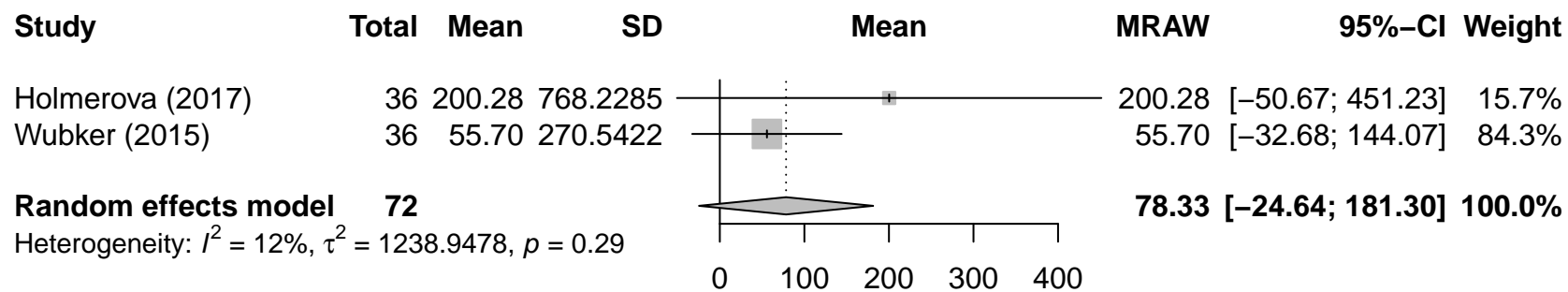
Eastern Europe & Baltics, All, Mild, Institutional care



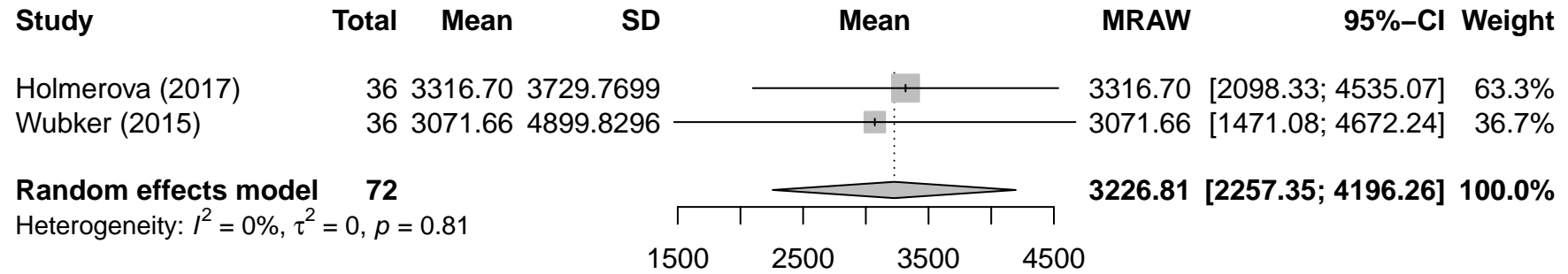
Eastern Europe & Baltics, All, Mild, Community care



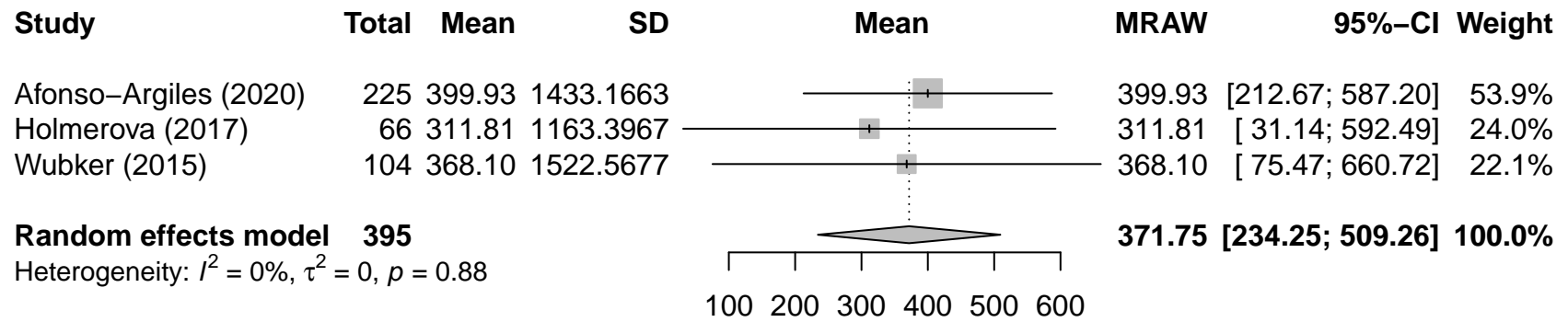
Eastern Europe & Baltics, All, Mild, Caregiver work loss



Eastern Europe & Baltics, All, Mild, Caregiver time

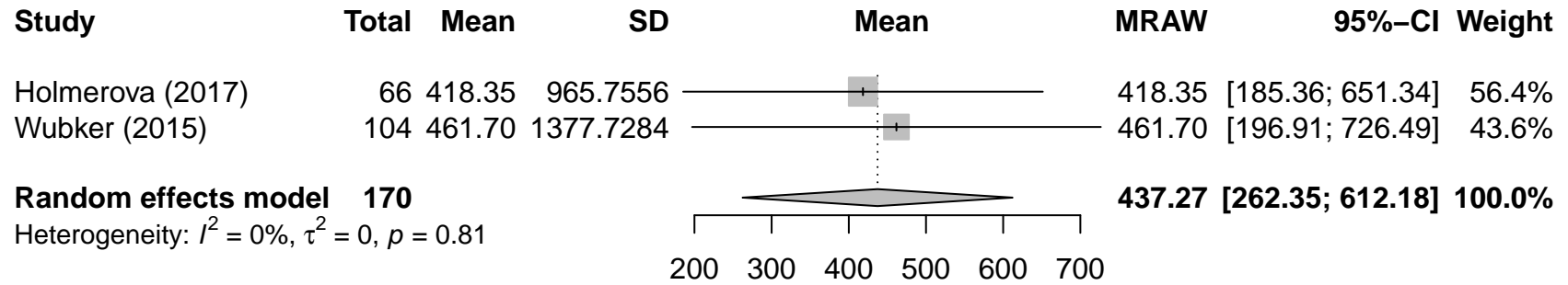


Eastern Europe & Baltics, All, Moderate, Inpatient care

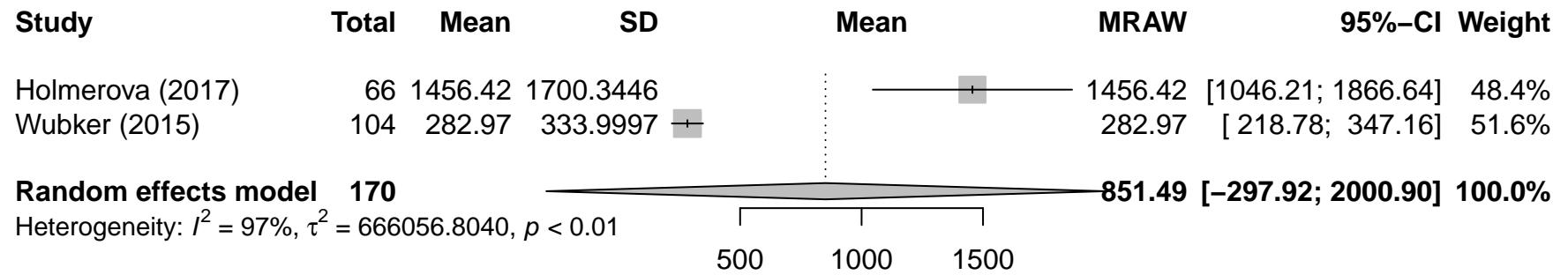




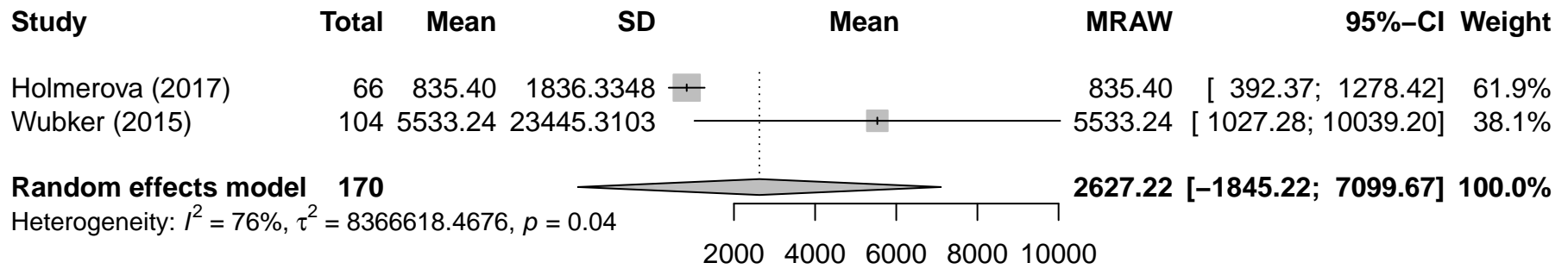
Eastern Europe & Baltics, All, Moderate, Outpatient care



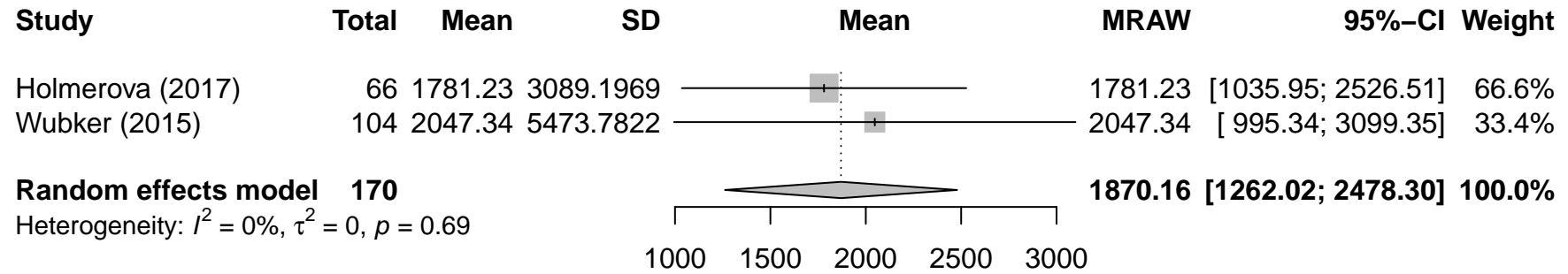
Eastern Europe & Baltics, All, Moderate, Pharmaceuticals



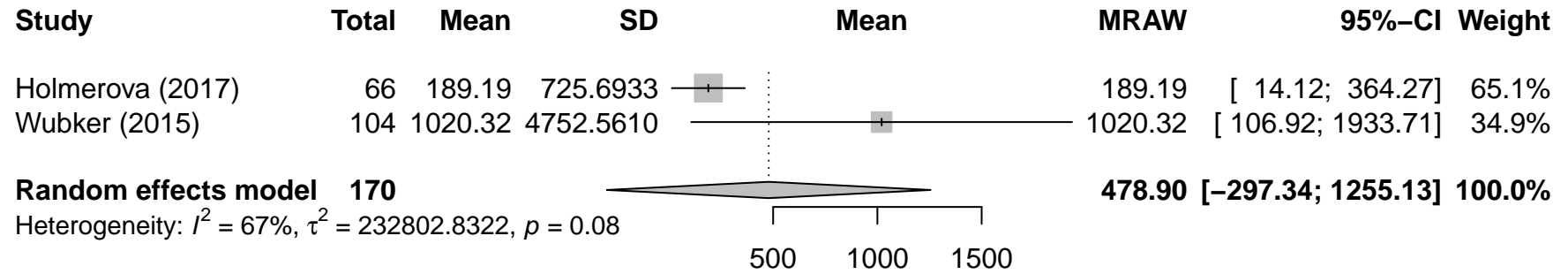
Eastern Europe & Baltics, All, Moderate, Institutional care



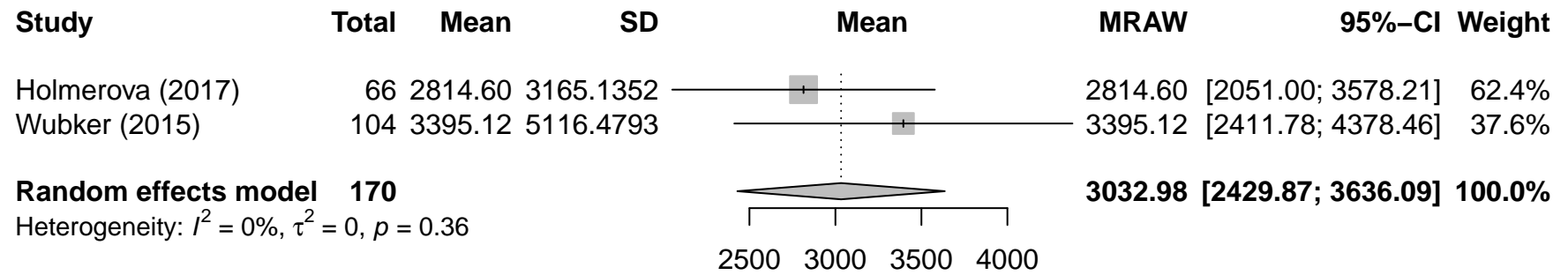
Eastern Europe & Baltics, All, Moderate, Community care



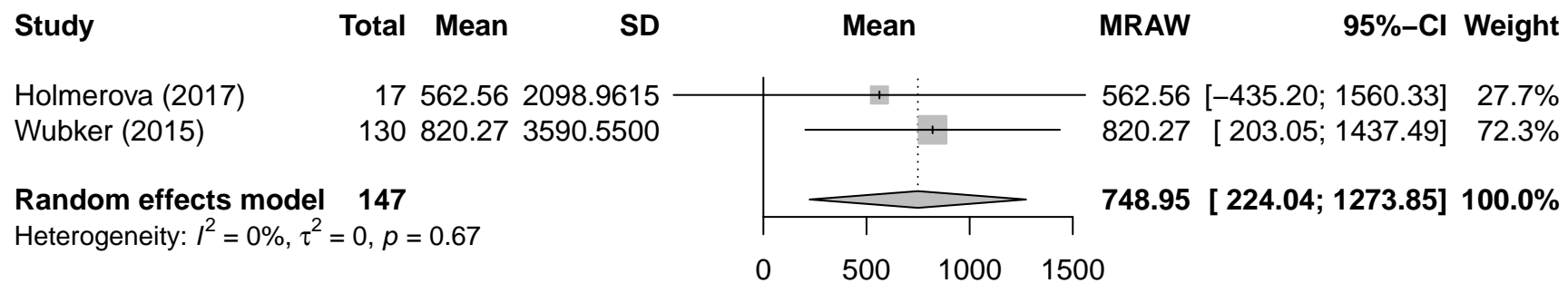
Eastern Europe & Baltics, All, Moderate, Caregiver work loss



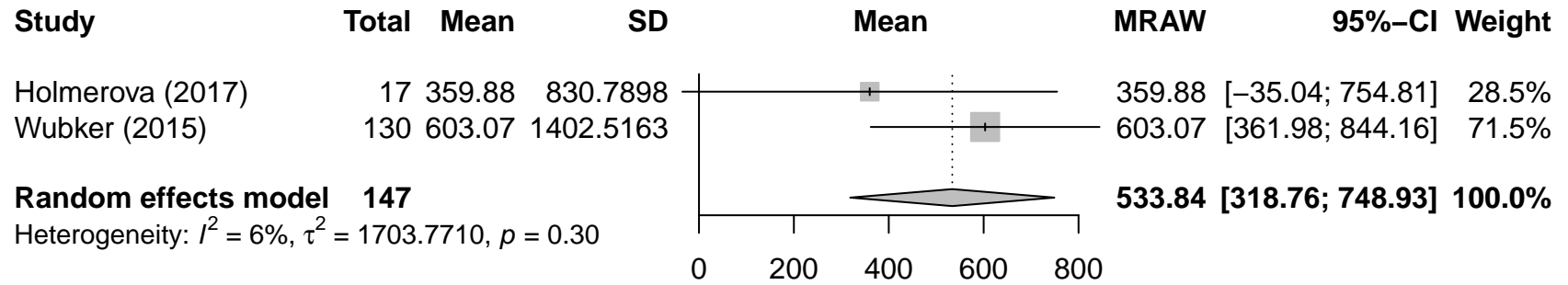
Eastern Europe & Baltics, All, Moderate, Caregiver time



Eastern Europe & Baltics, All, Severe, Inpatient care

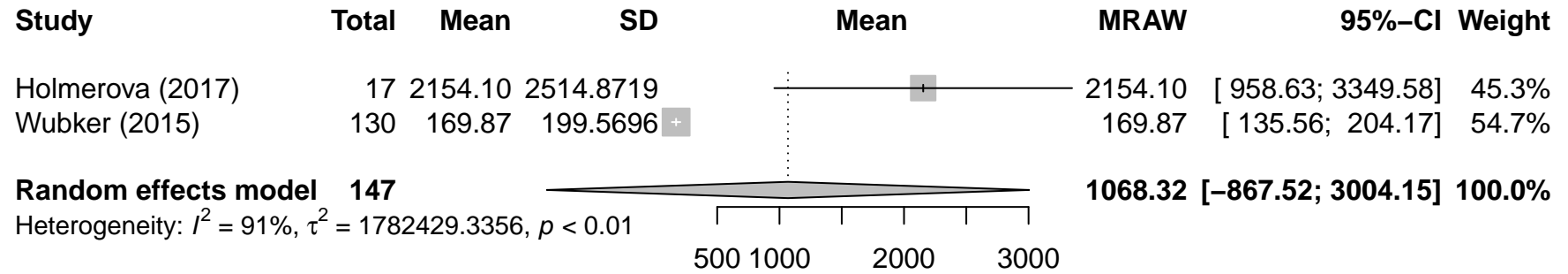


Eastern Europe & Baltics, All, Severe, Outpatient care

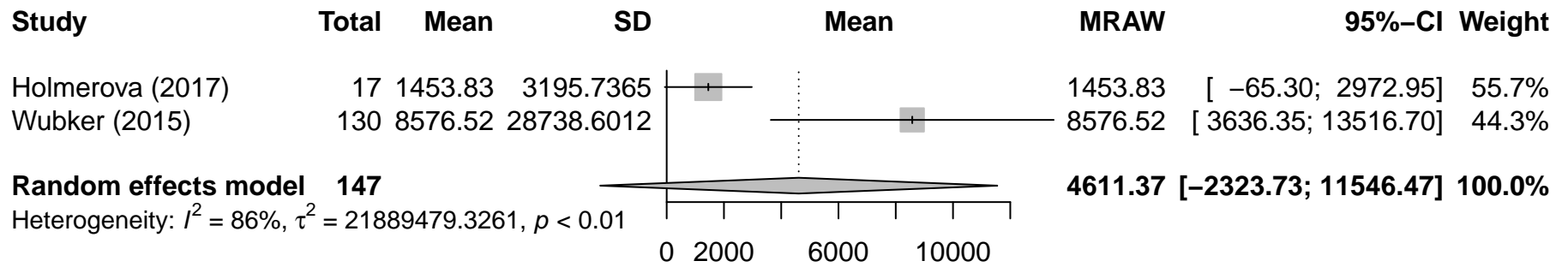




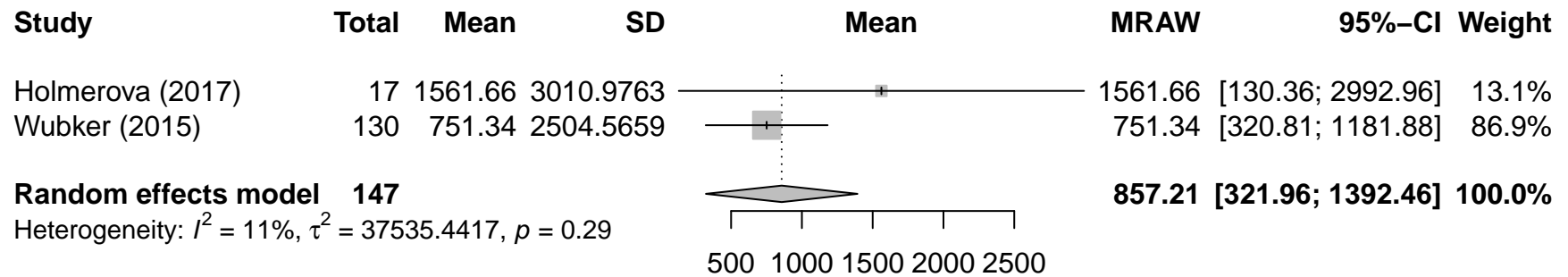
Eastern Europe & Baltics, All, Severe, Pharmaceuticals



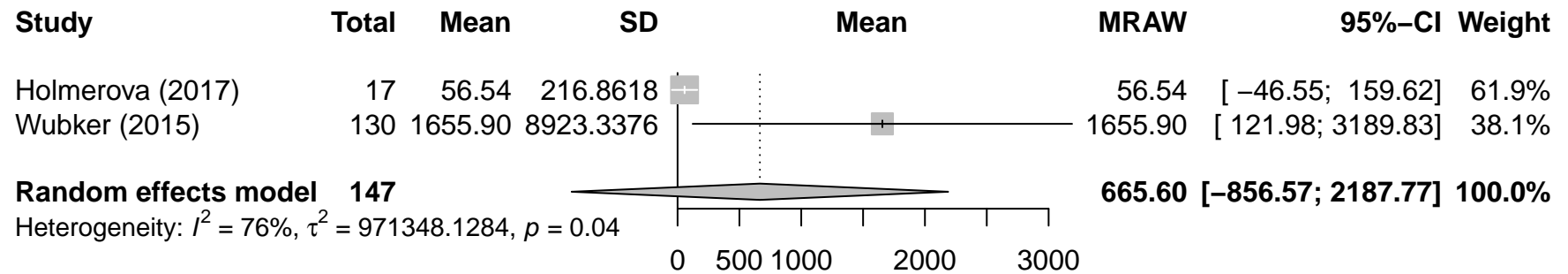
Eastern Europe & Baltics, All, Severe, Institutional care



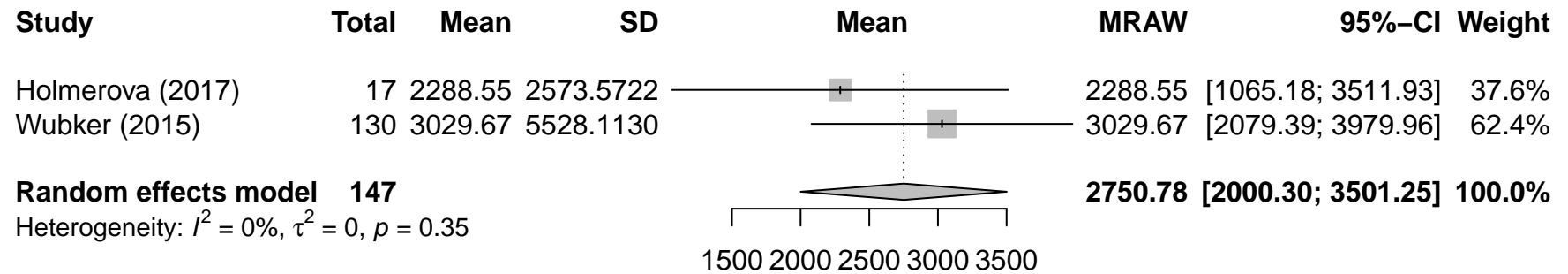
Eastern Europe & Baltics, All, Severe, Community care



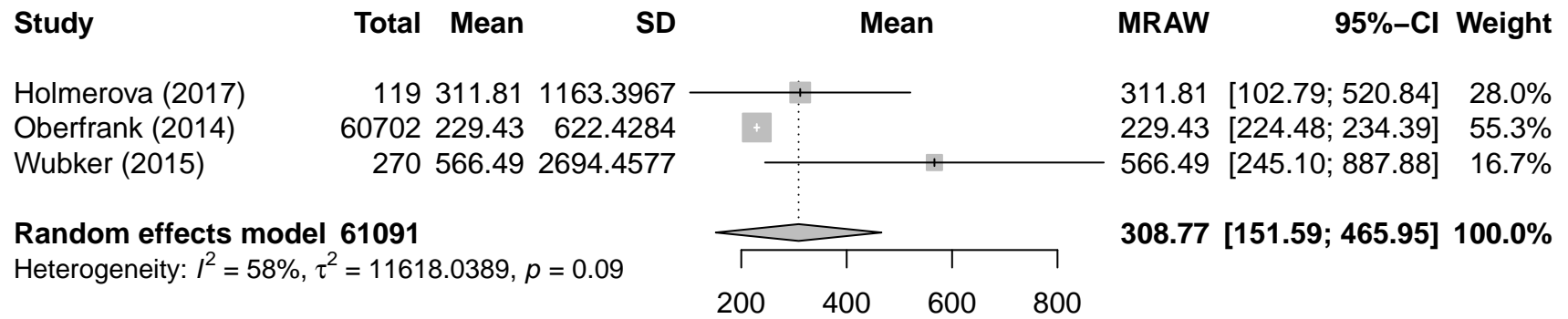
Eastern Europe & Baltics, All, Severe, Caregiver work loss



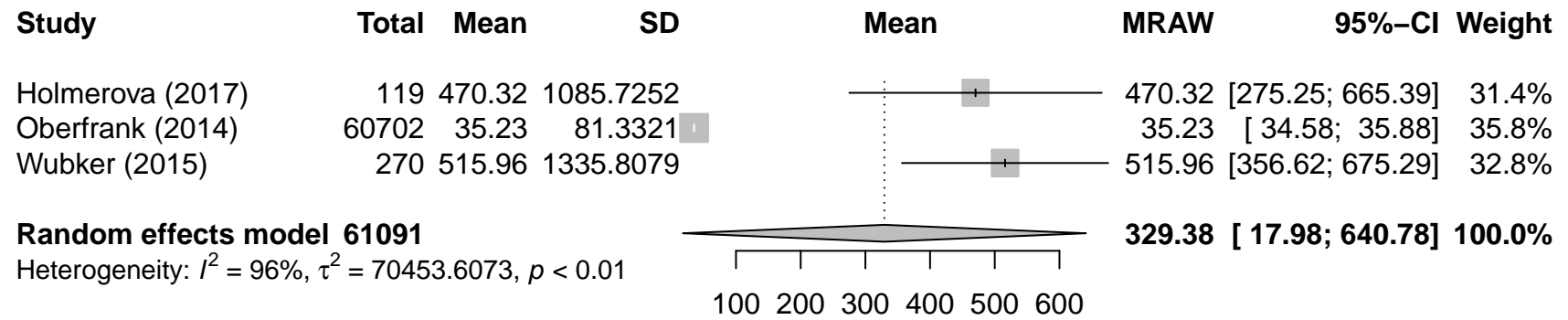
Eastern Europe & Baltics, All, Severe, Caregiver time



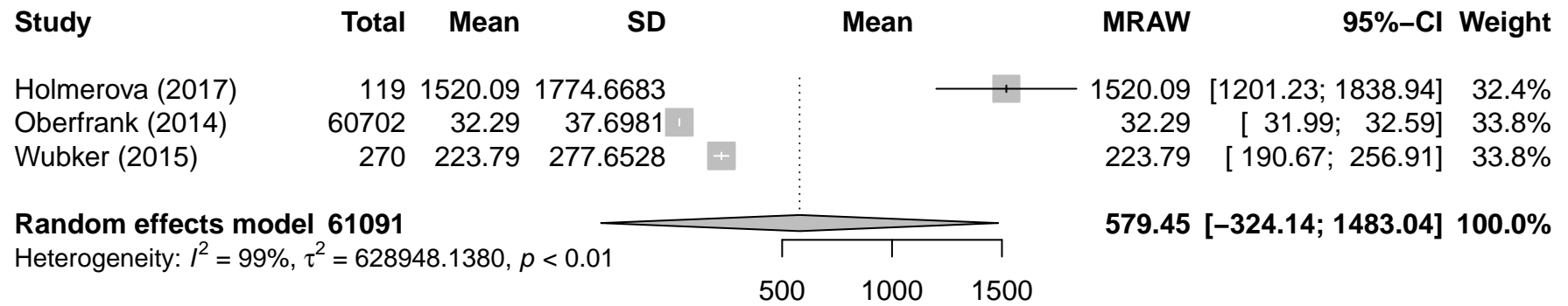
Eastern Europe & Baltics, All, All, Inpatient care



Eastern Europe & Baltics, All, All, Outpatient care

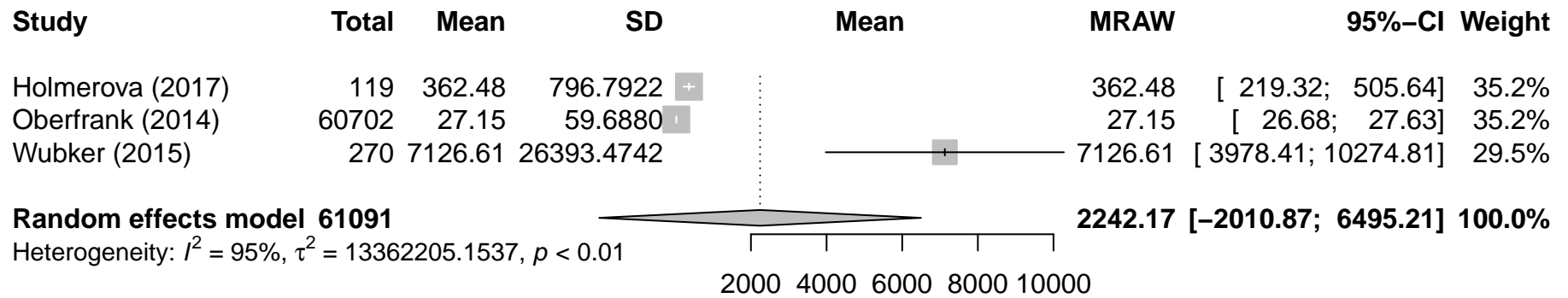


Eastern Europe & Baltics, All, All, Pharmaceuticals

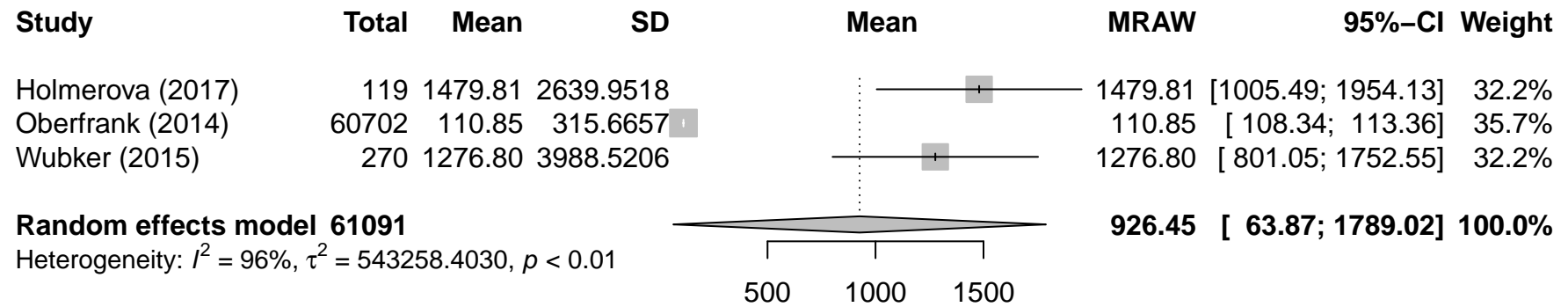




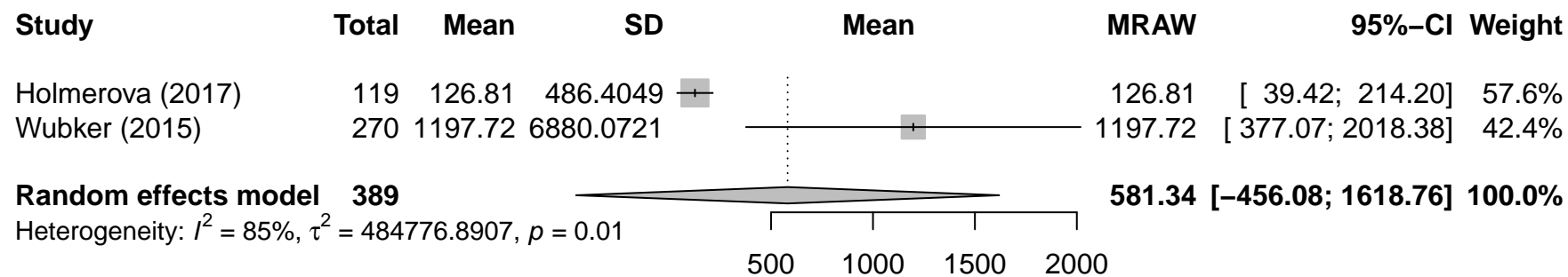
Eastern Europe & Baltics, All, All, Institutional care



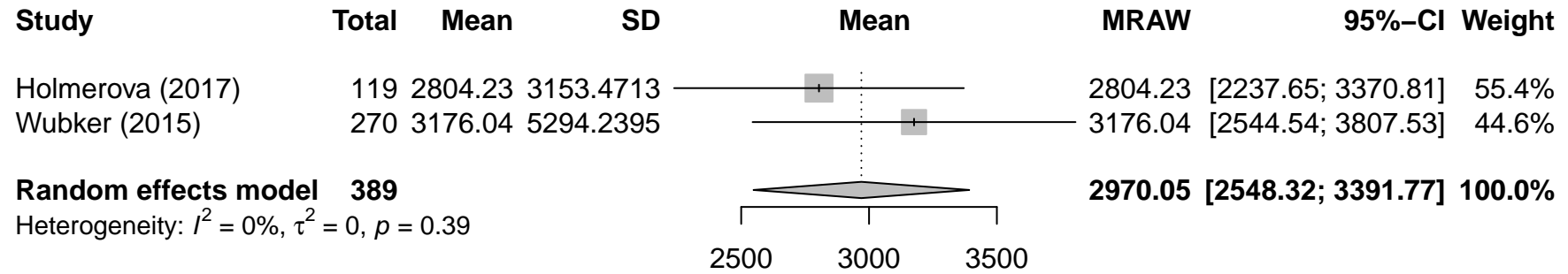
Eastern Europe & Baltics, All, All, Community care



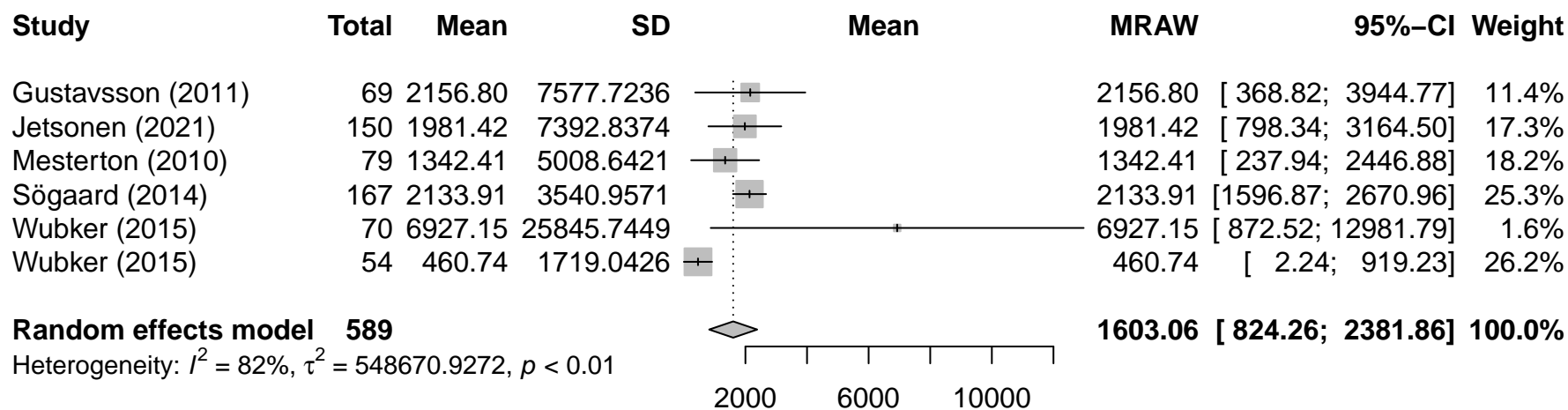
Eastern Europe & Baltics, All, All, Caregiver work loss



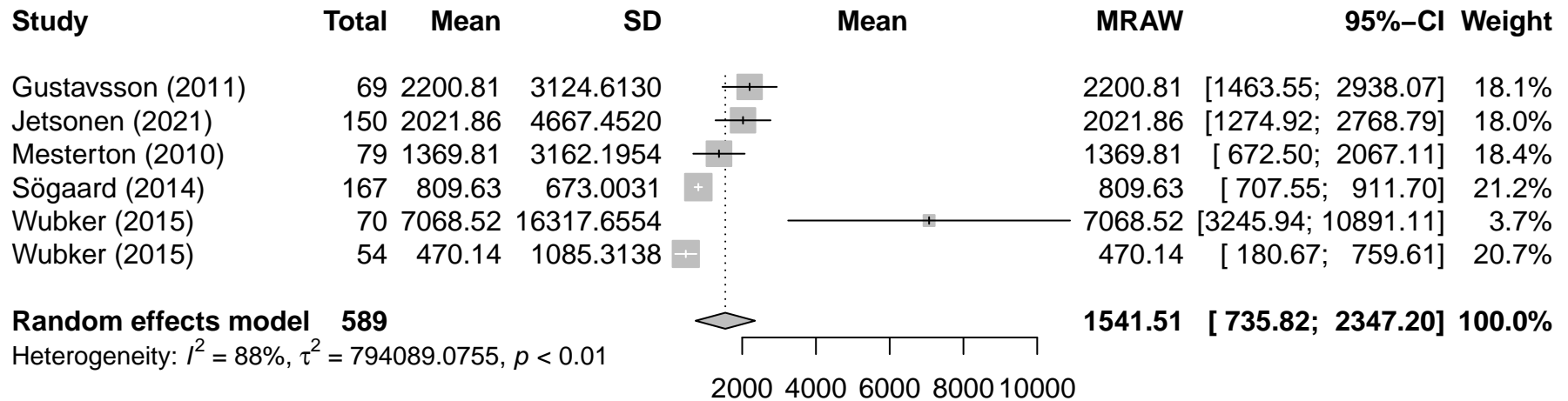
Eastern Europe & Baltics, All, All, Caregiver time



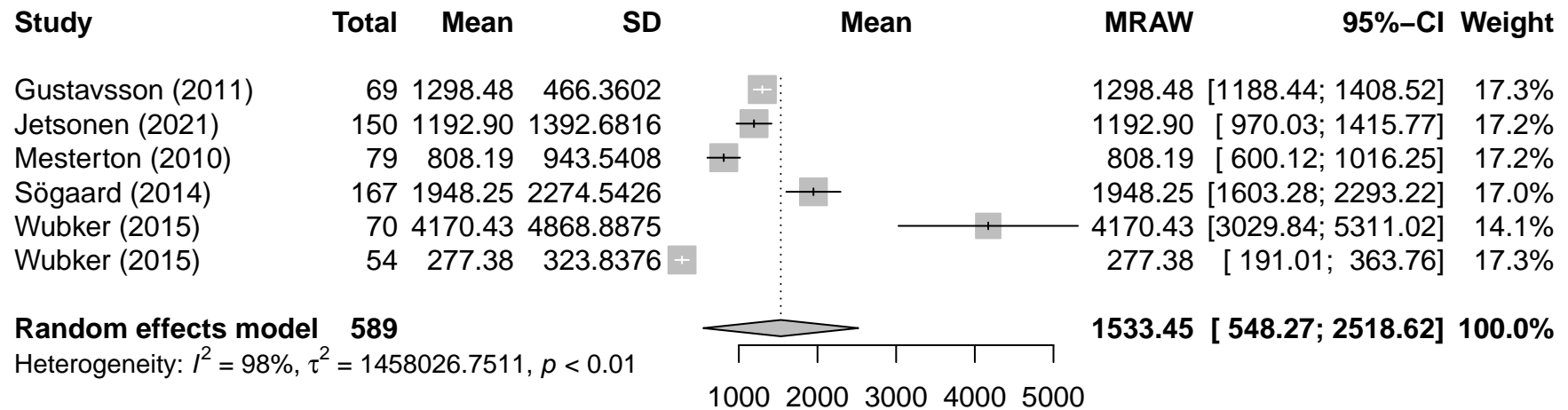
Nordics, Community, Mild, Inpatient care



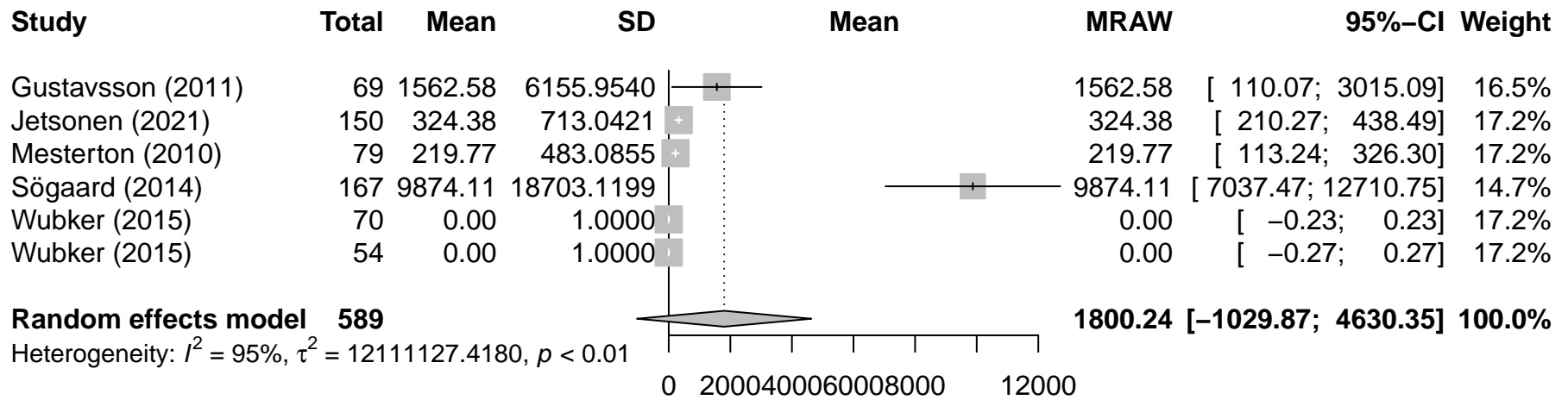
Nordics, Community, Mild, Outpatient care



Nordics, Community, Mild, Pharmaceuticals

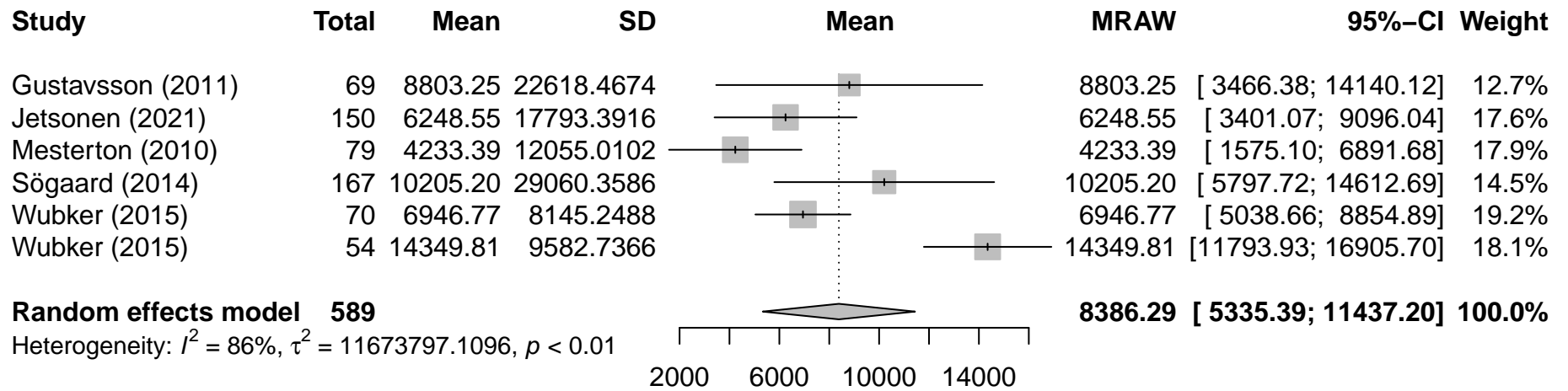


Nordics, Community, Mild, Institutional care

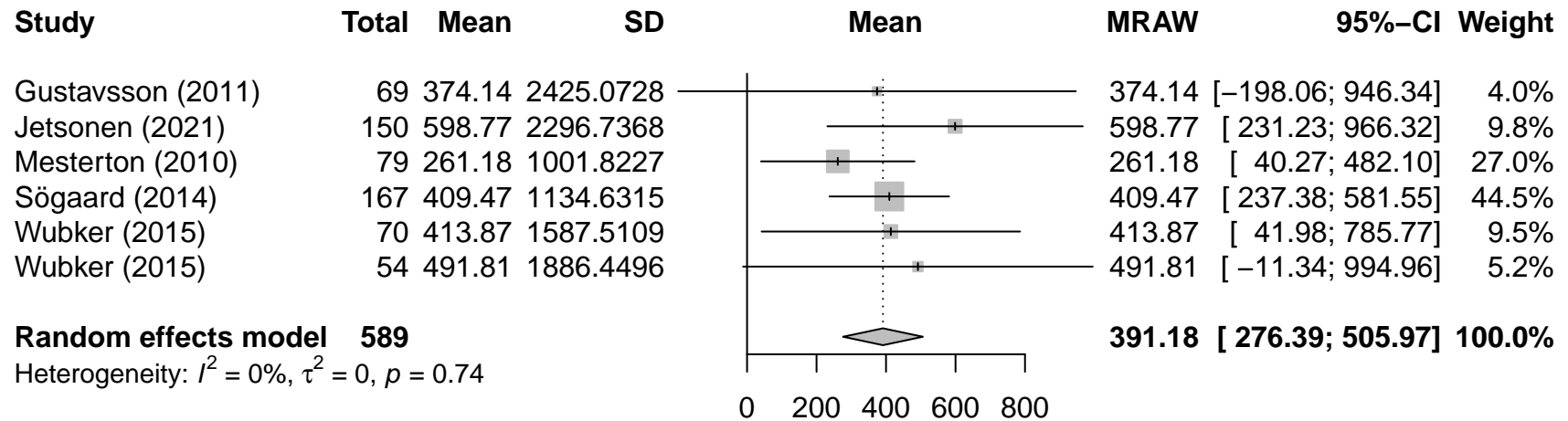




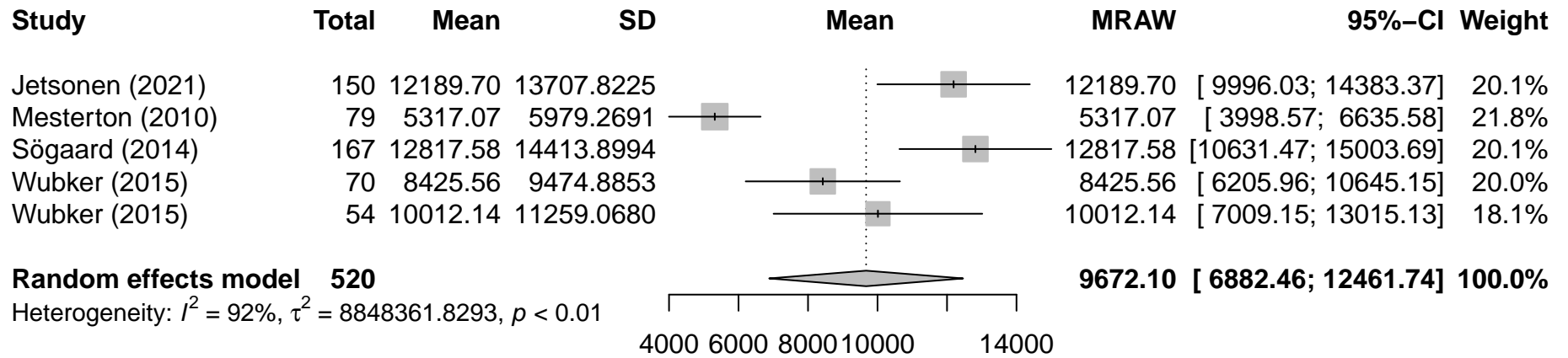
Nordics, Community, Mild, Community care



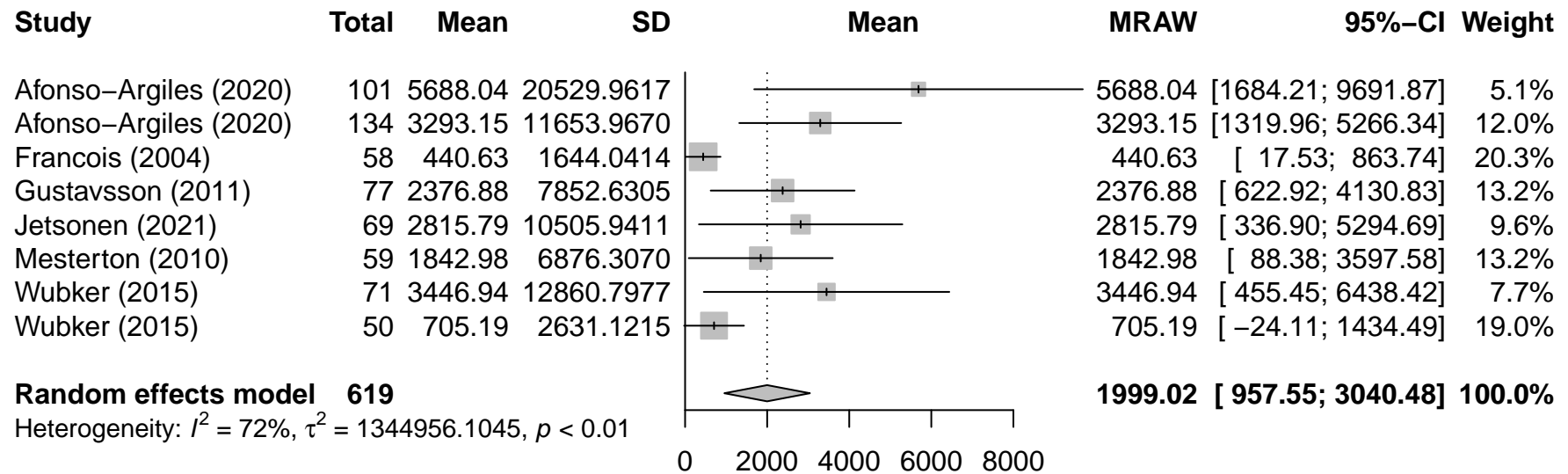
Nordics, Community, Mild, Caregiver work loss



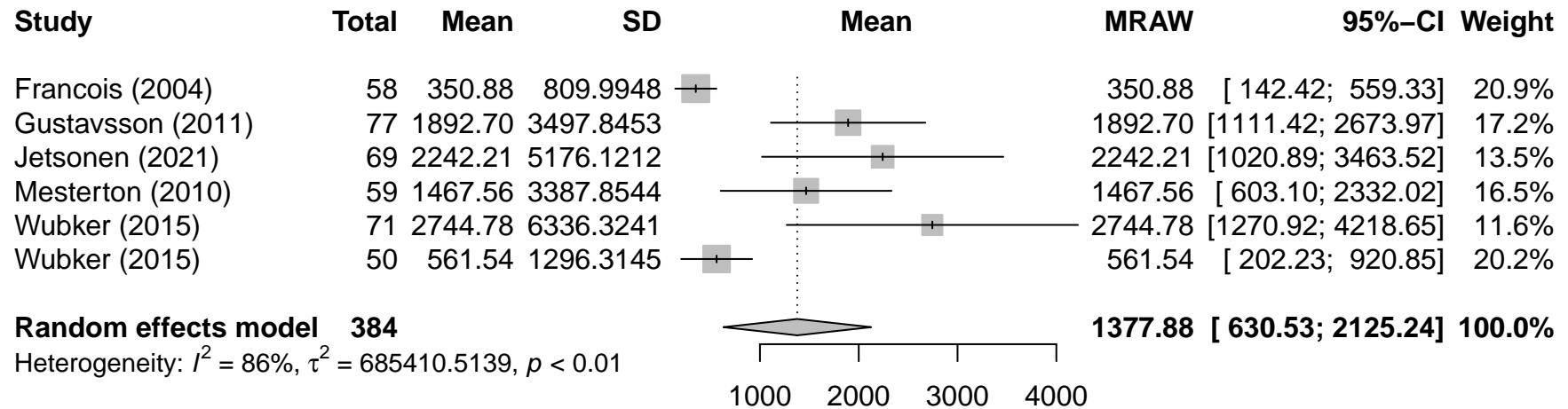
Nordics, Community, Mild, Caregiver time



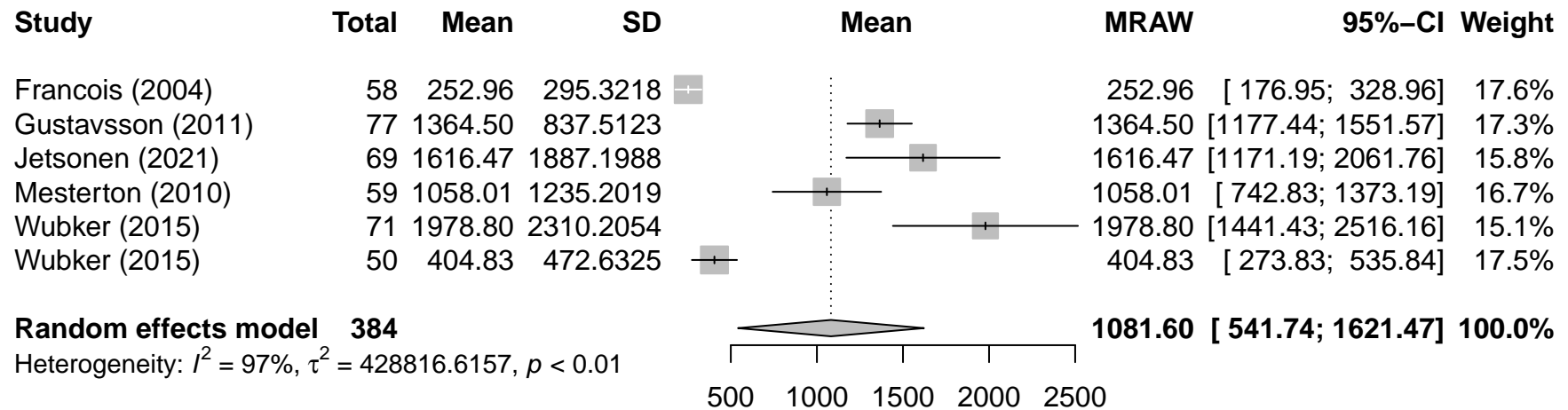
Nordics, Community, Moderate, Inpatient care



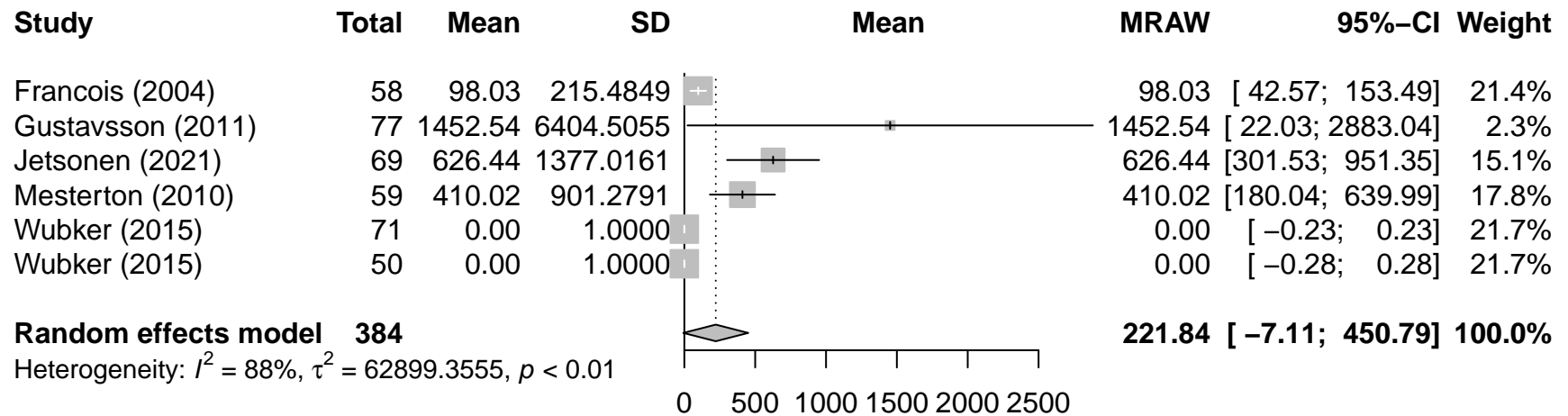
Nordics, Community, Moderate, Outpatient care



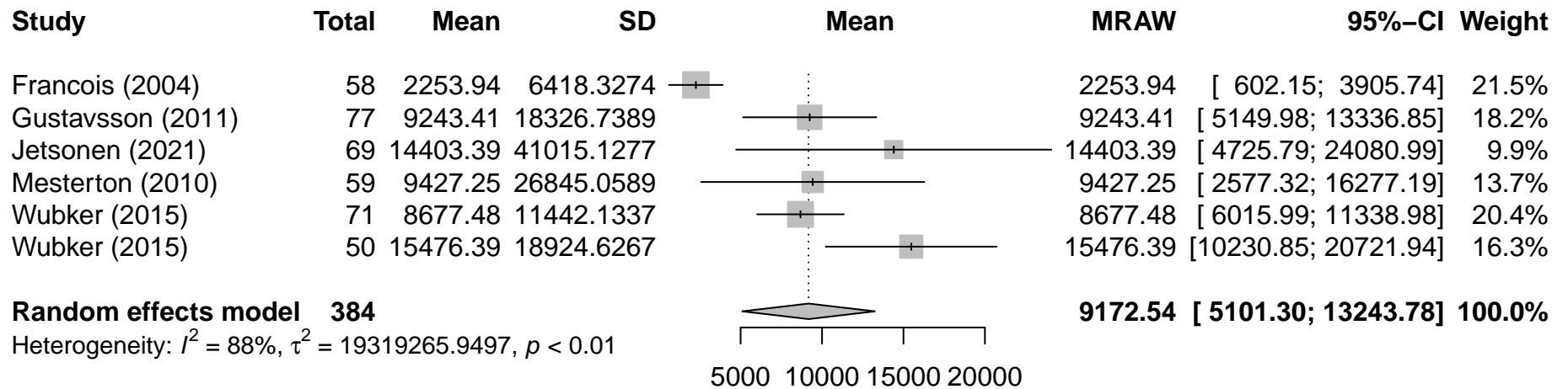
Nordics, Community, Moderate, Pharmaceuticals



Nordics, Community, Moderate, Institutional care

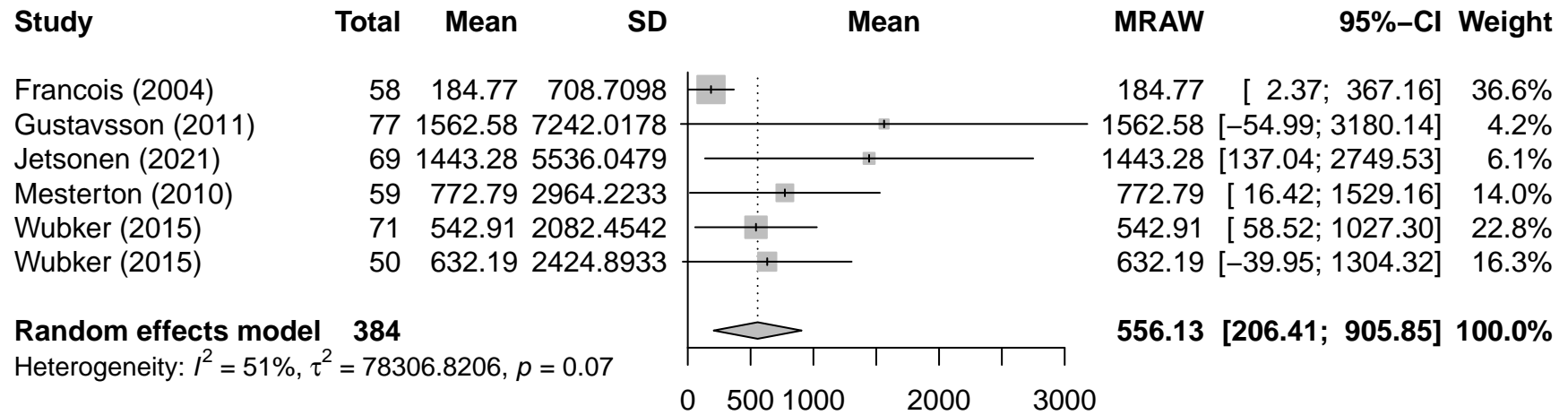


Nordics, Community, Moderate, Community care

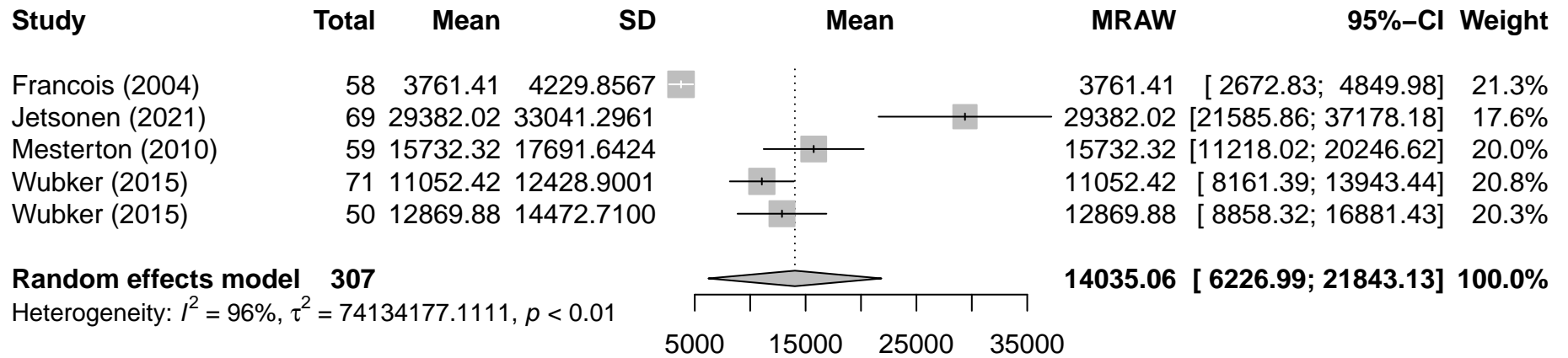




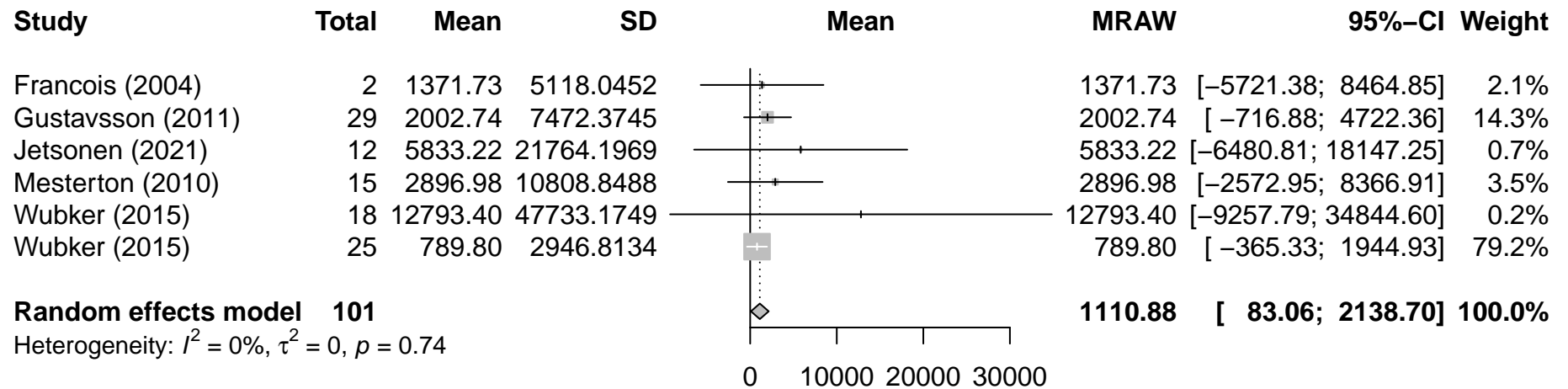
Nordics, Community, Moderate, Caregiver work loss



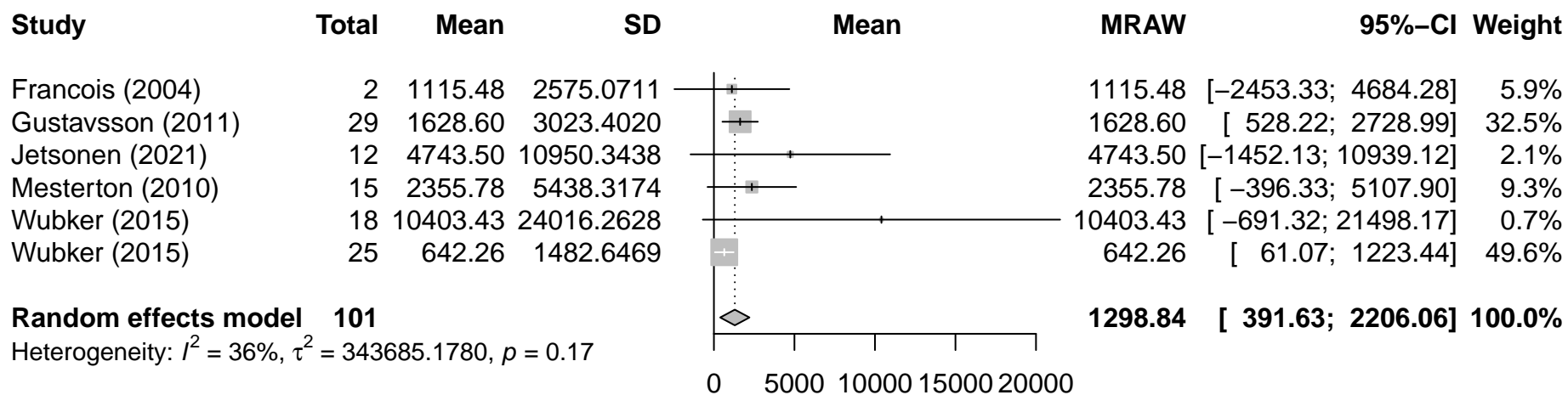
Nordics, Community, Moderate, Caregiver time



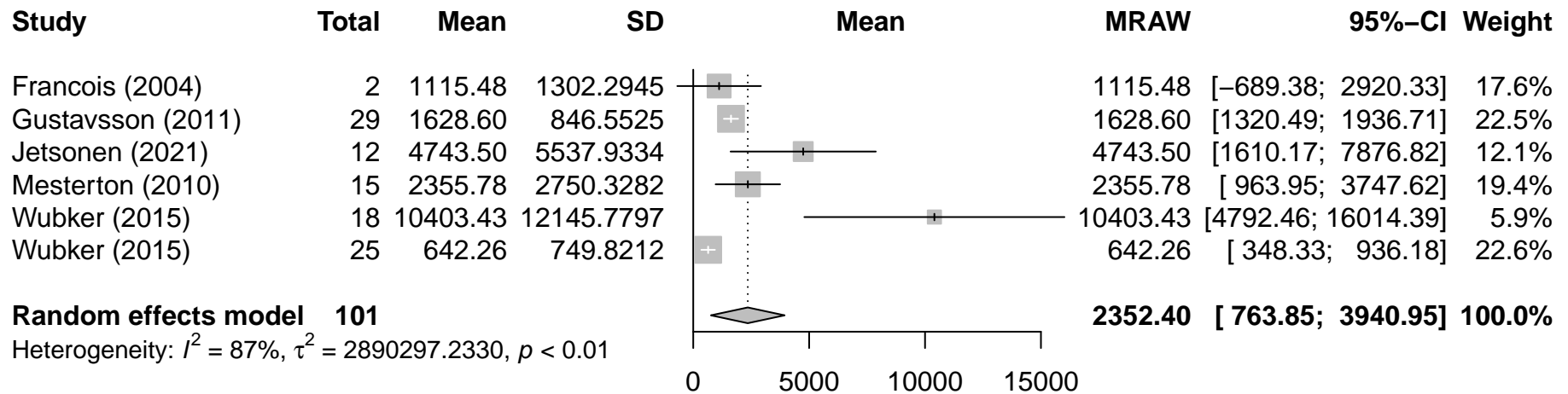
Nordics, Community, Severe, Inpatient care



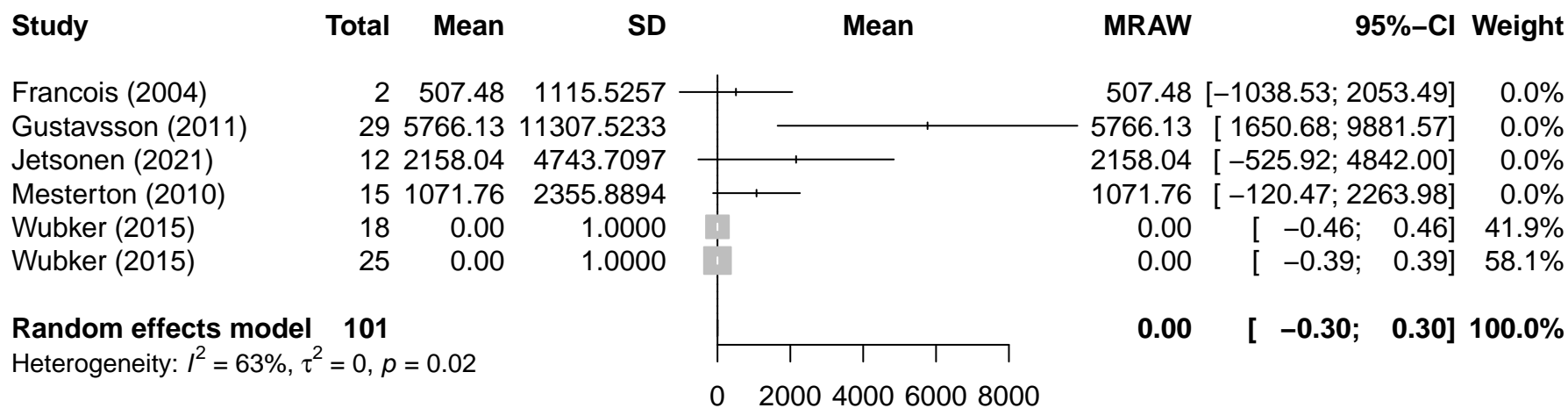
Nordics, Community, Severe, Outpatient care



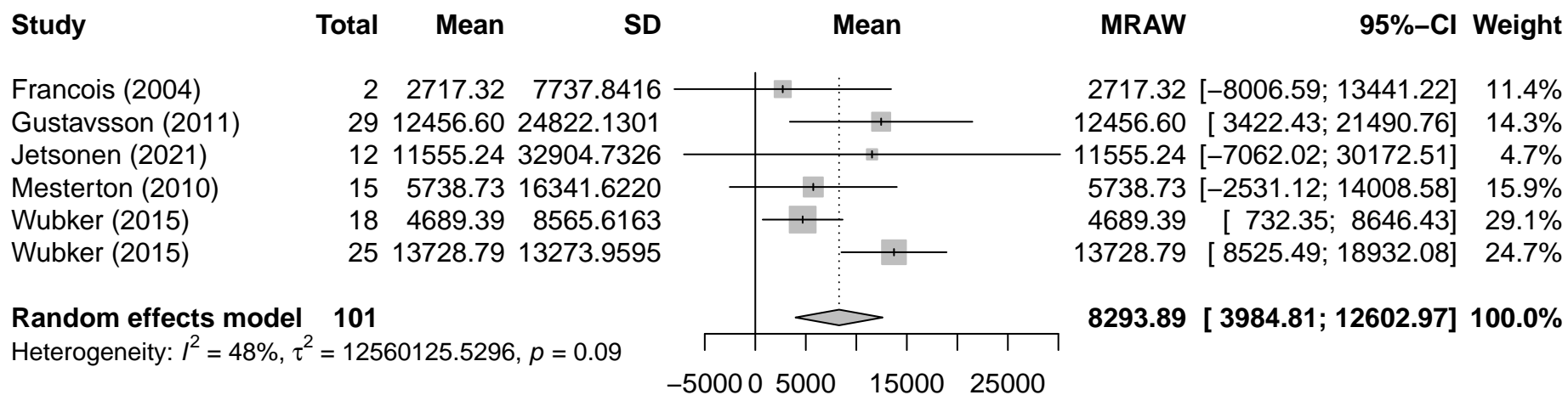
Nordics, Community, Severe, Pharmaceuticals



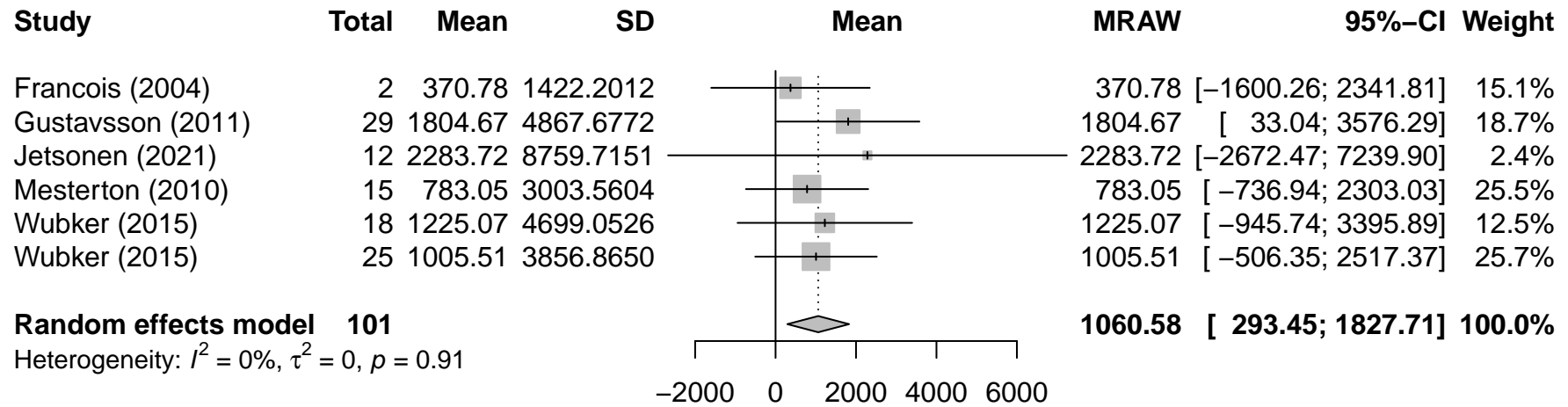
Nordics, Community, Severe, Institutional care



Nordics, Community, Severe, Community care

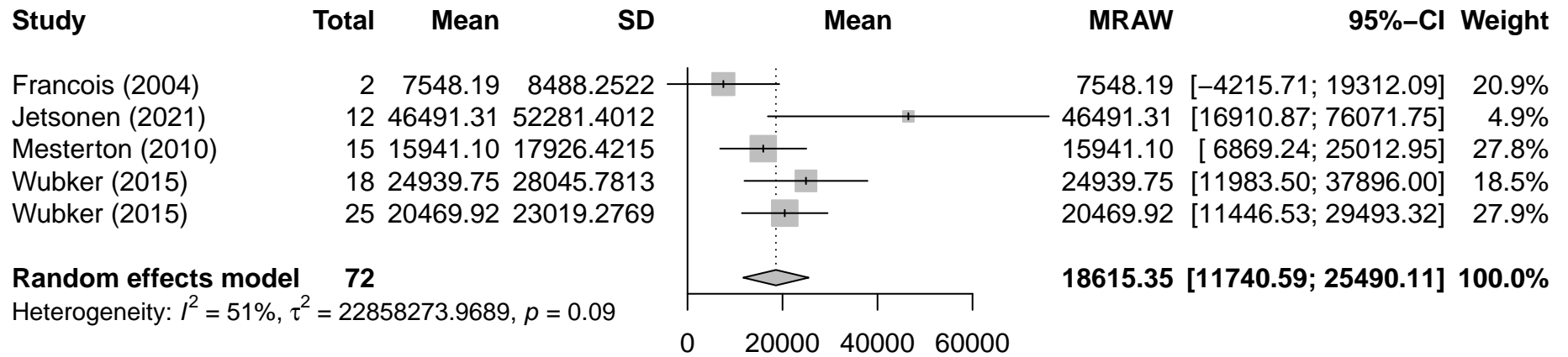


Nordics, Community, Severe, Caregiver work loss

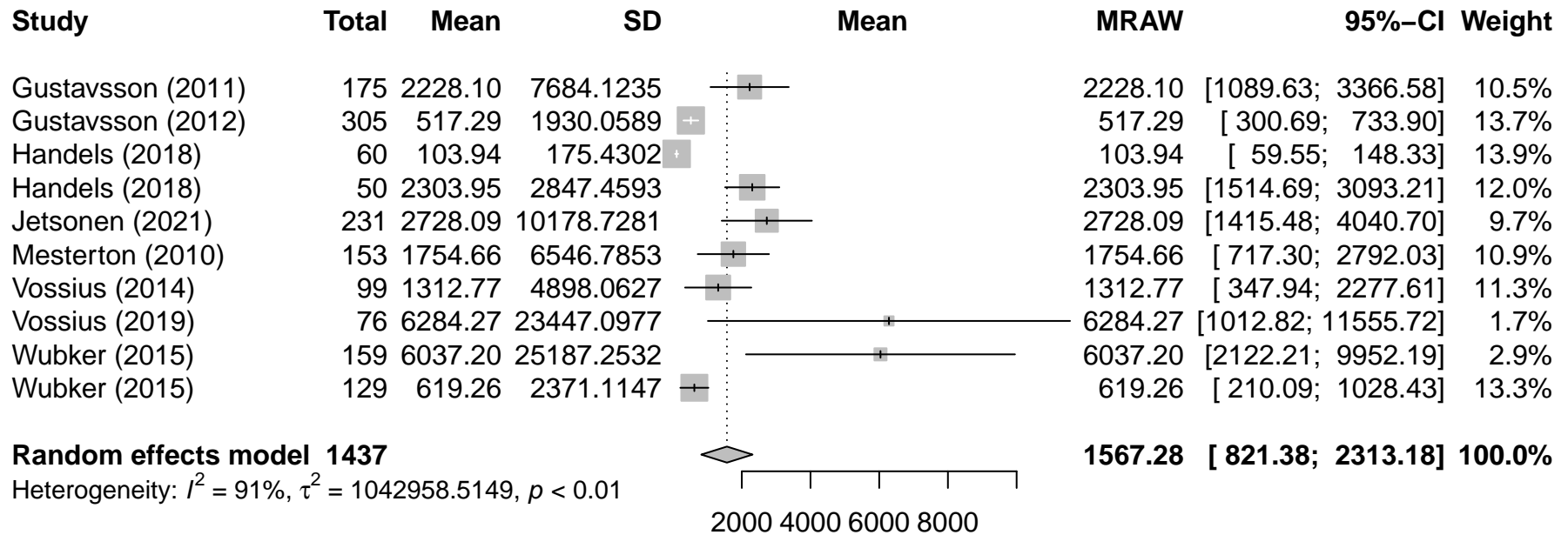




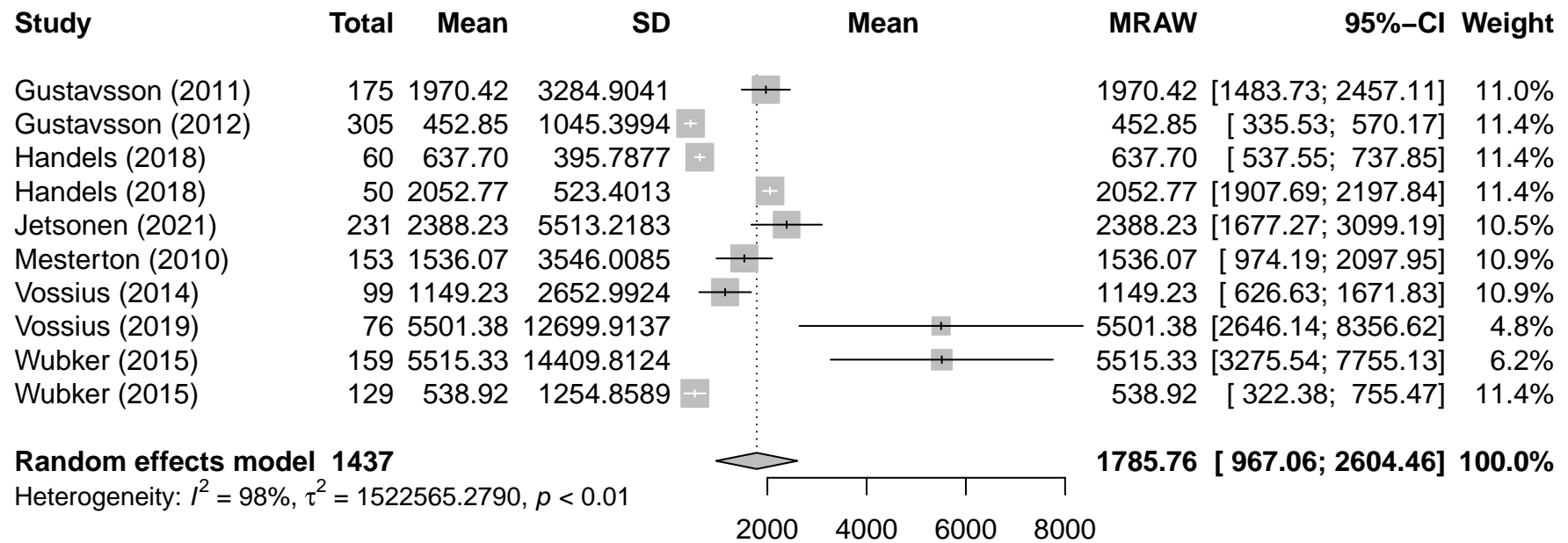
Nordics, Community, Severe, Caregiver time



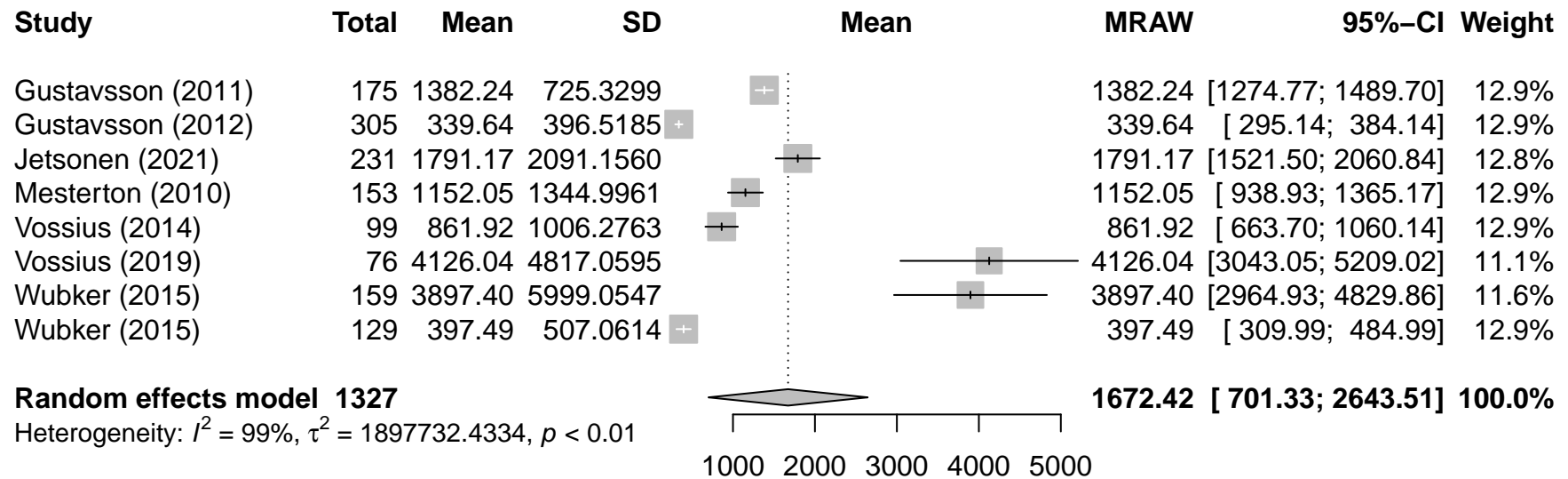
Nordics, Community, All, Inpatient care



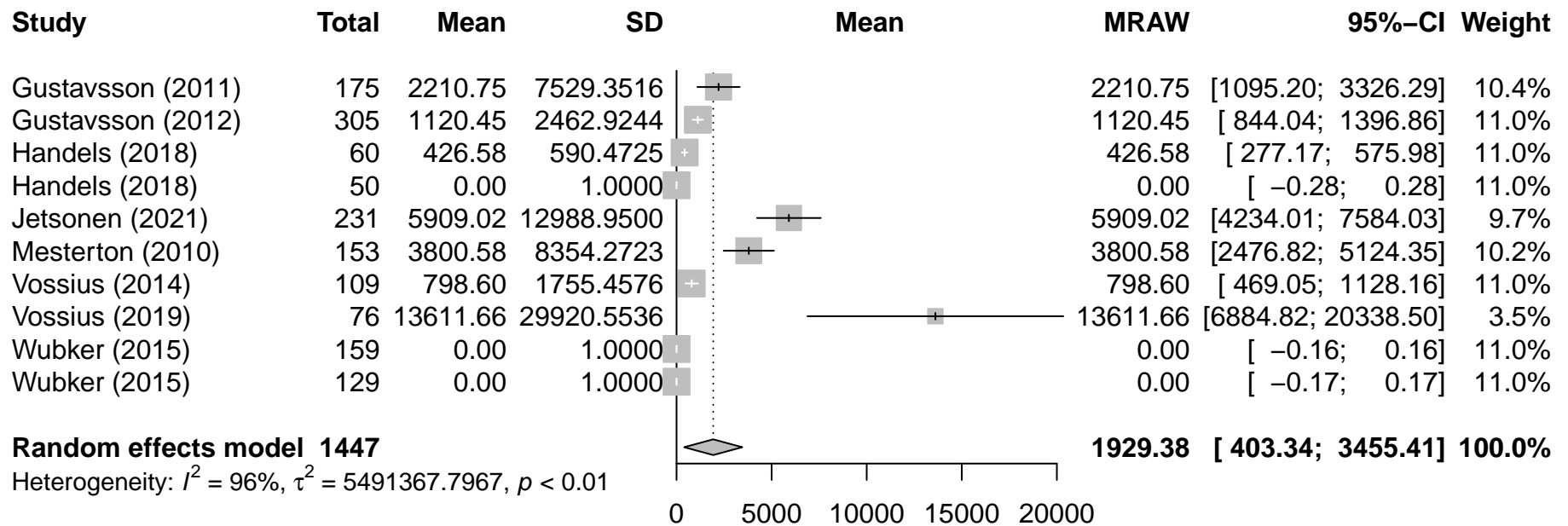
Nordics, Community, All, Outpatient care



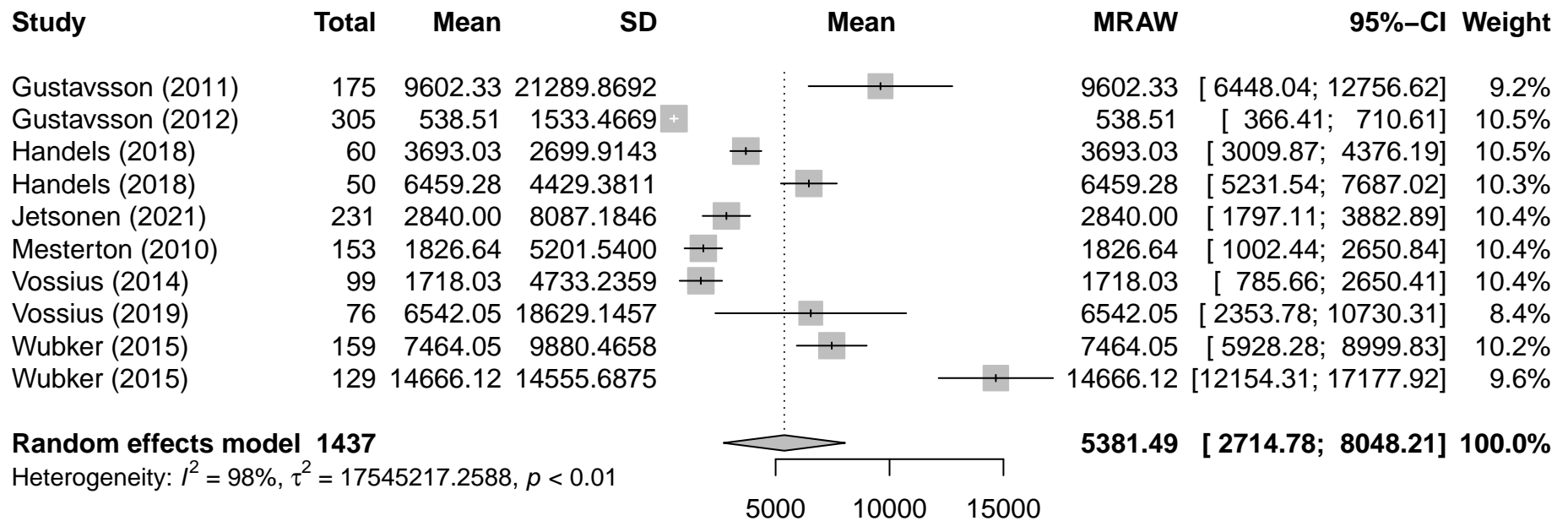
Nordics, Community, All, Pharmaceuticals



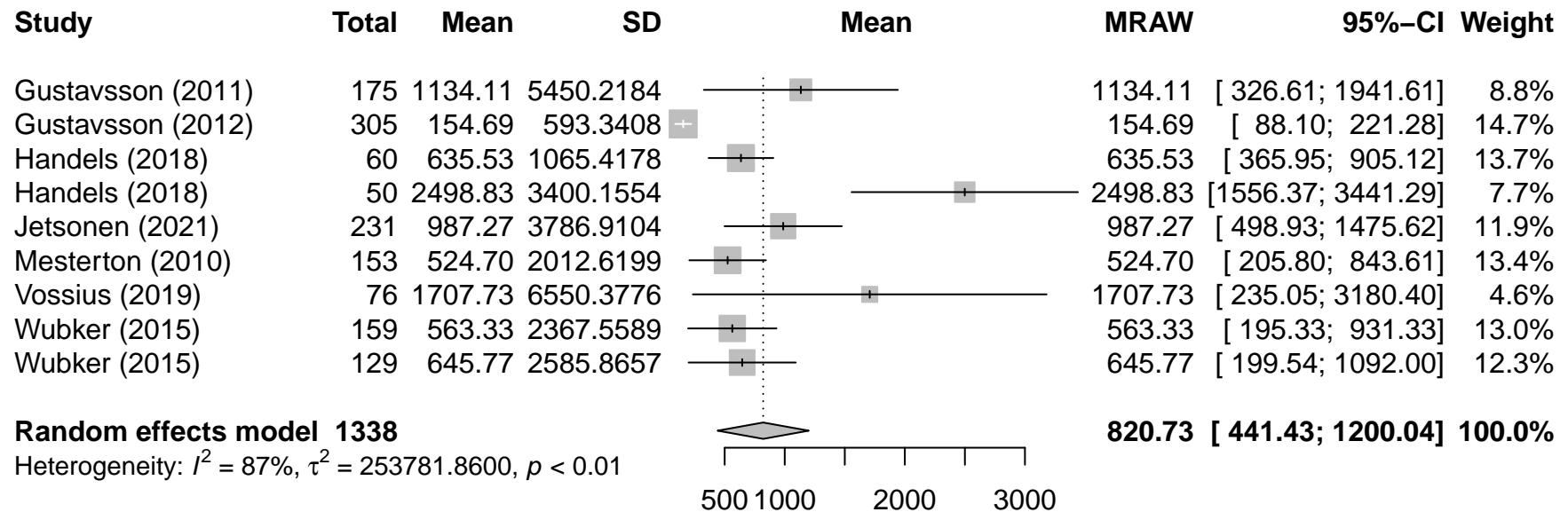
Nordics, Community, All, Institutional care



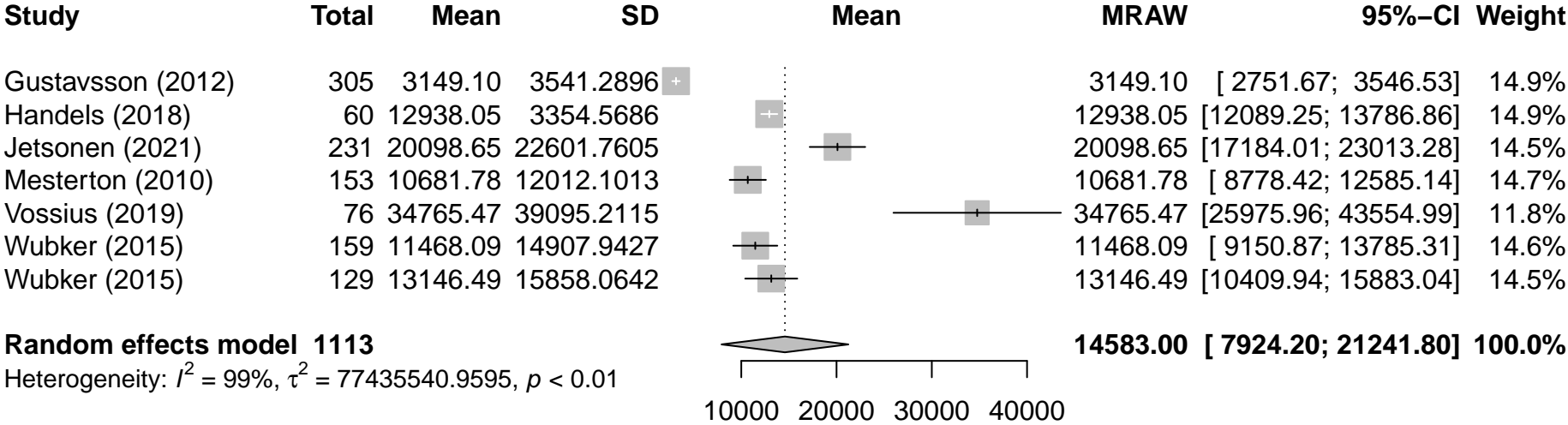
Nordics, Community, All, Community care



Nordics, Community, All, Caregiver work loss

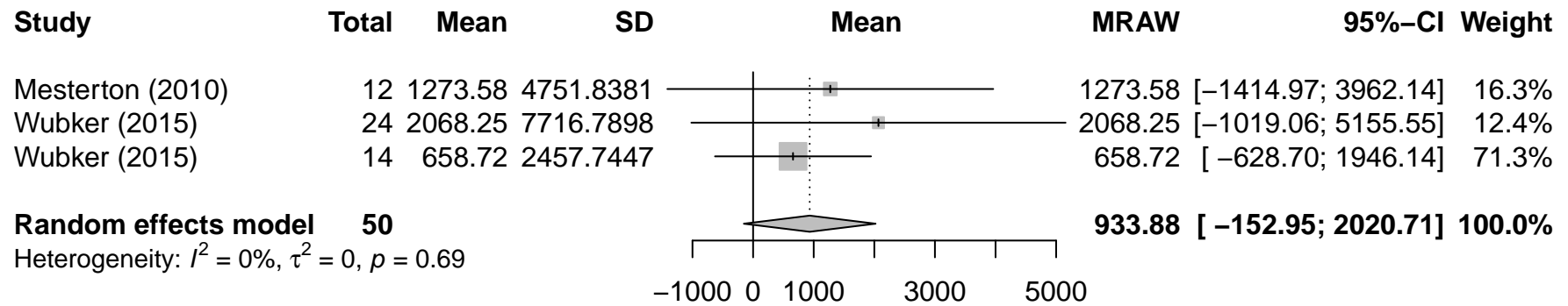


Nordics, Community, All, Caregiver time

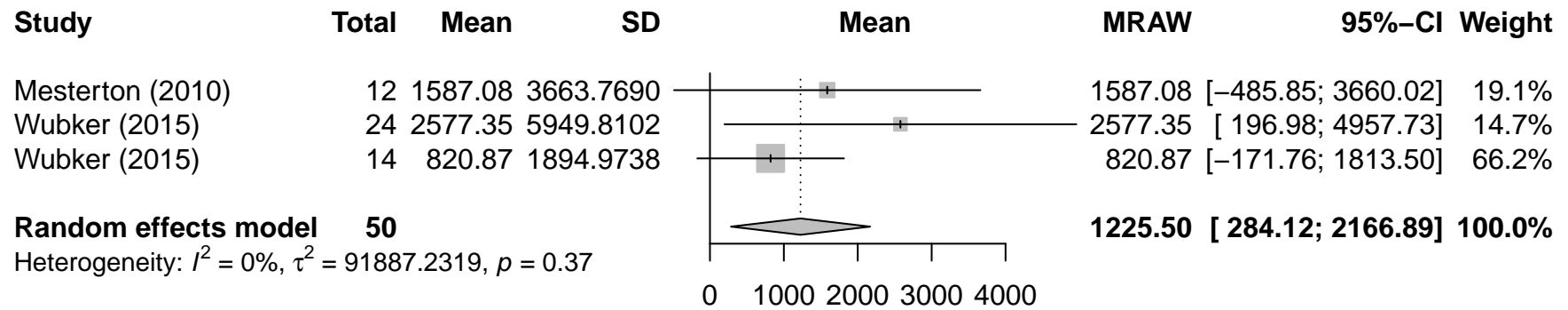




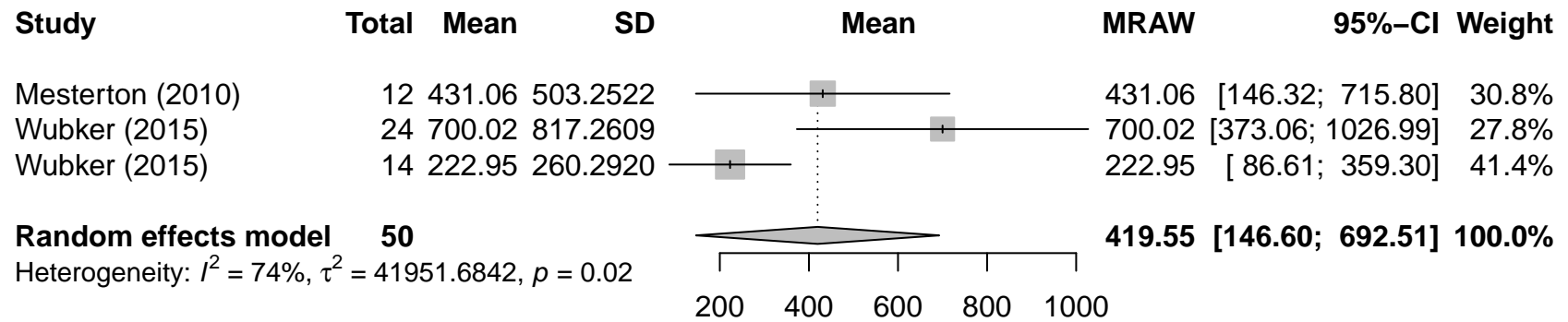
Nordics, Institution, Mild, Inpatient care



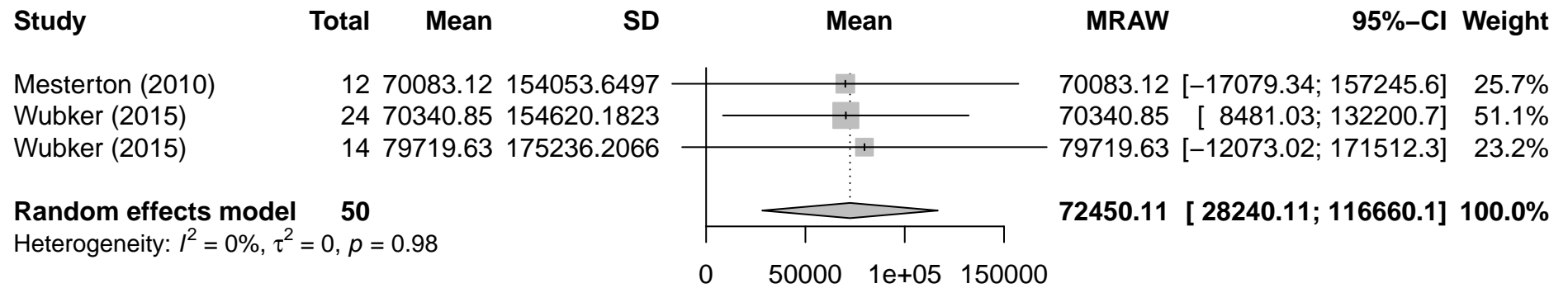
Nordics, Institution, Mild, Outpatient care



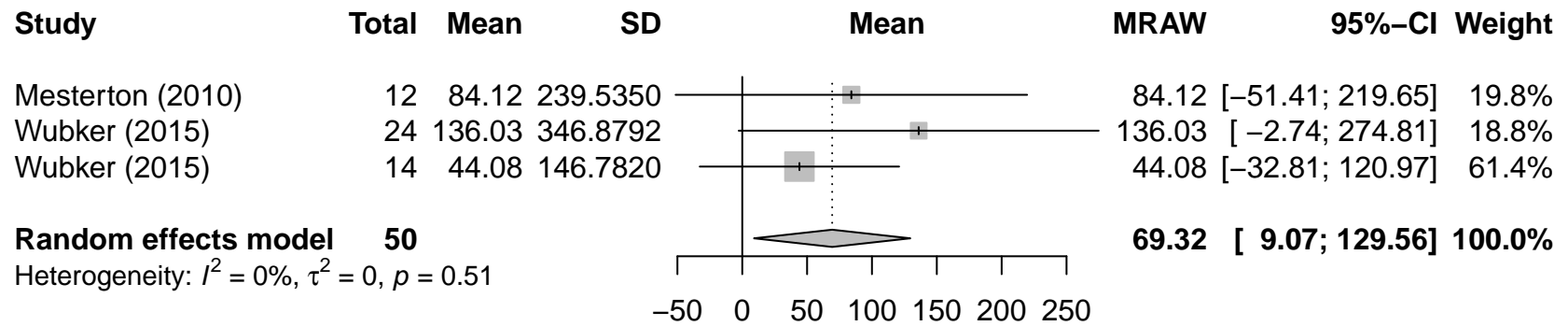
Nordics, Institution, Mild, Pharmaceuticals



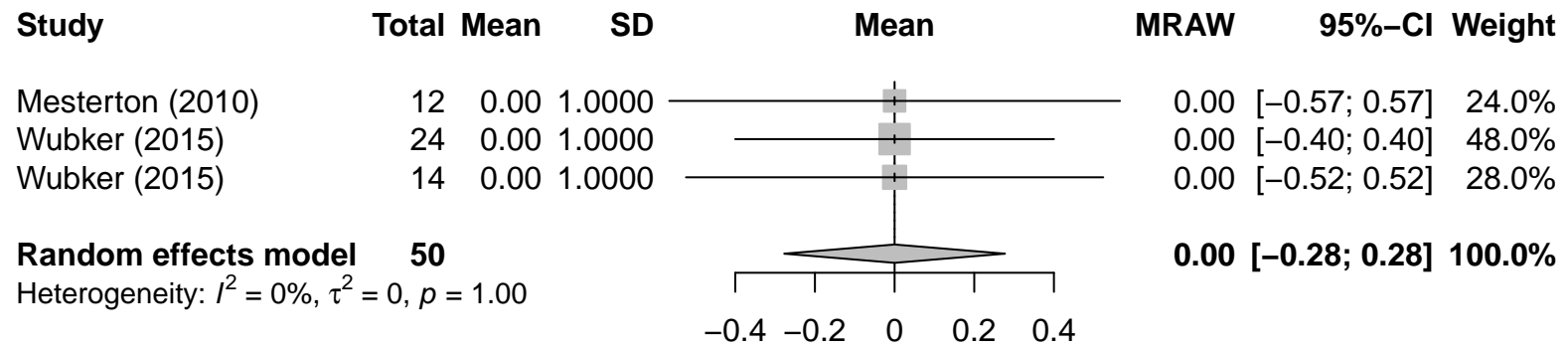
Nordics, Institution, Mild, Institutional care



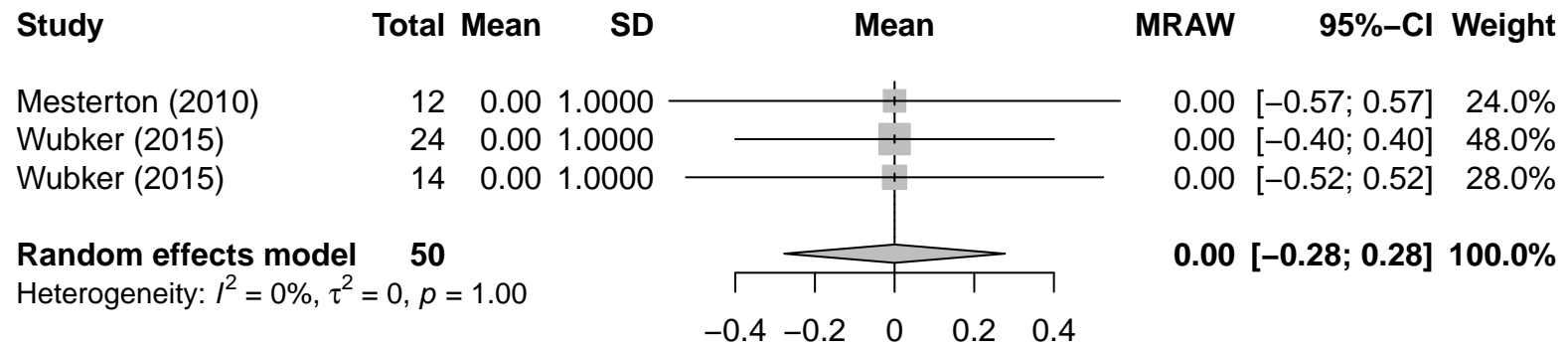
Nordics, Institution, Mild, Community care



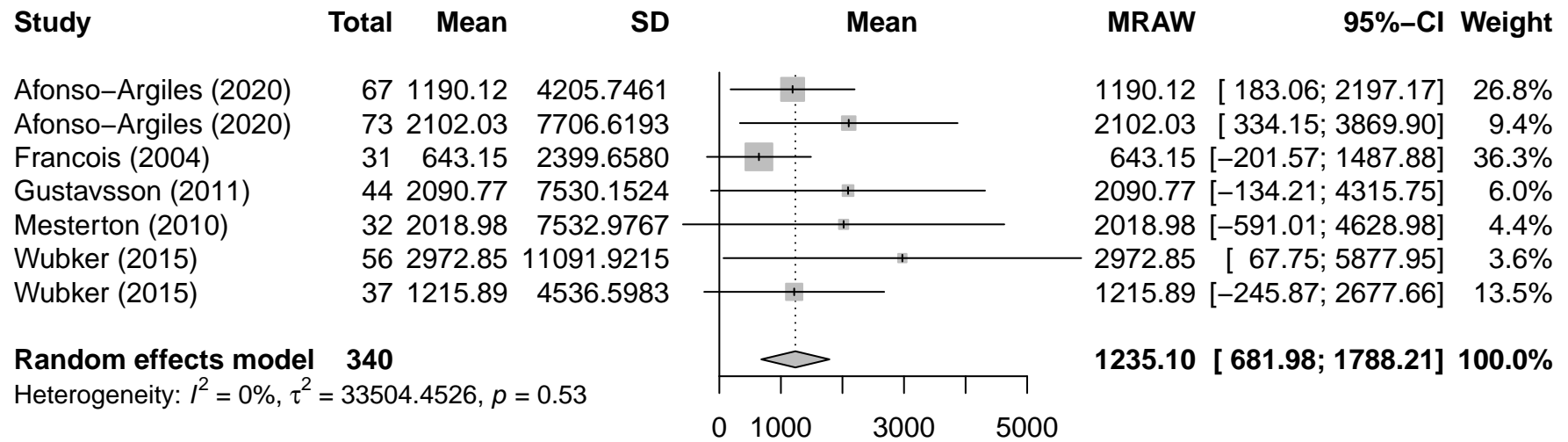
Nordics, Institution, Mild, Caregiver work loss



Nordics, Institution, Mild, Caregiver time

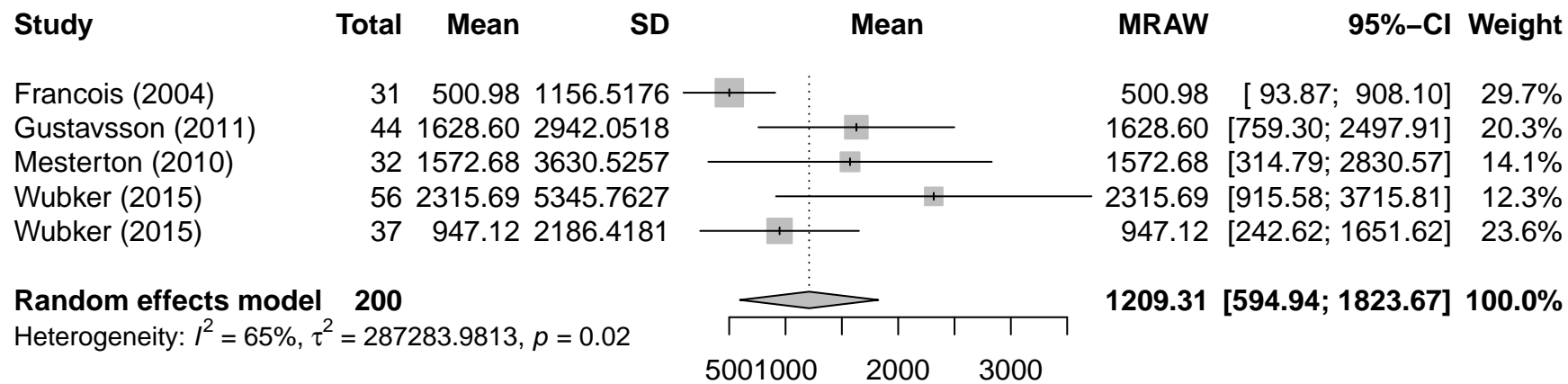


Nordics, Institution, Moderate, Inpatient care

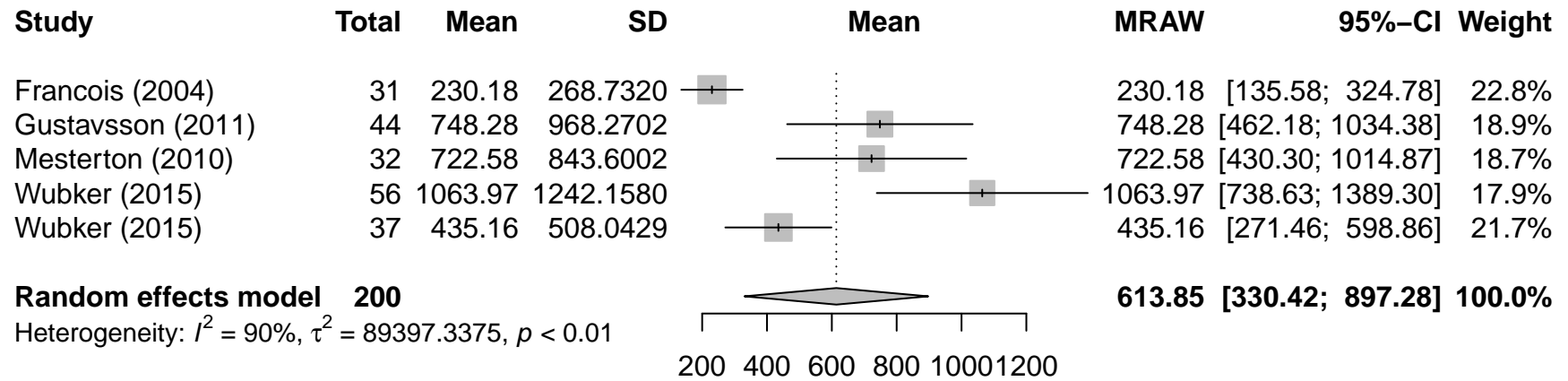




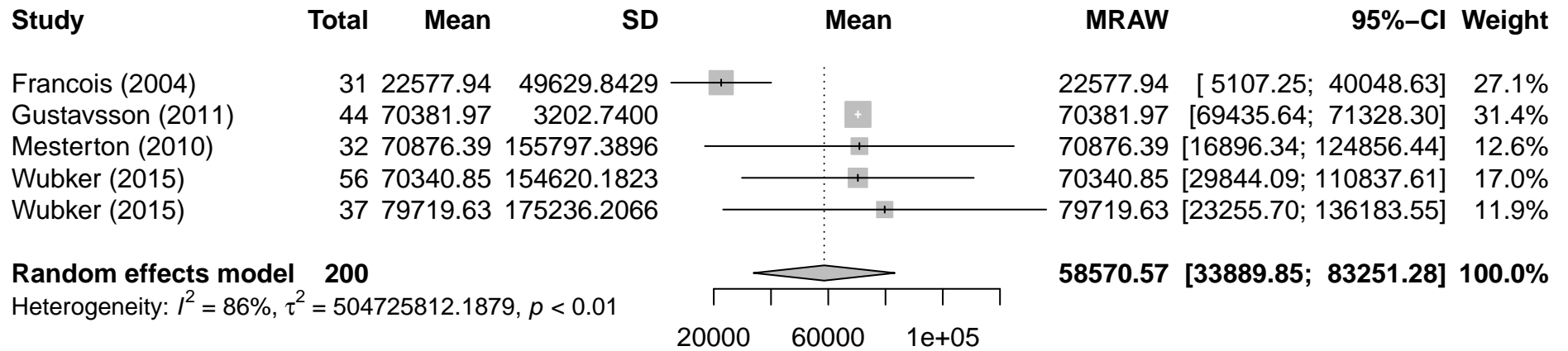
Nordics, Institution, Moderate, Outpatient care



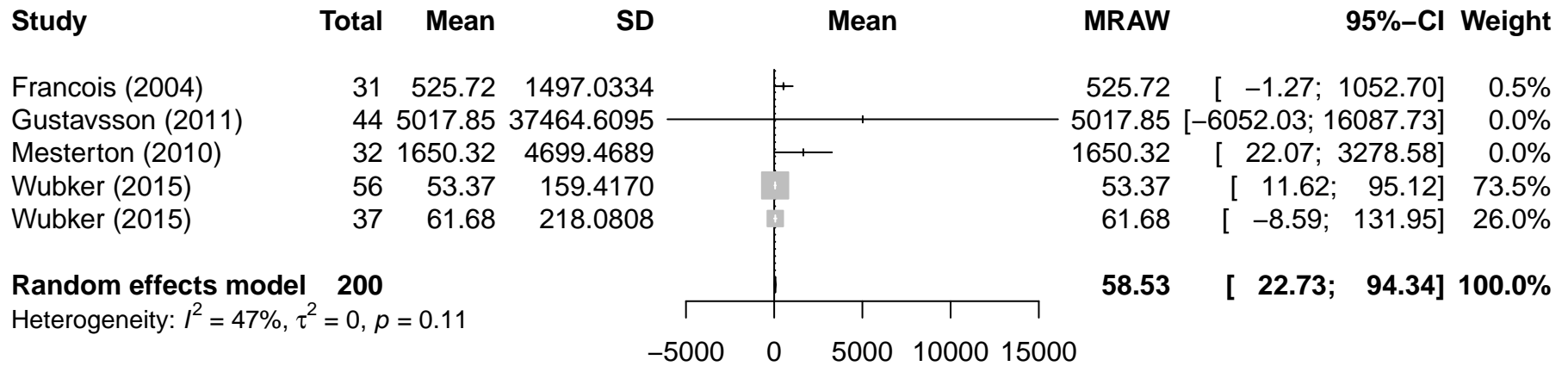
Nordics, Institution, Moderate, Pharmaceuticals



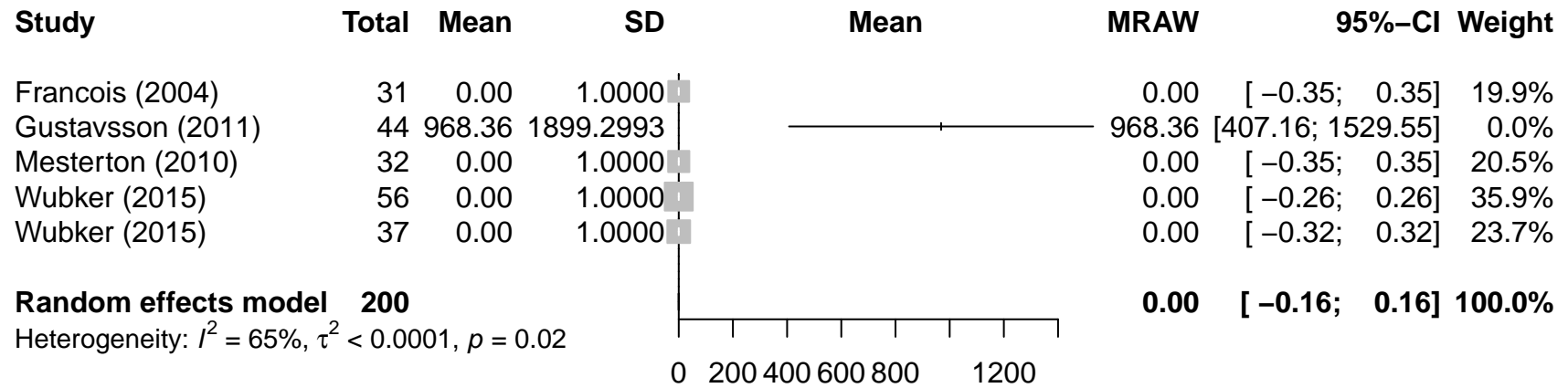
Nordics, Institution, Moderate, Institutional care



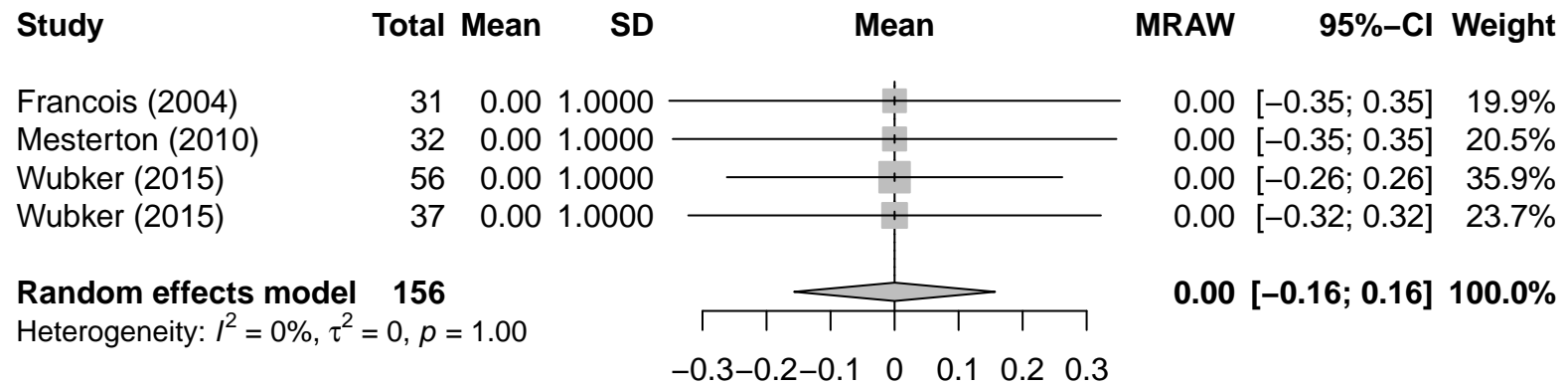
Nordics, Institution, Moderate, Community care



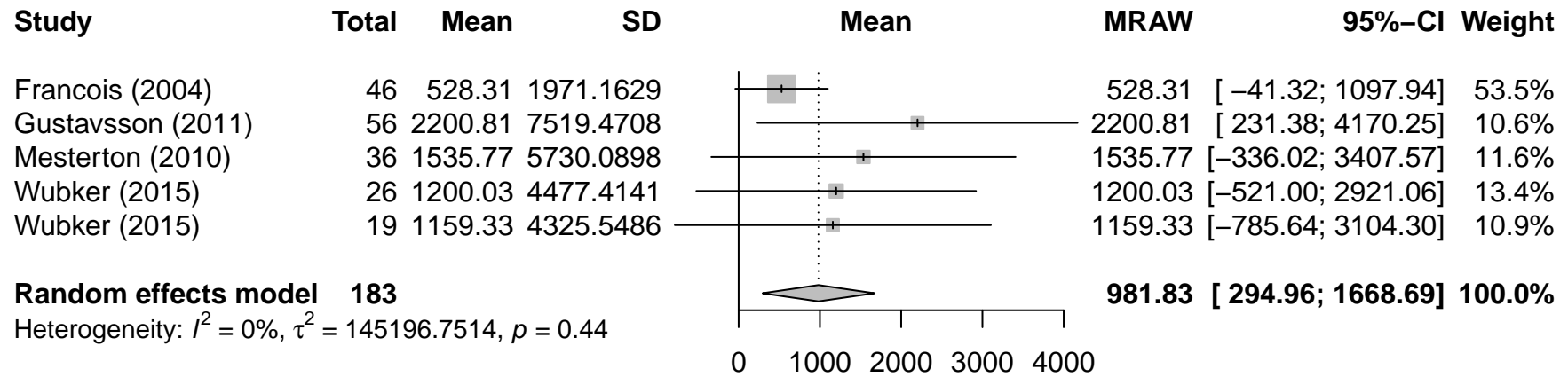
Nordics, Institution, Moderate, Caregiver work loss



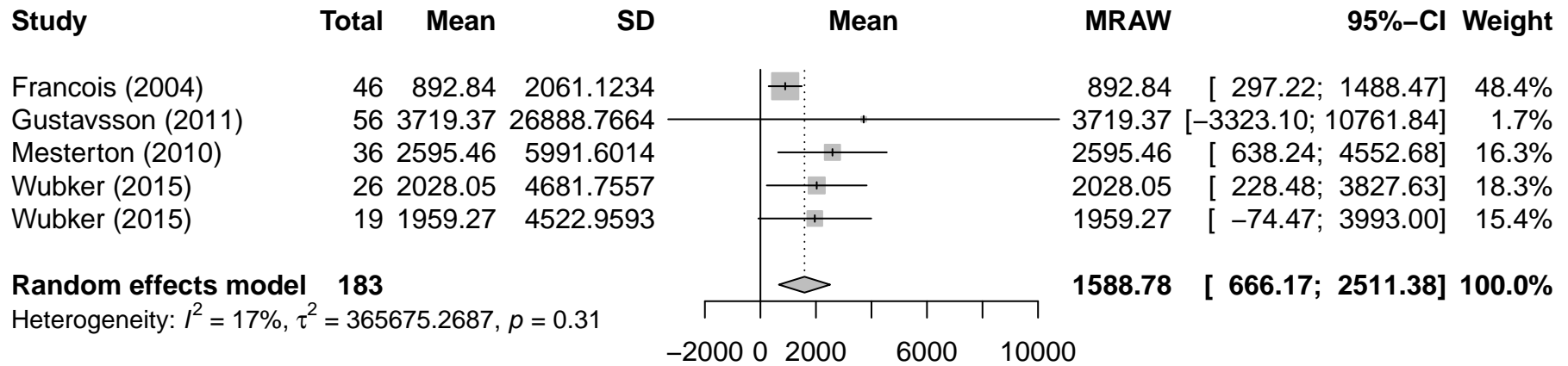
Nordics, Institution, Moderate, Caregiver time



Nordics, Institution, Severe, Inpatient care

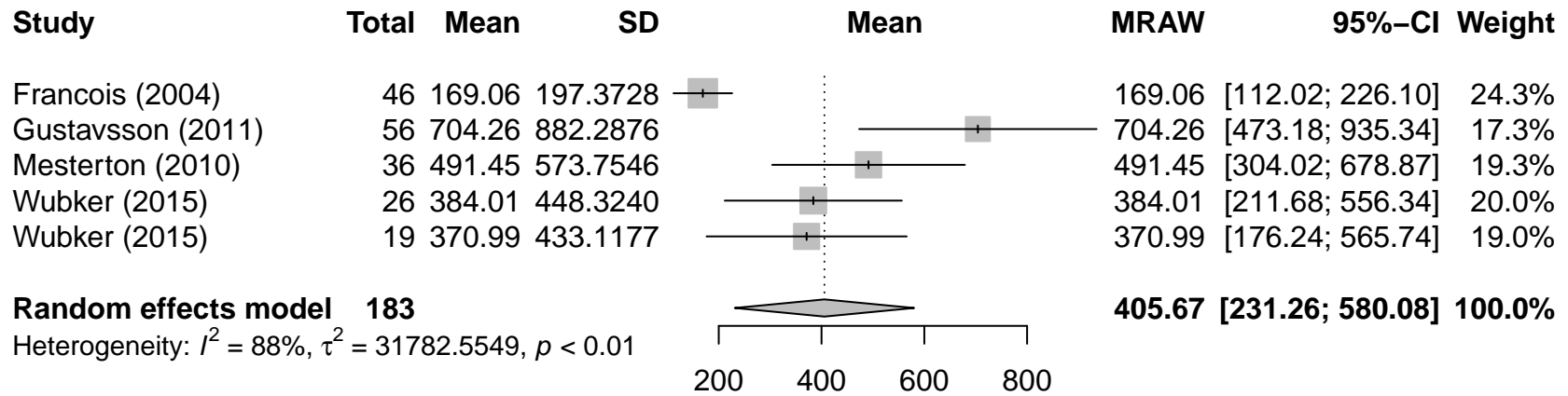


Nordics, Institution, Severe, Outpatient care

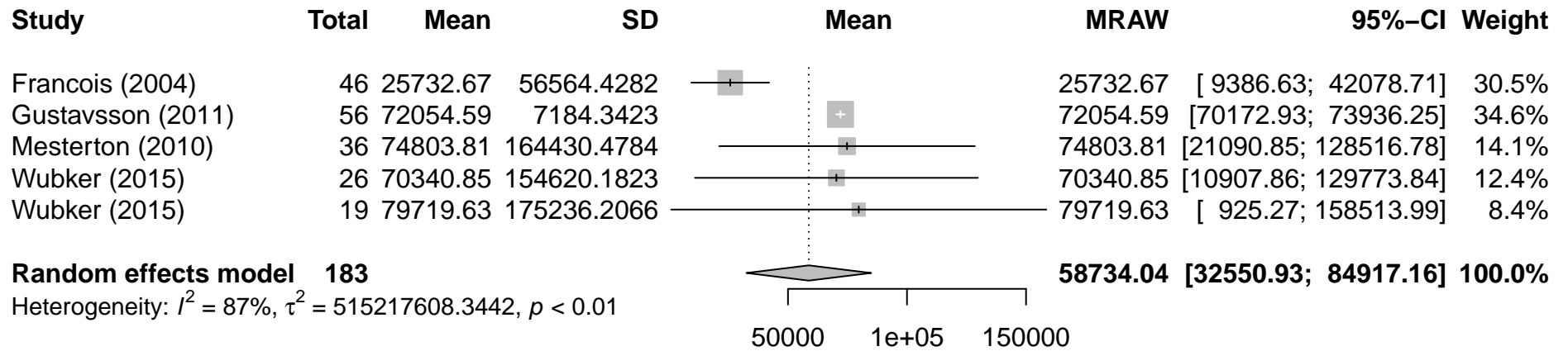




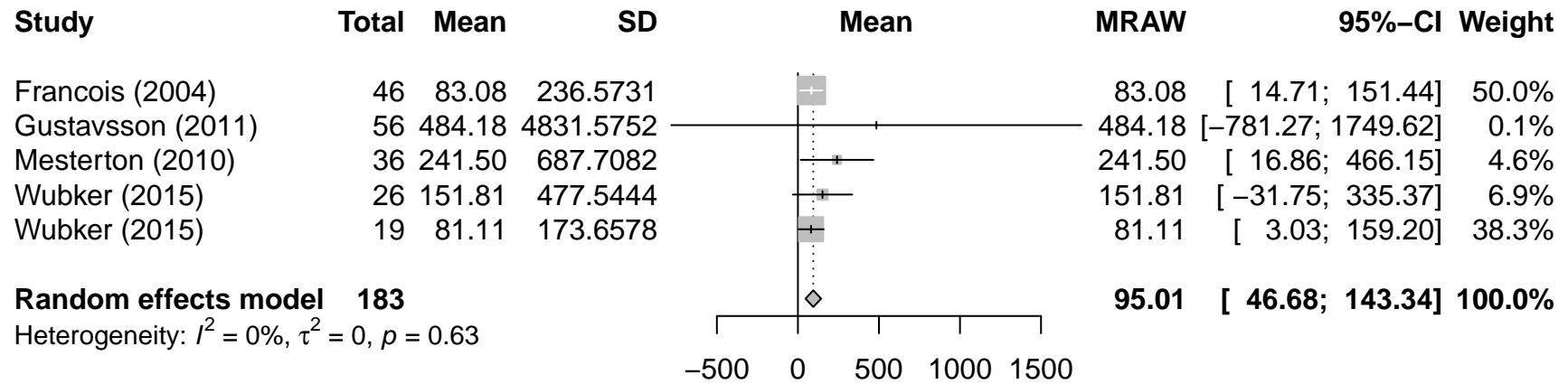
Nordics, Institution, Severe, Pharmaceuticals



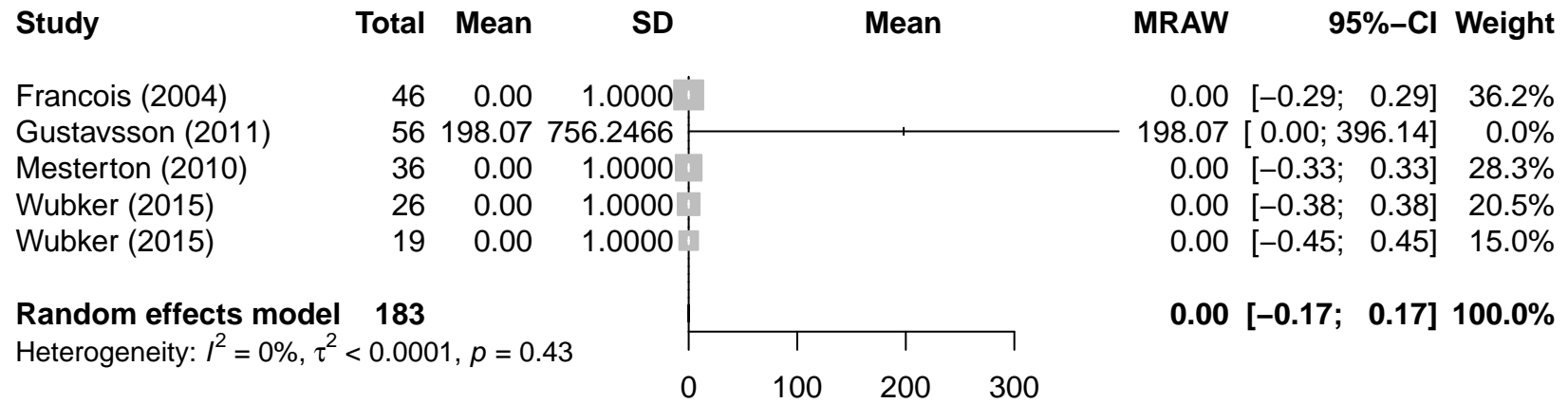
Nordics, Institution, Severe, Institutional care



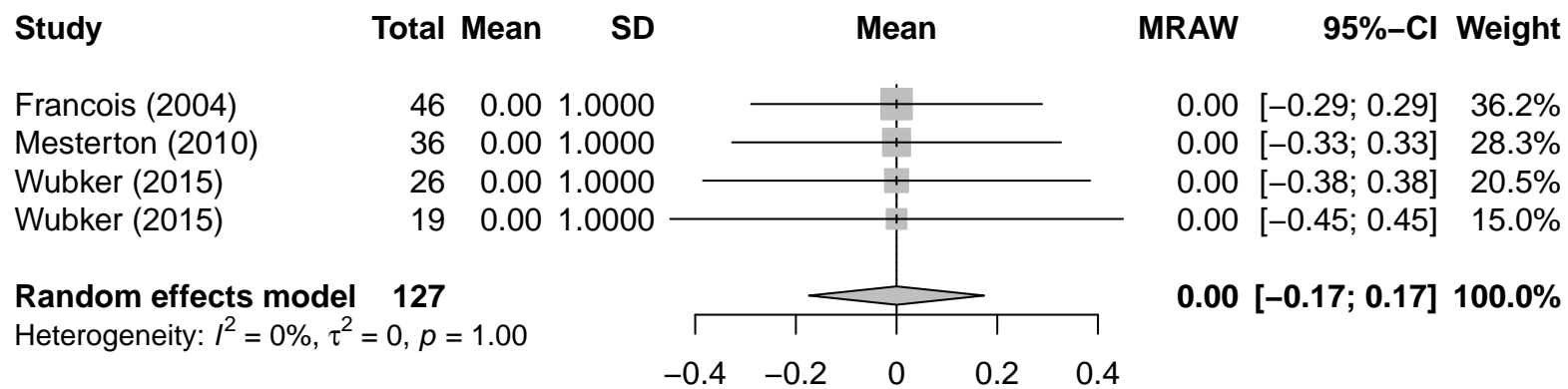
Nordics, Institution, Severe, Community care



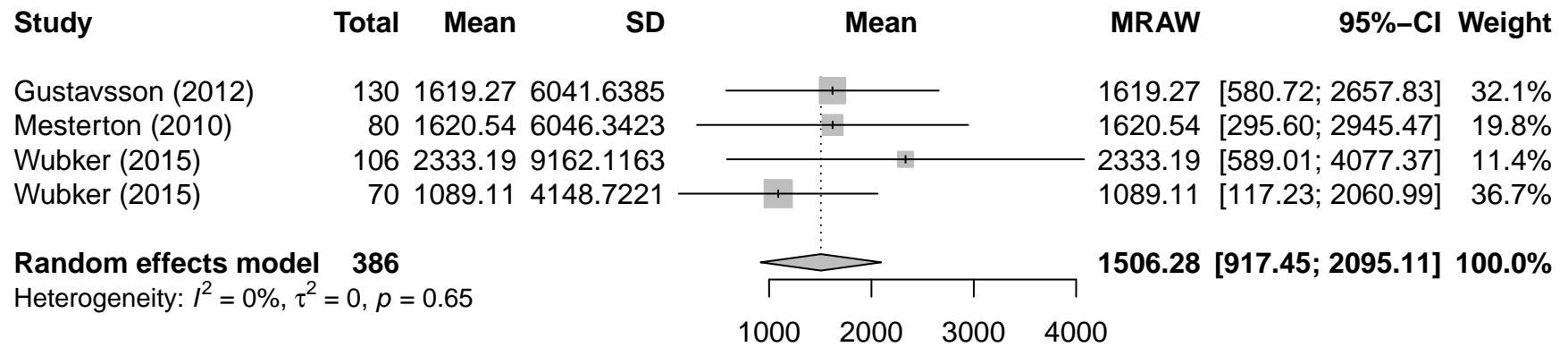
Nordics, Institution, Severe, Caregiver work loss



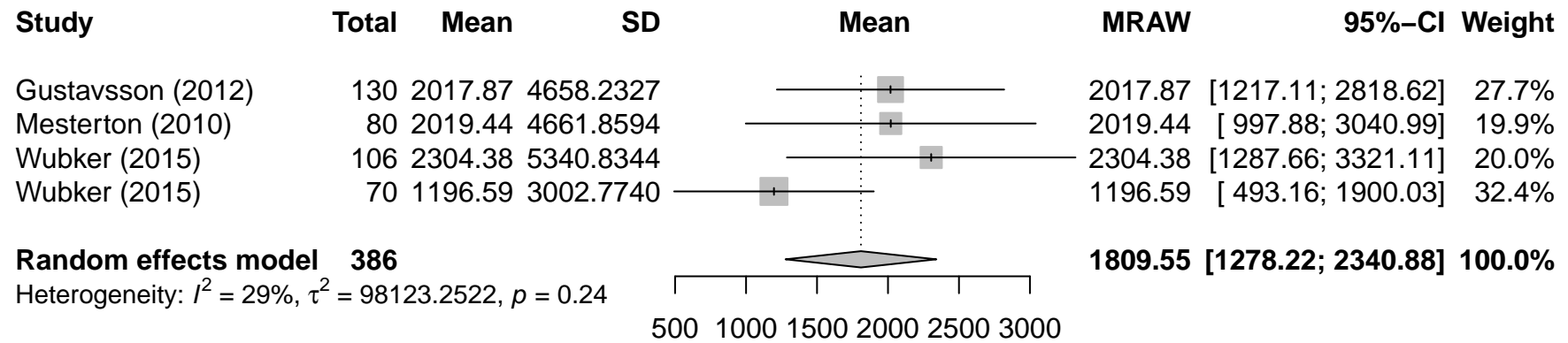
Nordics, Institution, Severe, Caregiver time



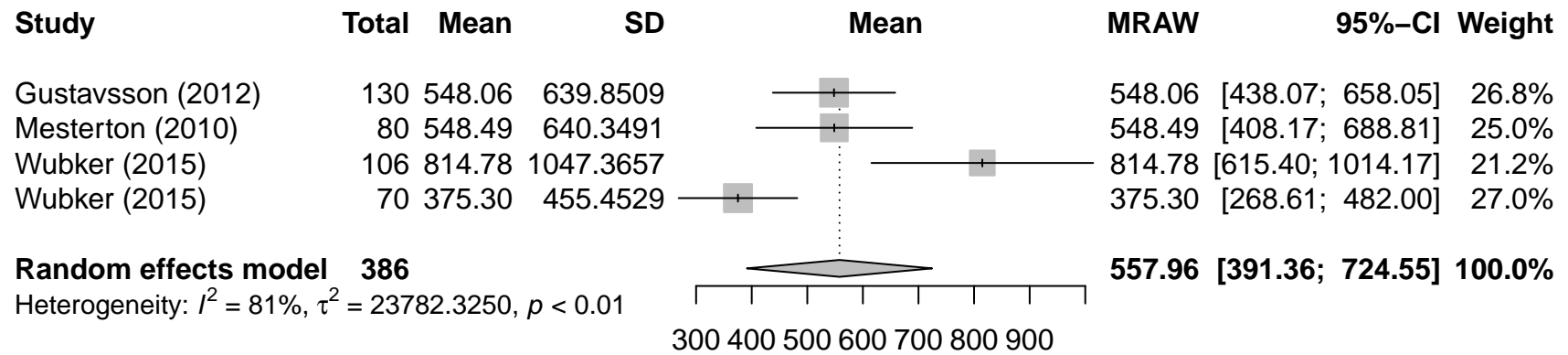
Nordics, Institution, All, Inpatient care



Nordics, Institution, All, Outpatient care

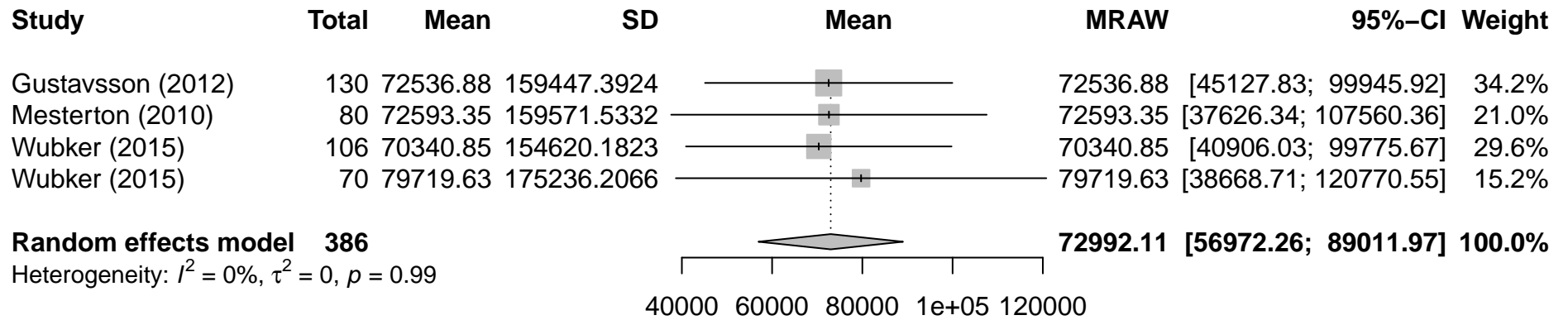


Nordics, Institution, All, Pharmaceuticals

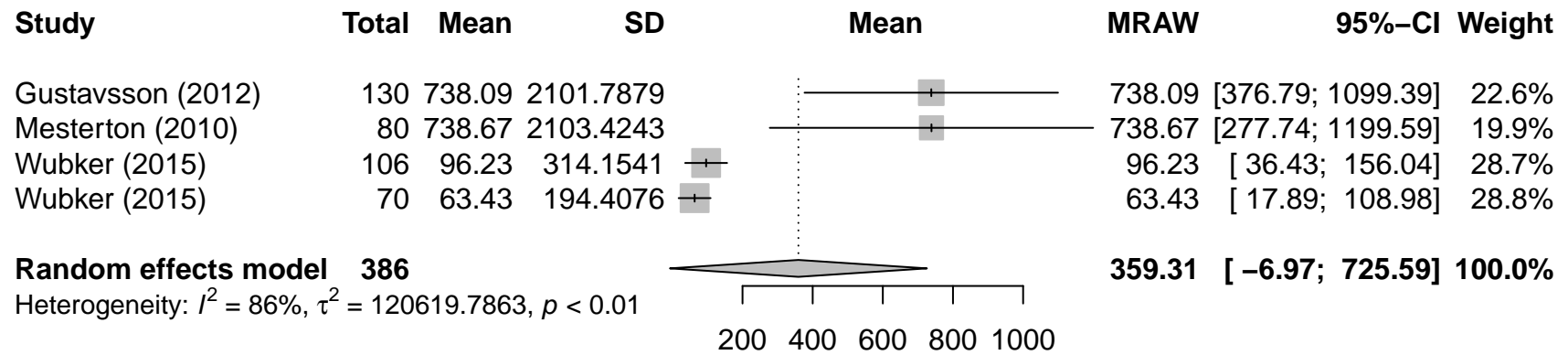




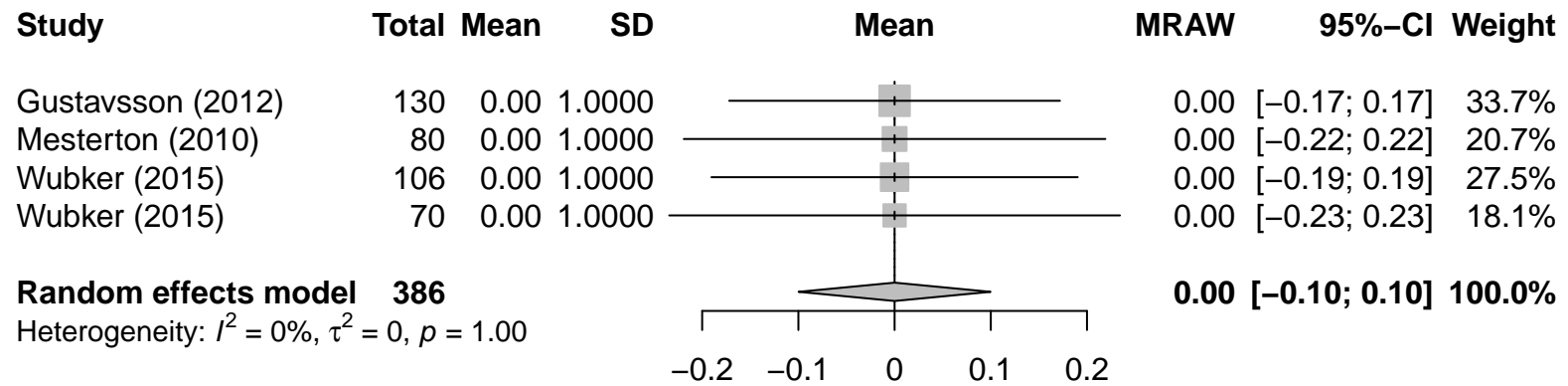
Nordics, Institution, All, Institutional care



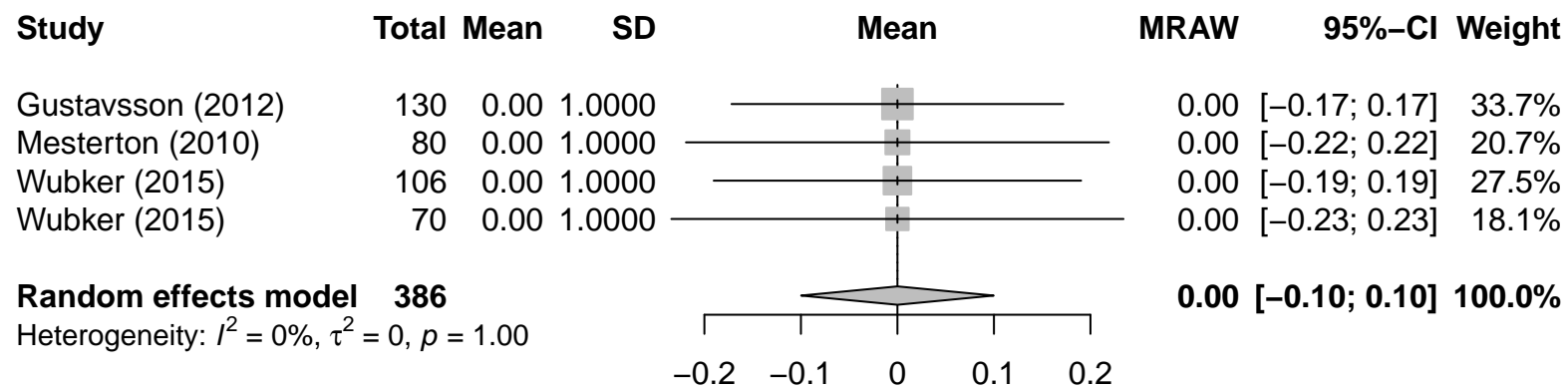
Nordics, Institution, All, Community care



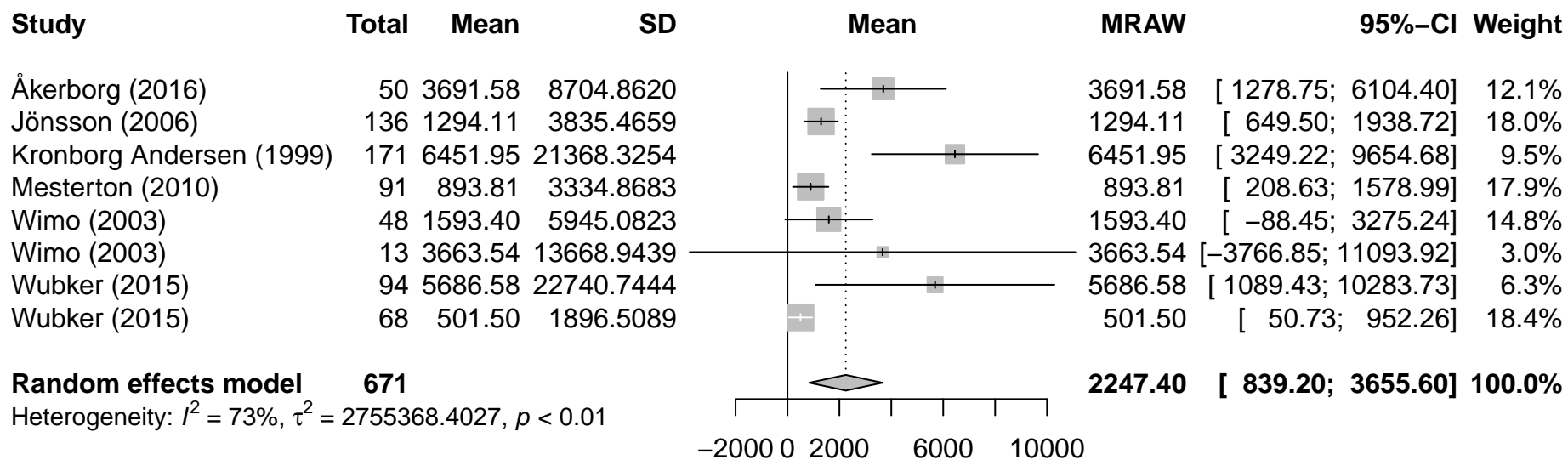
Nordics, Institution, All, Caregiver work loss



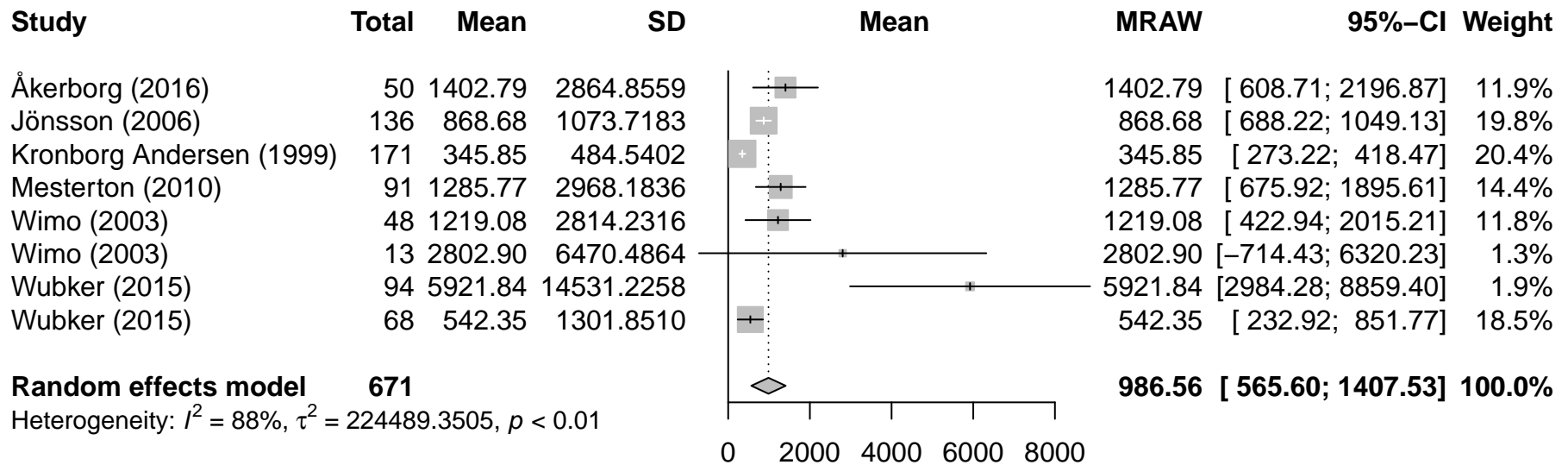
Nordics, Institution, All, Caregiver time



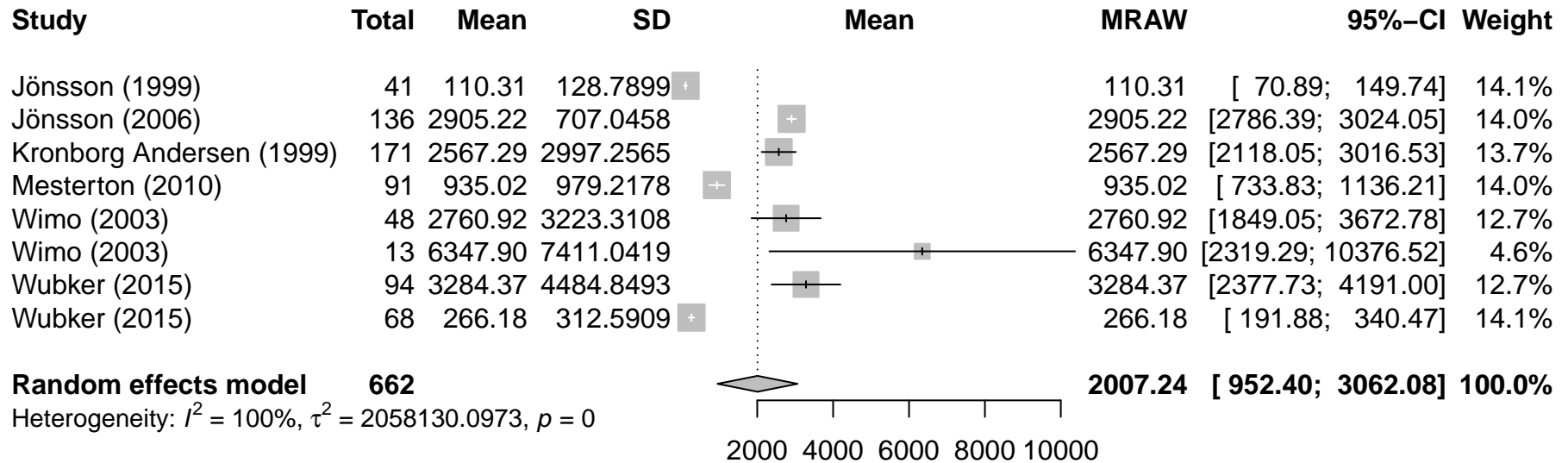
Nordics, All, Mild, Inpatient care



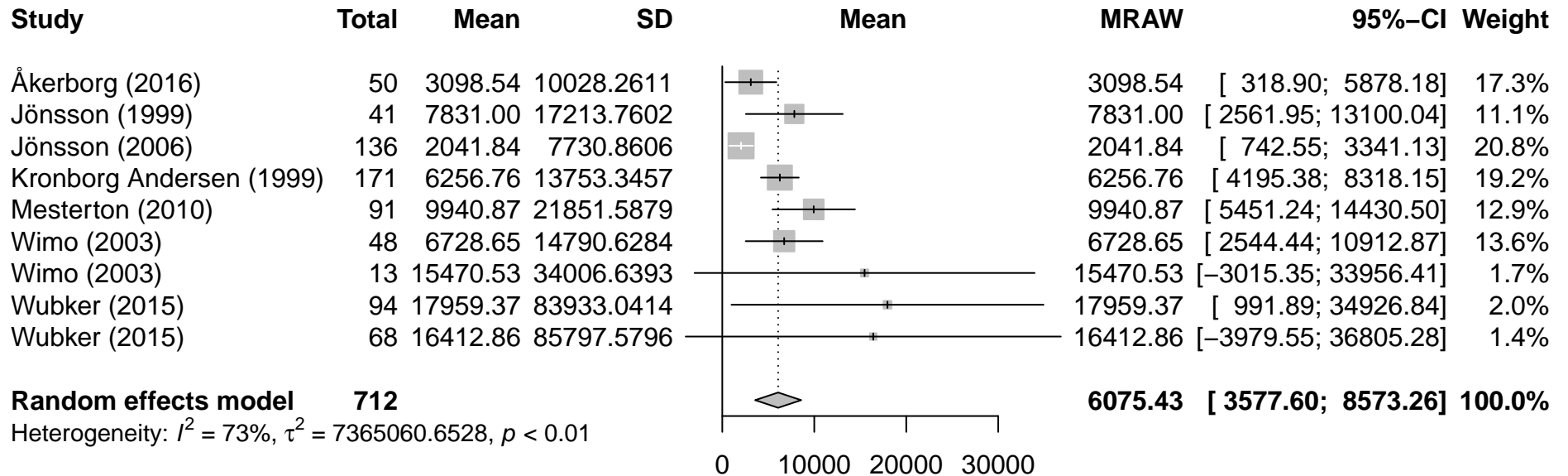
Nordics, All, Mild, Outpatient care



Nordics, All, Mild, Pharmaceuticals

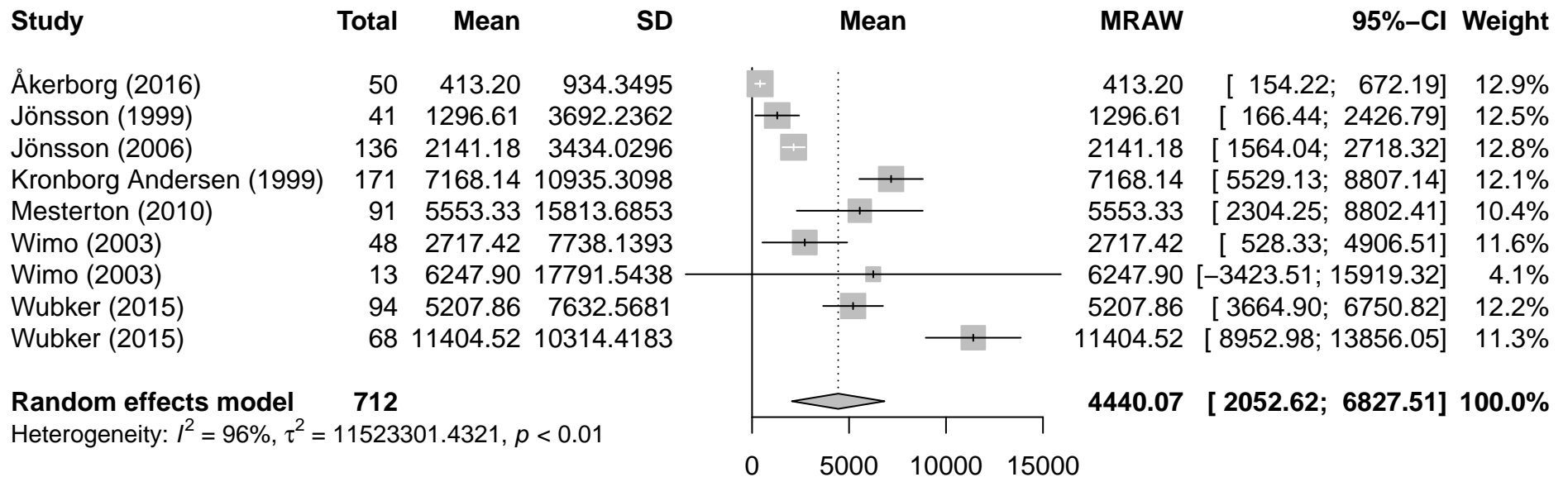


Nordics, All, Mild, Institutional care

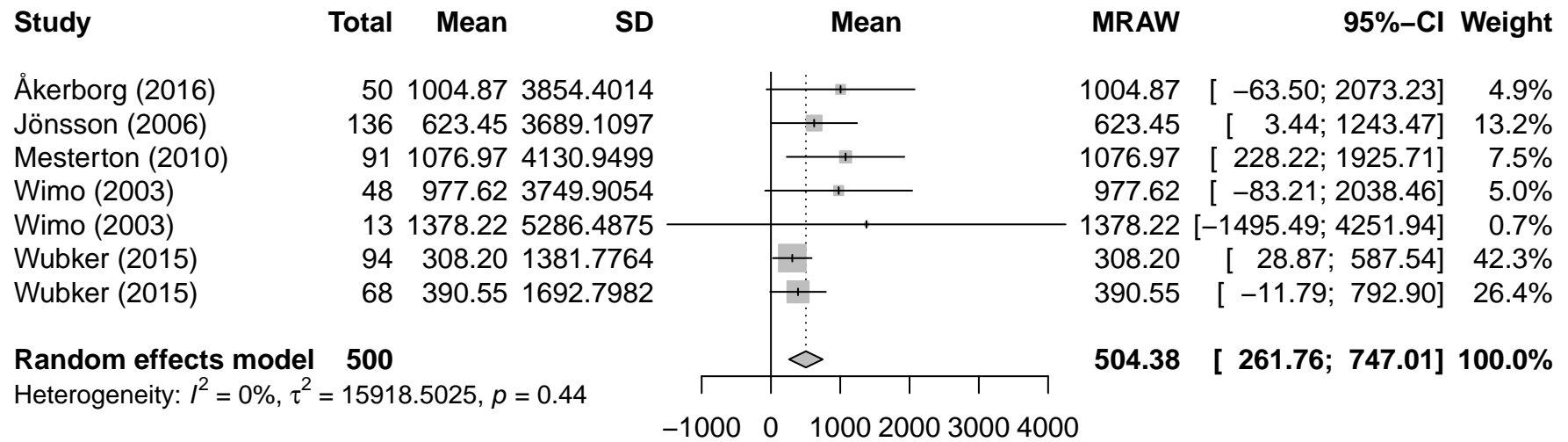




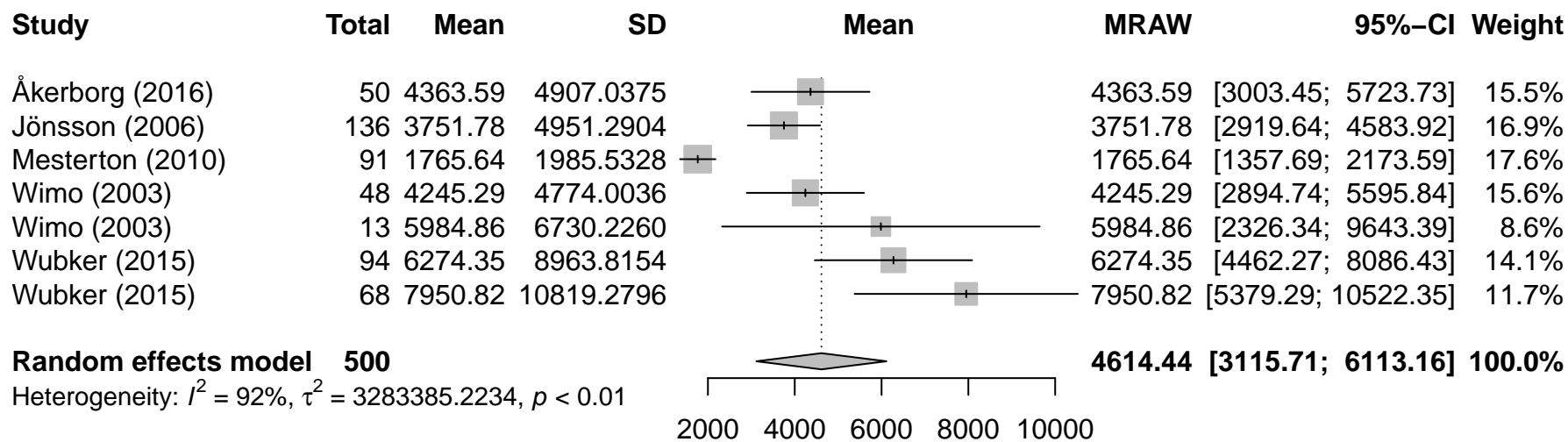
Nordics, All, Mild, Community care



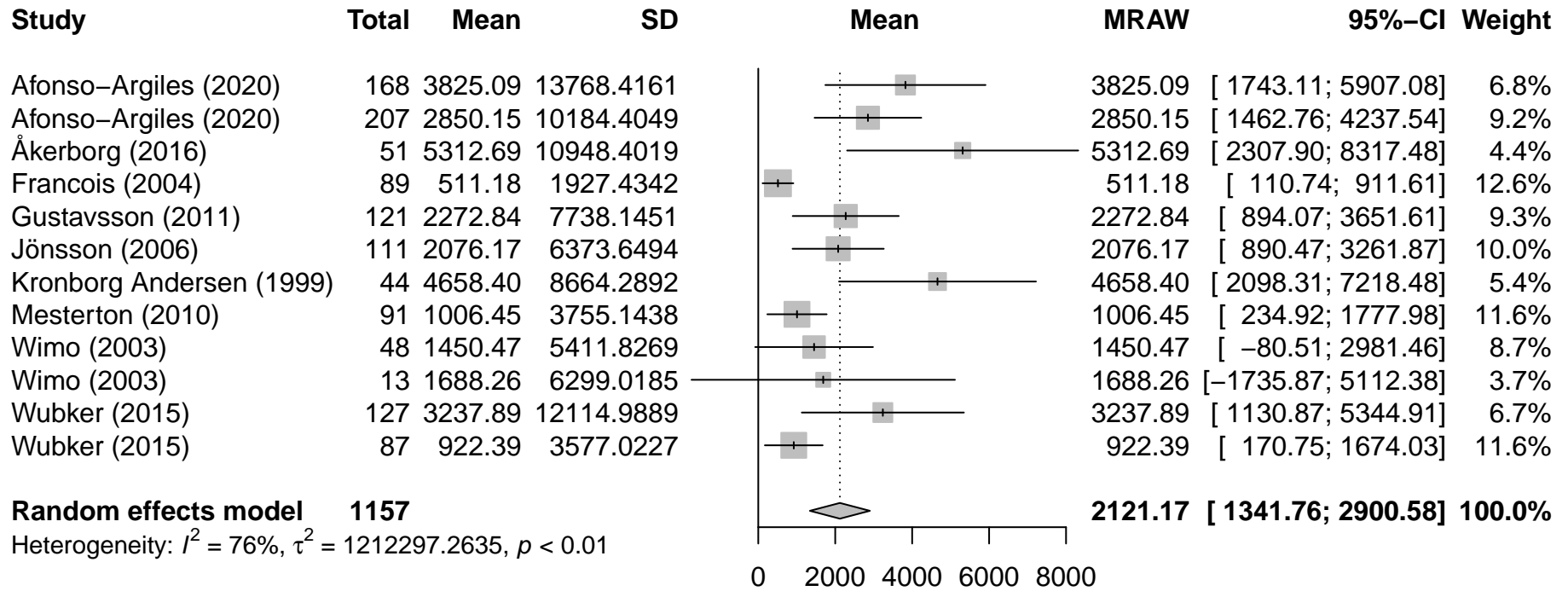
Nordics, All, Mild, Caregiver work loss



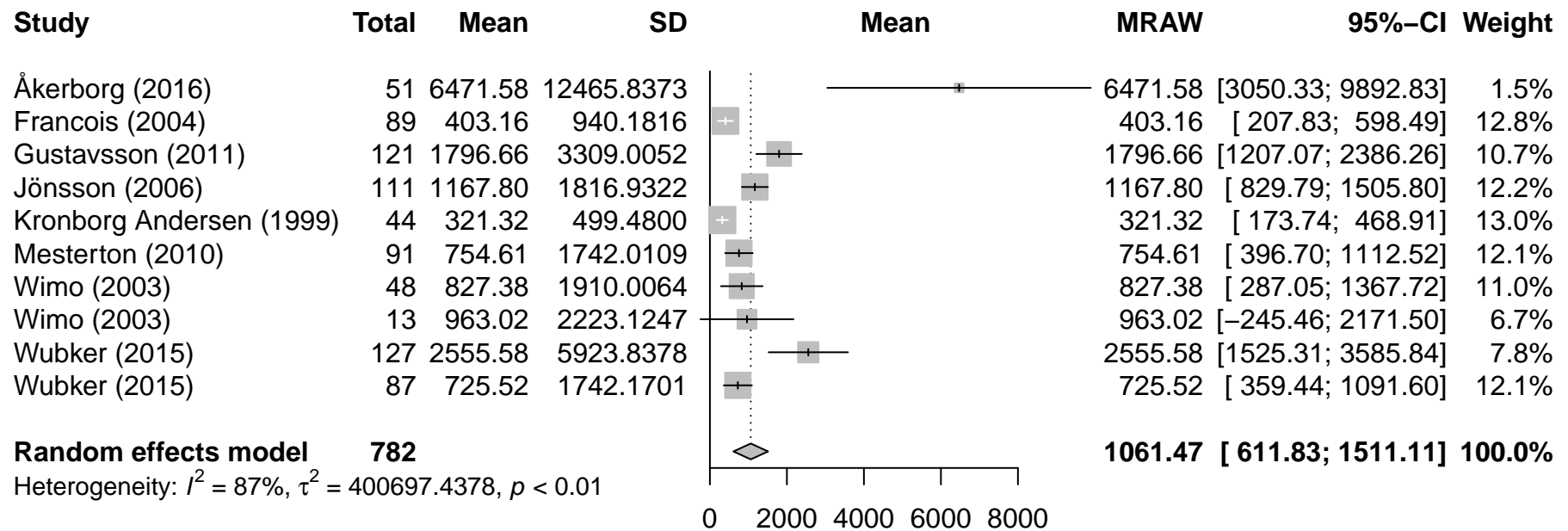
Nordics, All, Mild, Caregiver time



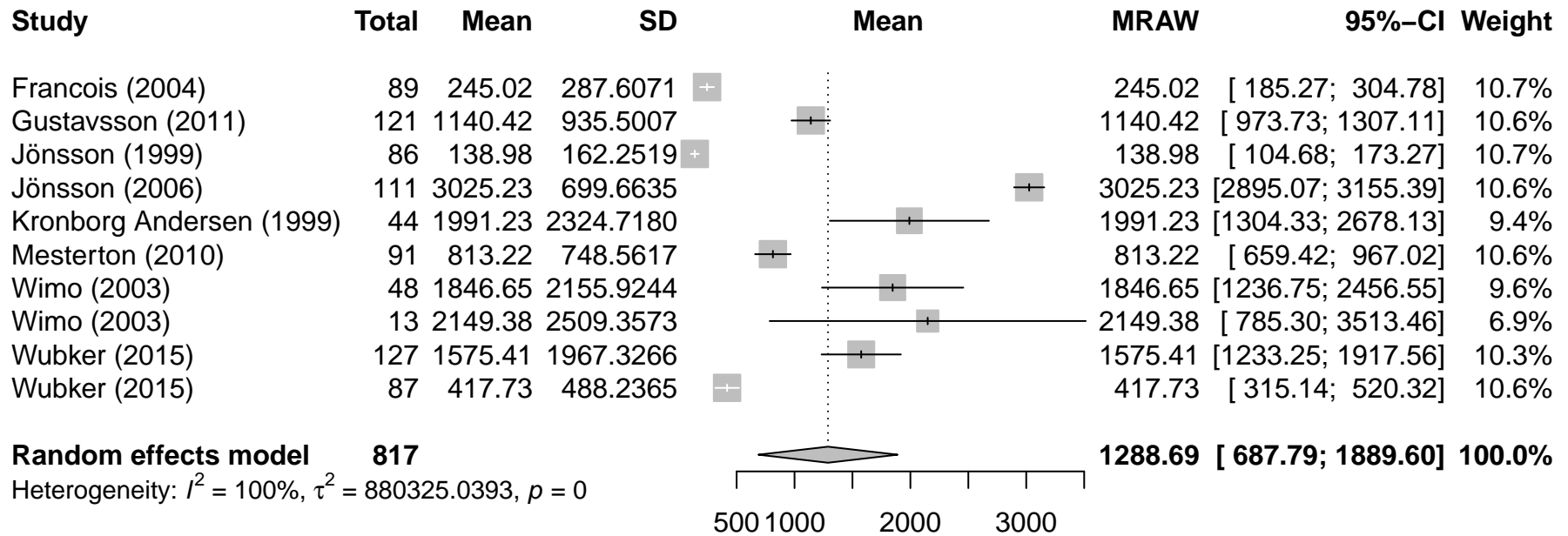
Nordics, All, Moderate, Inpatient care



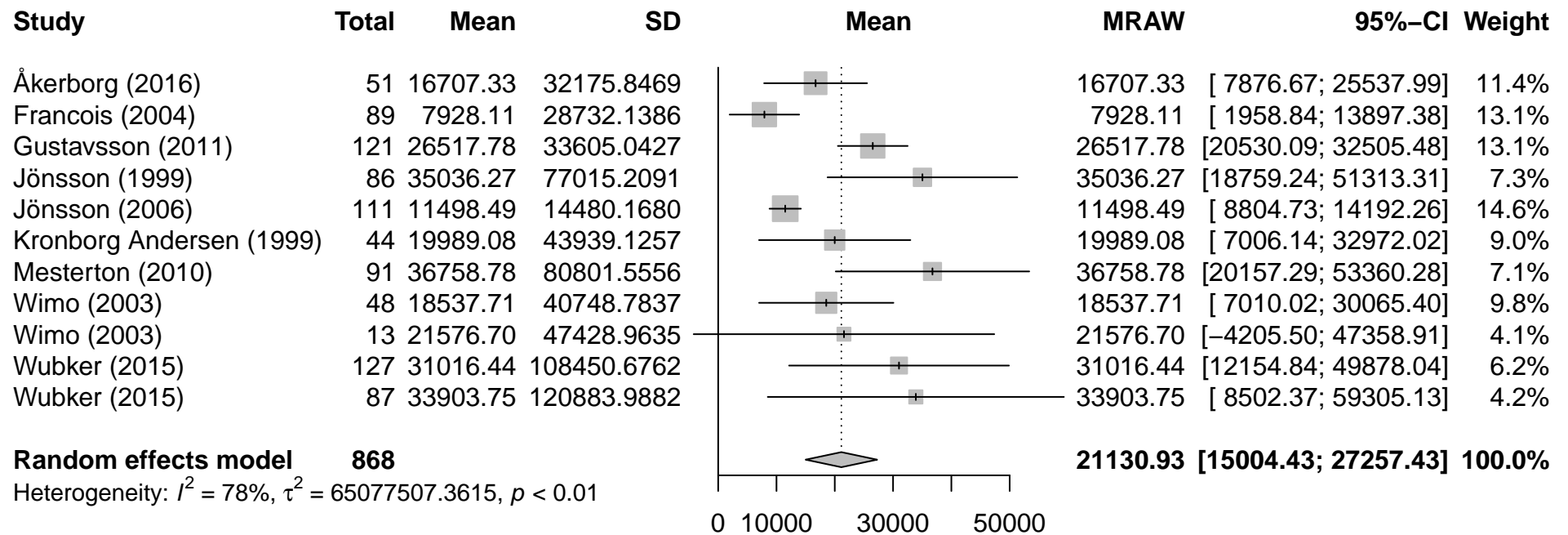
Nordics, All, Moderate, Outpatient care



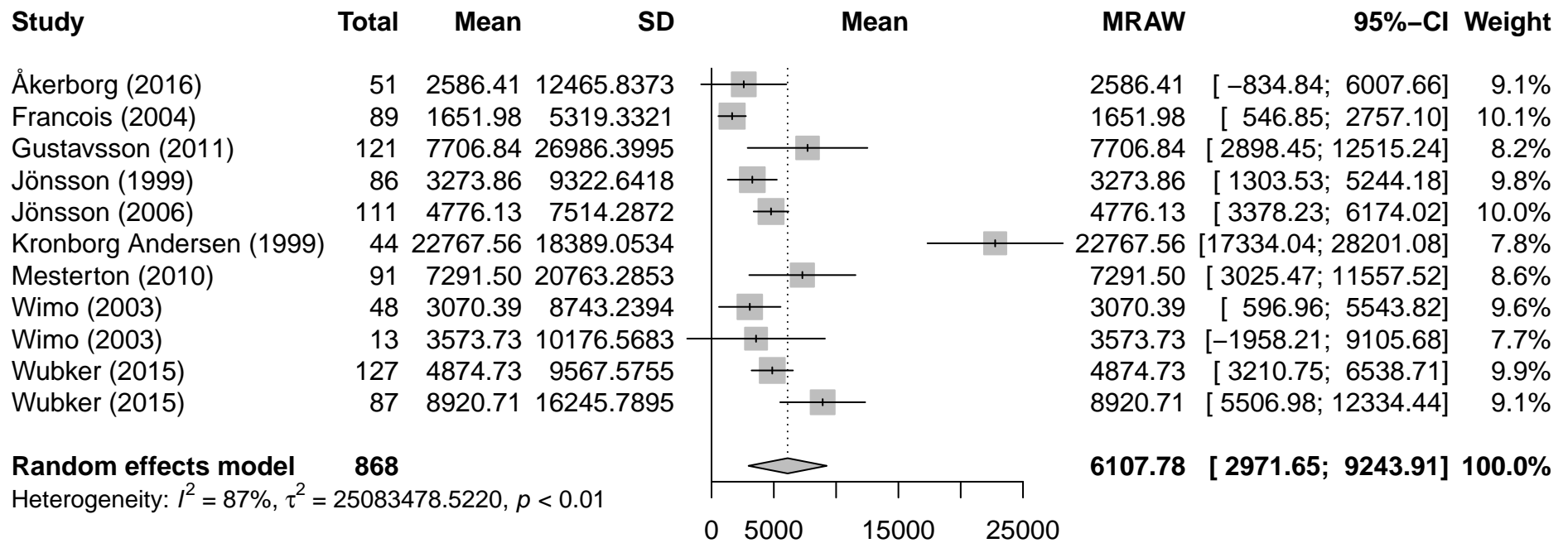
Nordics, All, Moderate, Pharmaceuticals



Nordics, All, Moderate, Institutional care

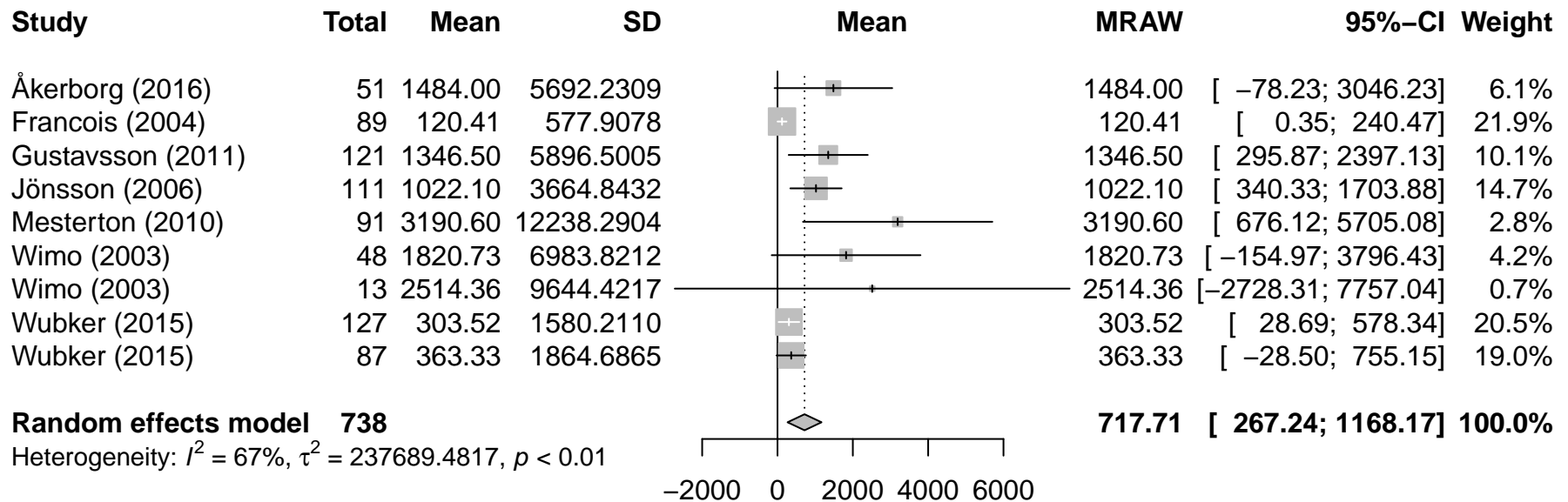


Nordics, All, Moderate, Community care

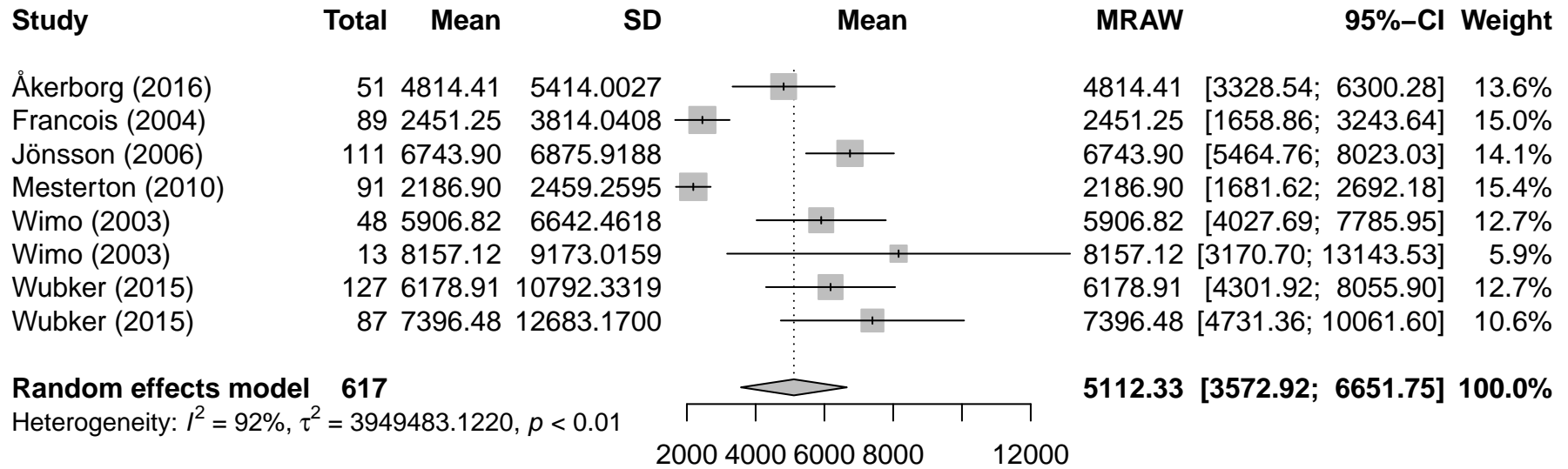




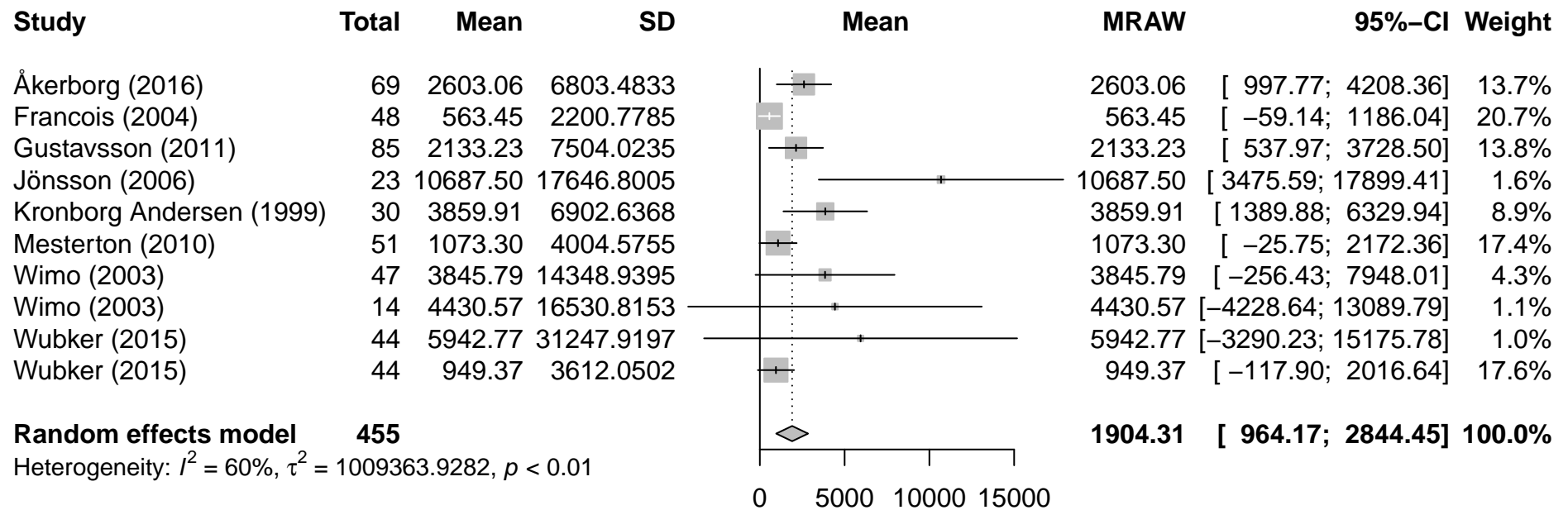
Nordics, All, Moderate, Caregiver work loss



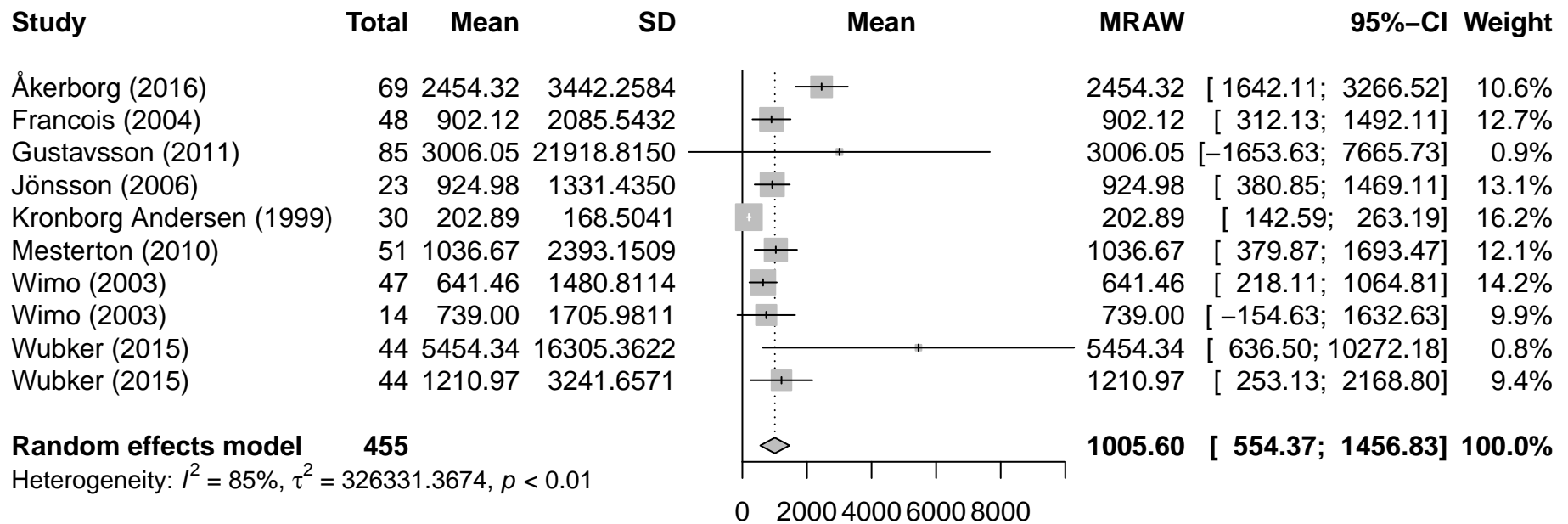
Nordics, All, Moderate, Caregiver time



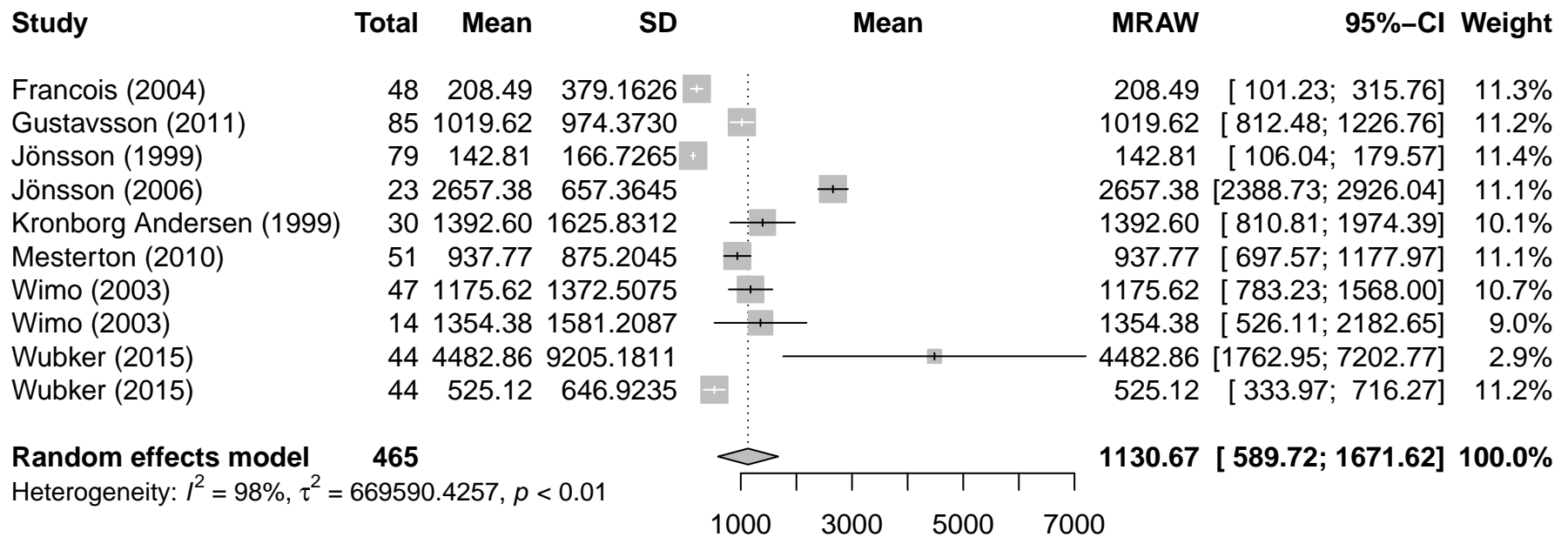
Nordics, All, Severe, Inpatient care



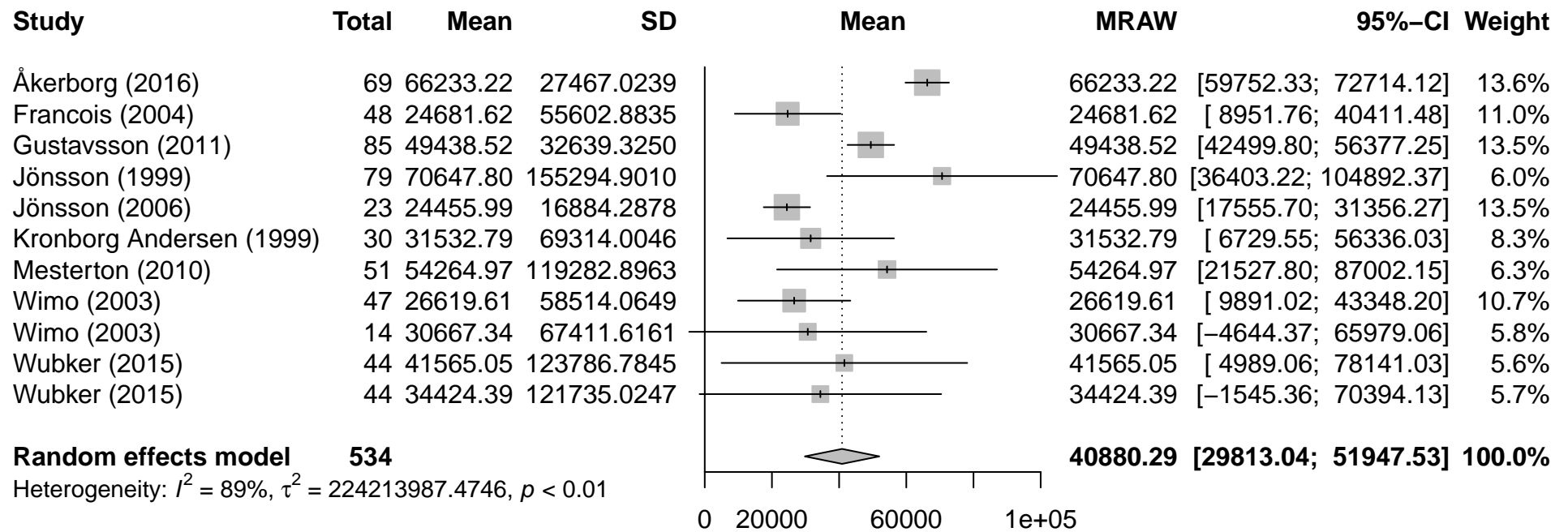
Nordics, All, Severe, Outpatient care



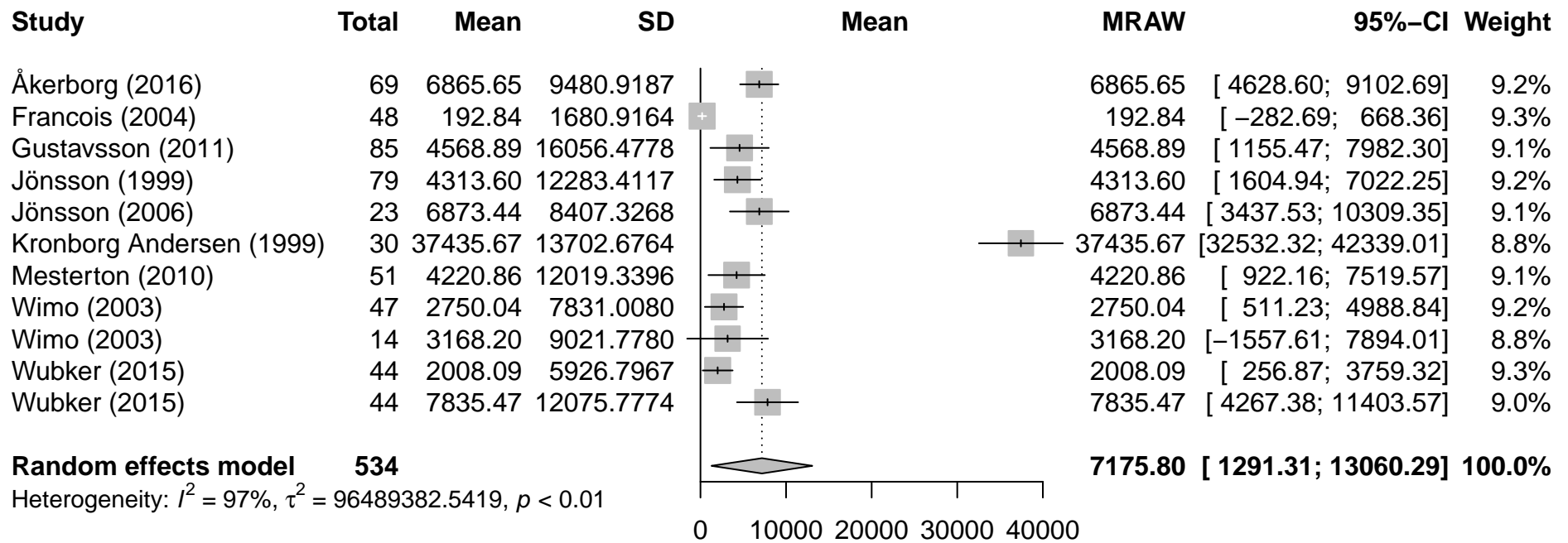
Nordics, All, Severe, Pharmaceuticals



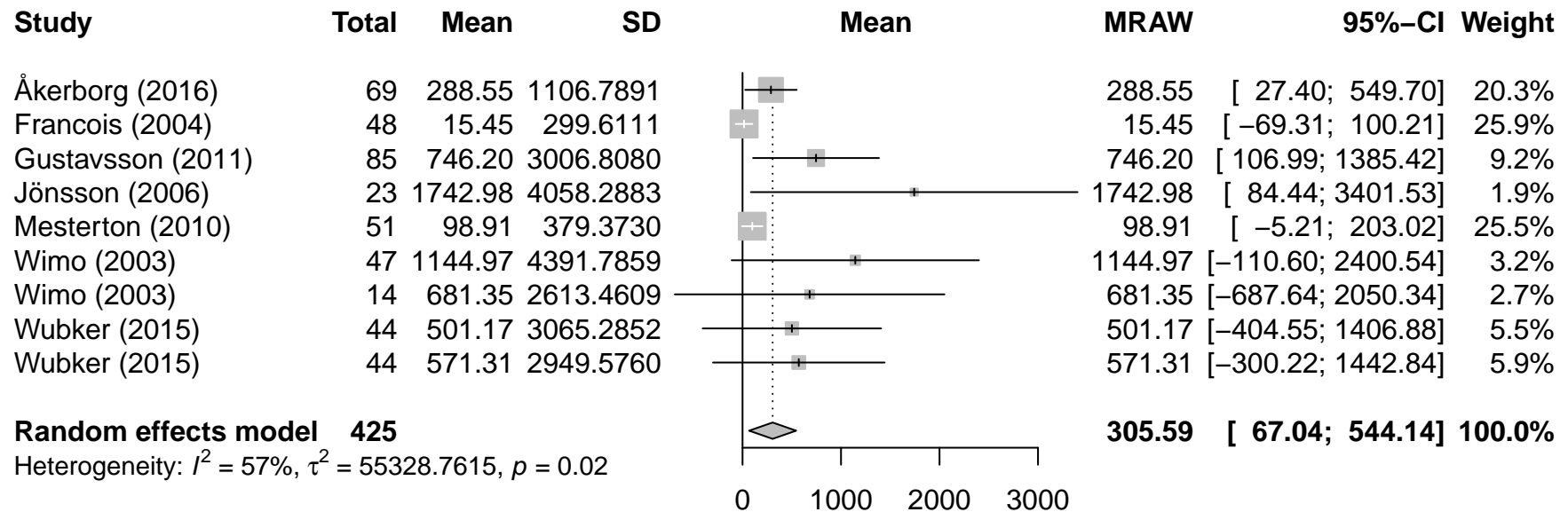
Nordics, All, Severe, Institutional care



Nordics, All, Severe, Community care

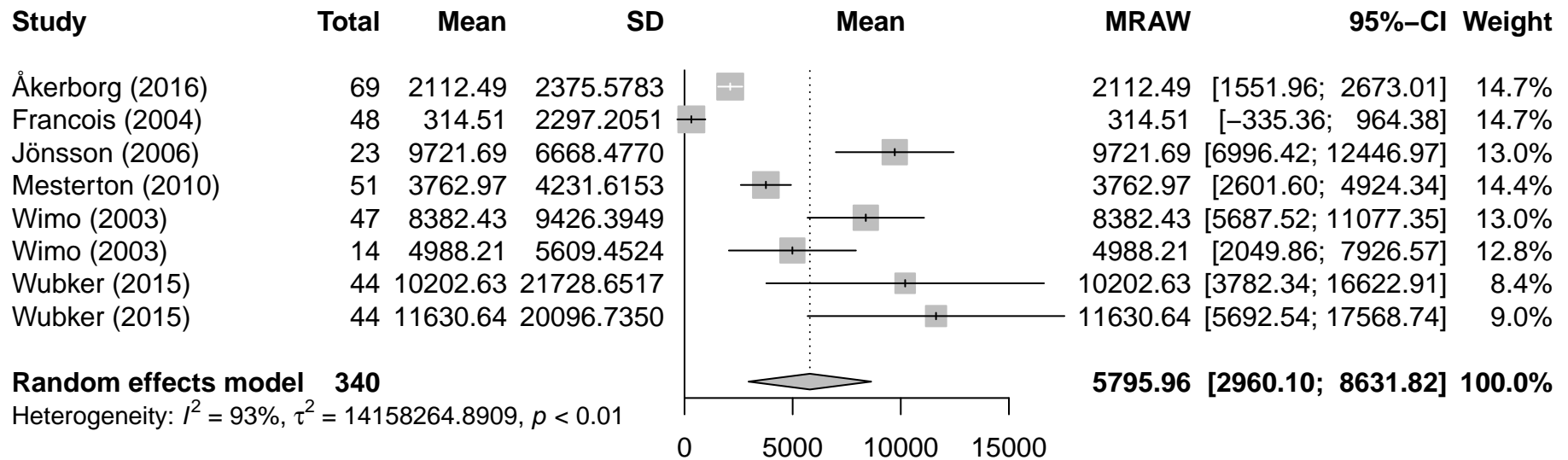


Nordics, All, Severe, Caregiver work loss

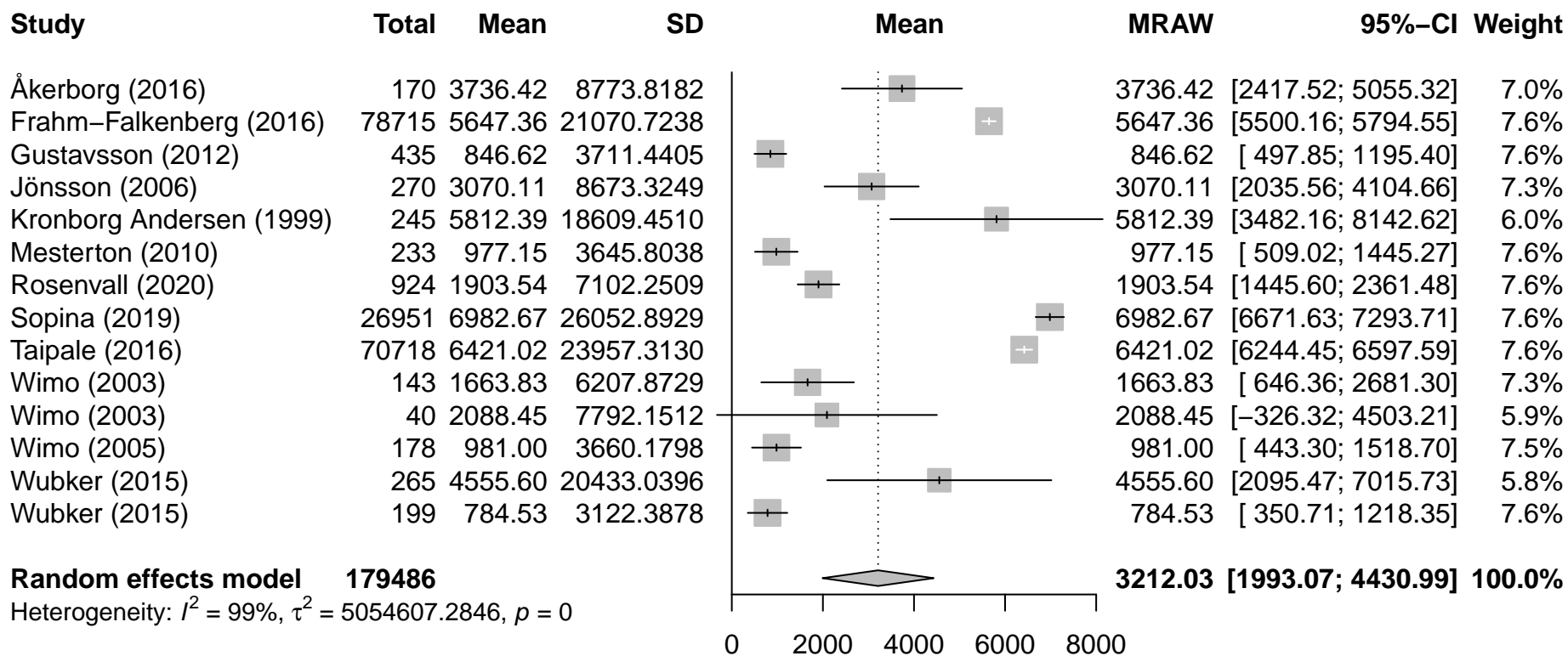




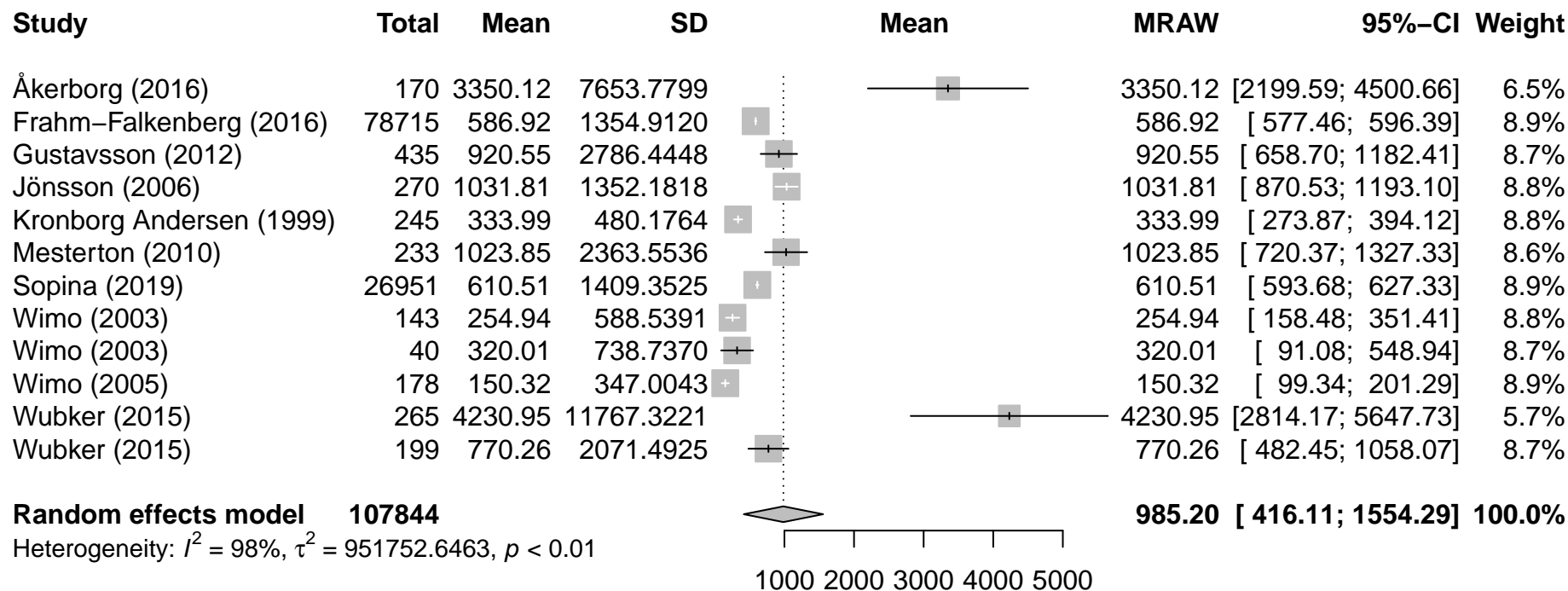
Nordics, All, Severe, Caregiver time



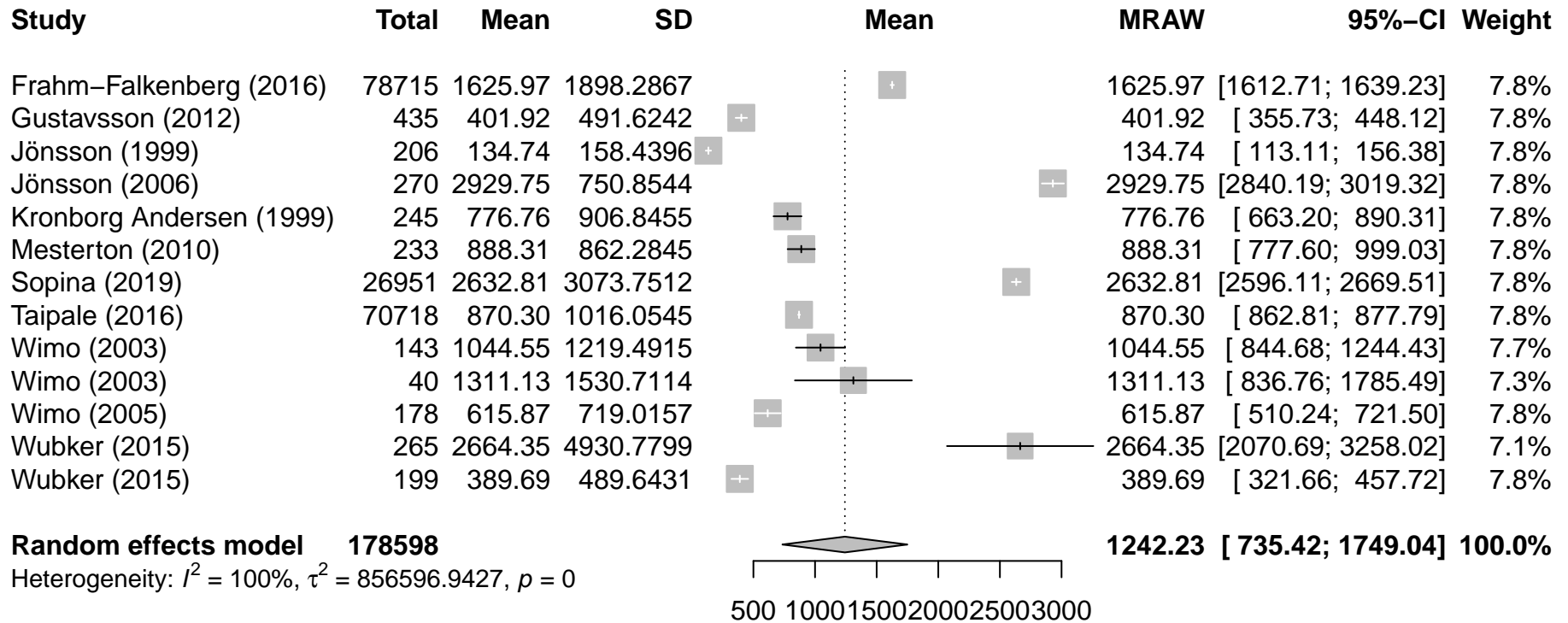
Nordics, All, All, Inpatient care



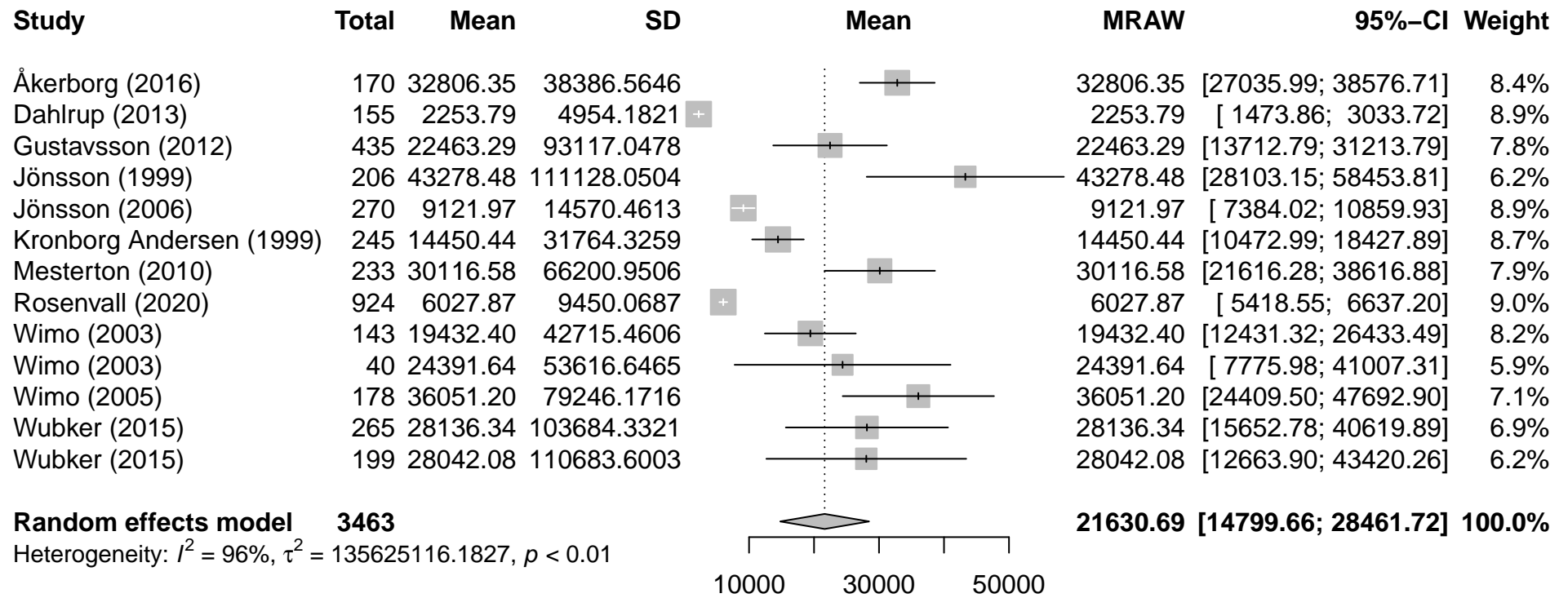
Nordics, All, All, Outpatient care



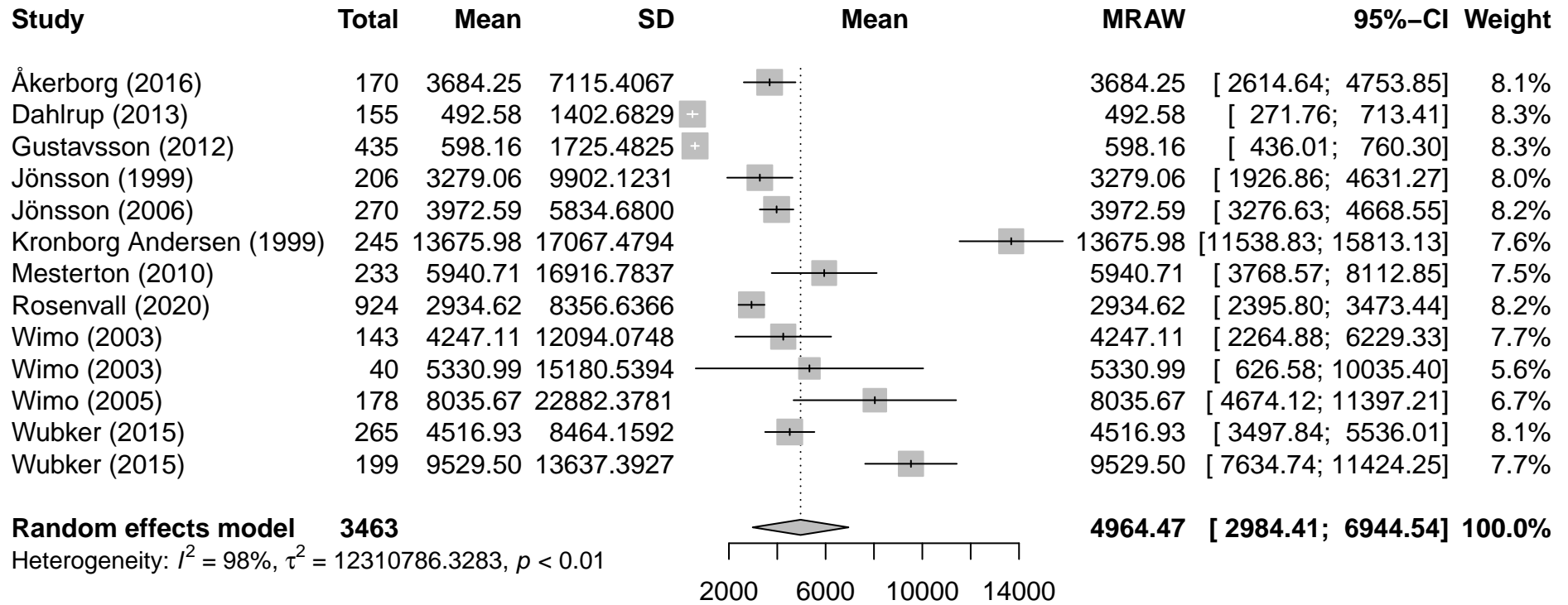
Nordics, All, All, Pharmaceuticals



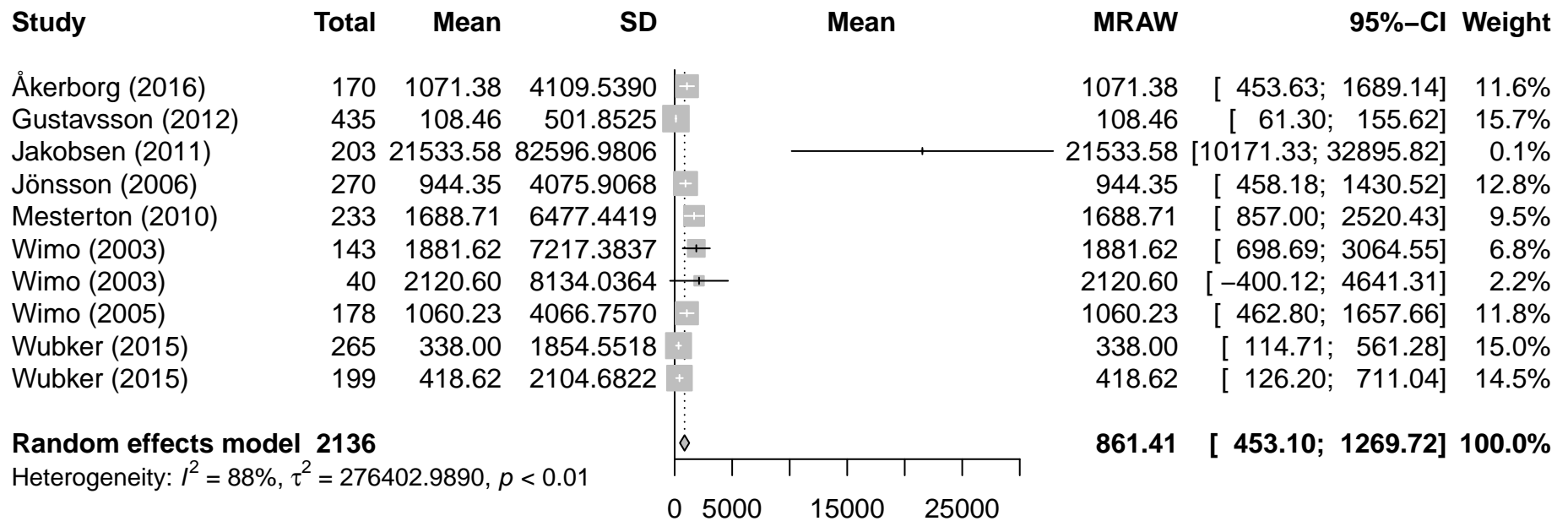
Nordics, All, All, Institutional care



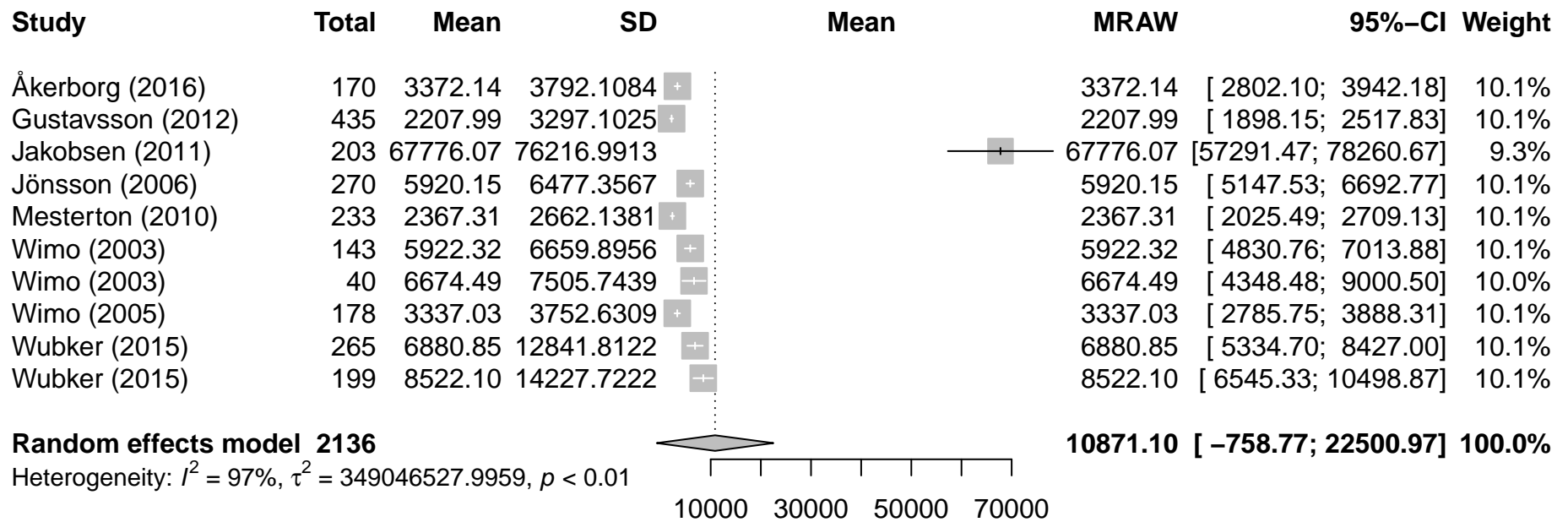
Nordics, All, All, Community care



Nordics, All, All, Caregiver work loss

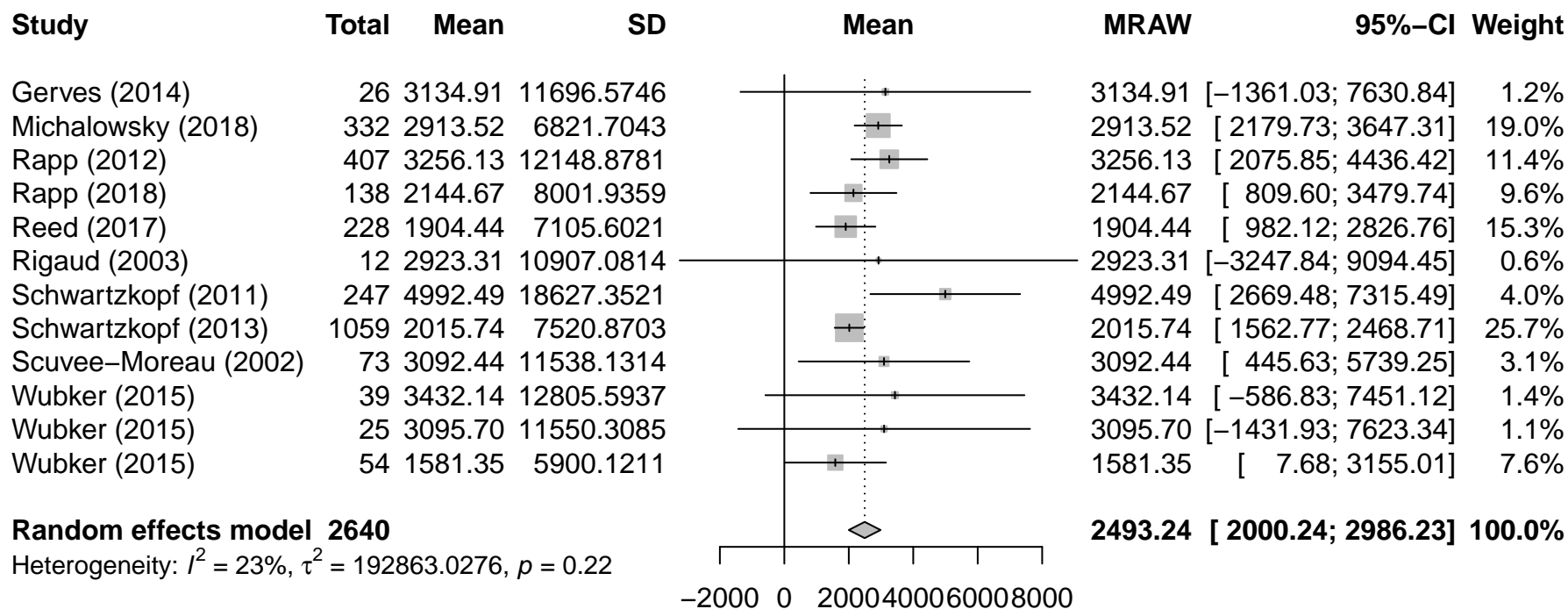


Nordics, All, All, Caregiver time

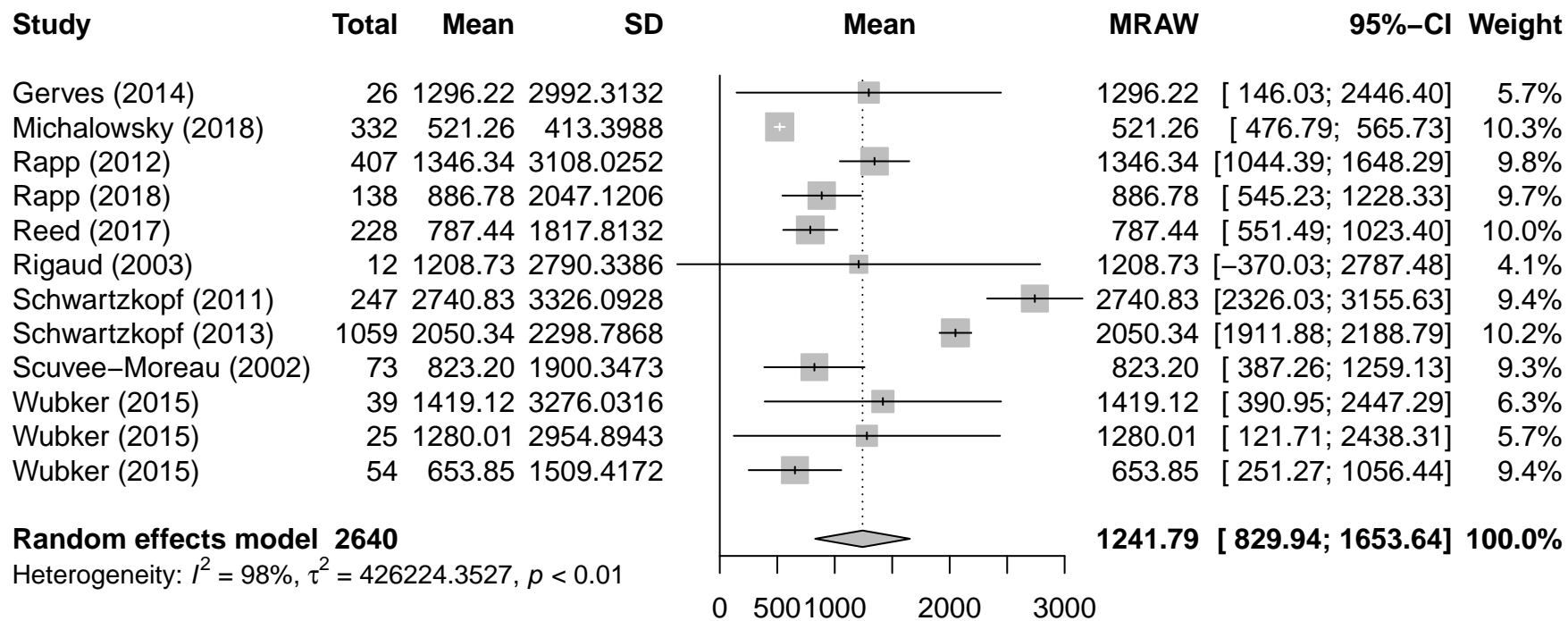




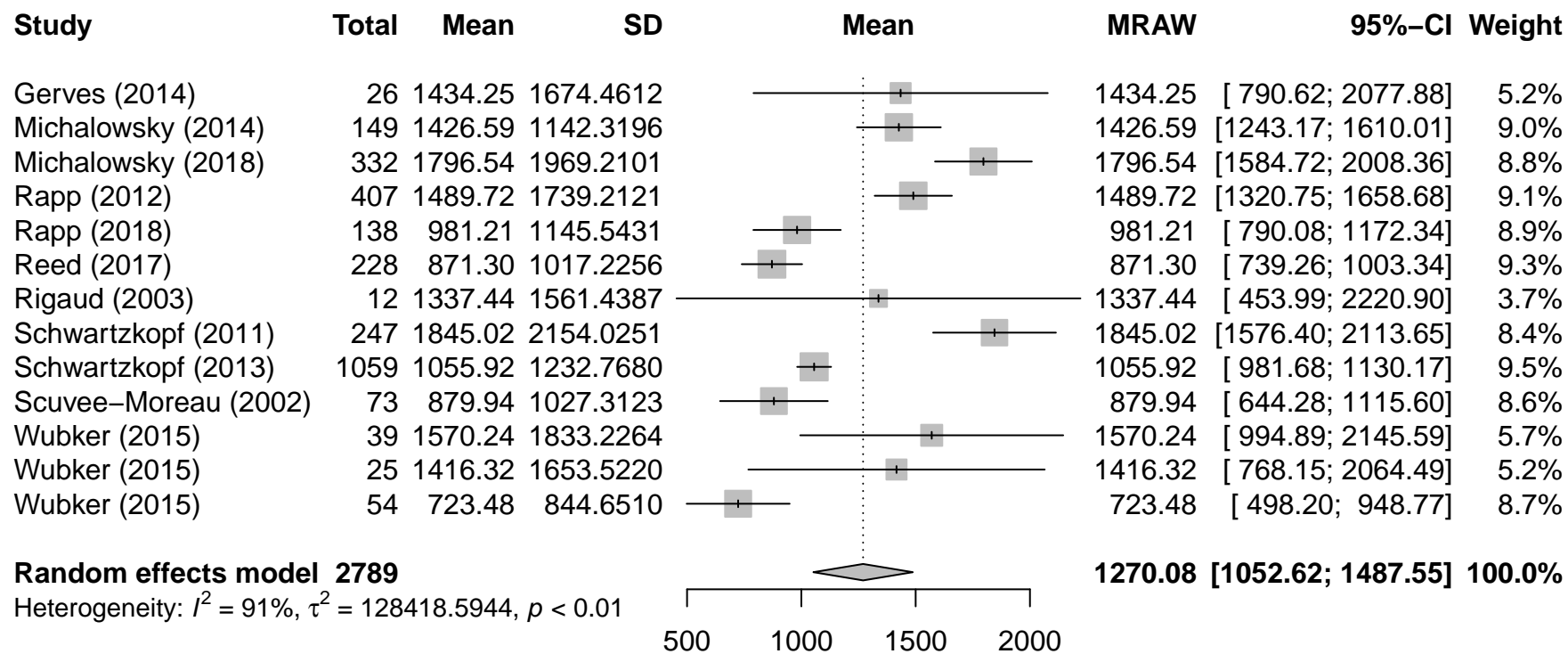
Western Europe, Community, Mild, Inpatient care



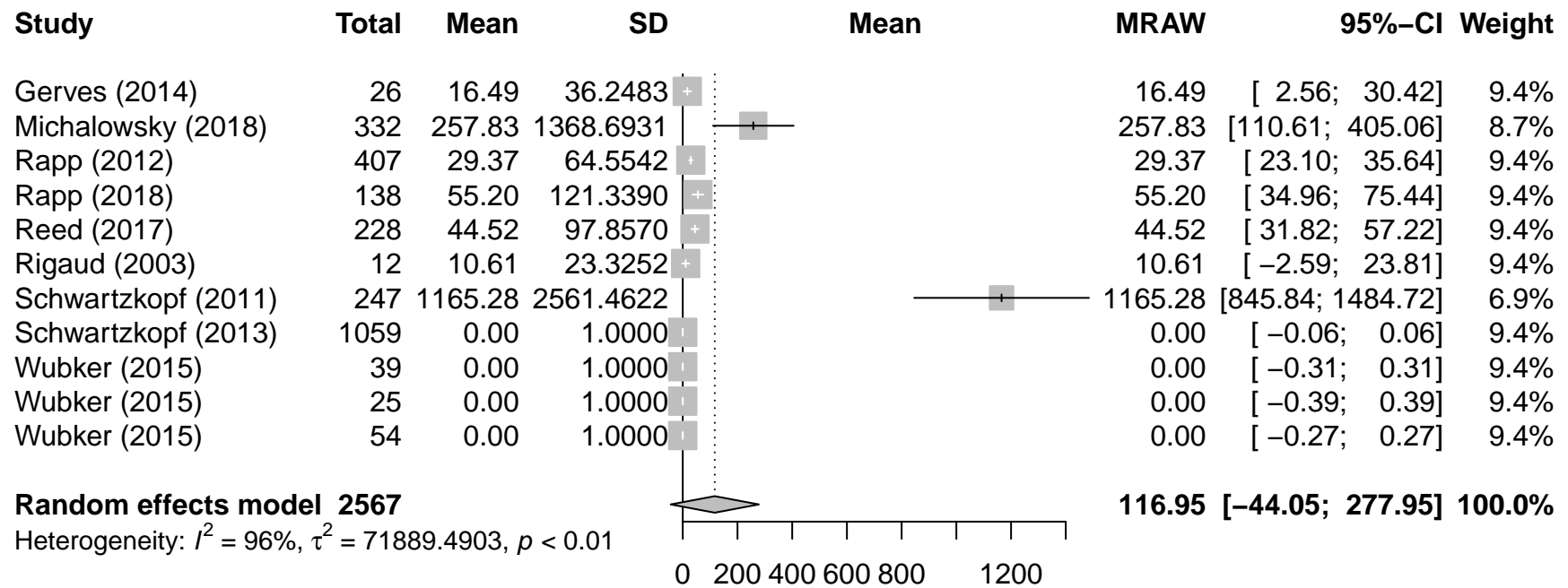
Western Europe, Community, Mild, Outpatient care



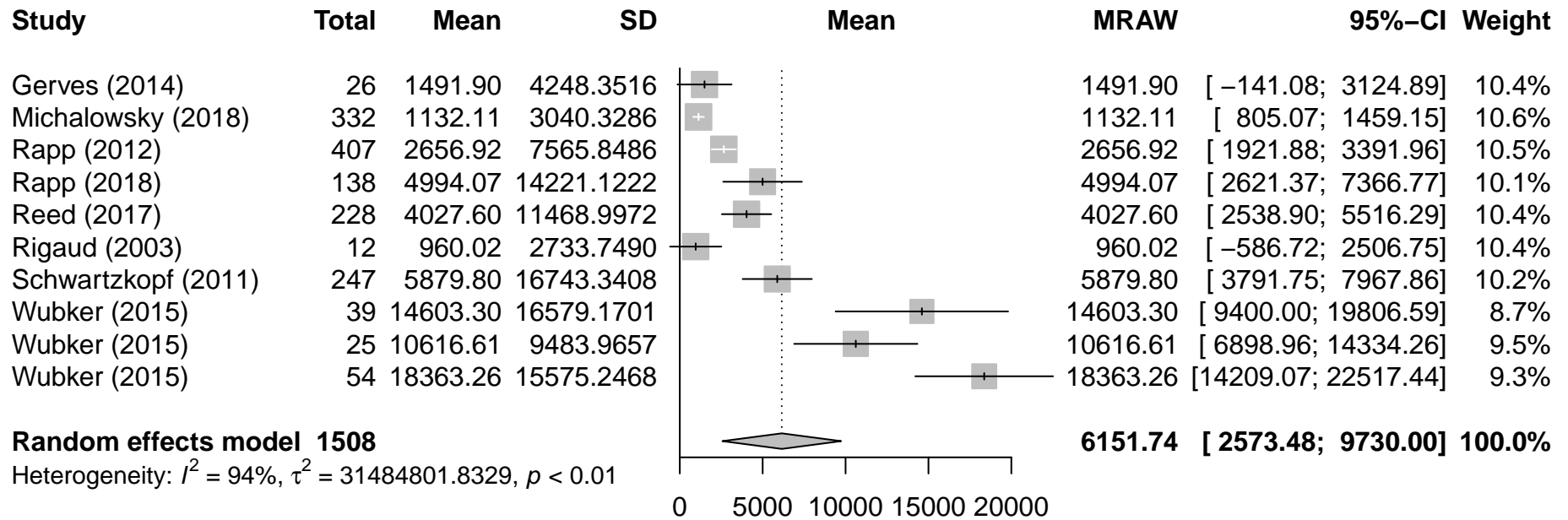
Western Europe, Community, Mild, Pharmaceuticals



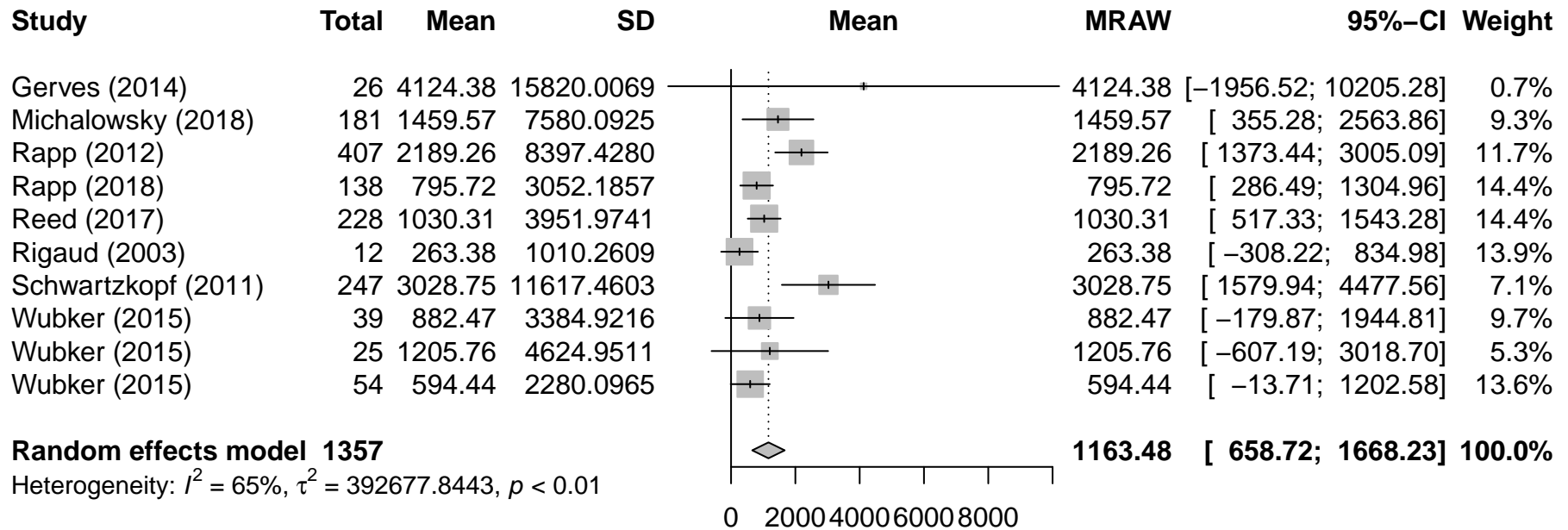
Western Europe, Community, Mild, Institutional care



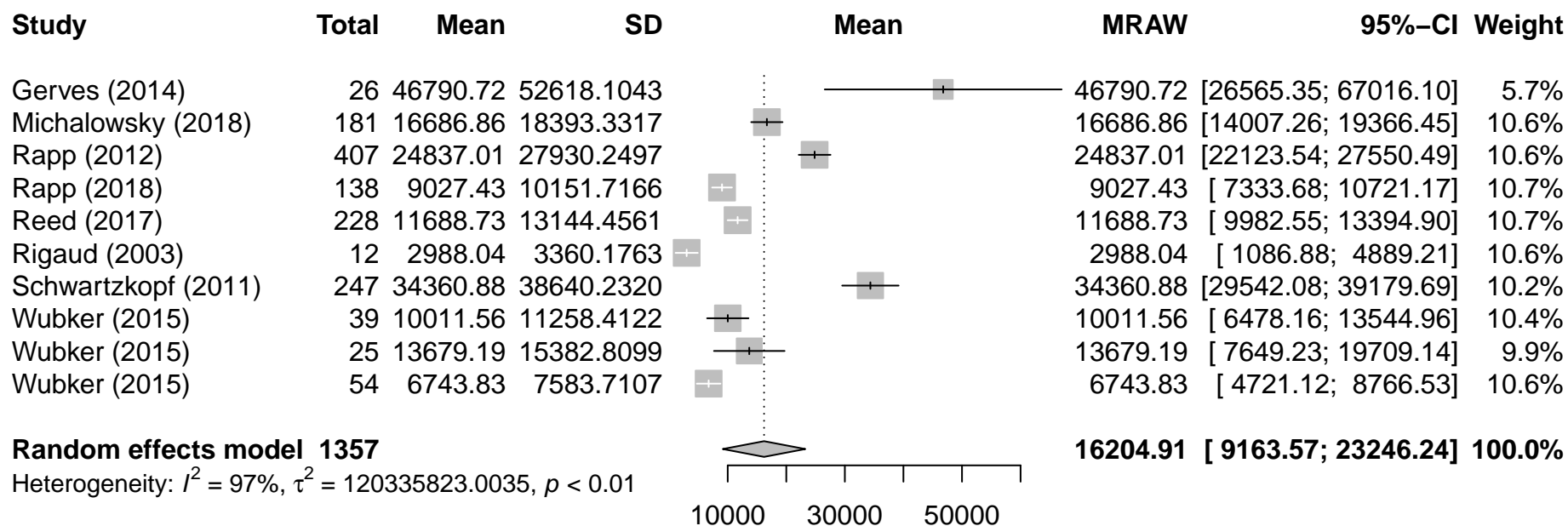
Western Europe, Community, Mild, Community care



Western Europe, Community, Mild, Caregiver work loss



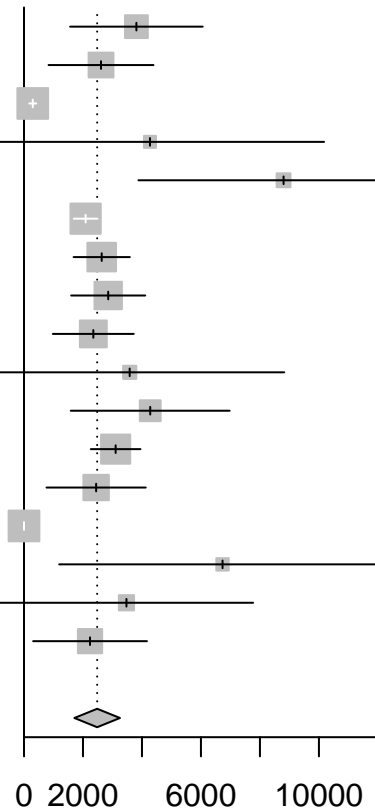
Western Europe, Community, Mild, Caregiver time



Western Europe, Community, Moderate, Inpatient care

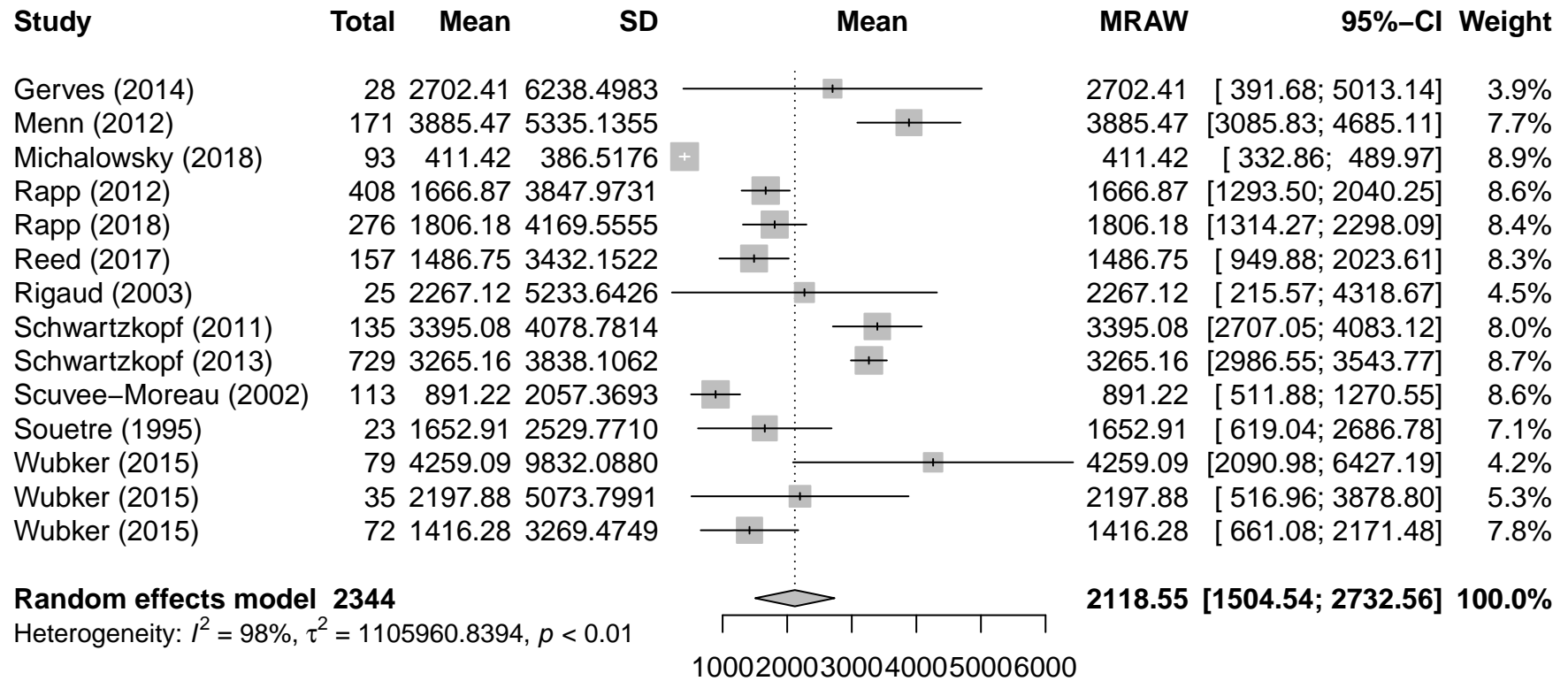
Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Afonso–Argiles (2020)	148	3811.13	13959.6877		3811.13	[ 1562.11; 6060.15]	5.4%
Afonso–Argiles (2020)	106	2610.99	9343.6028		2610.99	[ 832.27; 4389.72]	6.4%
Afonso–Argiles (2020)	164	296.88	784.7645		296.88	[ 176.77; 416.98]	9.8%
Gerves (2014)	28	4271.66	15937.9030		4271.66	[−1631.71; 10175.04]	1.5%
Menn (2012)	171	8801.49	32839.0300		8801.49	[ 3879.50; 13723.47]	2.0%
Michalowsky (2018)	93	2089.58	1991.0529		2089.58	[ 1684.92; 2494.24]	9.5%
Rapp (2012)	408	2634.81	9830.6706		2634.81	[ 1680.91; 3588.70]	8.5%
Rapp (2018)	276	2855.00	10652.2385		2855.00	[ 1598.30; 4111.71]	7.8%
Reed (2017)	157	2350.08	8768.3454		2350.08	[ 978.52; 3721.65]	7.5%
Rigaud (2003)	25	3583.61	13370.7317		3583.61	[−1657.62; 8824.84]	1.8%
Schwartzkopf (2011)	135	4279.97	15968.8898		4279.97	[ 1586.23; 6973.71]	4.5%
Schwartzkopf (2013)	729	3107.54	11594.4759		3107.54	[ 2265.88; 3949.20]	8.8%
Scuvee–Moreau (2002)	113	2445.99	9126.1802		2445.99	[ 763.32; 4128.66]	6.7%
Souetre (1995)	23	0.00	1.0000		0.00	[ −0.41; 0.41]	9.8%
Wubker (2015)	79	6732.29	25118.6837		6732.29	[ 1193.29; 12271.29]	1.6%
Wubker (2015)	35	3474.16	12962.3692		3474.16	[ −820.20; 7768.52]	2.4%
Wubker (2015)	72	2238.69	8352.7432		2238.69	[ 309.34; 4168.04]	6.1%
<b>Random effects model</b>	<b>2762</b>				<b>2480.84</b>	<b>[ 1708.12; 3253.55]</b>	<b>100.0%</b>

Heterogeneity:  $I^2 = 95\%$ ,  $\tau^2 = 1586320.2169$ ,  $p < 0.01$

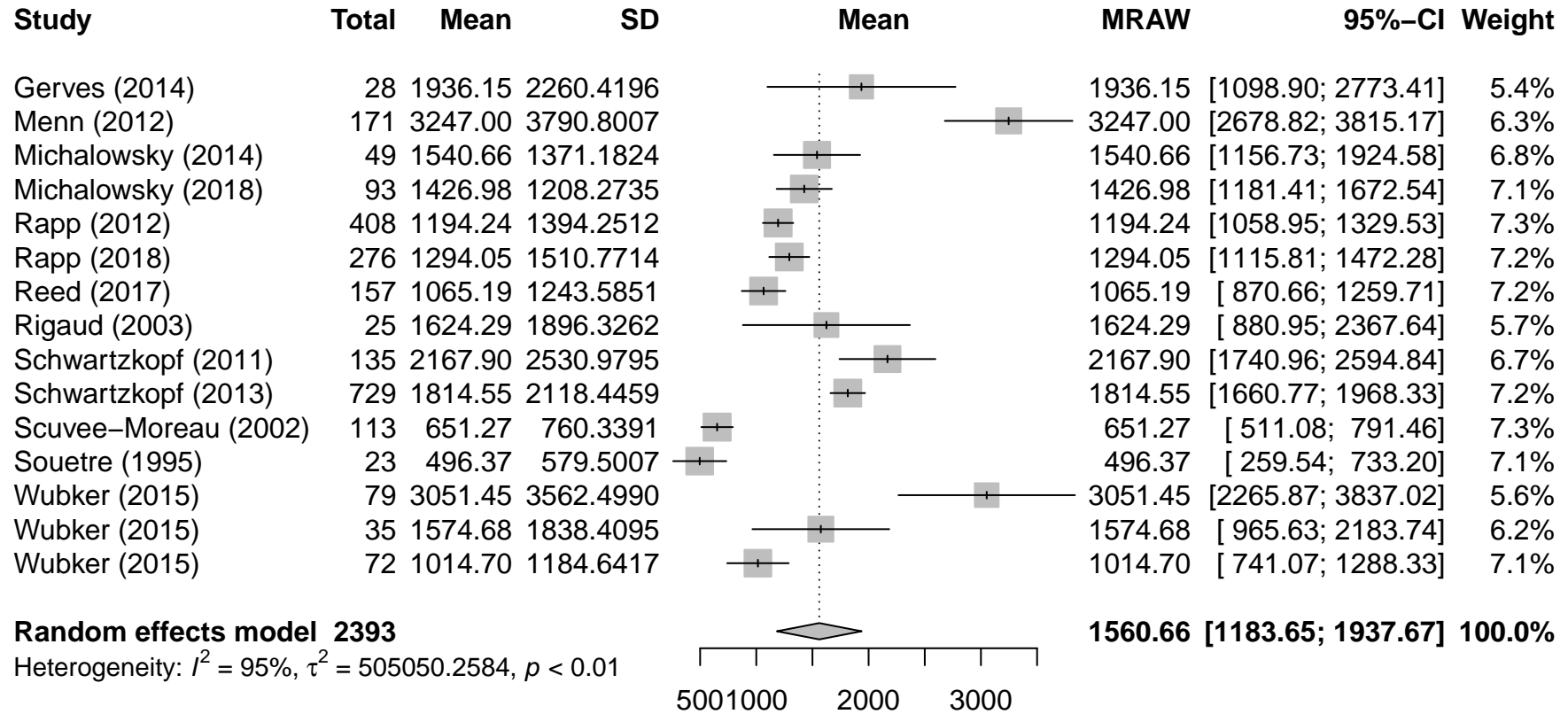




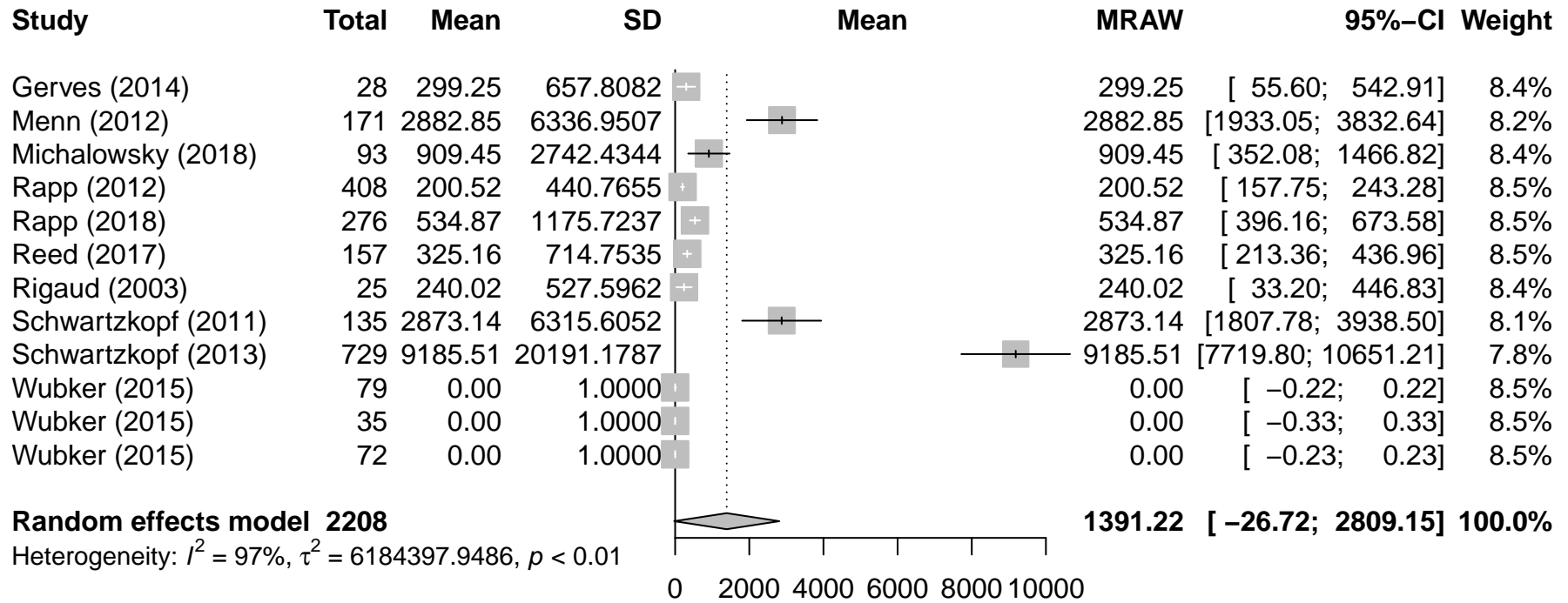
Western Europe, Community, Moderate, Outpatient care



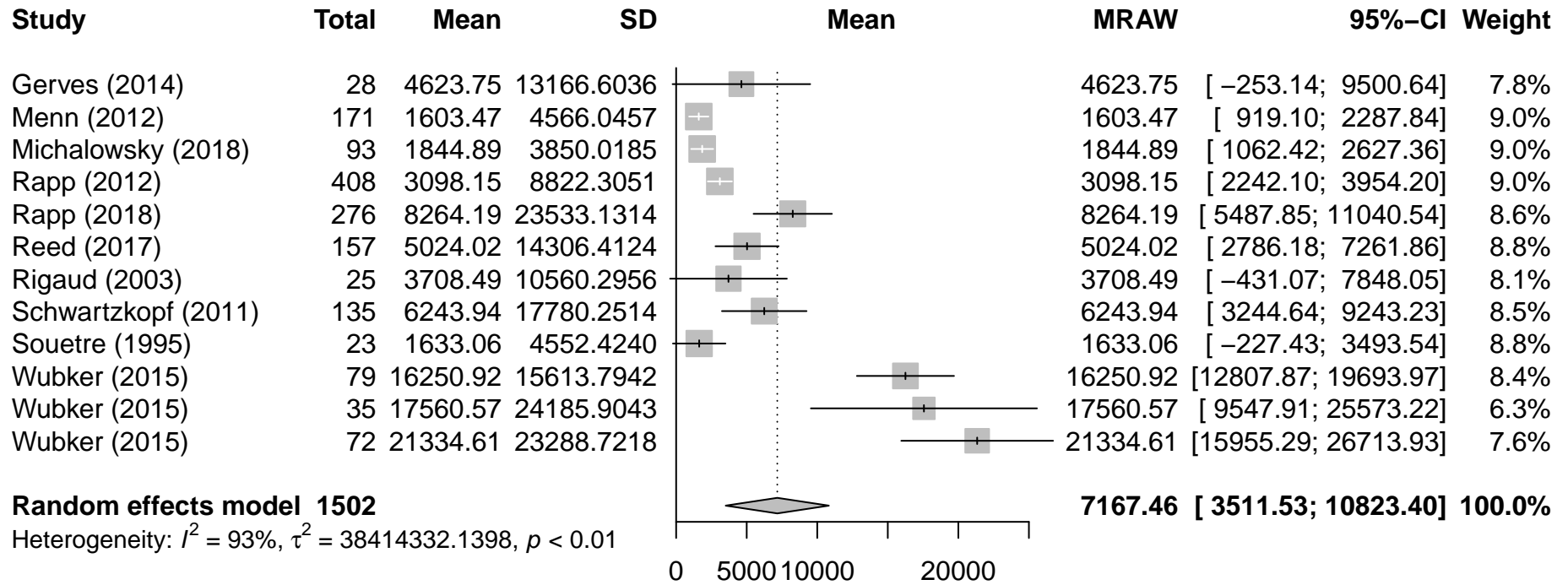
Western Europe, Community, Moderate, Pharmaceuticals



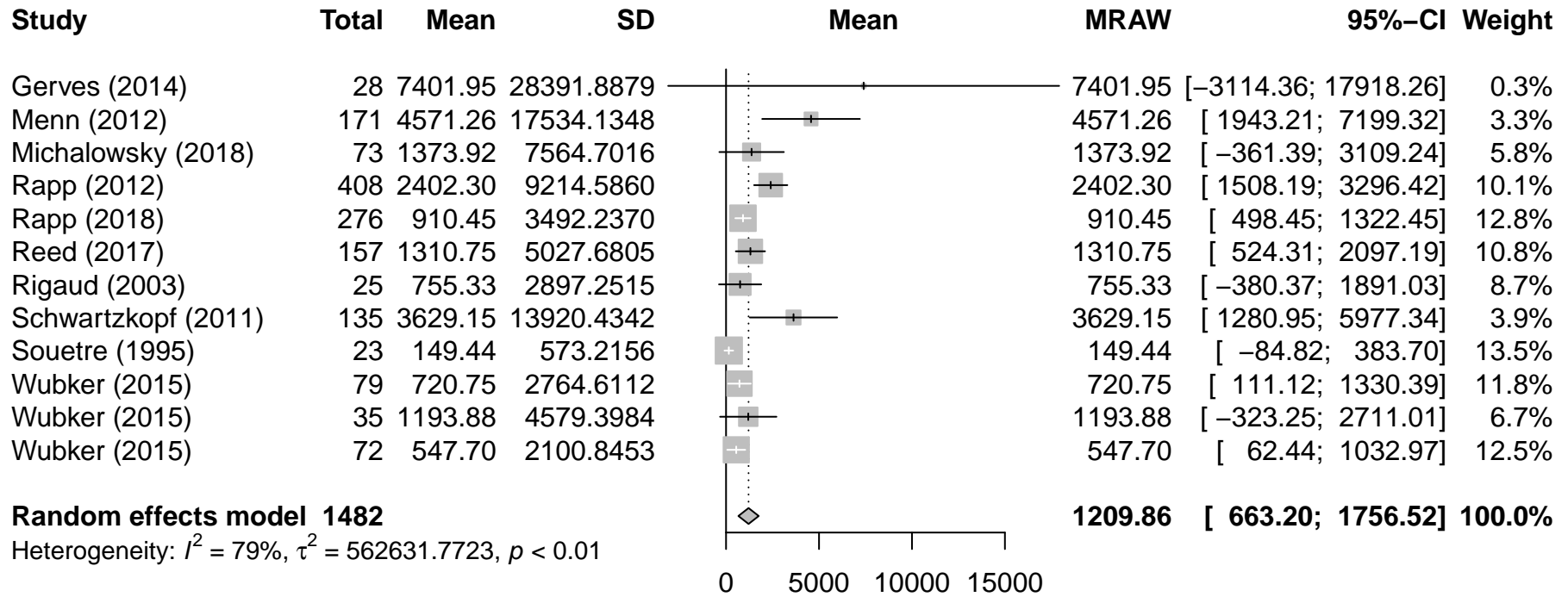
Western Europe, Community, Moderate, Institutional care



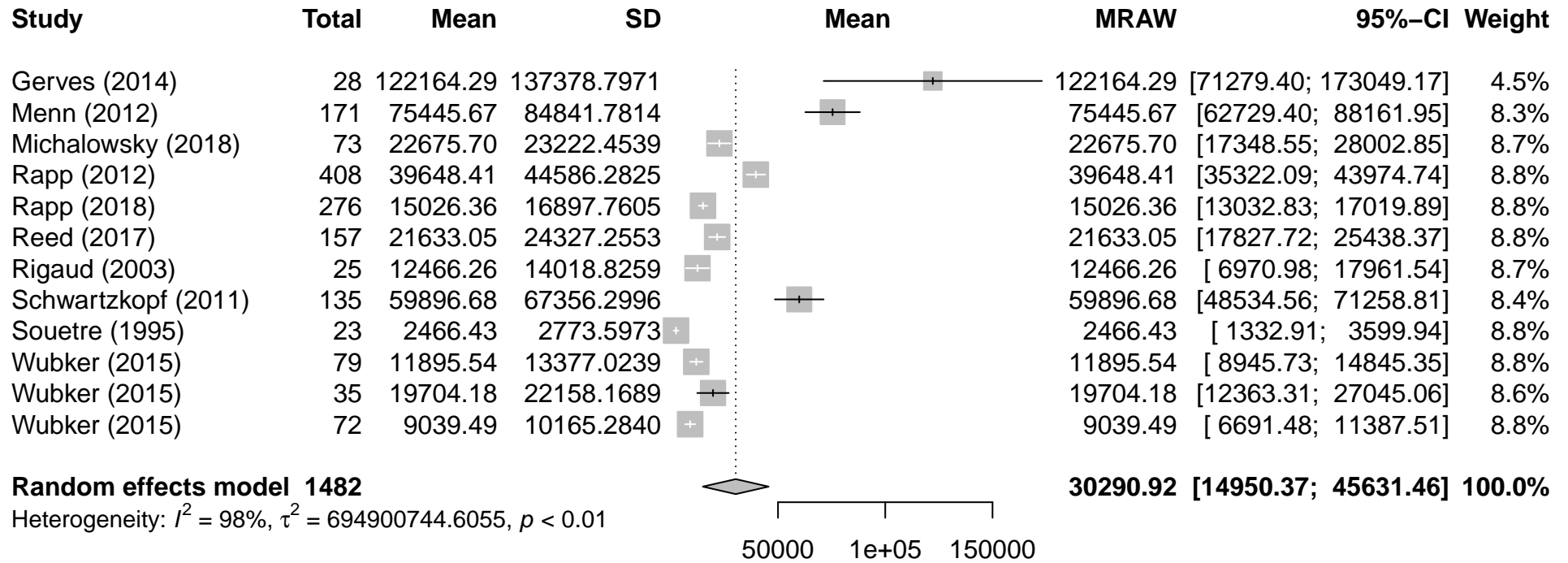
Western Europe, Community, Moderate, Community care



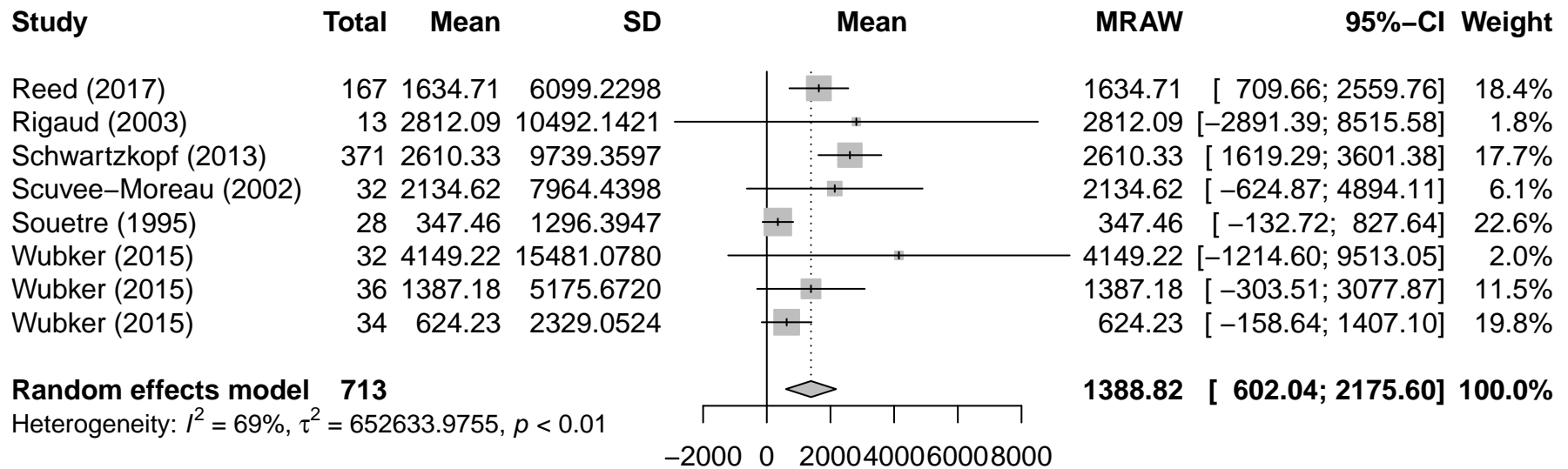
Western Europe, Community, Moderate, Caregiver work loss



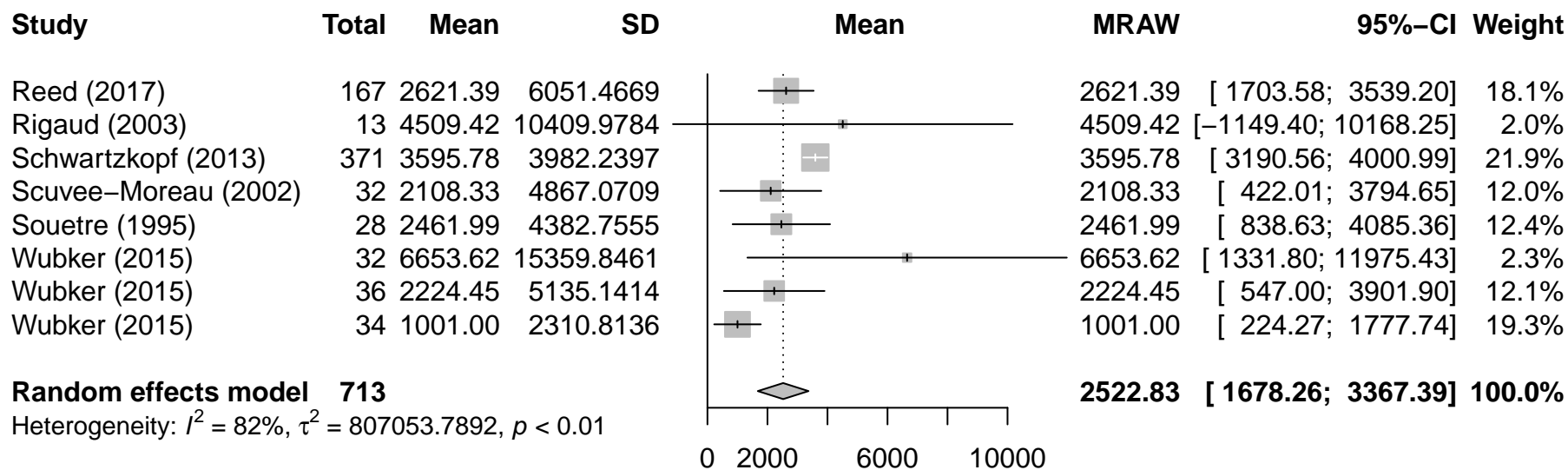
Western Europe, Community, Moderate, Caregiver time



Western Europe, Community, Severe, Inpatient care

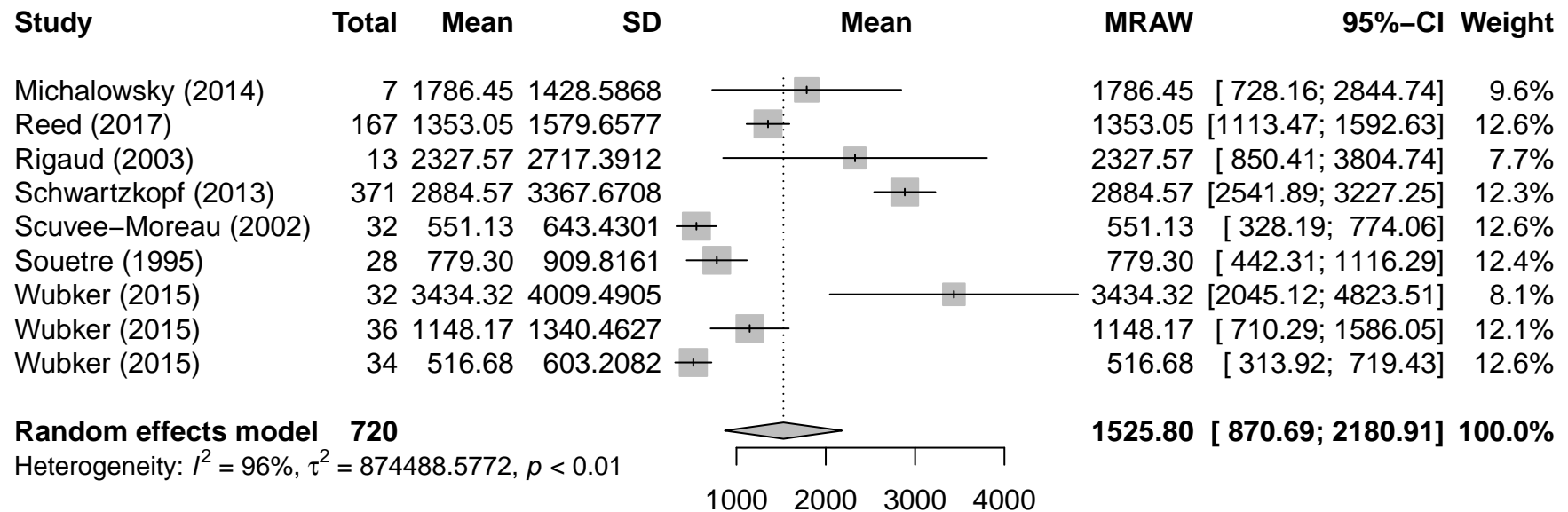


Western Europe, Community, Severe, Outpatient care

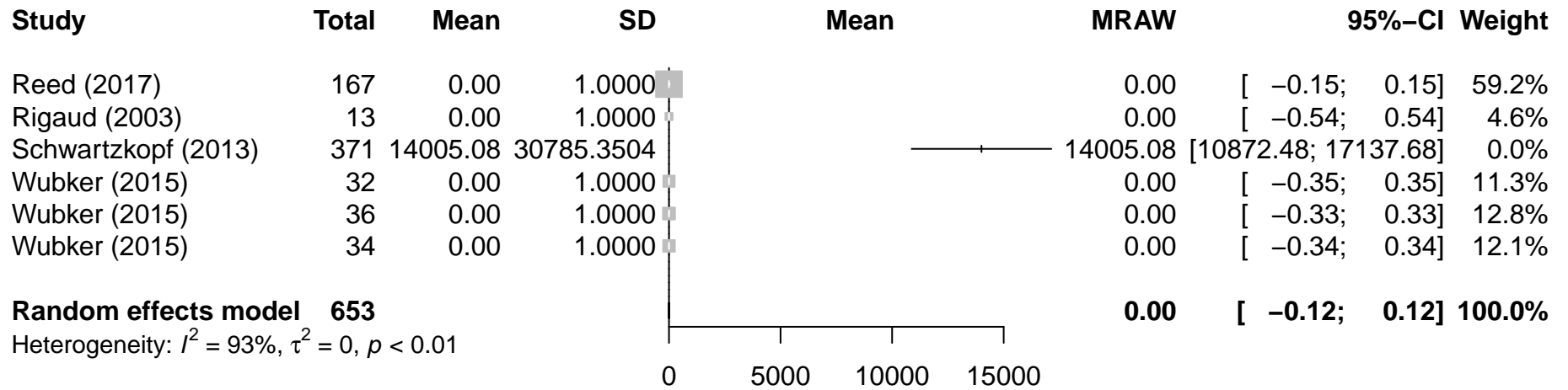




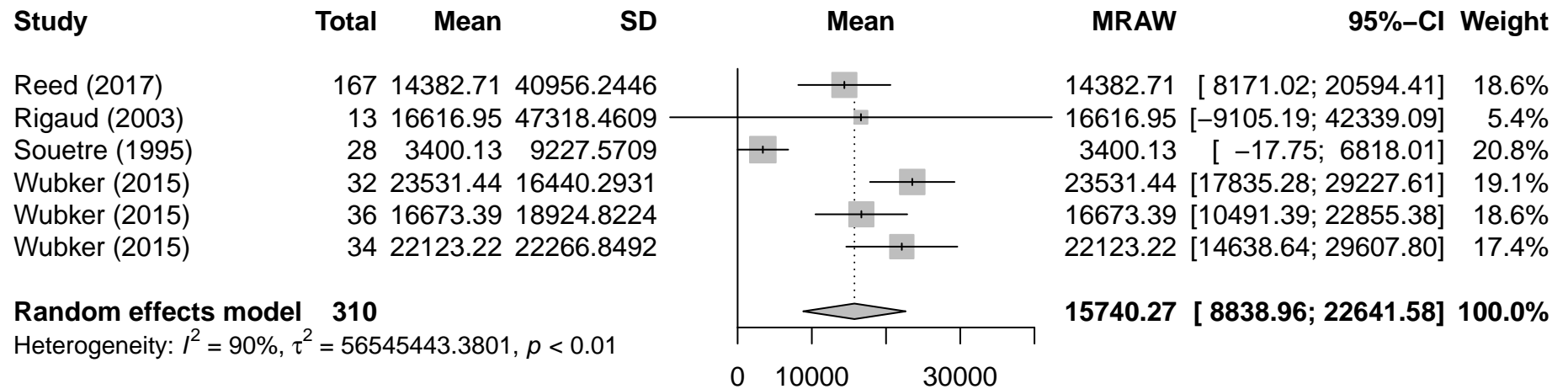
Western Europe, Community, Severe, Pharmaceuticals



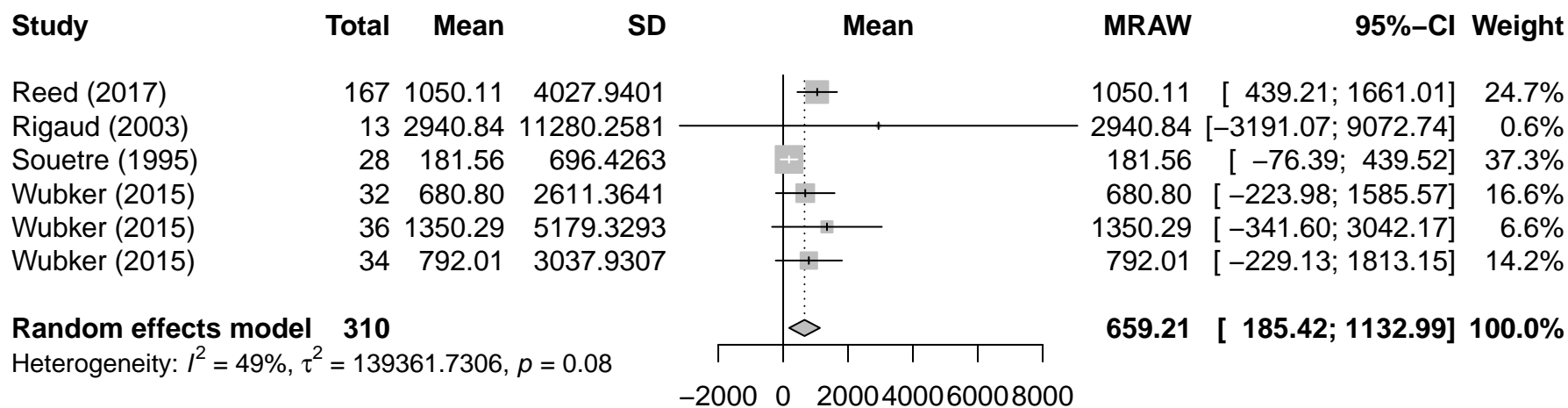
Western Europe, Community, Severe, Institutional care



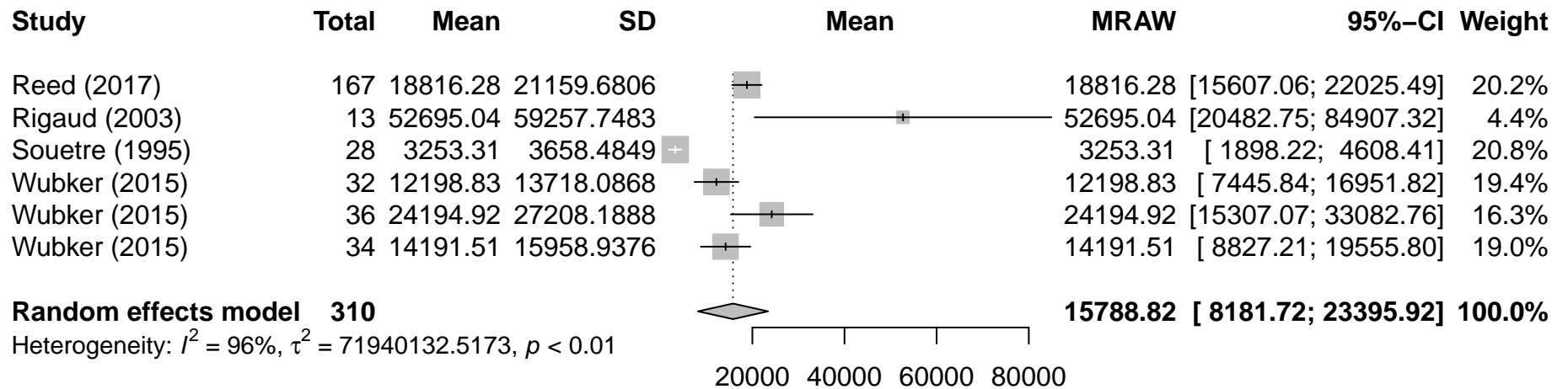
Western Europe, Community, Severe, Community care



Western Europe, Community, Severe, Caregiver work loss



Western Europe, Community, Severe, Caregiver time

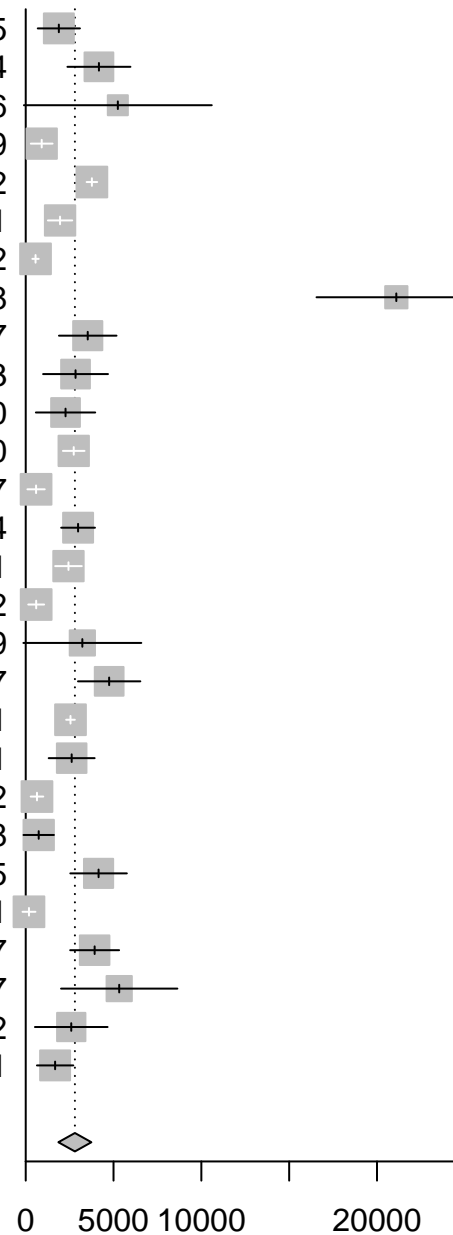


Western Europe, Community, All, Inpatient care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Dodel (2015)	419	1887.02	12552.6275		1887.02	[ 685.10; 3088.94]	3.8%
Dodel (2015)	552	4168.35	21518.0544		4168.35	[ 2373.28; 5963.42]	3.5%
Graff (2008)	65	5245.11	21996.2966		5245.11	[ -102.27; 10592.49]	1.7%
Gustavsson (2010)	490	909.84	7011.9829		909.84	[ 288.98; 1530.69]	3.9%
Handels (2013)	219	3768.36	2276.1902		3768.36	[ 3466.90; 4069.82]	4.0%
Handels (2018)	54	1955.32	2599.9261		1955.32	[ 1261.88; 2648.77]	3.9%
Handels (2018)	51	559.75	662.7342		559.75	[ 377.86; 741.63]	4.0%
Joling (2015)	192	21099.45	32117.3968		21099.45	[16556.50; 25642.40]	2.1%
König (2014)	128	3531.03	9461.8107		3531.03	[ 1891.89; 5170.18]	3.6%
MacNeil Vroomen (2016)	73	2836.99	8056.3473		2836.99	[ 988.89; 4685.08]	3.5%
Meeuwssen (2013)	77	2267.77	7565.0450		2267.77	[ 578.05; 3957.49]	3.5%
Michalowsky (2018)	425	2733.77	6483.1020		2733.77	[ 2117.41; 3350.14]	3.9%
Mostardt (2012)	76	590.13	2201.8137		590.13	[ 95.11; 1085.15]	4.0%
Paraponaris (2015)	513	2981.72	11125.0144		2981.72	[ 2019.02; 3944.41]	3.8%
Reed (2017)	550	2434.71	9084.0801		2434.71	[ 1675.52; 3193.89]	3.9%
Reese (2011)	272	596.47	3817.3932		596.47	[ 142.81; 1050.13]	4.0%
Rigaud (2003)	50	3224.54	12111.6589		3224.54	[ -132.58; 6581.66]	2.7%
Schwartzkopf (2011)	383	4750.93	17726.1017		4750.93	[ 2975.67; 6526.19]	3.5%
Schwartzkopf (2013)	5584	2550.11	9514.6421		2550.11	[ 2300.55; 2799.66]	4.0%
Scuvee-Moreau (2002)	218	2616.76	9858.3811		2616.76	[ 1308.10; 3925.41]	3.7%
Steinbeisser (2020)	171	641.84	2394.7542		641.84	[ 282.91; 1000.77]	4.0%
van Santen (2021)	39	740.07	2761.2668		740.07	[ -126.54; 1606.68]	3.9%
Vandepitte (2020)	355	4148.41	15478.0425		4148.41	[ 2538.32; 5758.50]	3.6%
Vroomen (2016)	73	186.59	1609.2641		186.59	[ -182.57; 555.75]	4.0%
Wohlgemuth (2020)	424	3923.98	14640.6667		3923.98	[ 2530.42; 5317.54]	3.7%
Wubker (2015)	150	5323.20	20696.2037		5323.20	[ 2011.17; 8635.22]	2.7%
Wubker (2015)	96	2592.99	10341.1782		2592.99	[ 524.36; 4661.61]	3.4%
Wubker (2015)	160	1673.77	6684.1511		1673.77	[ 638.06; 2709.47]	3.8%

**Random effects model 11859**

Heterogeneity:  $I^2 = 96\%$ ,  $\tau^2 = 5745662.3899$ ,  $p < 0.01$



**2800.43 [ 1859.89; 3740.98] 100.0%**

Western Europe, Community, All, Outpatient care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Dodel (2015)	419	1957.43	4478.7097		1957.43	[1528.59; 2386.27]	3.9%
Dodel (2015)	552	2027.84	5661.1354		2027.84	[1555.58; 2500.11]	3.8%
Graff (2008)	65	1042.61	1944.8593		1042.61	[ 569.80; 1515.41]	3.8%
Handels (2013)	219	2077.51	638.8022		2077.51	[1992.91; 2162.12]	4.0%
Handels (2018)	54	1569.89	661.6518		1569.89	[1393.42; 1746.36]	4.0%
Handels (2018)	51	1330.62	502.9679		1330.62	[1192.58; 1468.66]	4.0%
Joling (2015)	192	1251.39	1371.9732		1251.39	[1057.33; 1445.45]	4.0%
König (2014)	128	1956.70	2051.4735		1956.70	[1601.30; 2312.09]	3.9%
MacNeil Vroomen (2016)	73	638.40	696.8465		638.40	[ 478.54; 798.25]	4.0%
Meeuwesen (2013)	77	1506.68	1135.3728		1506.68	[1253.08; 1760.27]	3.9%
Michalowsky (2018)	425	494.79	410.3366		494.79	[ 455.77; 533.80]	4.0%
Mostardt (2012)	76	317.99	526.2105		317.99	[ 199.68; 436.29]	4.0%
Paraponaris (2015)	513	789.89	1823.4468		789.89	[ 632.09; 947.68]	4.0%
Reed (2017)	550	644.98	1488.9272		644.98	[ 520.54; 769.41]	4.0%
Reese (2011)	272	582.15	684.0254		582.15	[ 500.86; 663.44]	4.0%
Rigaud (2003)	50	2596.10	6723.6603		2596.10	[ 732.44; 4459.77]	2.4%
Schwartzkopf (2011)	383	2959.32	3541.5820		2959.32	[2604.63; 3314.01]	3.9%
Schwartzkopf (2013)	5584	2787.18	3062.3039		2787.18	[2706.86; 2867.50]	4.0%
Scuvee-Moreau (2002)	218	1047.10	2659.9317		1047.10	[ 694.00; 1400.19]	3.9%
Steinbeisser (2020)	171	170.03	392.5125		170.03	[ 111.20; 228.86]	4.0%
van Santen (2021)	39	196.05	452.5858		196.05	[ 54.01; 338.09]	4.0%
Vandepitte (2020)	355	7900.54	18238.3633		7900.54	[6003.31; 9797.77]	2.4%
Vroomen (2016)	73	3475.38	8086.4285		3475.38	[1620.38; 5330.38]	2.4%
Wohlgemuth (2020)	424	1039.50	2399.6802		1039.50	[ 811.09; 1267.91]	3.9%
Wubker (2015)	150	4031.53	10358.6839		4031.53	[2373.83; 5689.23]	2.7%
Wubker (2015)	96	1968.82	4659.9627		1968.82	[1036.65; 2900.99]	3.4%
Wubker (2015)	160	1070.71	2612.9175		1070.71	[ 665.85; 1475.58]	3.9%

Random effects model 11369

Heterogeneity:  $I^2 = 99\%$ ,  $\tau^2 = 1420525.2984$ ,  $p = 0$

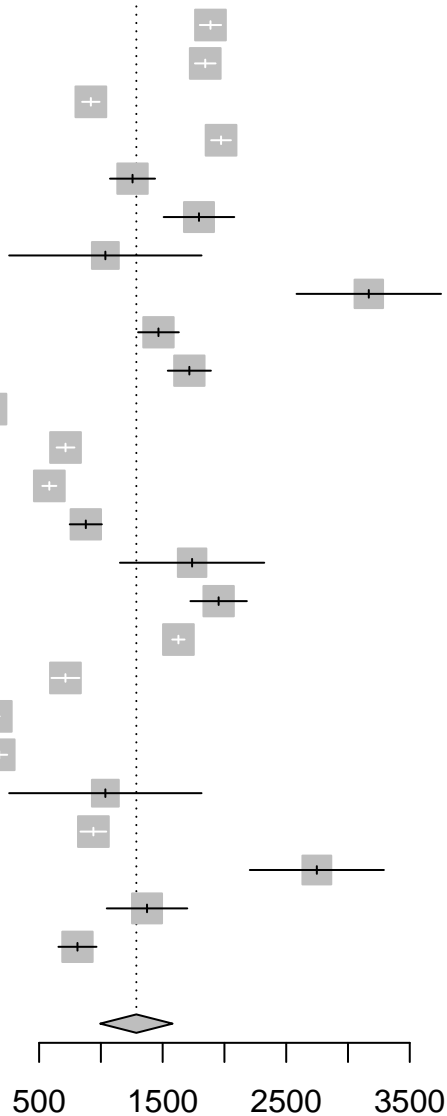


Western Europe, Community, All, Pharmaceuticals

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Dodel (2015)	419	1887.02	901.2641		1887.02	[1800.73; 1973.32]	4.2%
Dodel (2015)	552	1844.78	999.8399		1844.78	[1761.37; 1928.18]	4.2%
Gustavsson (2010)	490	918.81	795.9939		918.81	[ 848.33; 989.29]	4.2%
Handels (2013)	219	1972.66	603.6852		1972.66	[1892.70; 2052.61]	4.2%
Joling (2015)	192	1256.16	1289.3242		1256.16	[1073.79; 1438.53]	4.1%
König (2014)	128	1794.04	1648.3822		1794.04	[1508.48; 2079.60]	4.0%
MacNeil Vroomen (2016)	73	1036.22	3393.9932		1036.22	[ 257.65; 1814.79]	3.2%
Meeuwssen (2013)	77	3168.44	2616.8926		3168.44	[2583.93; 3752.94]	3.6%
Michalowsky (2014)	205	1466.03	1204.3182		1466.03	[1301.17; 1630.89]	4.1%
Michalowsky (2018)	425	1716.05	1835.1466		1716.05	[1541.58; 1890.52]	4.1%
Mostardt (2012)	76	110.50	129.0006		110.50	[ 81.49; 139.50]	4.2%
Paraponaris (2015)	513	713.75	833.2899		713.75	[ 641.64; 785.86]	4.2%
Reed (2017)	550	582.81	680.4191		582.81	[ 525.95; 639.68]	4.2%
Reese (2011)	272	878.00	1092.7288		878.00	[ 748.14; 1007.86]	4.1%
Rigaud (2003)	50	1738.30	2106.7535		1738.30	[1154.35; 2322.25]	3.6%
Schwartzkopf (2011)	383	1953.05	2280.1489		1953.05	[1724.70; 2181.41]	4.1%
Schwartzkopf (2013)	5584	1627.45	1900.0186		1627.45	[1577.62; 1677.29]	4.2%
Scuvee-Moreau (2002)	218	713.14	853.8116		713.14	[ 599.80; 826.48]	4.2%
Steinbeisser (2020)	171	153.64	179.3728		153.64	[ 126.76; 180.53]	4.2%
van Santen (2021)	39	177.16	206.8254		177.16	[ 112.24; 242.07]	4.2%
Vroomen (2016)	73	1036.22	3393.9932		1036.22	[ 257.65; 1814.79]	3.2%
Wohlgemuth (2020)	424	939.31	1096.6206		939.31	[ 834.93; 1043.69]	4.2%
Wubker (2015)	150	2748.01	3390.7379		2748.01	[2205.39; 3290.63]	3.7%
Wubker (2015)	96	1373.50	1628.5896		1373.50	[1047.72; 1699.28]	4.0%
Wubker (2015)	160	810.58	994.6302		810.58	[ 656.47; 964.70]	4.1%

Random effects model 11539

Heterogeneity:  $I^2 = 100\%$ ,  $\tau^2 = 534155.8042$ ,  $p = 0$



1287.20 [ 994.34; 1580.05] 100.0%

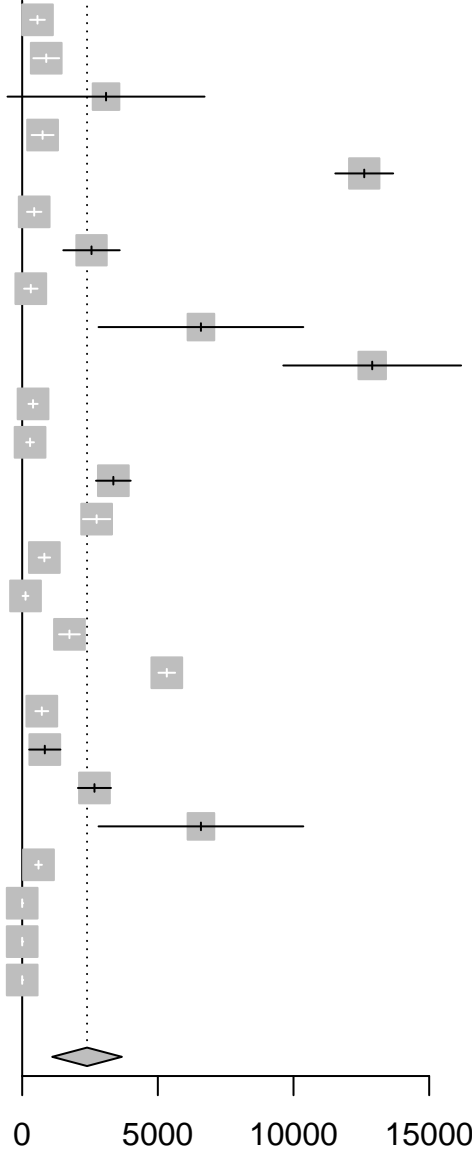


Western Europe, Community, All, Institutional care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Dodel (2015)	419	563.29	2844.6149		563.29	[ 290.92; 835.66]	4.0%
Dodel (2015)	552	887.18	5717.3943		887.18	[ 410.23; 1364.14]	4.0%
Graff (2008)	65	3090.39	14938.6852		3090.39	[ -541.26; 6722.04]	3.0%
Gustavsson (2010)	490	752.22	4580.5833		752.22	[ 346.64; 1157.79]	4.0%
Handels (2013)	219	12606.64	8054.9451		12606.64	[11539.83; 13673.46]	3.9%
Handels (2018)	54	442.82	996.5369		442.82	[ 177.02; 708.61]	4.0%
Handels (2018)	51	2555.13	3789.0248		2555.13	[ 1515.23; 3595.03]	3.9%
König (2014)	128	318.02	1434.7480		318.02	[ 69.47; 566.58]	4.0%
MacNeil Vroomen (2016)	73	6587.56	16448.5845		6587.56	[ 2814.31; 10360.81]	3.0%
Meeuwssen (2013)	77	12900.40	14670.8625		12900.40	[ 9623.54; 16177.27]	3.2%
Michalowsky (2018)	425	400.59	1778.8471		400.59	[ 231.47; 569.71]	4.0%
Mostardt (2012)	76	290.24	637.9983		290.24	[ 146.81; 433.68]	4.0%
Paraponaris (2015)	513	3360.01	7385.8263		3360.01	[ 2720.88; 3999.14]	4.0%
Reed (2017)	550	2743.60	6030.8630		2743.60	[ 2239.58; 3247.62]	4.0%
Reese (2011)	272	816.61	1795.0371		816.61	[ 603.29; 1029.93]	4.0%
Rigaud (2003)	50	122.56	391.3066		122.56	[ 14.09; 231.02]	4.0%
Schwartzkopf (2011)	383	1741.85	3828.8523		1741.85	[ 1358.39; 2125.30]	4.0%
Schwartzkopf (2013)	5584	5329.59	11715.2779		5329.59	[ 5022.32; 5636.87]	4.0%
Steinbeisser (2020)	171	723.27	1589.8621		723.27	[ 484.98; 961.56]	4.0%
van Santen (2021)	39	833.97	1833.1875		833.97	[ 258.63; 1409.30]	4.0%
Vandepitte (2020)	355	2663.61	5855.0330		2663.61	[ 2054.55; 3272.68]	4.0%
Vroomen (2016)	73	6587.56	16448.5845		6587.56	[ 2814.31; 10360.81]	3.0%
Wohlgemuth (2020)	424	601.47	1322.1332		601.47	[ 475.63; 727.32]	4.0%
Wubker (2015)	150	0.00	1.0000		0.00	[ -0.16; 0.16]	4.0%
Wubker (2015)	96	0.00	1.0000		0.00	[ -0.20; 0.20]	4.0%
Wubker (2015)	160	0.00	1.0000		0.00	[ -0.15; 0.15]	4.0%

Random effects model 11449

Heterogeneity:  $I^2 = 99\%$ ,  $\tau^2 = 10677409.4582$ ,  $p = 0$



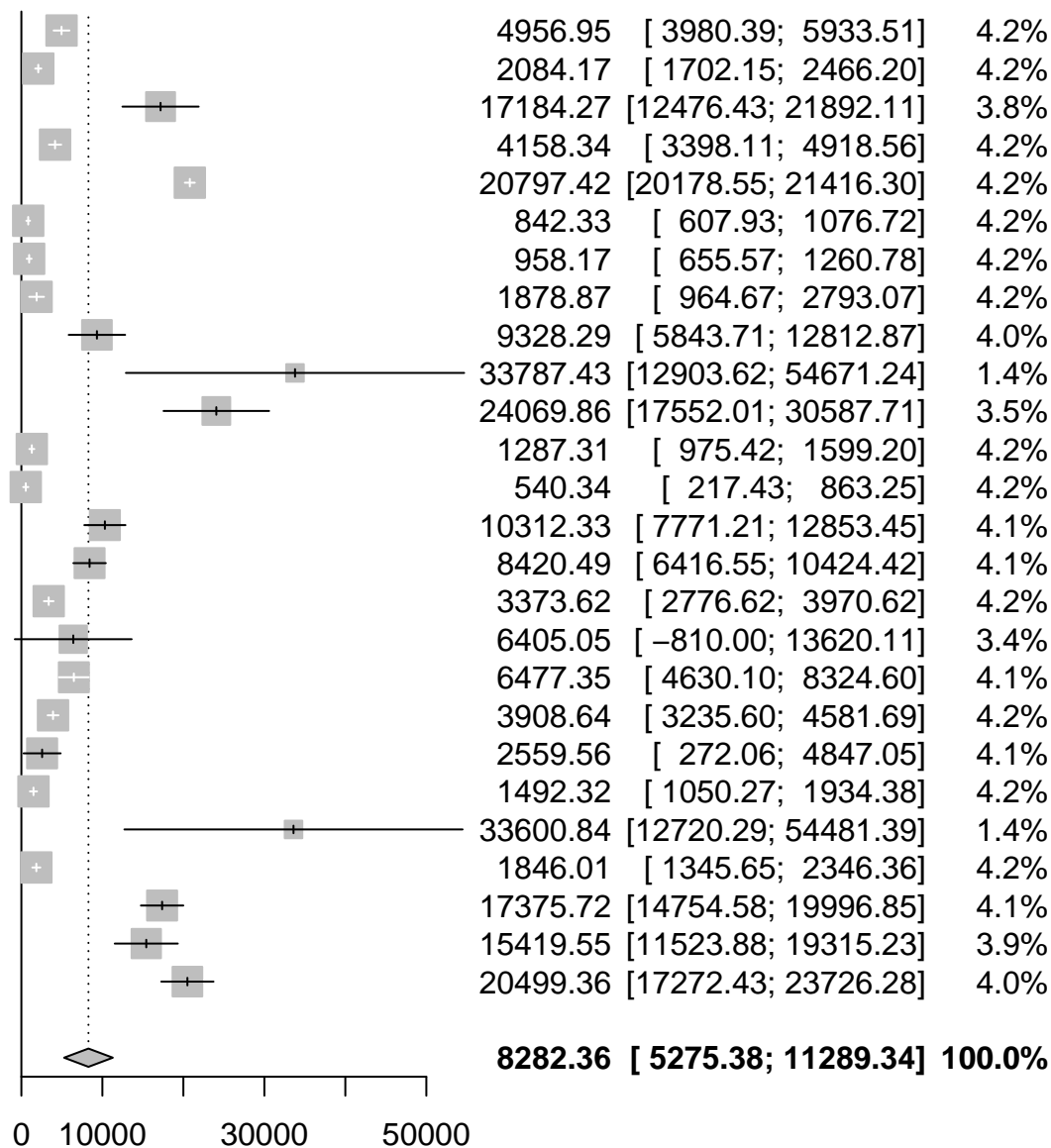
2390.42 [ 1107.57; 3673.28] 100.0%

Western Europe, Community, All, Community care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Dodel (2015)	419	4956.95	10199.0024		4956.95	[ 3980.39; 5933.51]	4.2%
Dodel (2015)	552	2084.17	4579.4176		2084.17	[ 1702.15; 2466.20]	4.2%
Graff (2008)	65	17184.27	19365.5780		17184.27	[12476.43; 21892.11]	3.8%
Gustavsson (2010)	490	4158.34	8586.0043		4158.34	[ 3398.11; 4918.56]	4.2%
Handels (2013)	219	20797.42	4672.8046		20797.42	[20178.55; 21416.30]	4.2%
Handels (2018)	54	842.33	878.8197		842.33	[ 607.93; 1076.72]	4.2%
Handels (2018)	51	958.17	1102.5845		958.17	[ 655.57; 1260.78]	4.2%
Joling (2015)	192	1878.87	6463.1509		1878.87	[ 964.67; 2793.07]	4.2%
König (2014)	128	9328.29	20114.3894		9328.29	[ 5843.71; 12812.87]	4.0%
MacNeil Vroomen (2016)	73	33787.43	91038.0849		33787.43	[12903.62; 54671.24]	1.4%
Meeuwesen (2013)	77	24069.86	29181.0962		24069.86	[17552.01; 30587.71]	3.5%
Michalowsky (2018)	425	1287.31	3280.5275		1287.31	[ 975.42; 1599.20]	4.2%
Mostardt (2012)	76	540.34	1436.2826		540.34	[ 217.43; 863.25]	4.2%
Paraponaris (2015)	513	10312.33	29365.4169		10312.33	[ 7771.21; 12853.45]	4.1%
Reed (2017)	550	8420.49	23978.1980		8420.49	[ 6416.55; 10424.42]	4.1%
Reese (2011)	272	3373.62	5023.5652		3373.62	[ 2776.62; 3970.62]	4.2%
Rigaud (2003)	50	6405.05	26030.1359		6405.05	[ -810.00; 13620.11]	3.4%
Schwartzkopf (2011)	383	6477.35	18444.9132		6477.35	[ 4630.10; 8324.60]	4.1%
Steinbeisser (2020)	171	3908.64	4490.4871		3908.64	[ 3235.60; 4581.69]	4.2%
van Santen (2021)	39	2559.56	7288.5975		2559.56	[ 272.06; 4847.05]	4.1%
Vandepitte (2020)	355	1492.32	4249.5458		1492.32	[ 1050.27; 1934.38]	4.2%
Vroomen (2016)	73	33600.84	91023.8604		33600.84	[12720.29; 54481.39]	1.4%
Wohlgemuth (2020)	424	1846.01	5256.6892		1846.01	[ 1345.65; 2346.36]	4.2%
Wubker (2015)	150	17375.72	16378.9896		17375.72	[14754.58; 19996.85]	4.1%
Wubker (2015)	96	15419.55	19474.6817		15419.55	[11523.88; 19315.23]	3.9%
Wubker (2015)	160	20499.36	20825.7547		20499.36	[17272.43; 23726.28]	4.0%

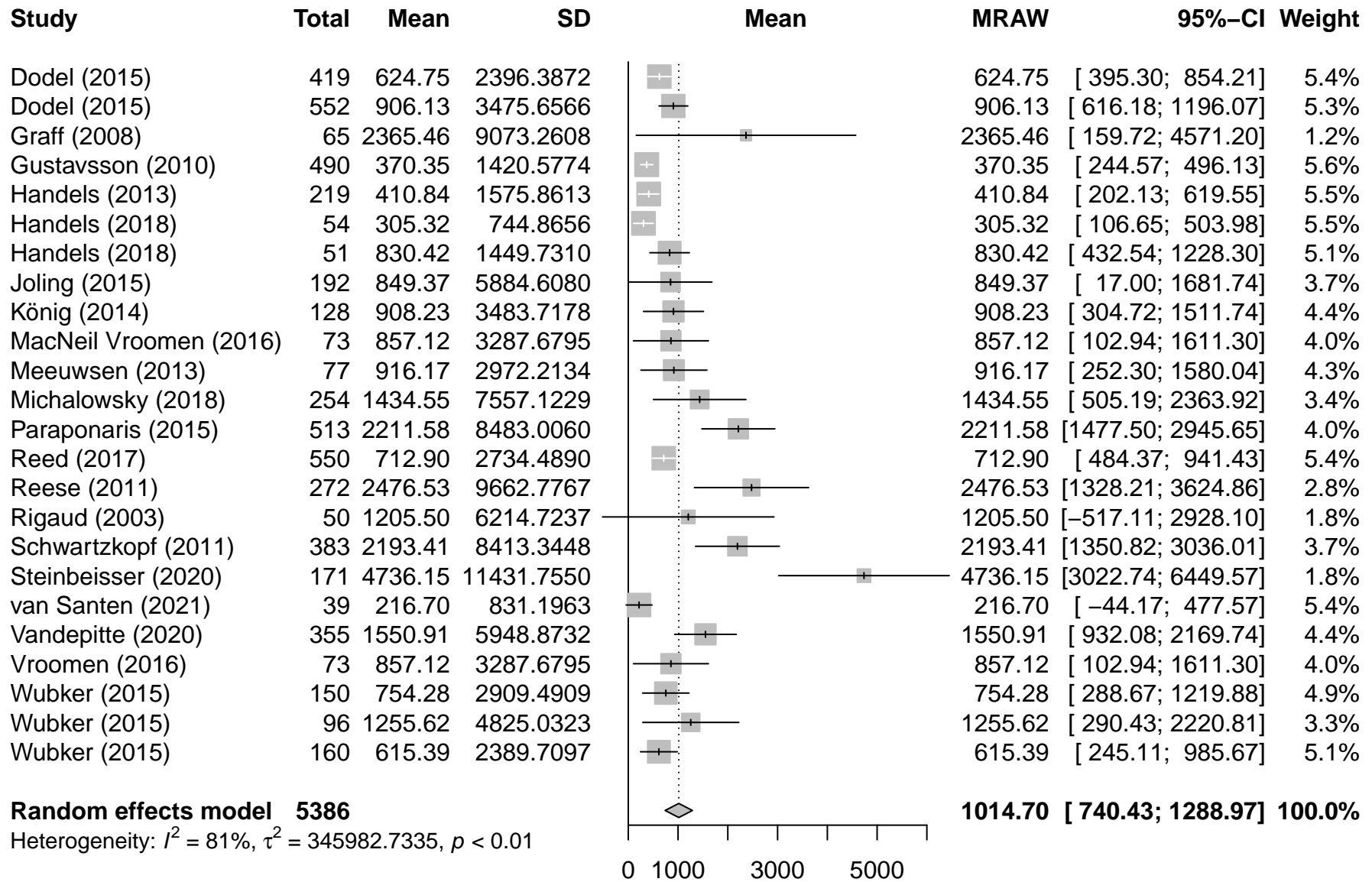
**Random effects model 6057**

Heterogeneity:  $I^2 = 99\%$ ,  $\tau^2 = 56276112.2341$ ,  $p = 0$

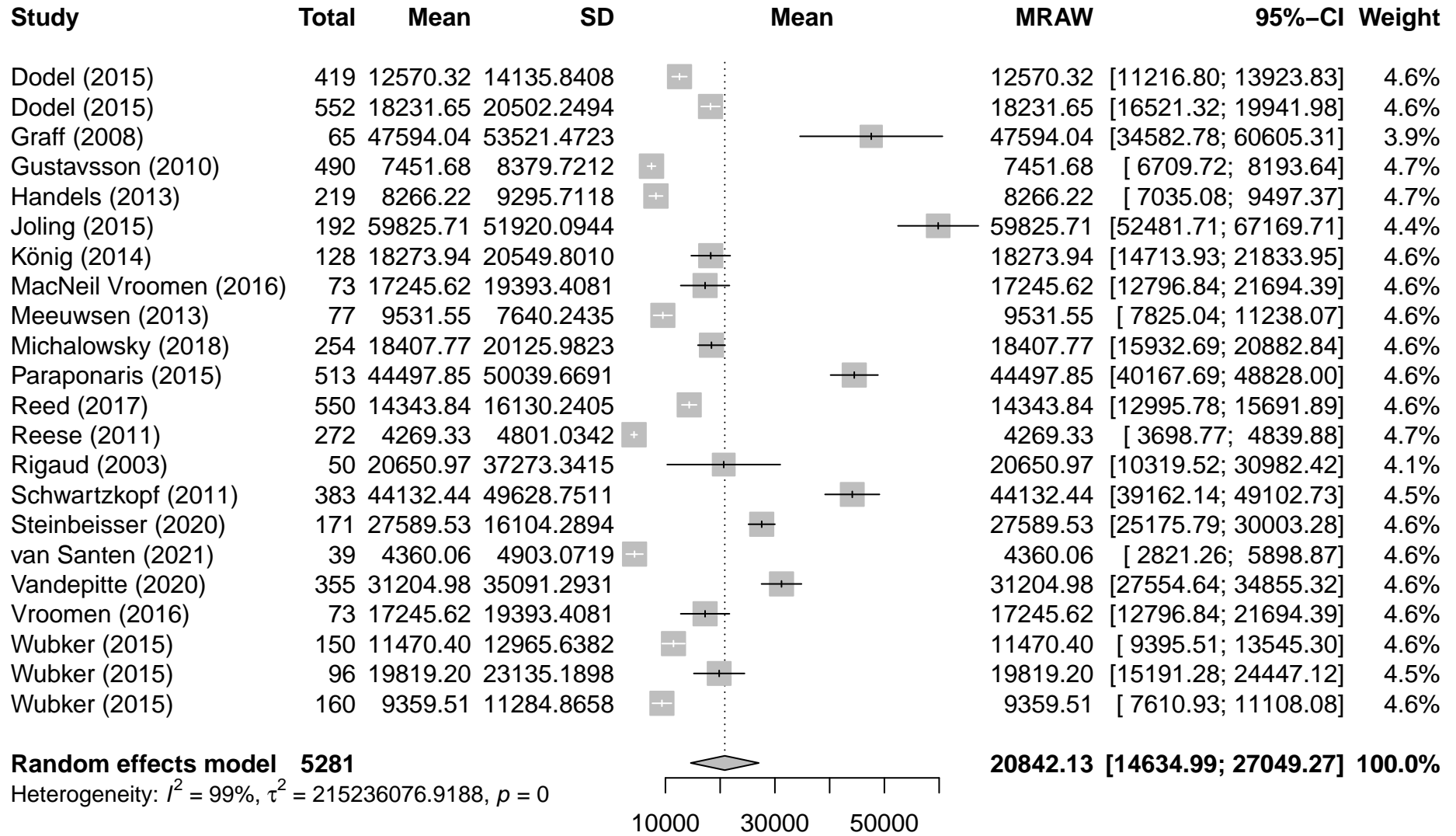


**8282.36 [ 5275.38; 11289.34] 100.0%**

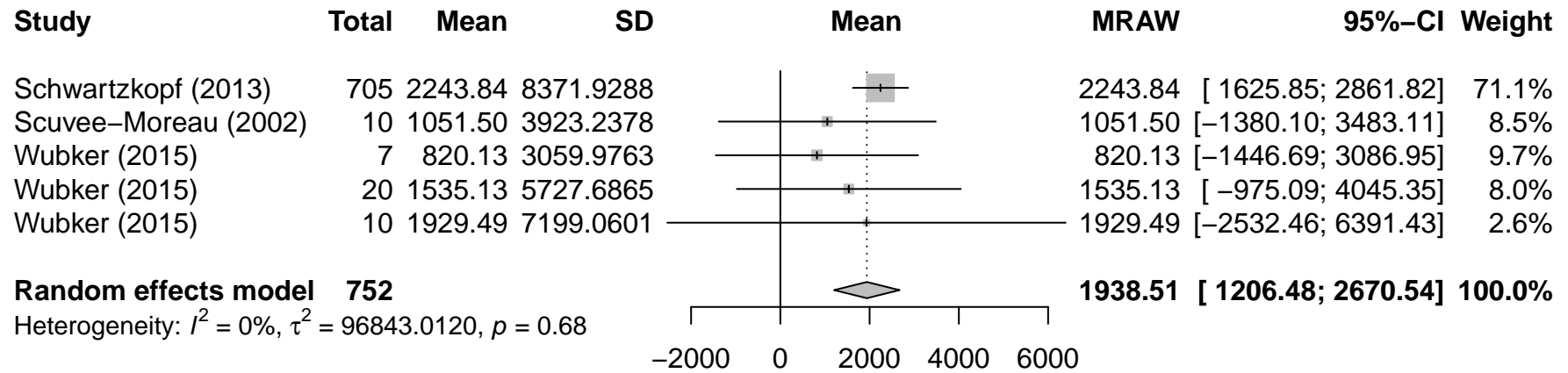
Western Europe, Community, All, Caregiver work loss



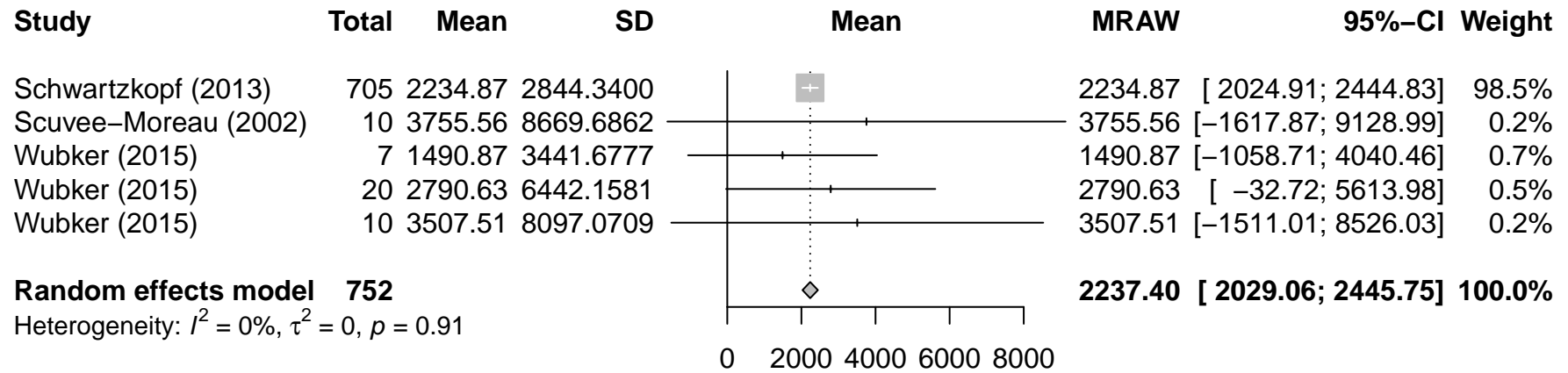
Western Europe, Community, All, Caregiver time



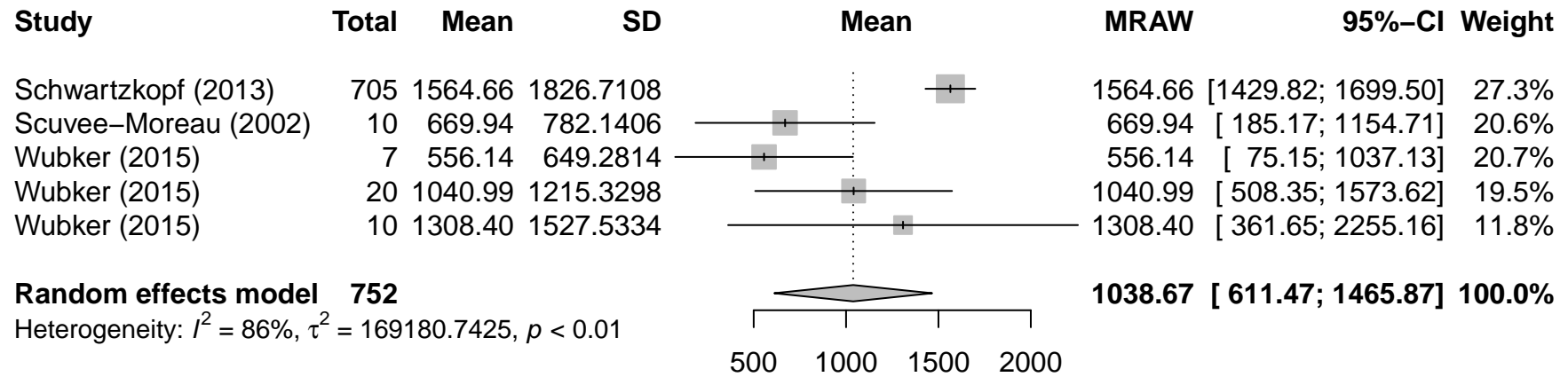
Western Europe, Institution, Mild, Inpatient care



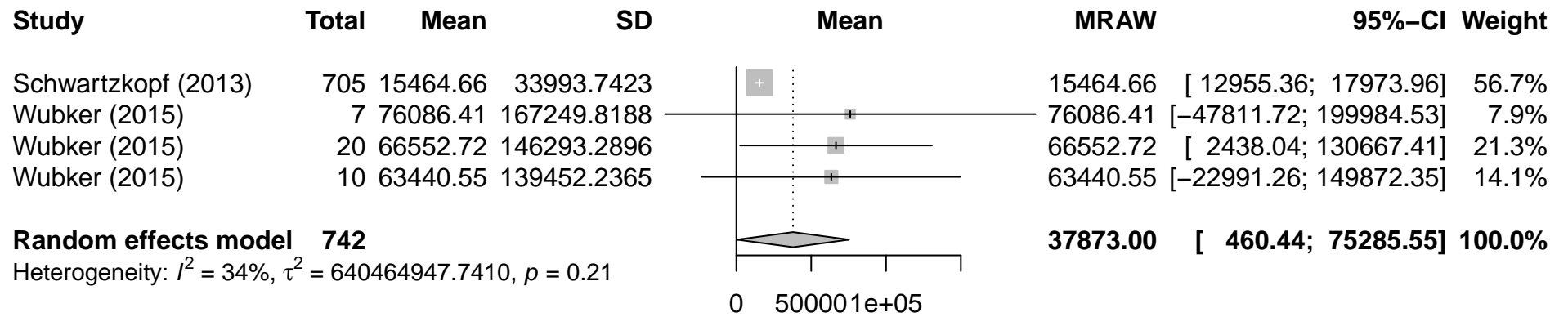
Western Europe, Institution, Mild, Outpatient care



Western Europe, Institution, Mild, Pharmaceuticals

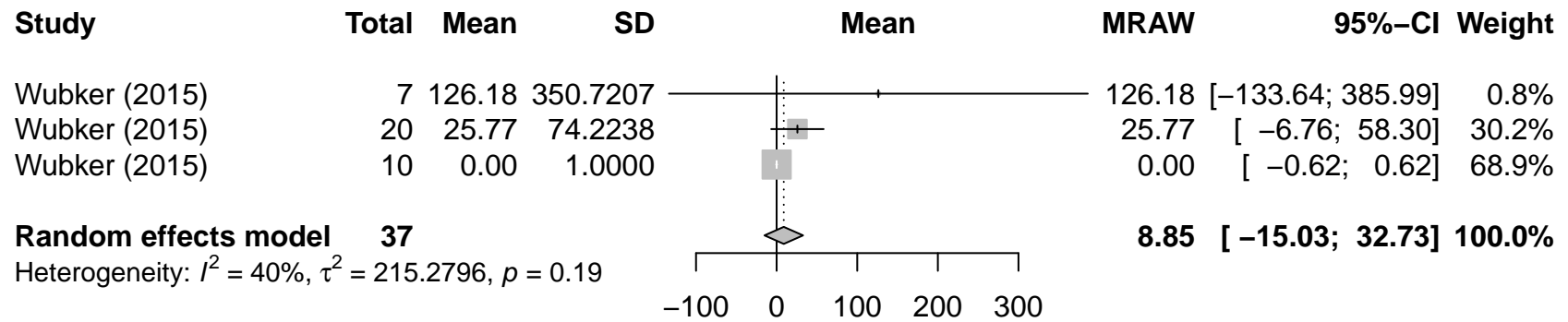


Western Europe, Institution, Mild, Institutional care

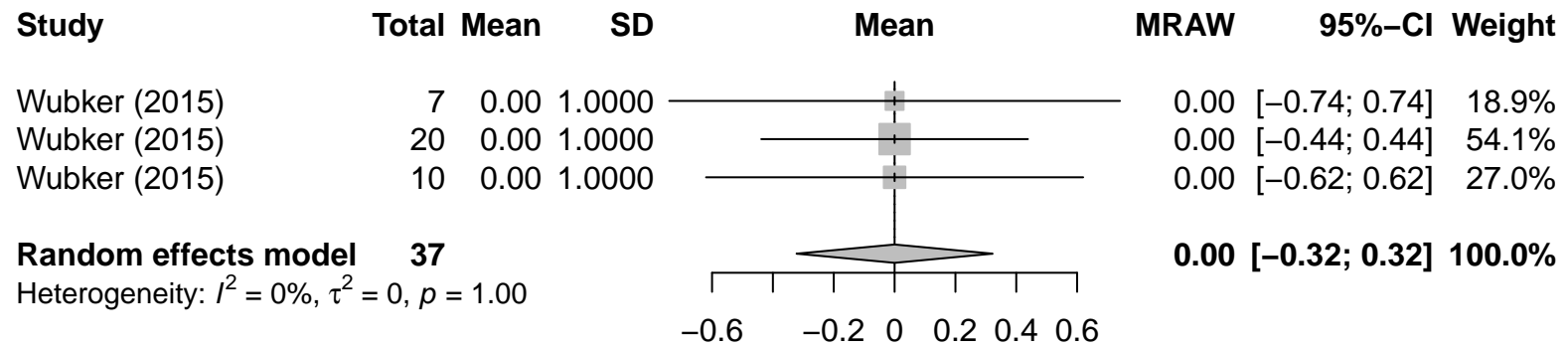




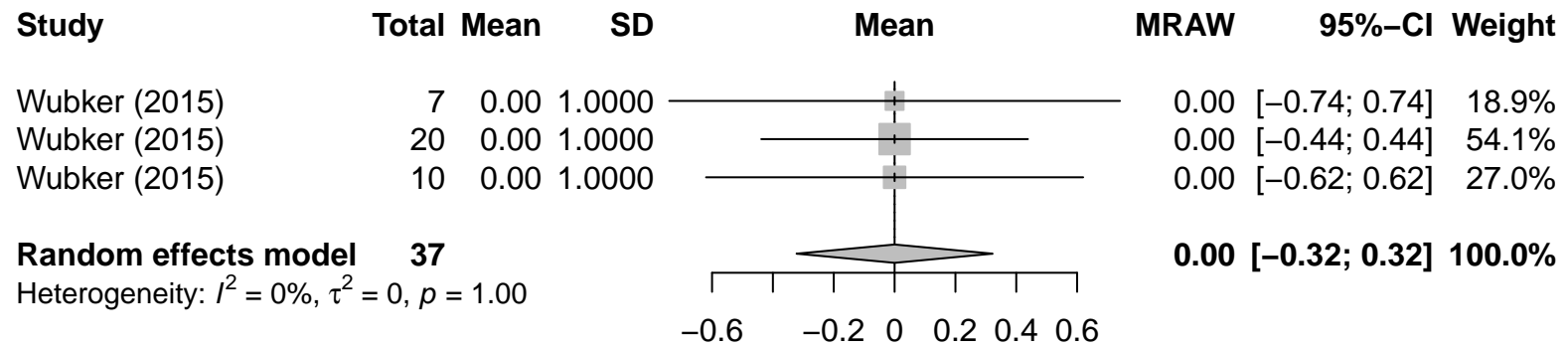
Western Europe, Institution, Mild, Community care



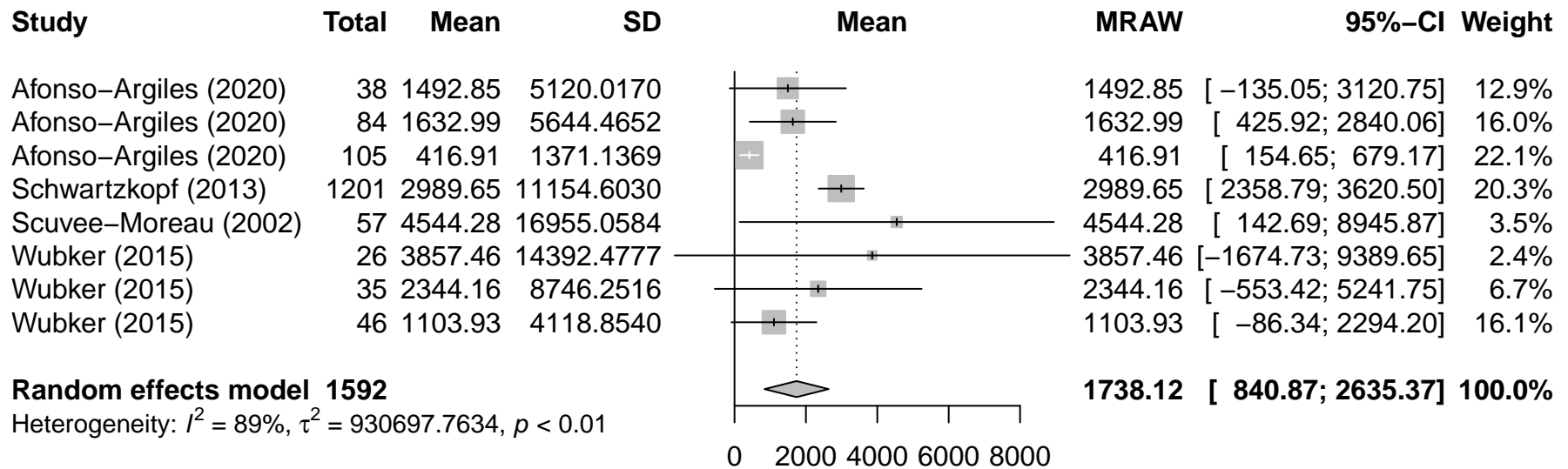
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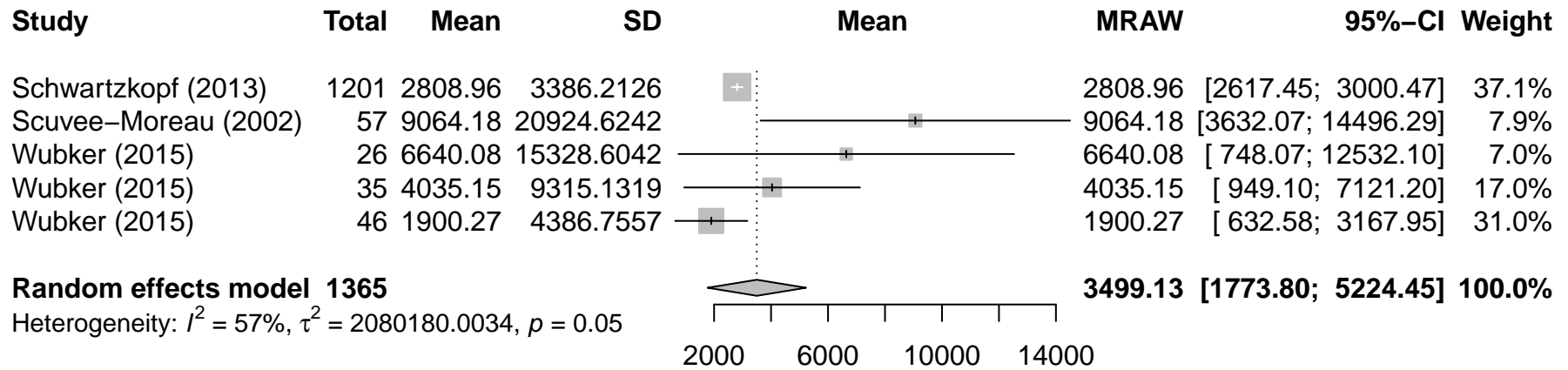
Western Europe, Institution, Mild, Caregiver time



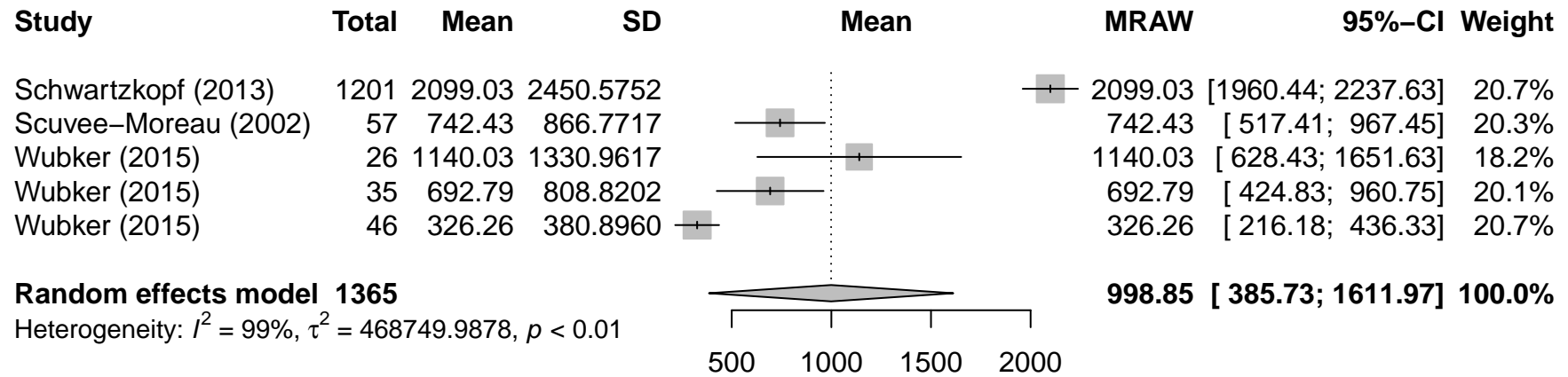
Western Europe, Institution, Moderate, Inpatient care



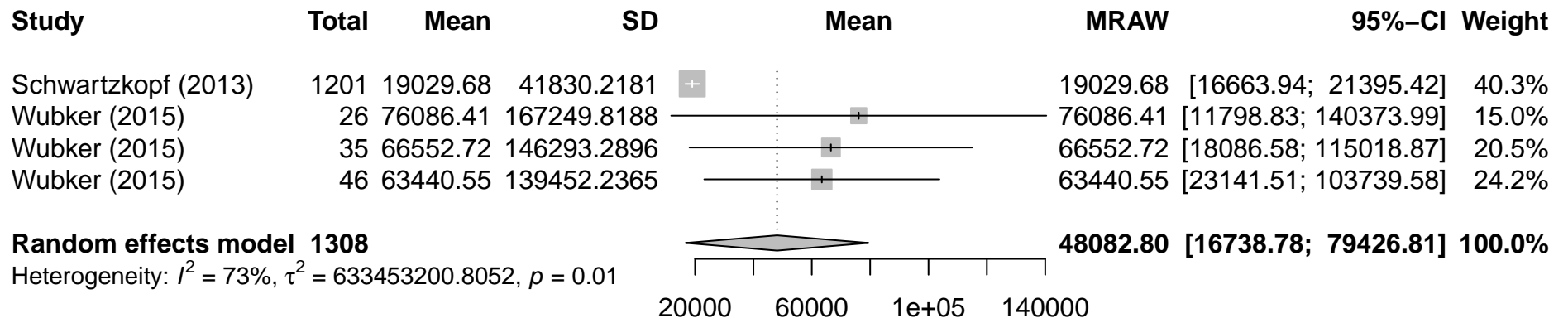
Western Europe, Institution, Moderate, Outpatient care



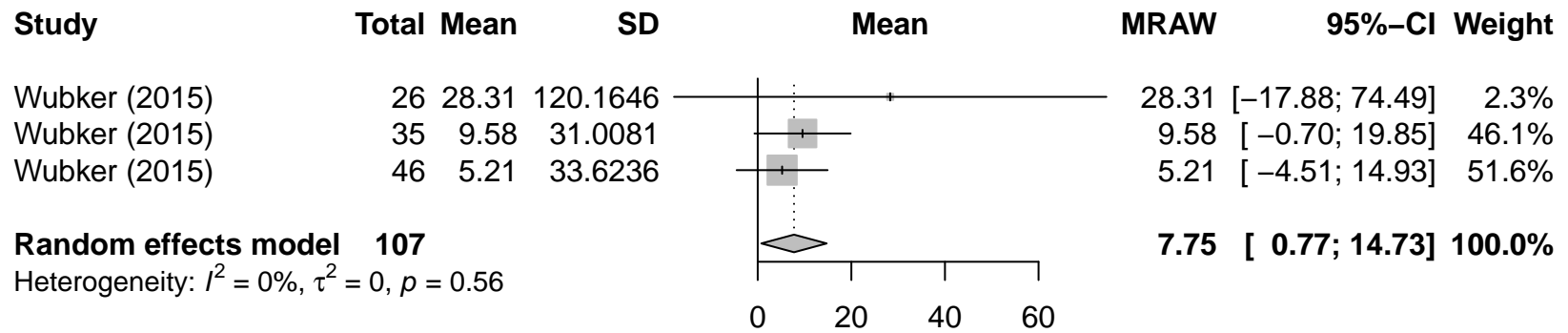
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Western Europe, Institution, Moderate, Institutional care

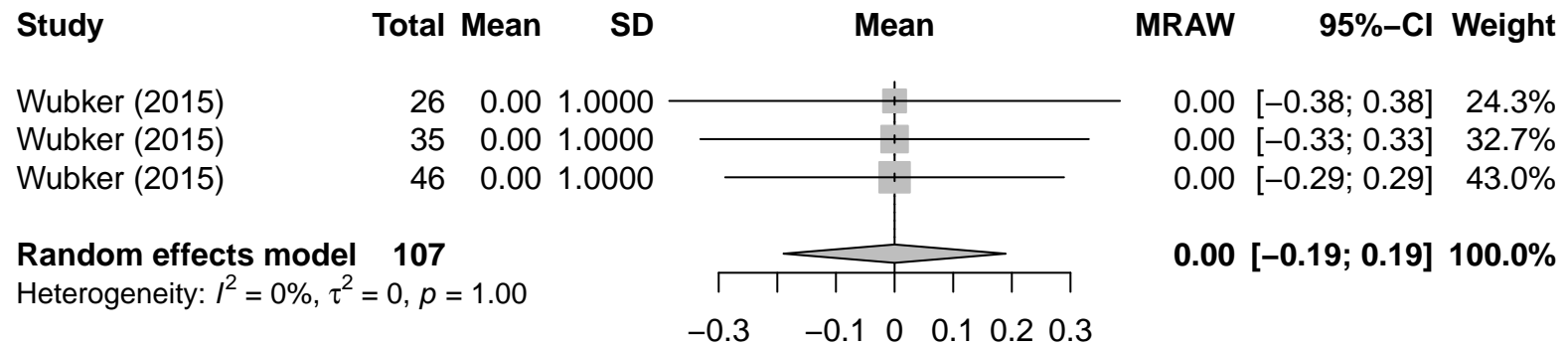


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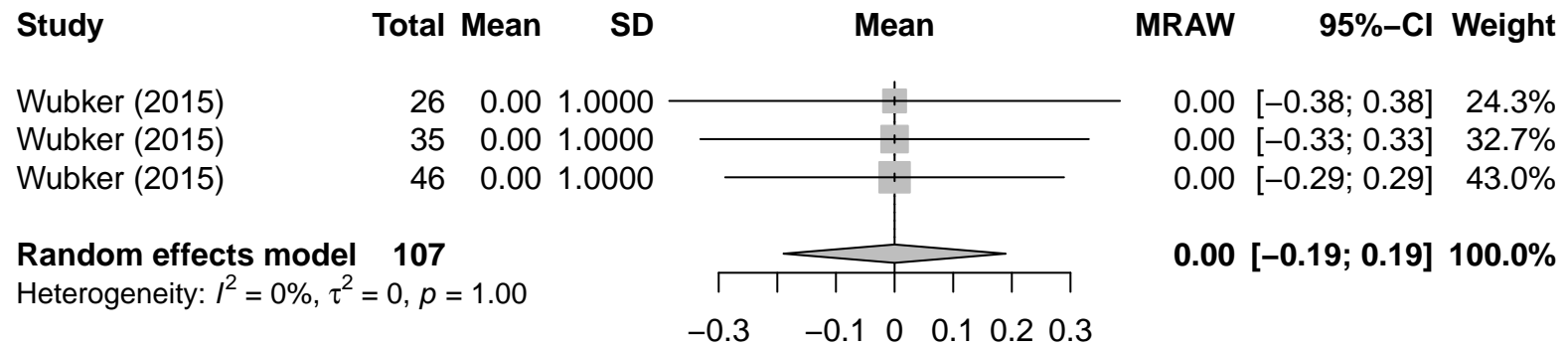




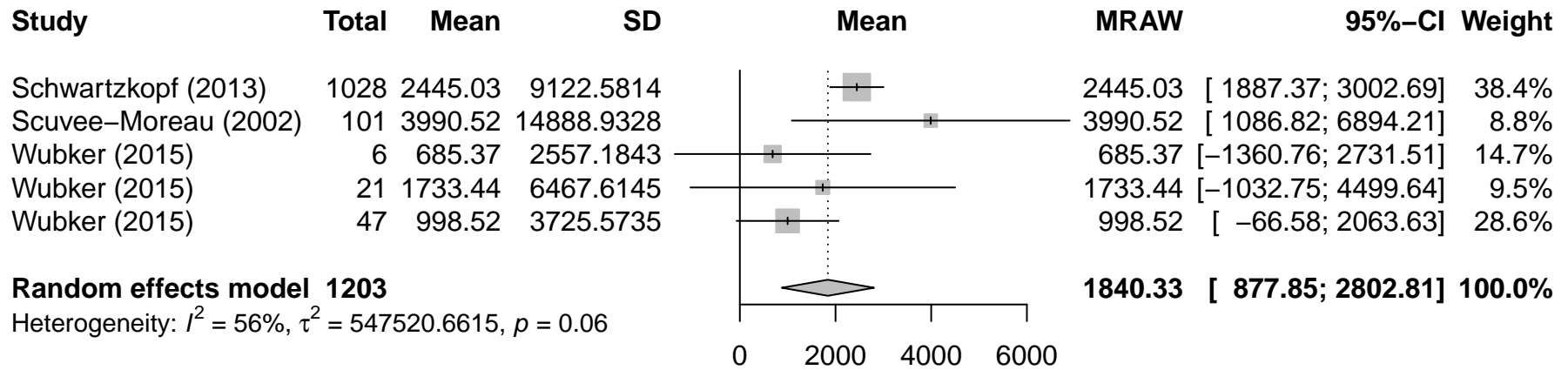
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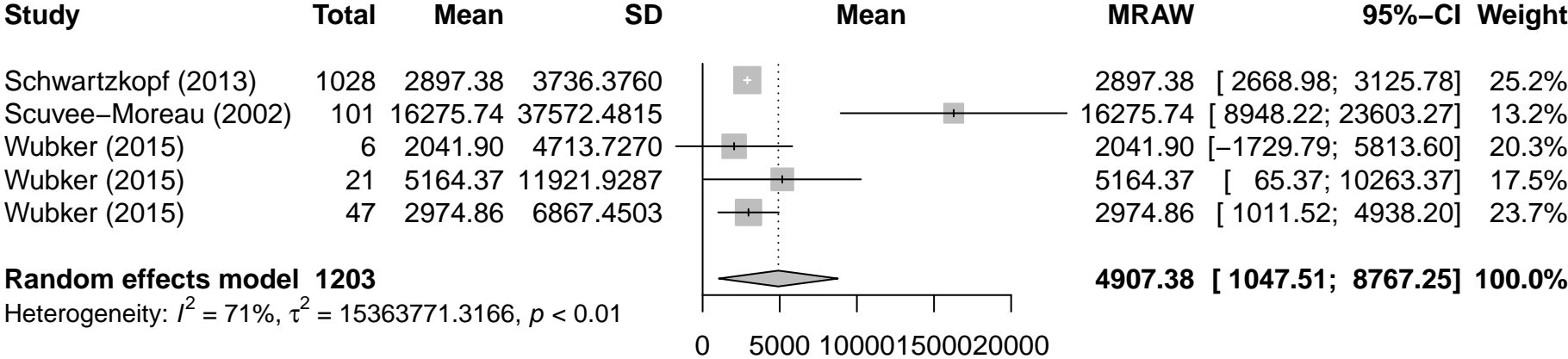
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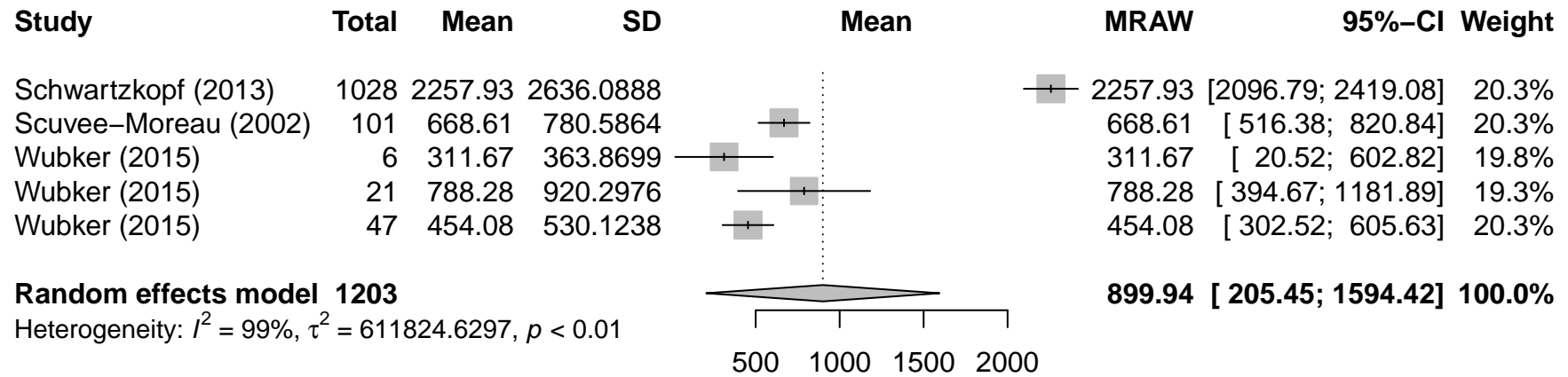
Western Europe, Institution, Severe, Inpatient care



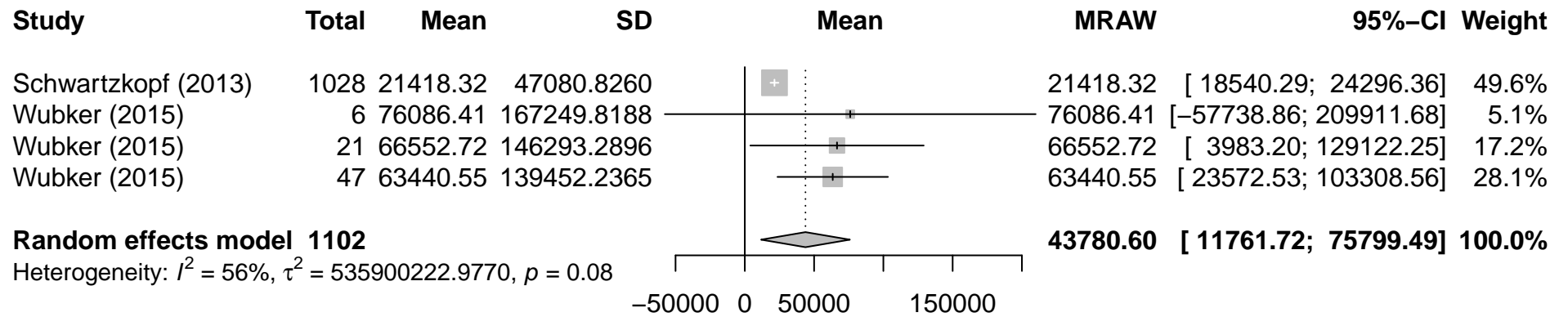
Western Europe, Institution, Severe, Outpatient care



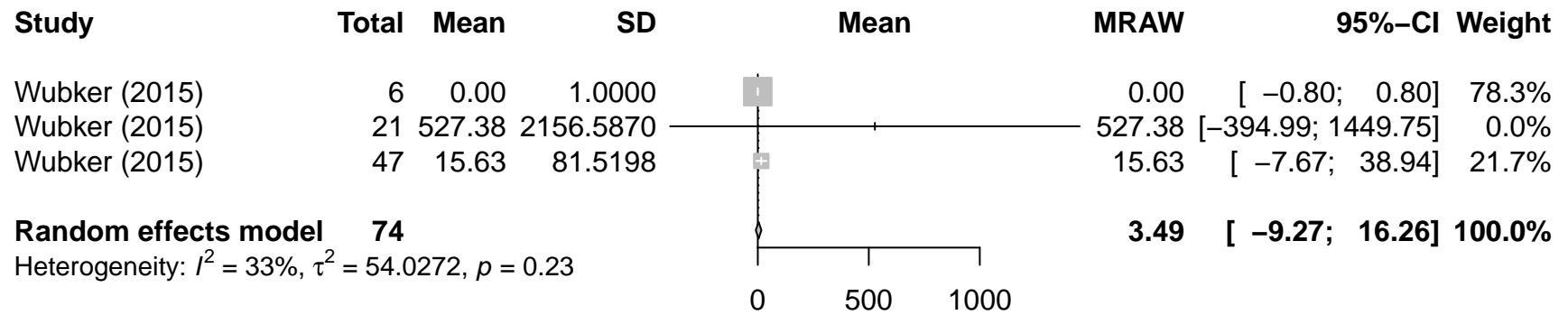
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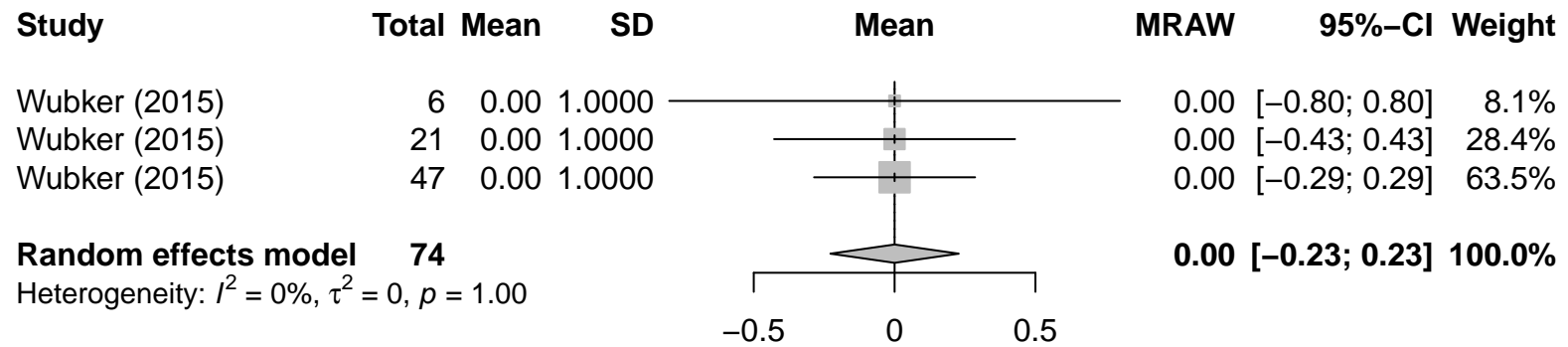
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Western Europe, Institution, Severe, Community care

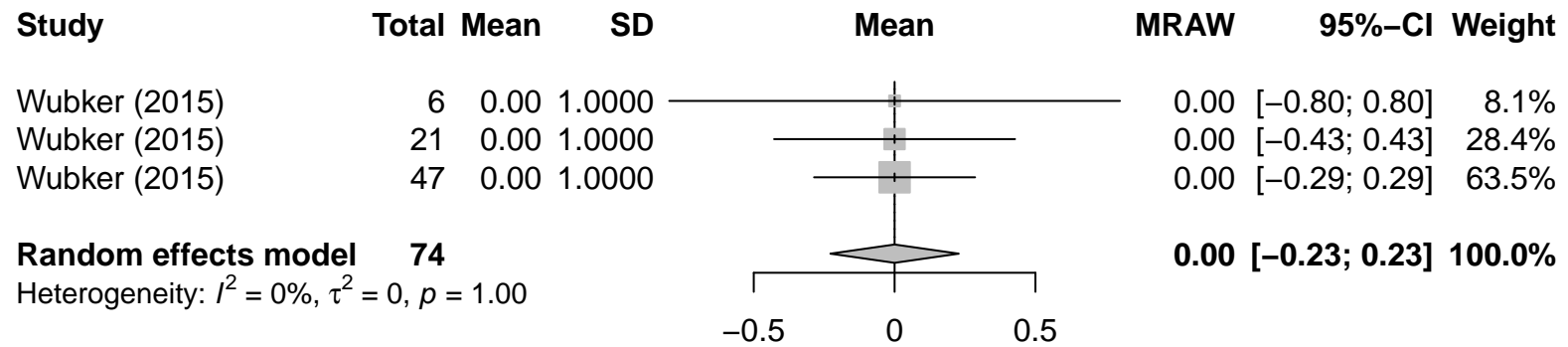


Western Europe, Institution, Severe, Caregiver work loss

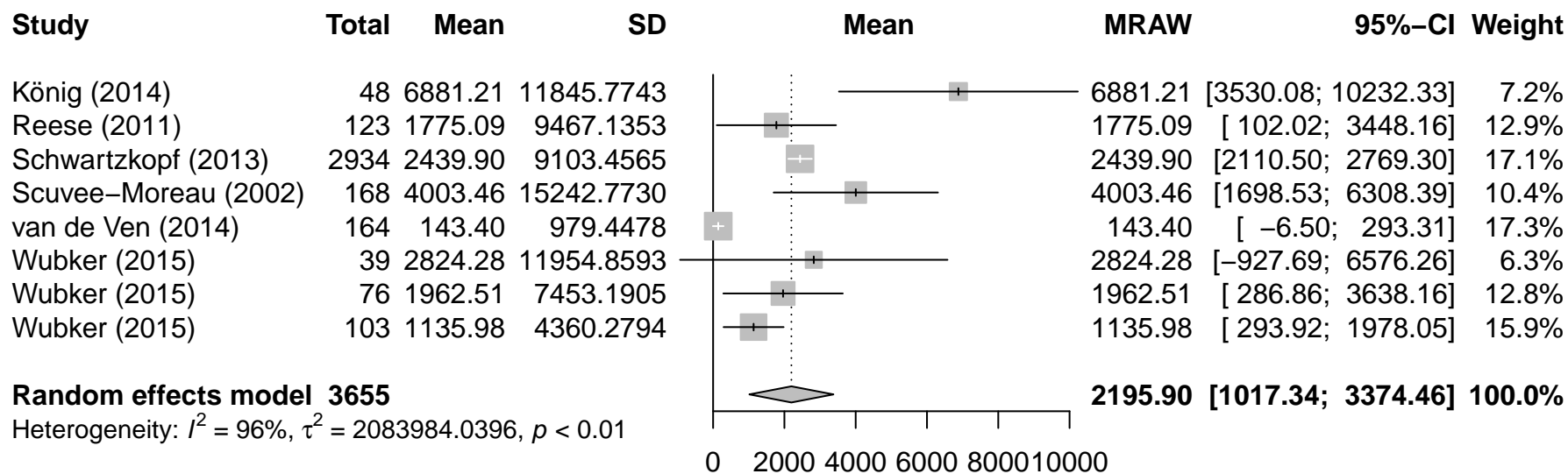




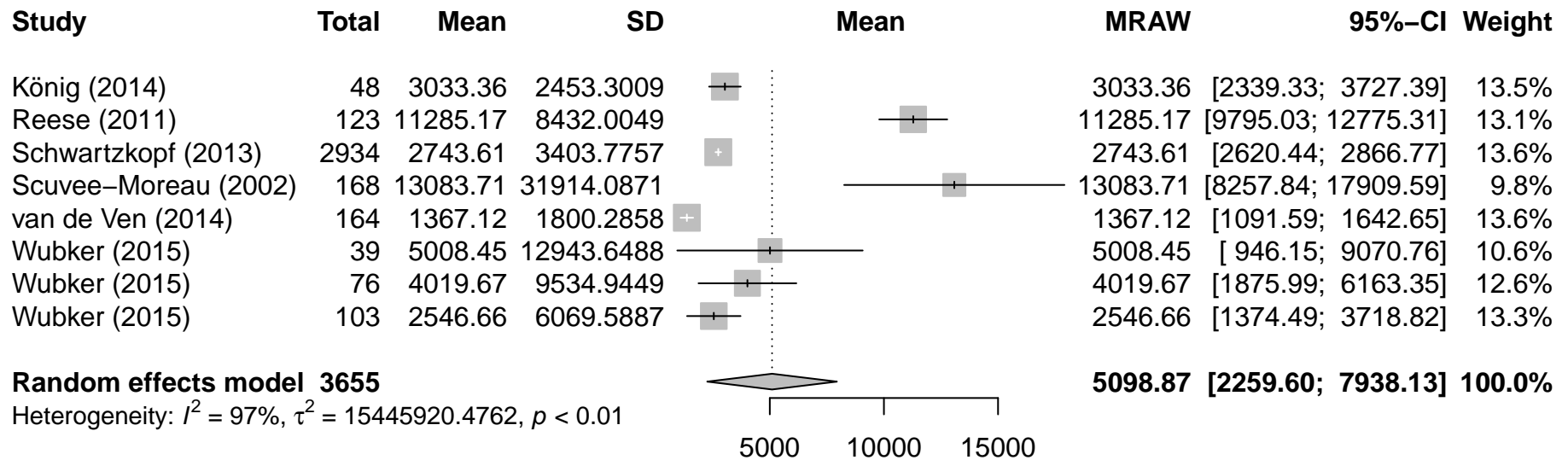
Western Europe, Institution, Severe, Caregiver time



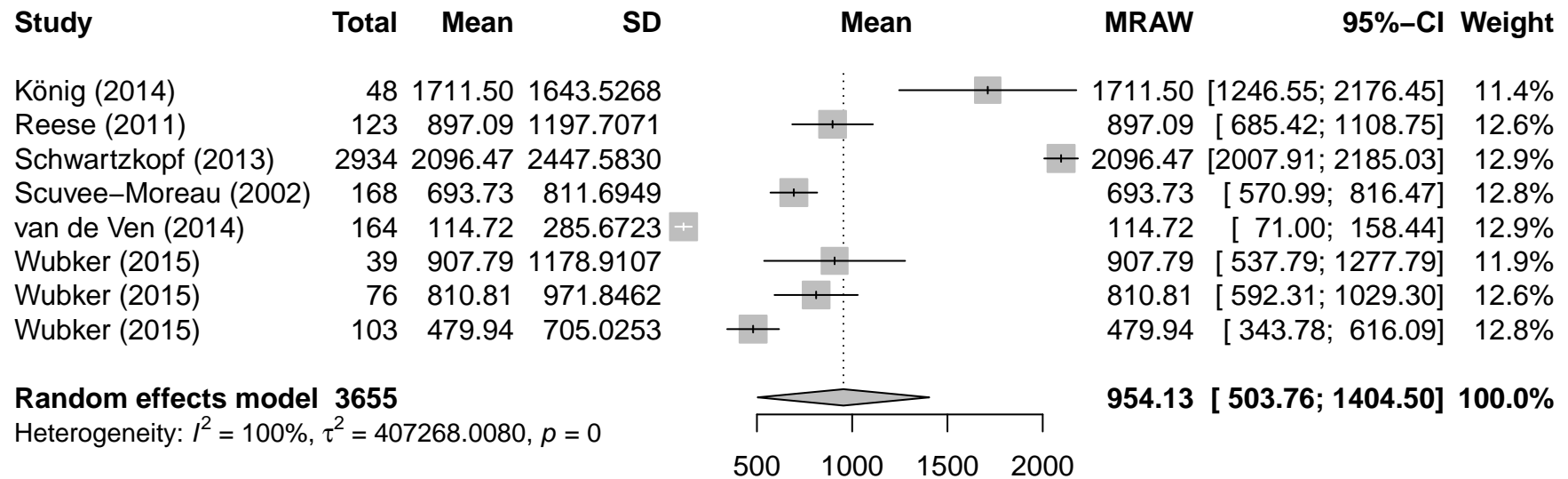
Western Europe, Institution, All, Inpatient care



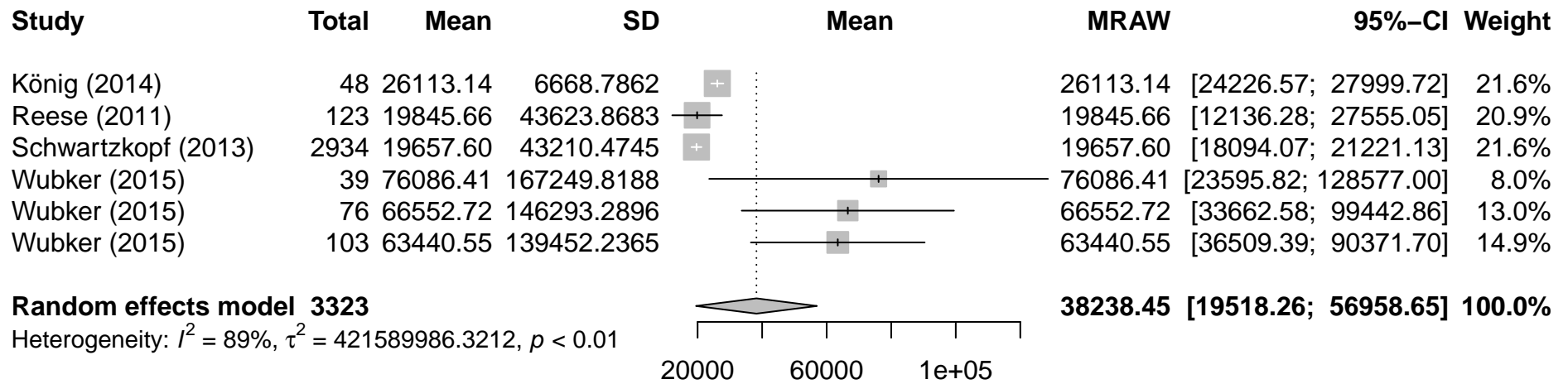
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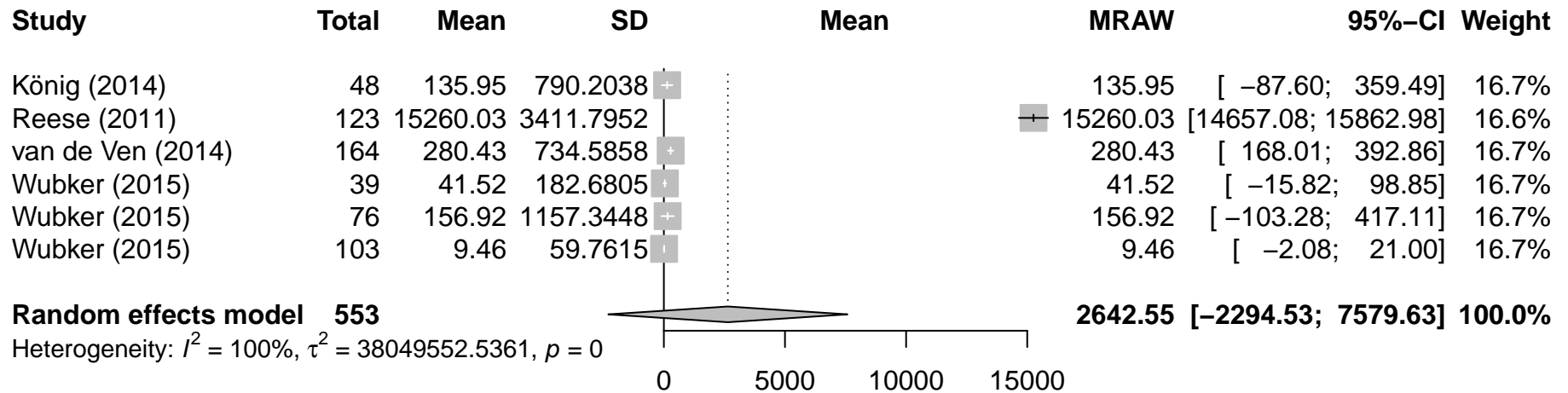
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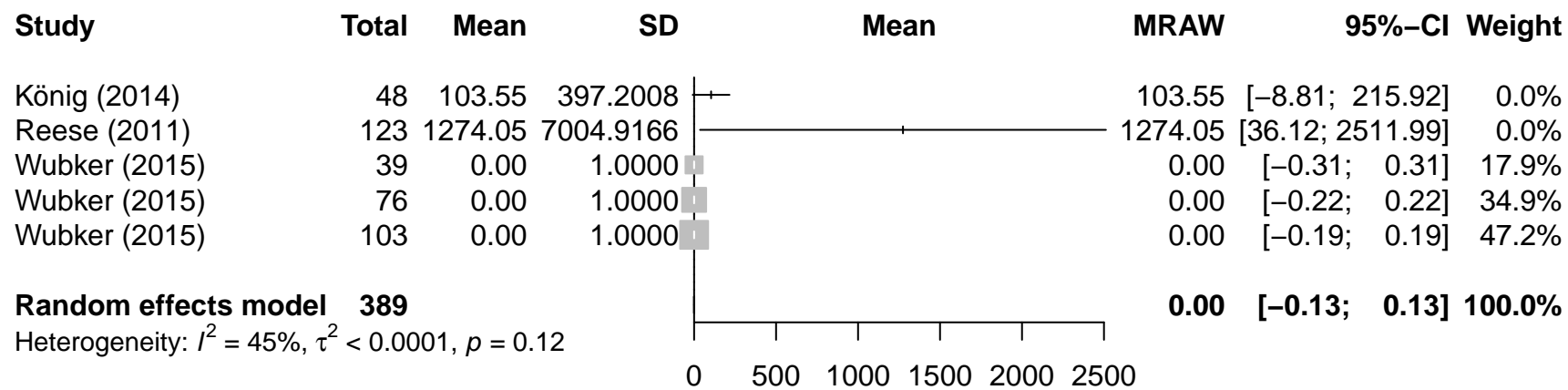
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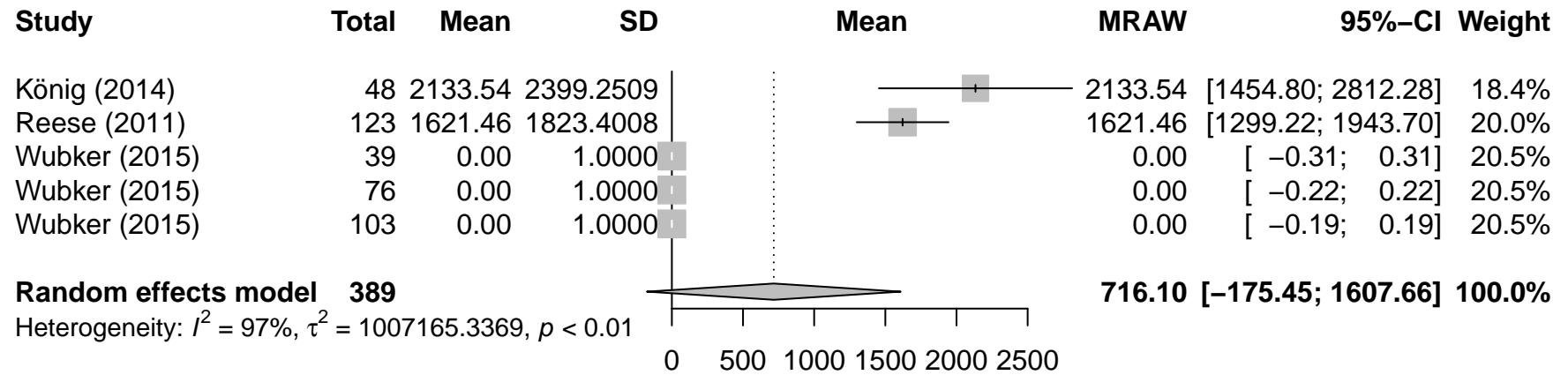
Western Europe, Institution, All, Community care



Western Europe, Institution, All, Caregiver work loss

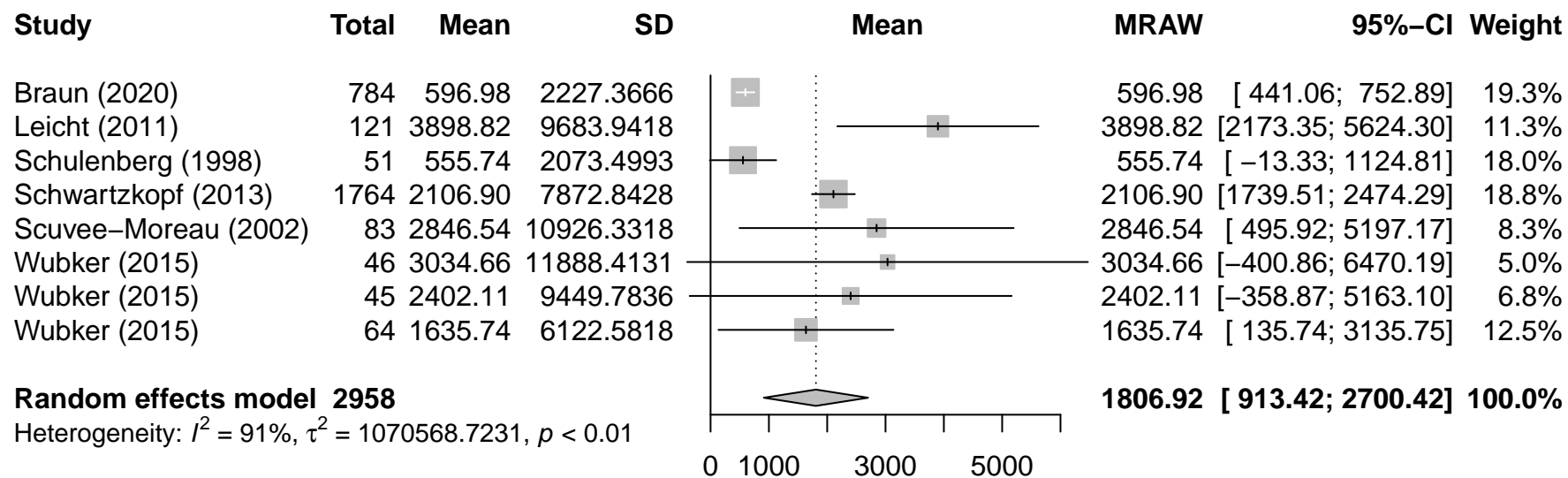


Western Europe, Institution, All, Caregiver time

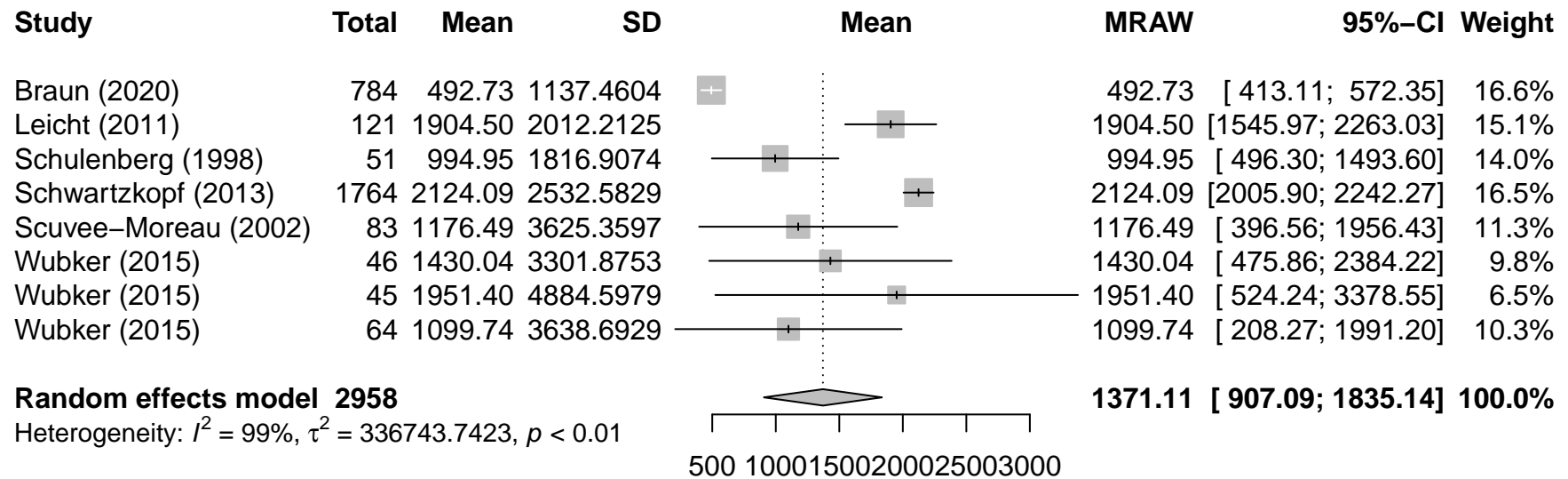




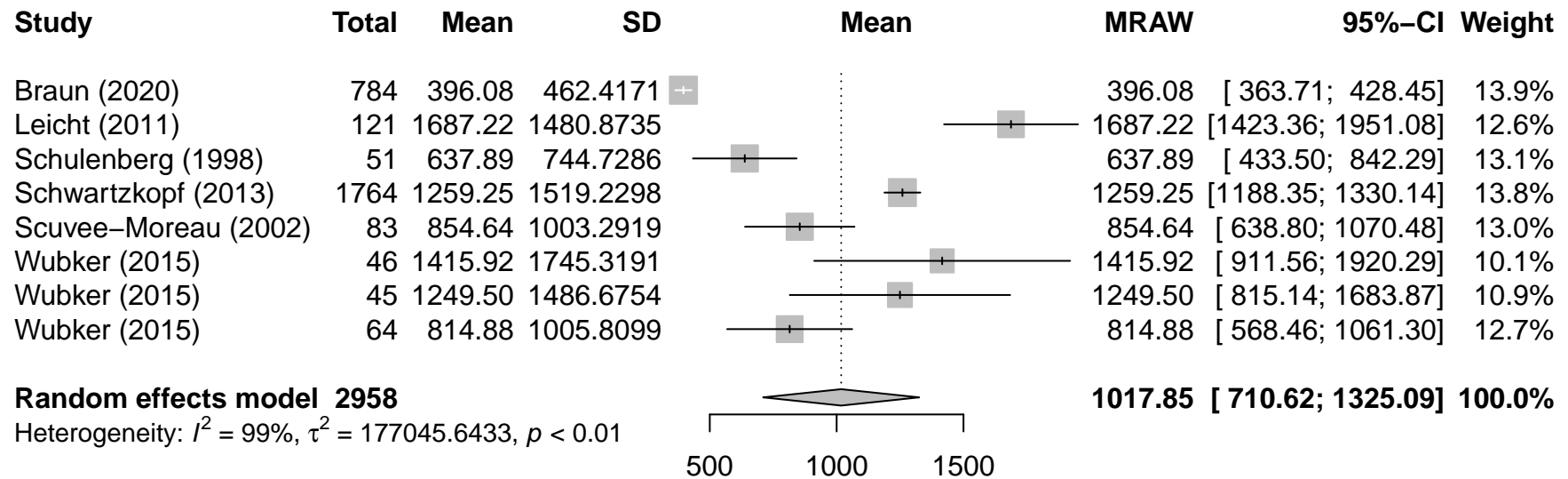
Western Europe, All, Mild, Inpatient care



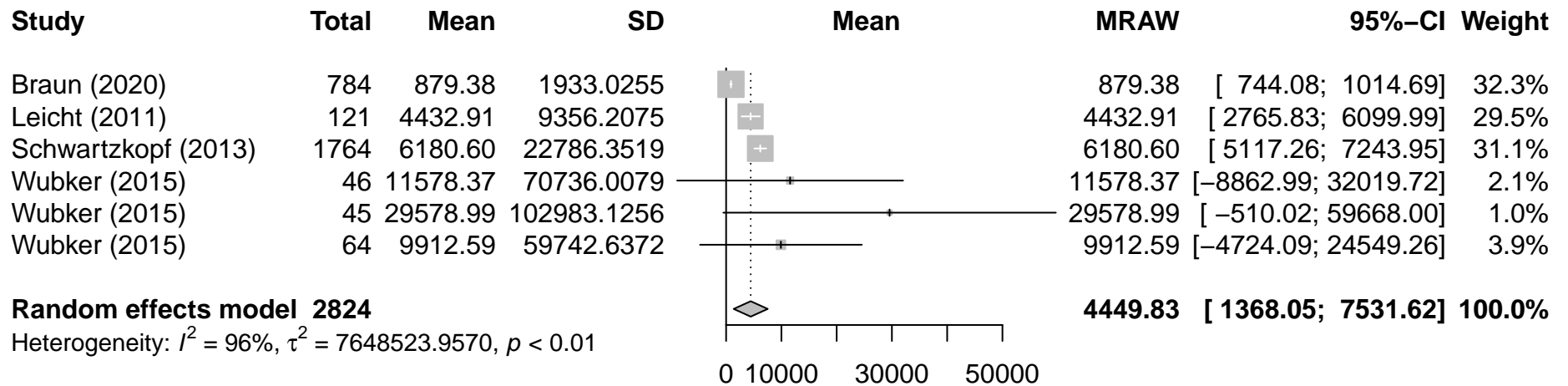
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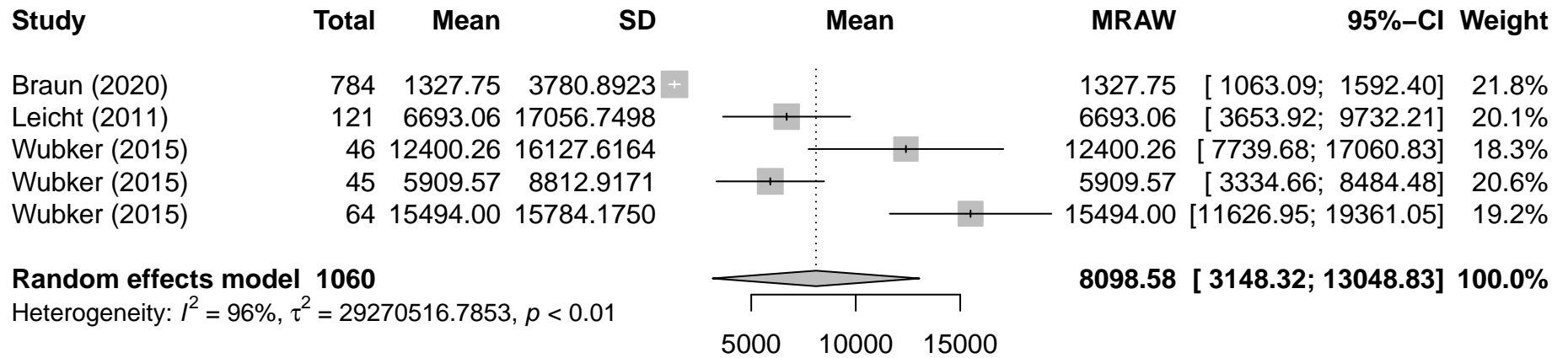
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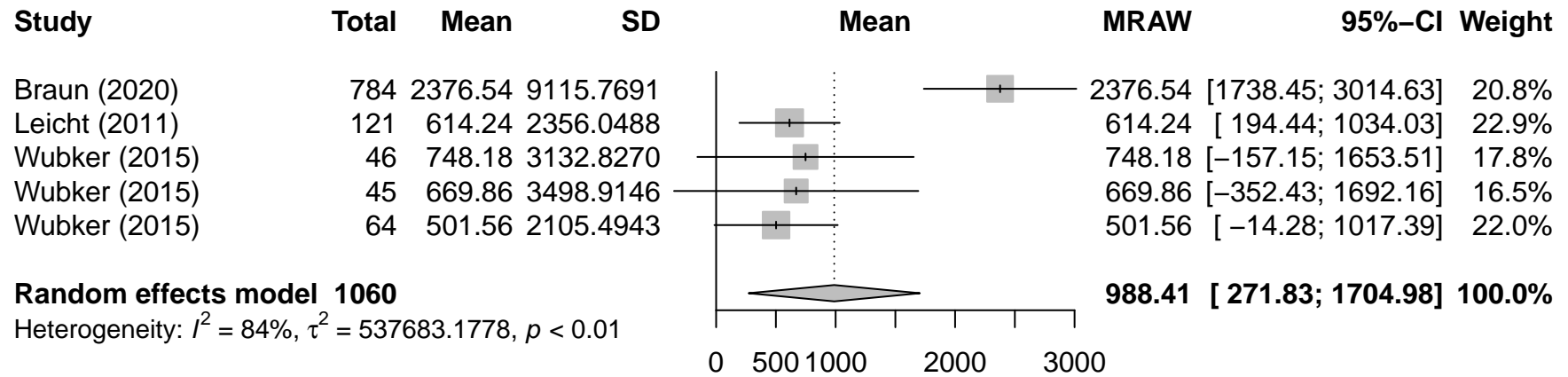
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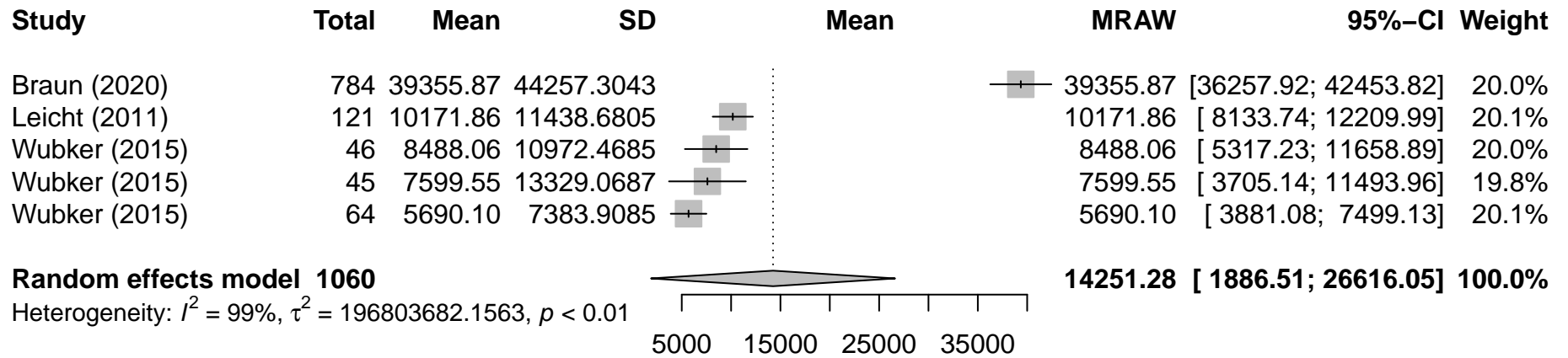
Western Europe, All, Mild, Community care



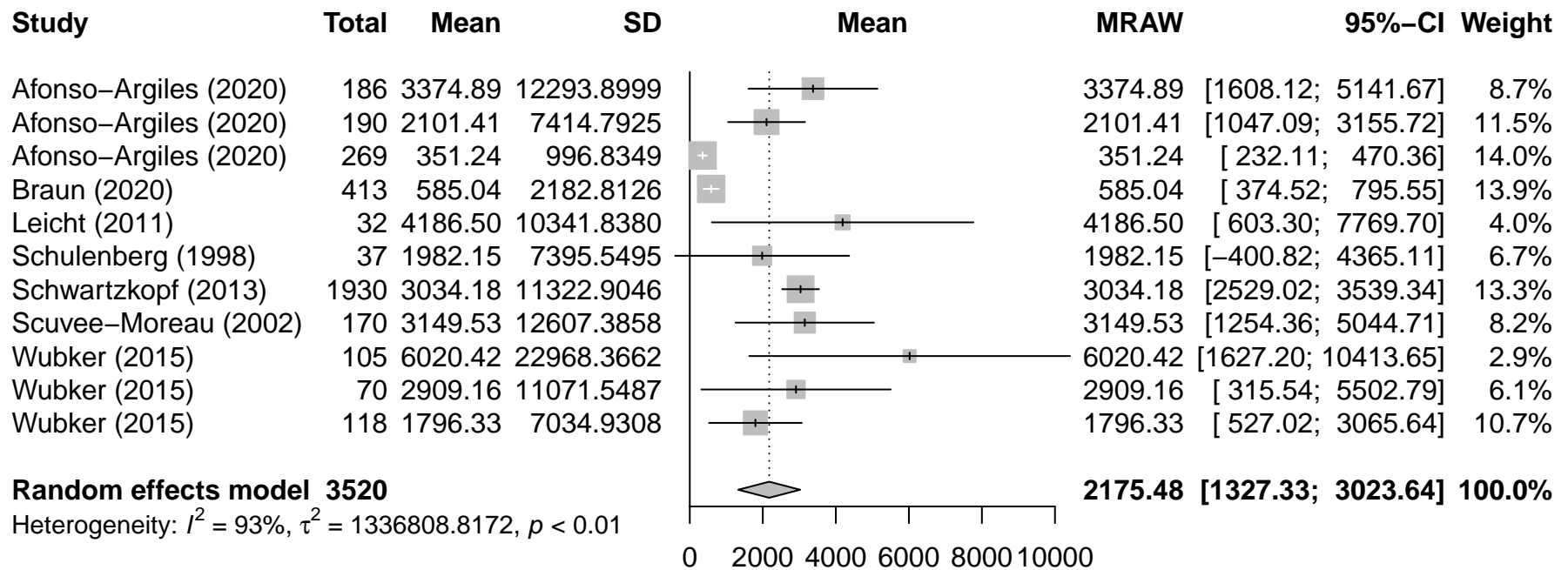
Western Europe, All, Mild, Caregiver work loss



Western Europe, All, Mild, Caregiver time

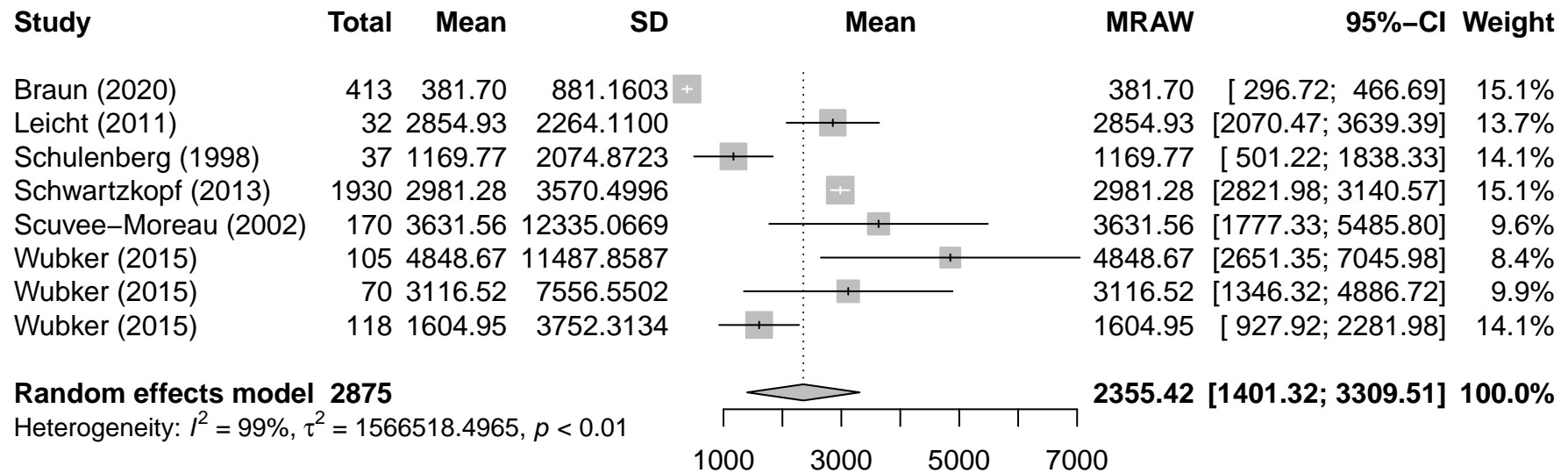


Western Europe, All, Moderate, Inpatient care

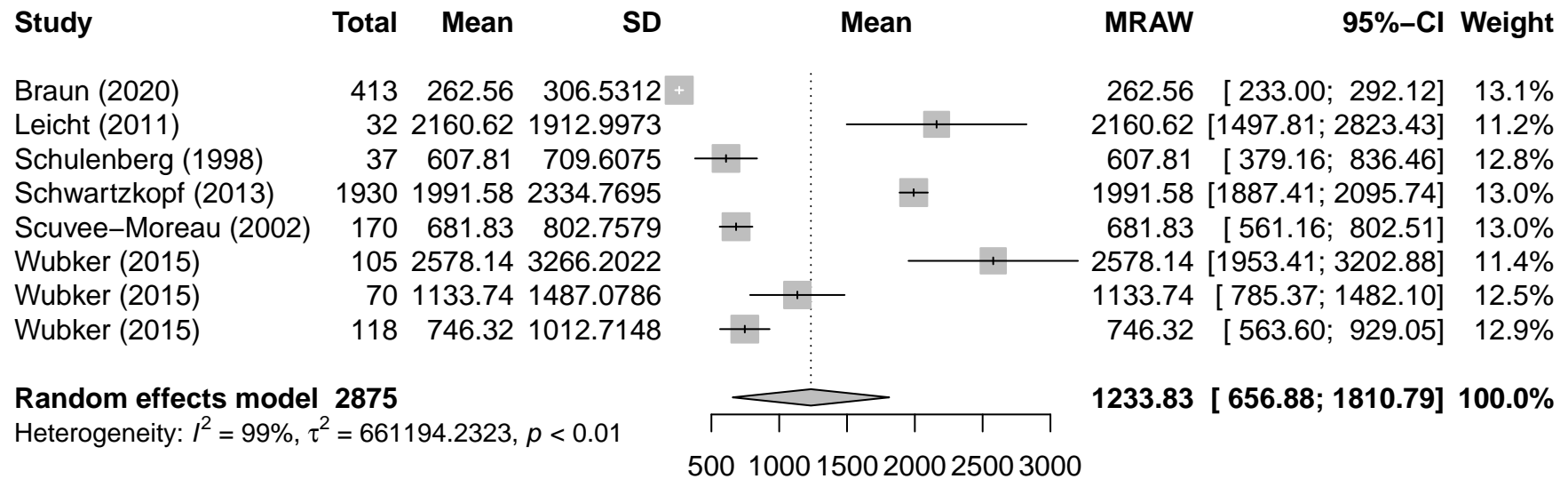




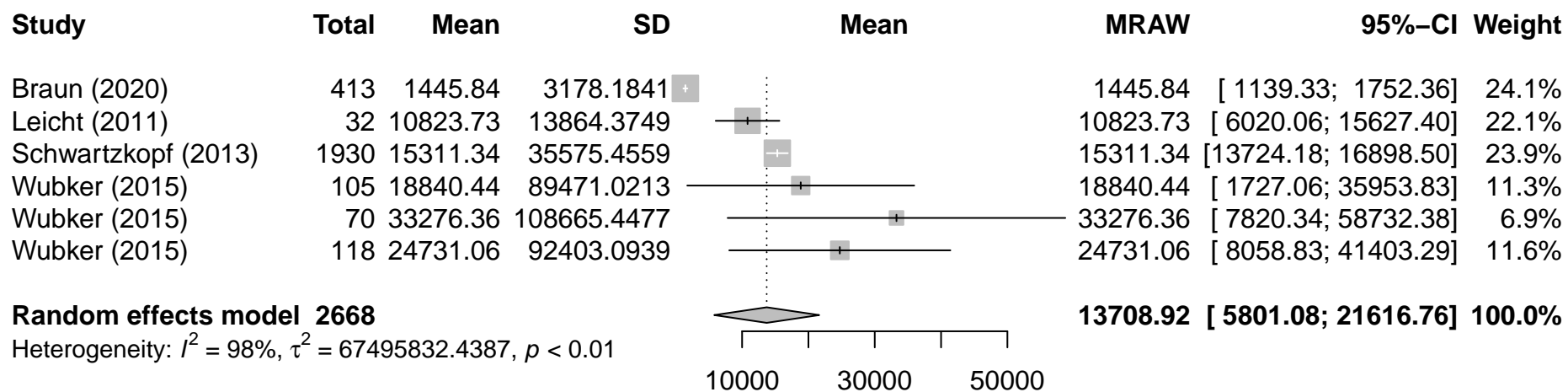
Western Europe, All, Moderate, Outpatient care



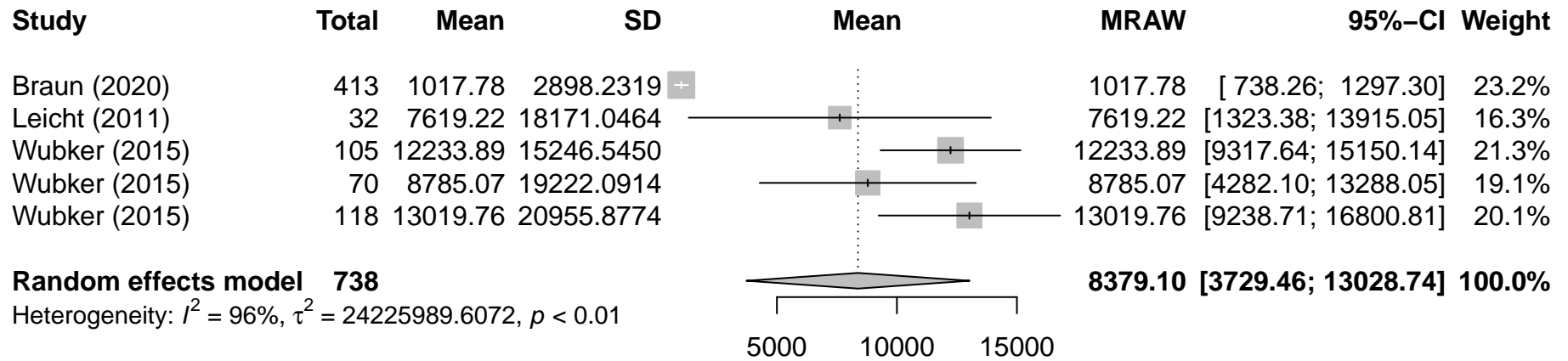
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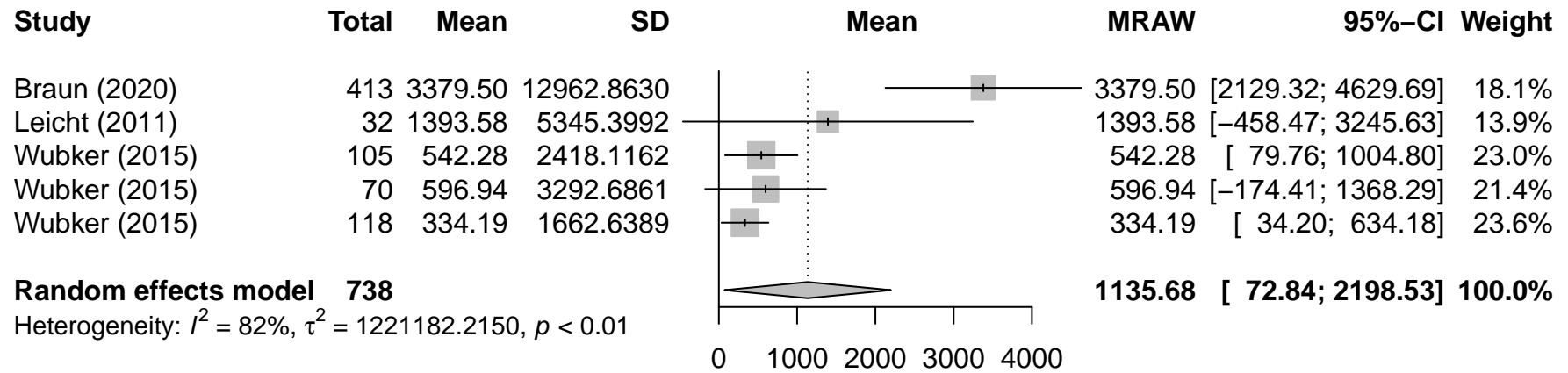
Western Europe, All, Moderate, Institutional care



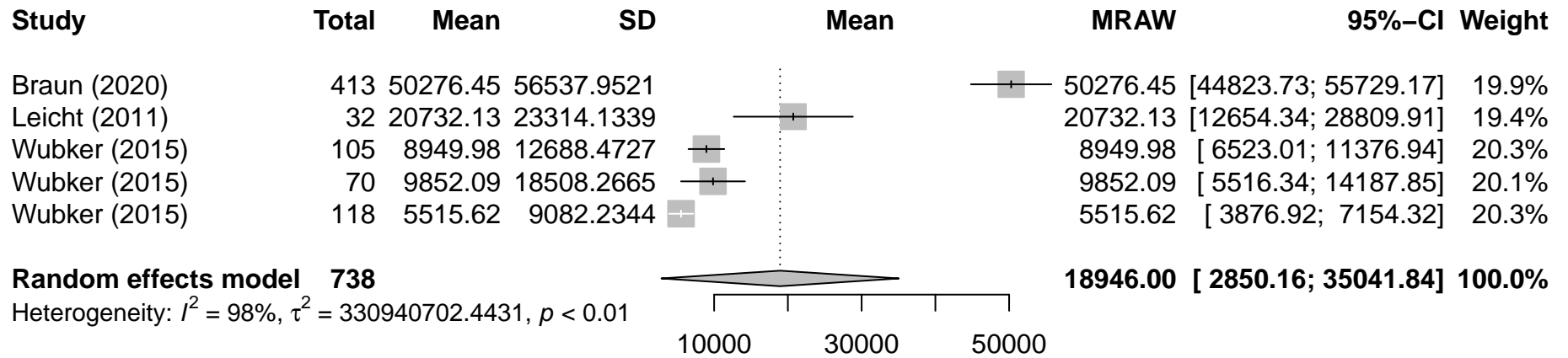
Western Europe, All, Moderate, Community care



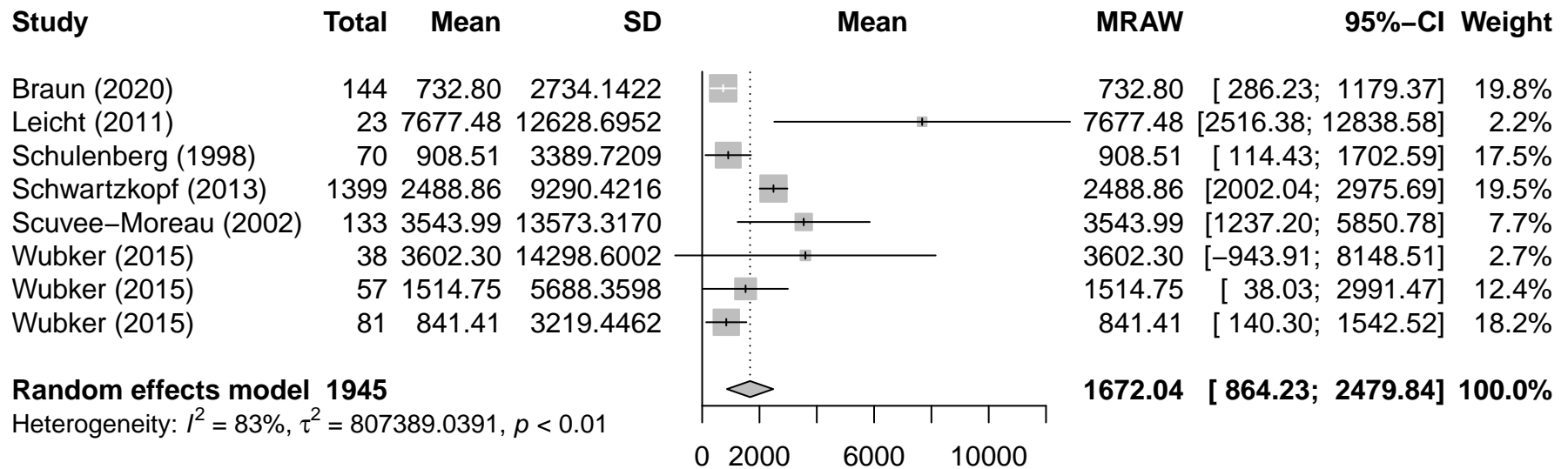
Western Europe, All, Moderate, Caregiver work loss



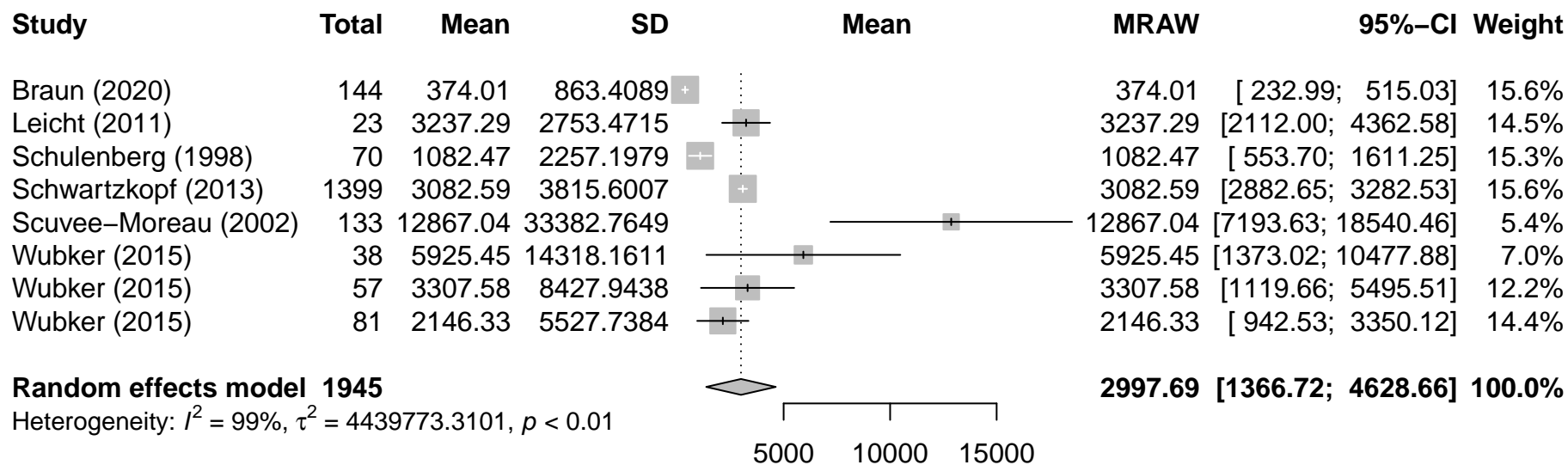
Western Europe, All, Moderate, Caregiver time



Western Europe, All, Severe, Inpatient care

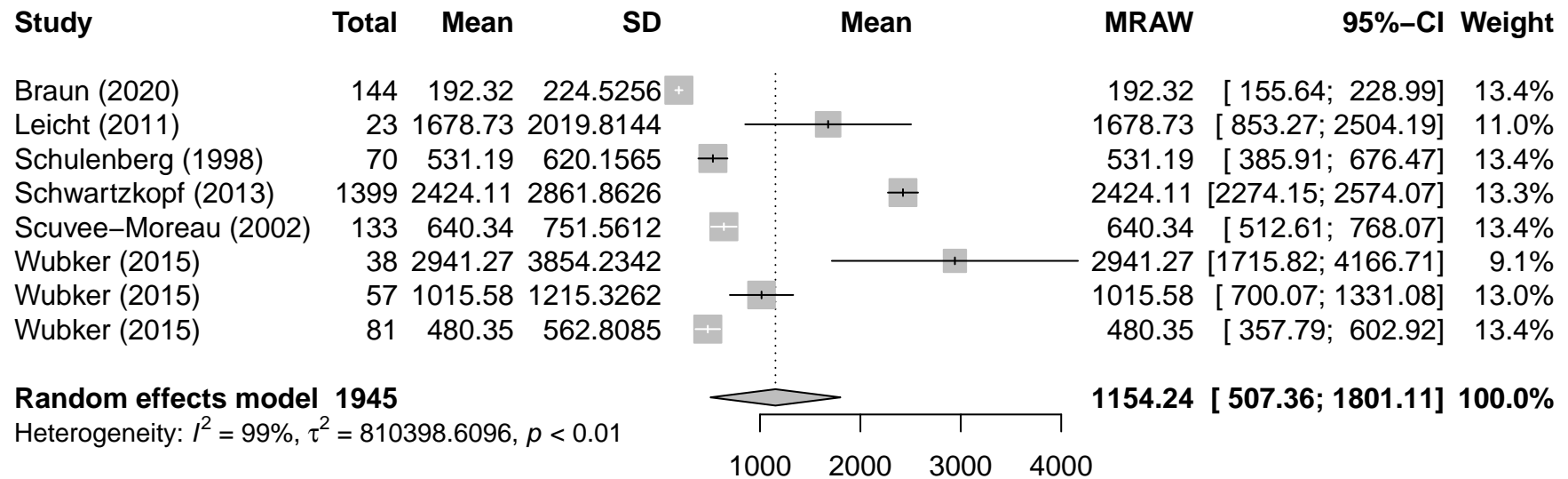


Western Europe, All, Severe, Outpatient care

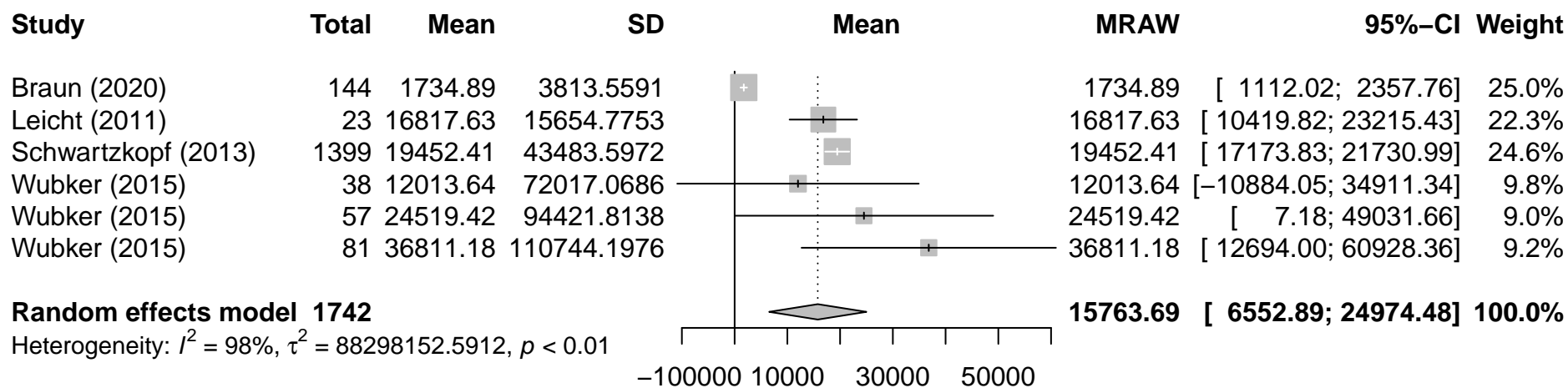




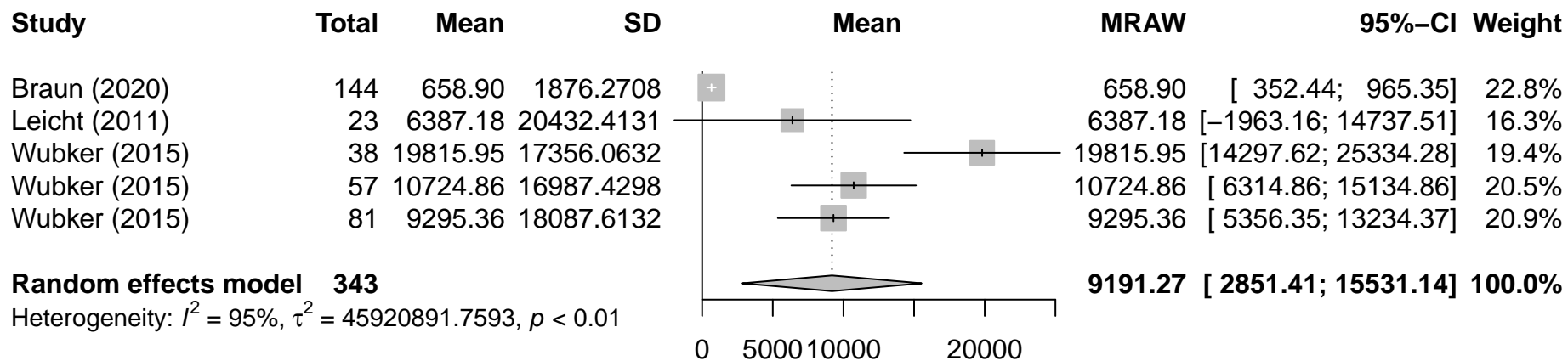
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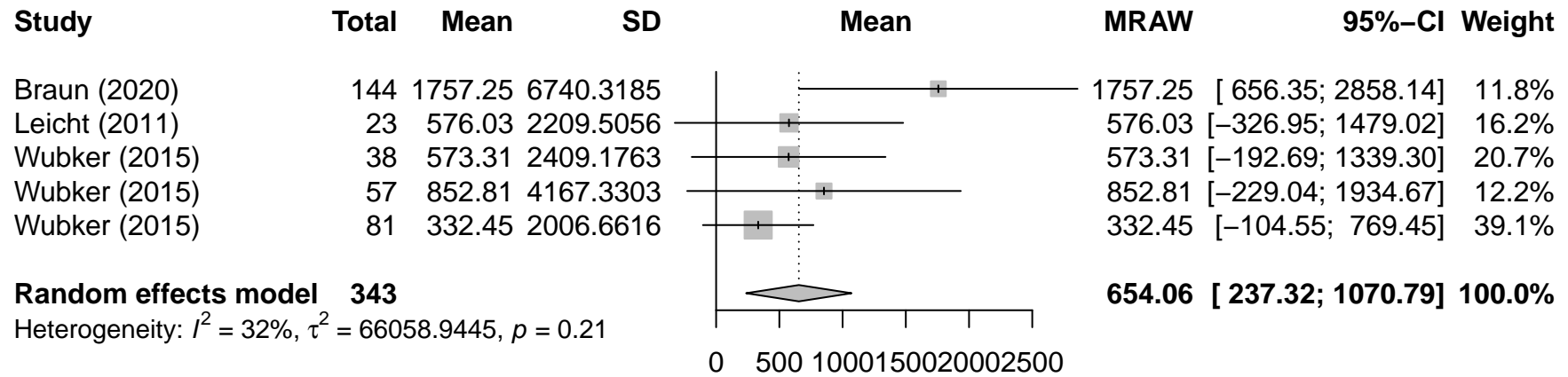
Western Europe, All, Severe, Institutional care



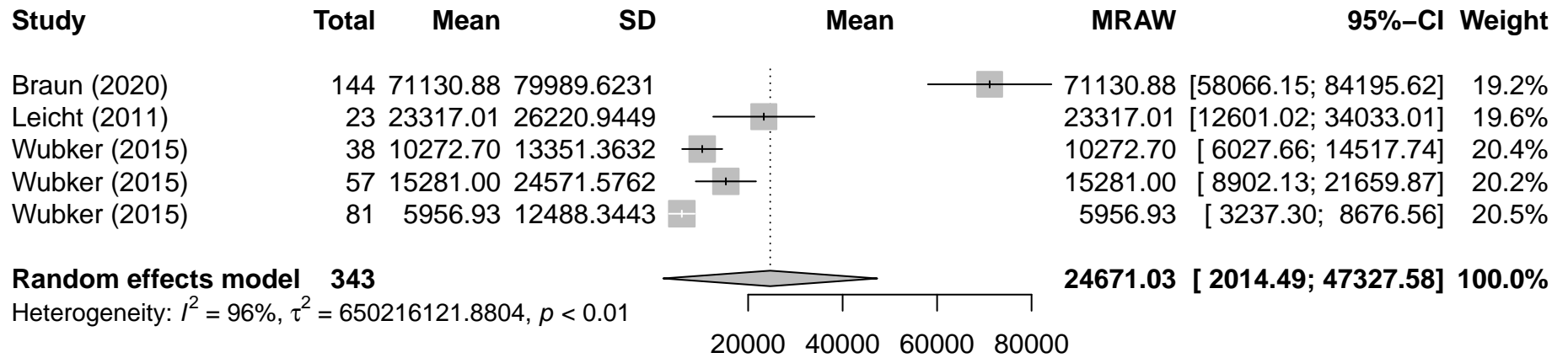
Western Europe, All, Severe, Community care



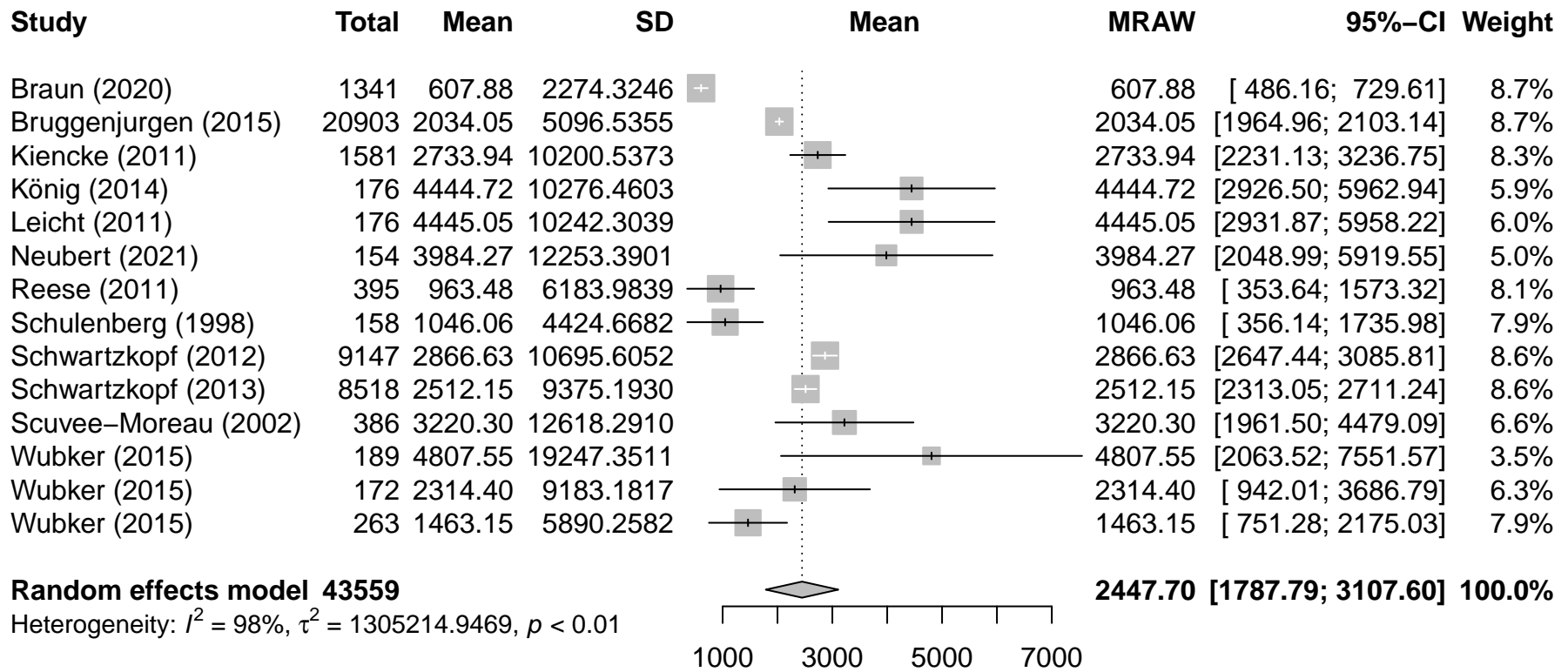
Western Europe, All, Severe, Caregiver work loss



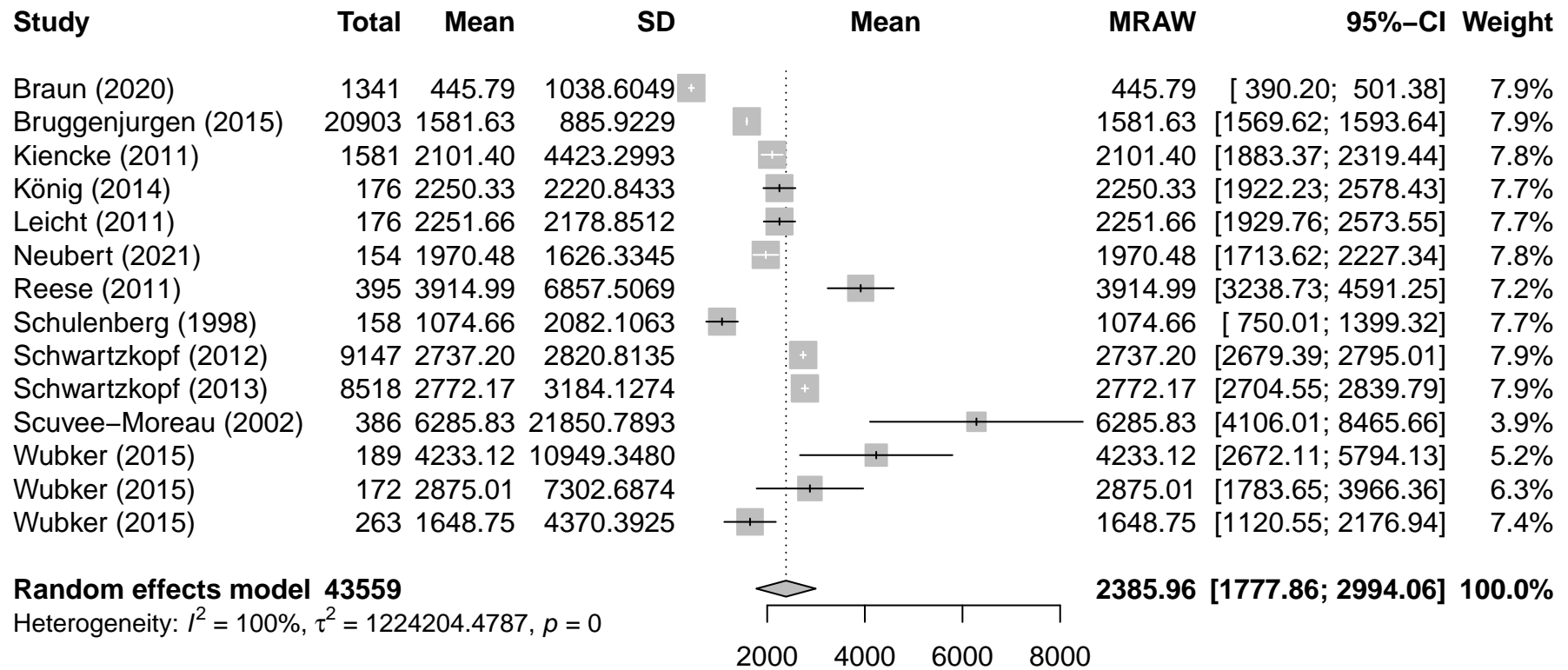
Western Europe, All, Severe, Caregiver time



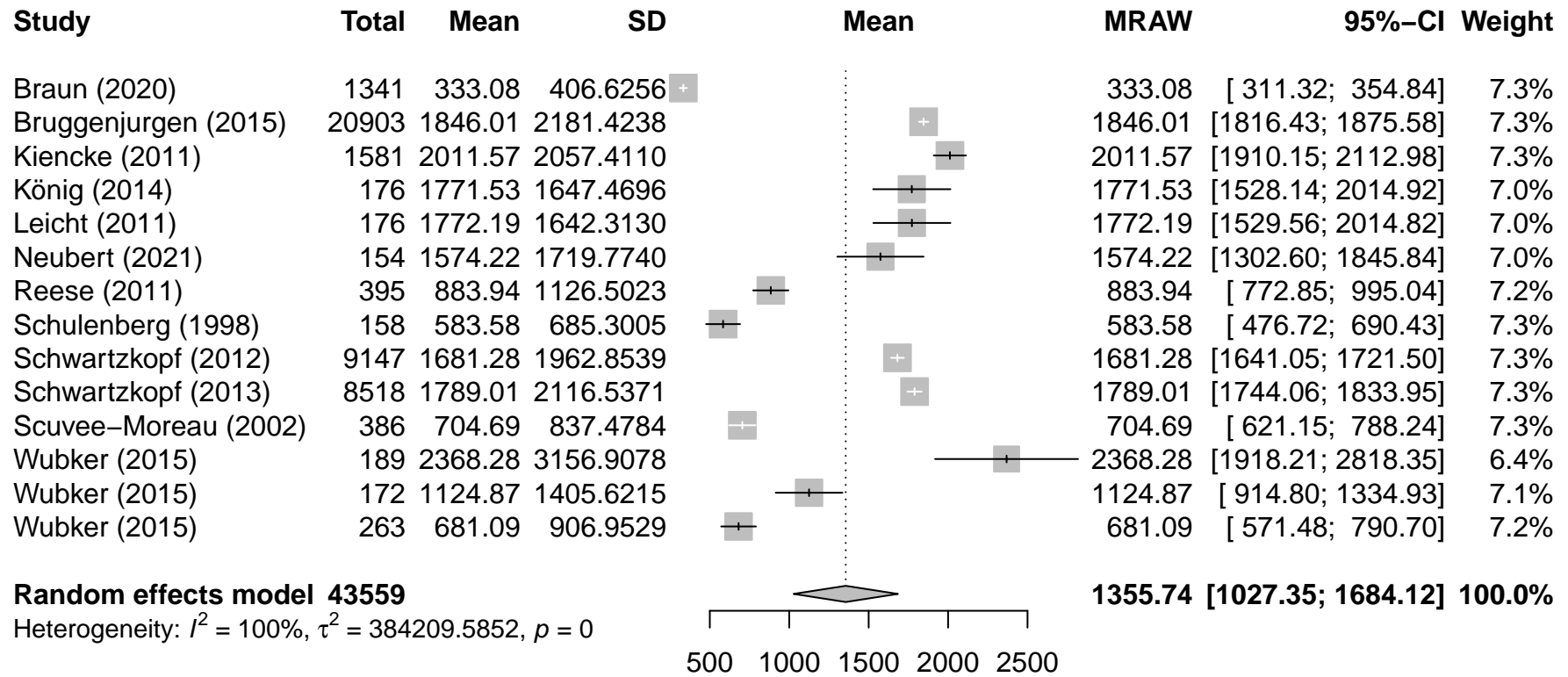
Western Europe, All, All, Inpatient care



Western Europe, All, All, Outpatient care

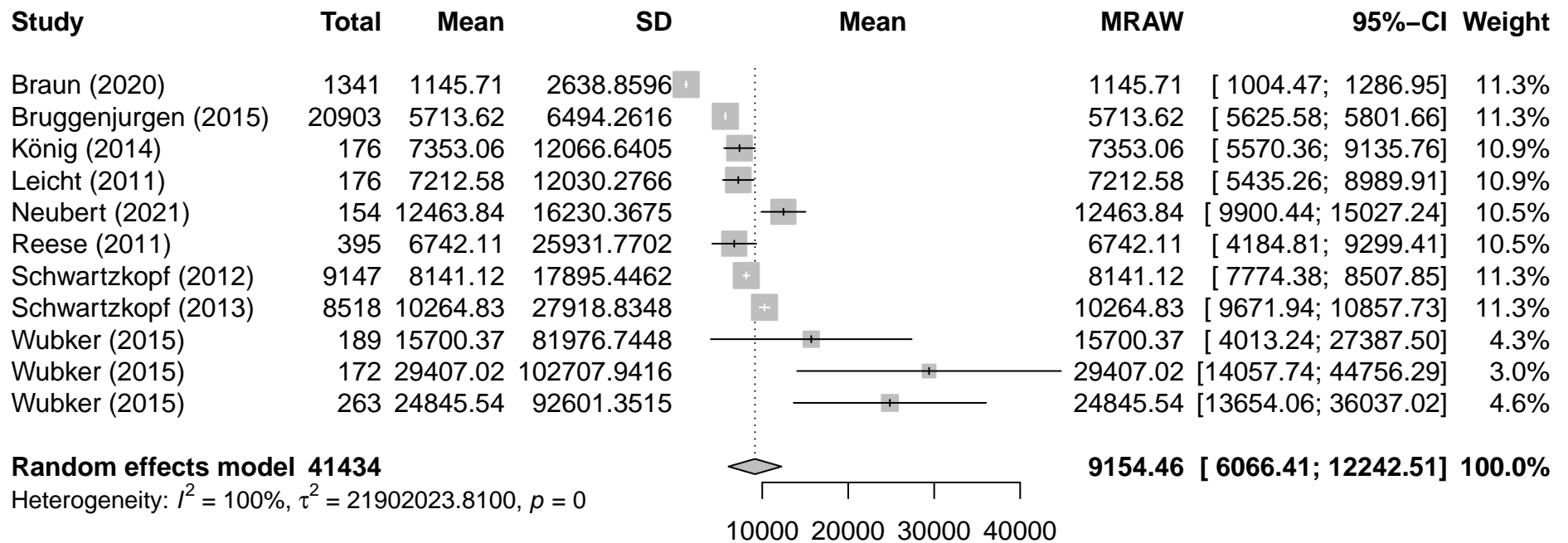


Western Europe, All, All, Pharmaceuticals

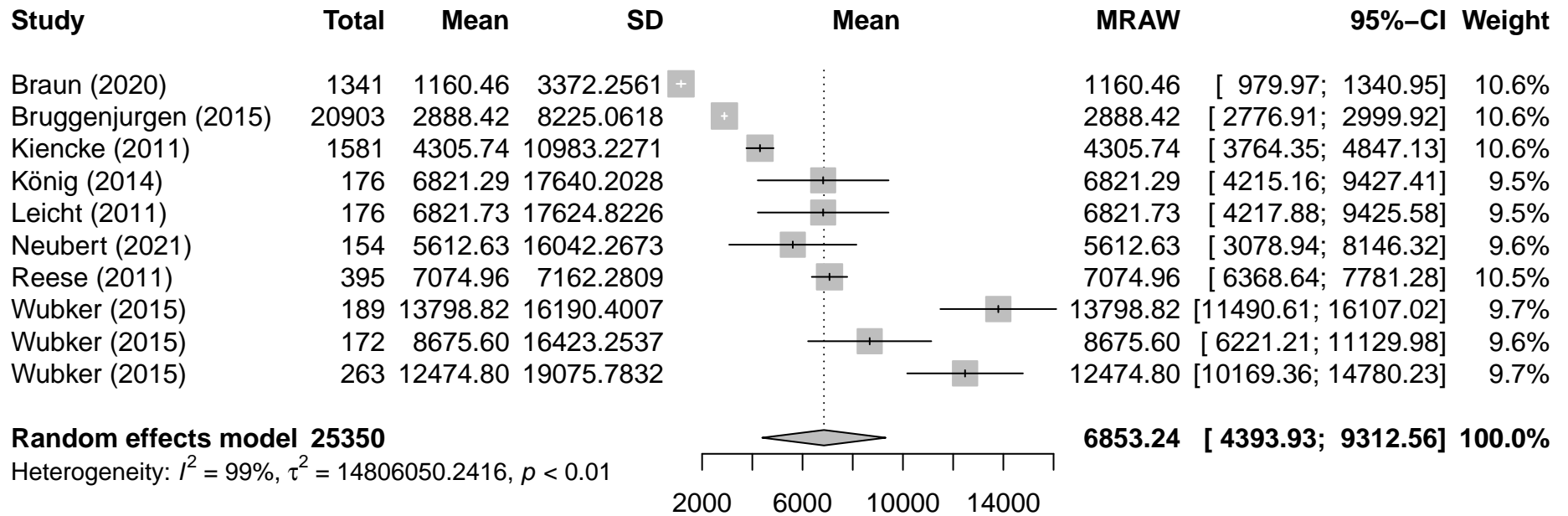




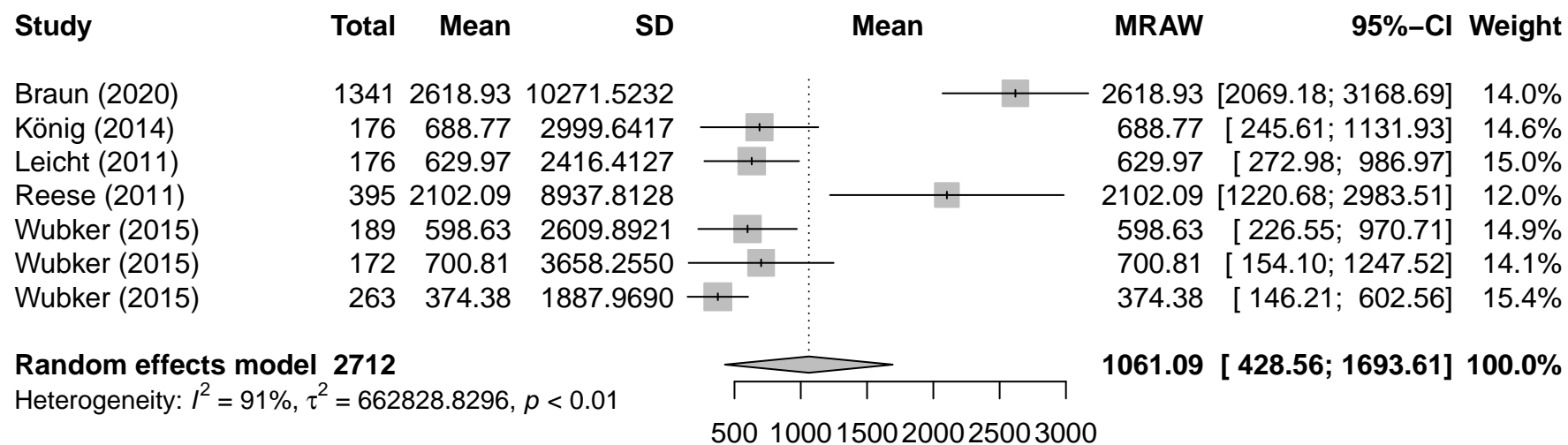
Western Europe, All, All, Institutional care



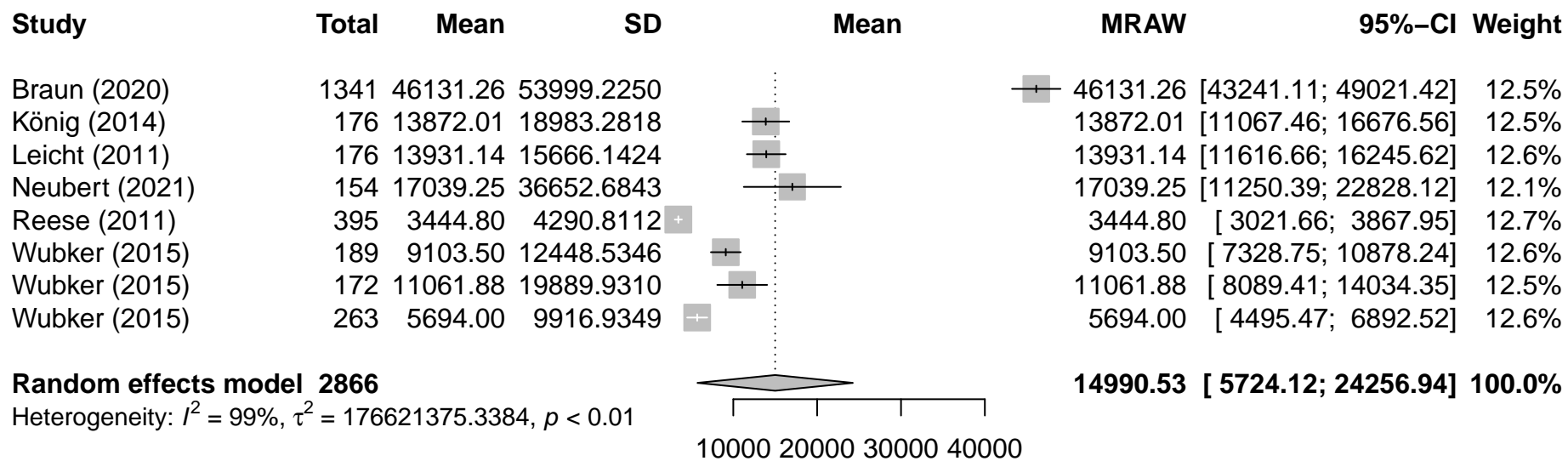
Western Europe, All, All, Community care



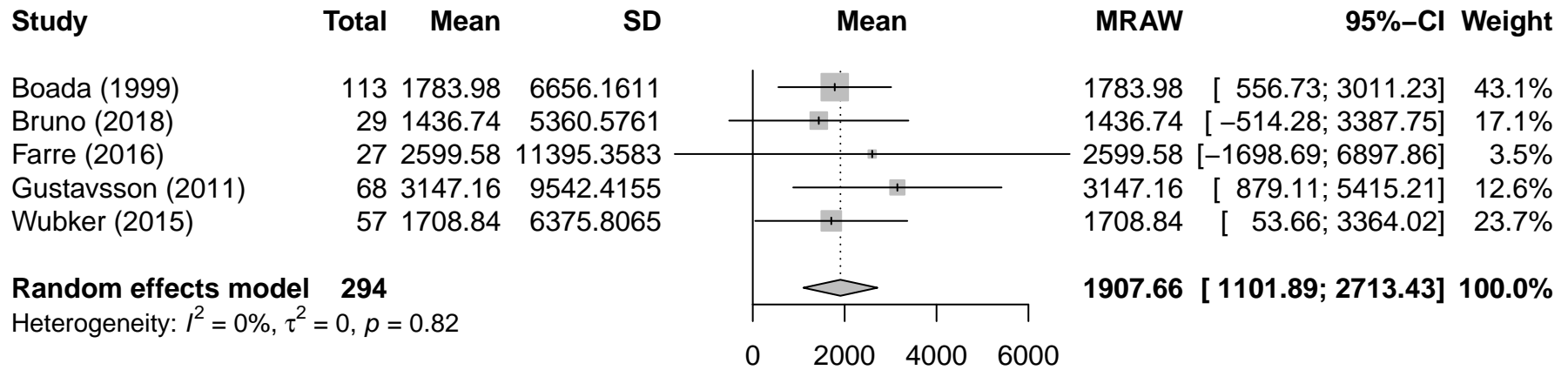
Western Europe, All, All, Caregiver work loss



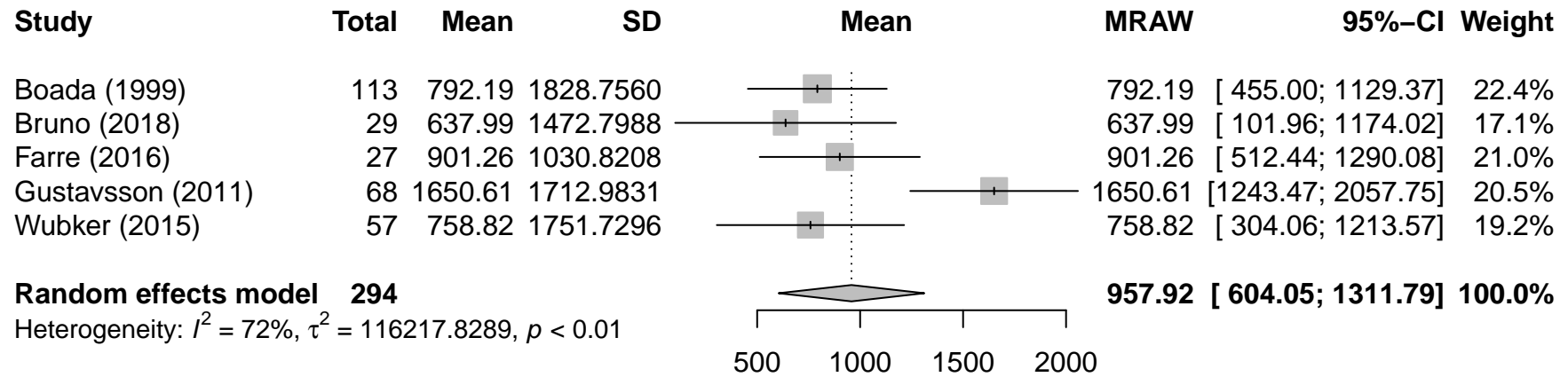
Western Europe, All, All, Caregiver time



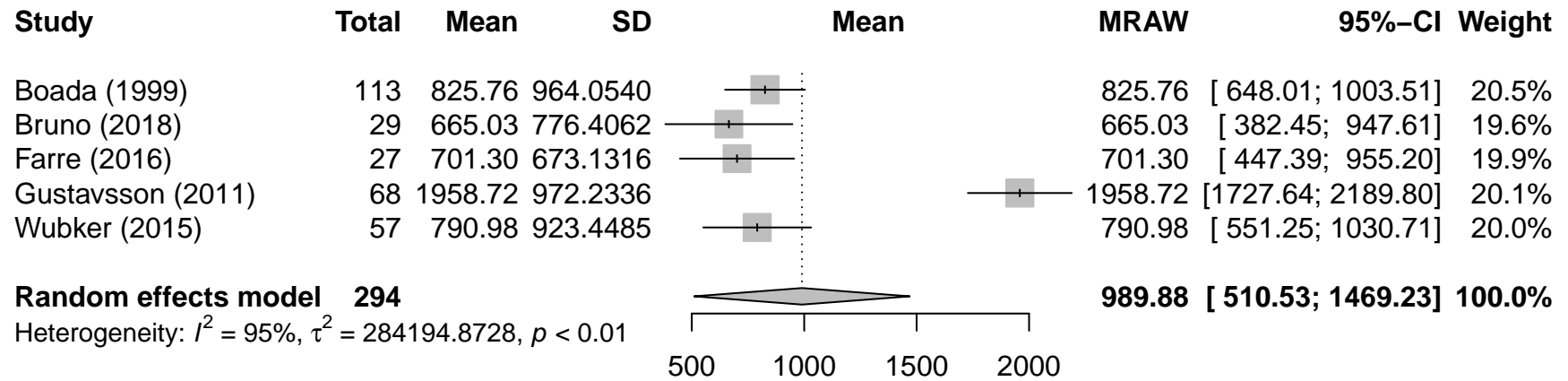
Southern Europe, Community, Mild, Inpatient care



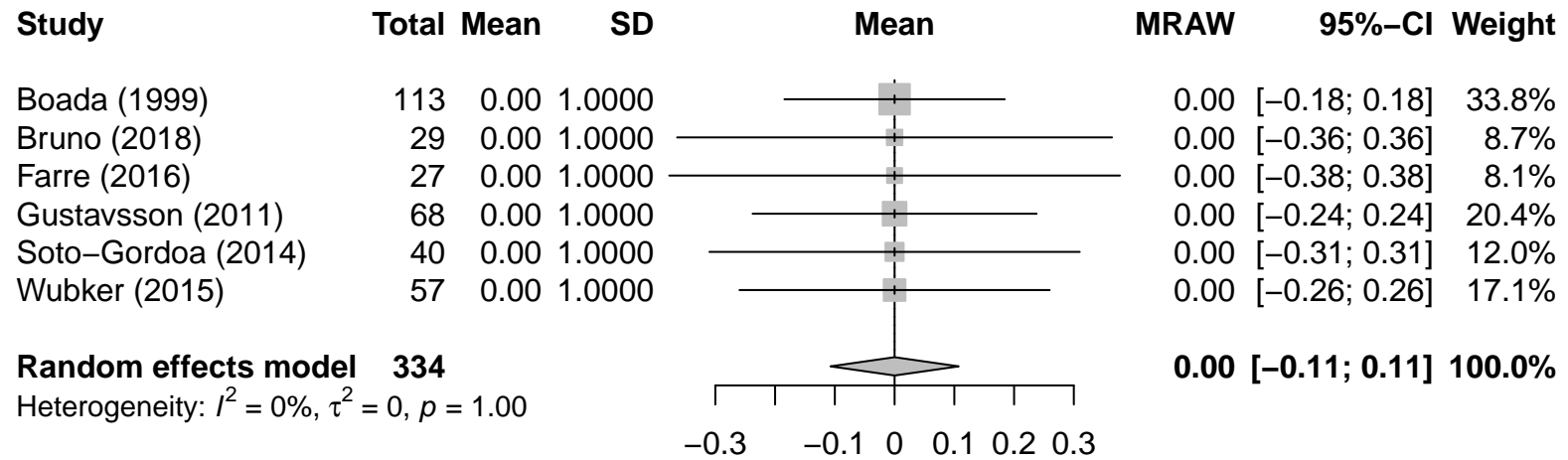
Southern Europe, Community, Mild, Outpatient care



Southern Europe, Community, Mild, Pharmaceuticals

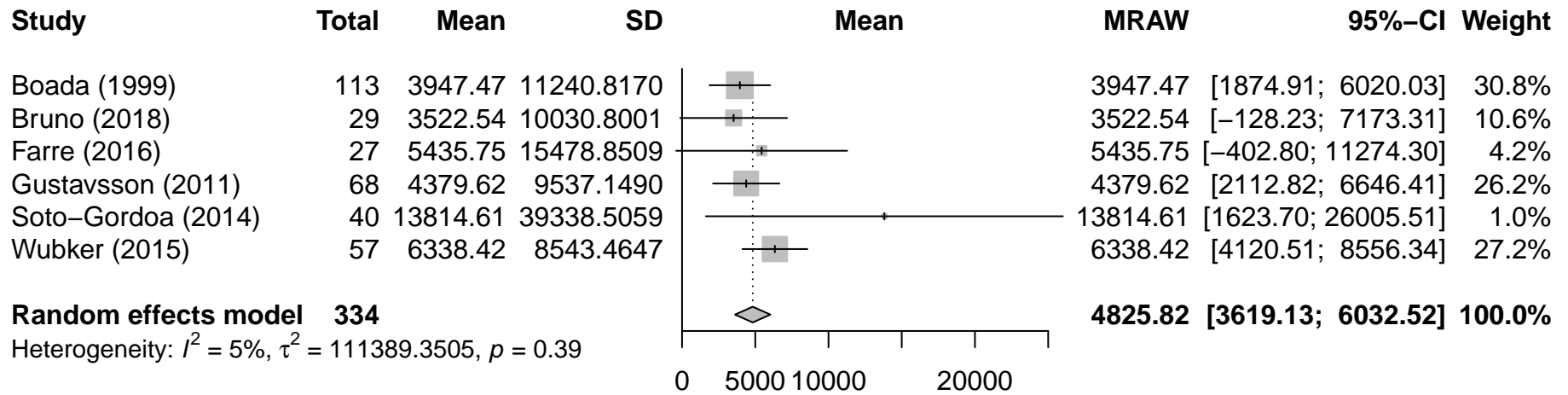


Southern Europe, Community, Mild, Institutional care

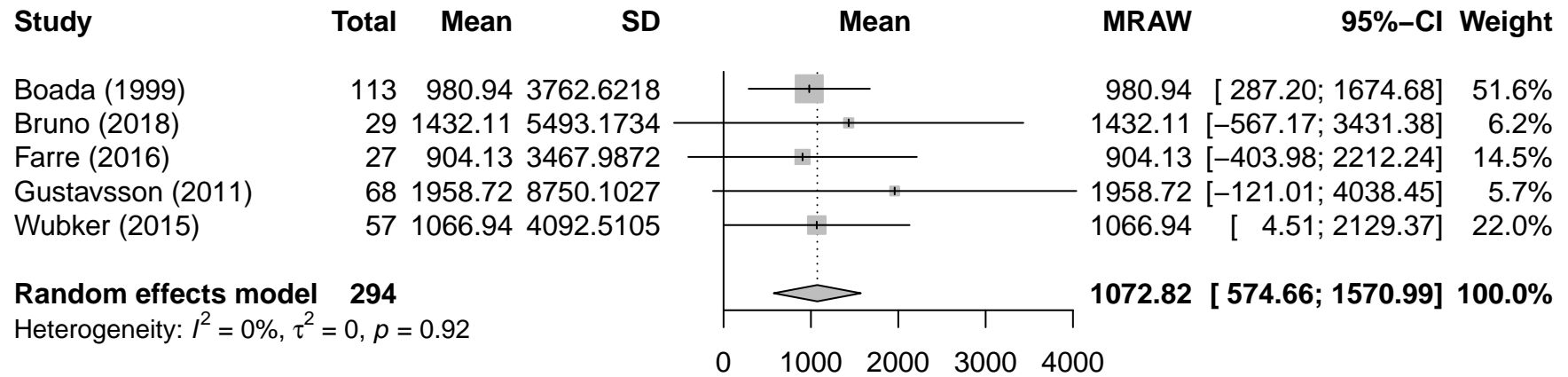




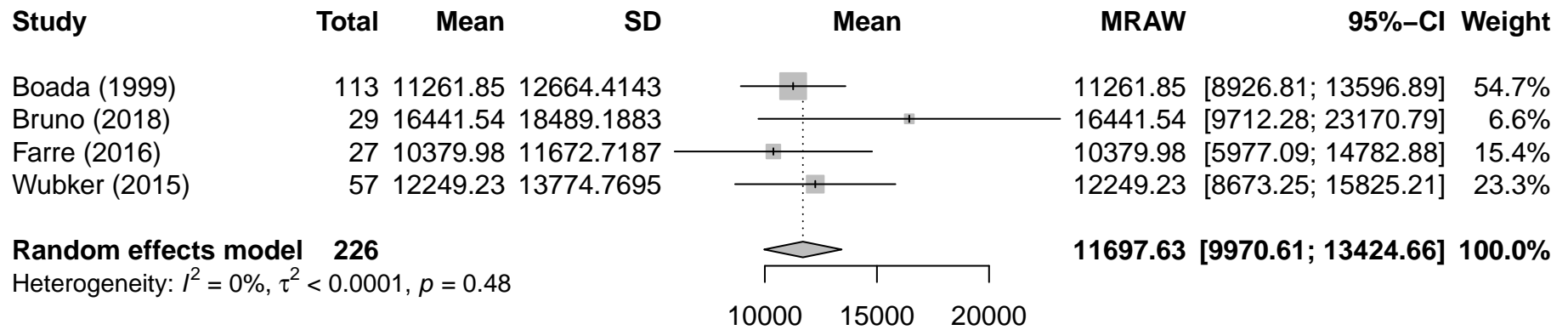
Southern Europe, Community, Mild, Community care



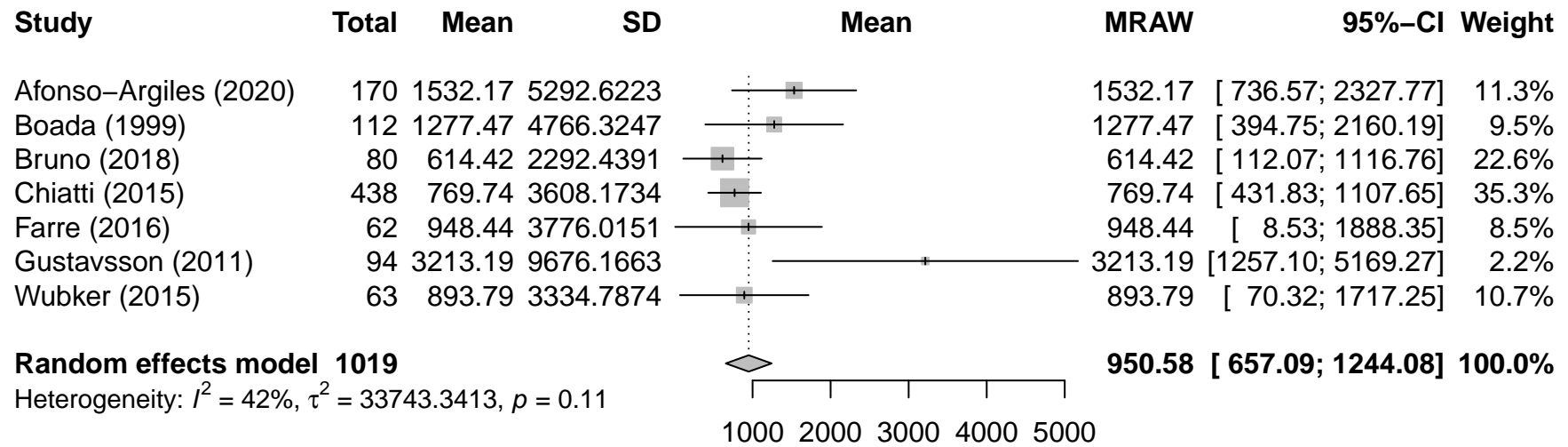
Southern Europe, Community, Mild, Caregiver work loss



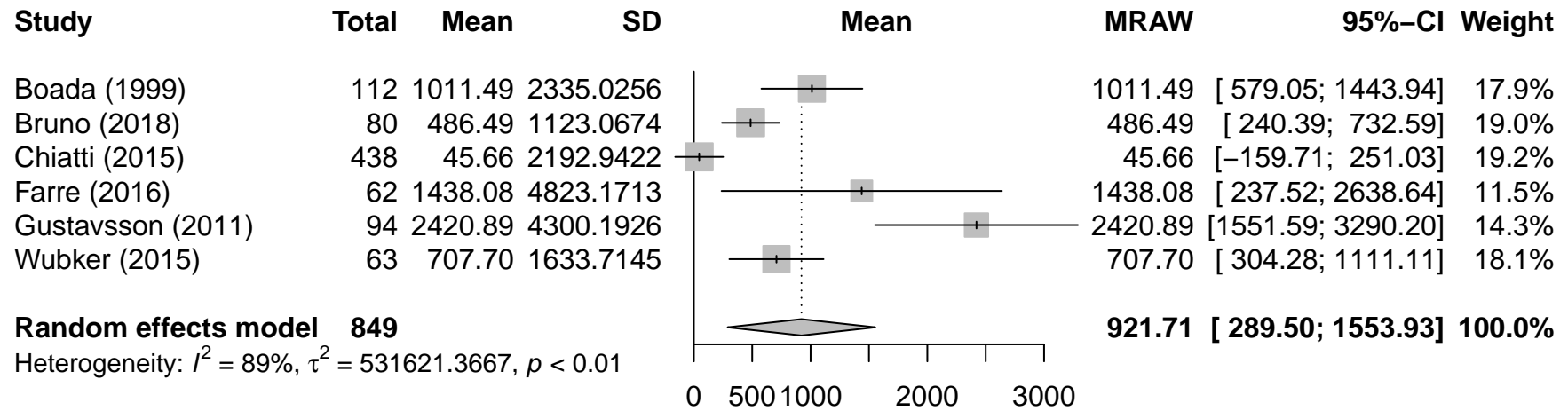
Southern Europe, Community, Mild, Caregiver time



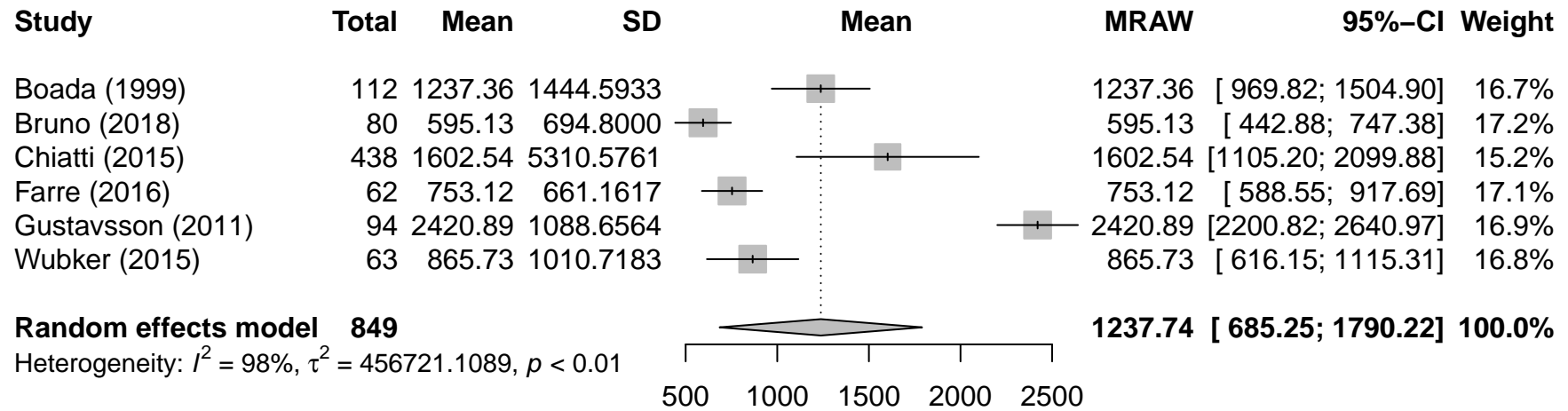
Southern Europe, Community, Moderate, Inpatient care



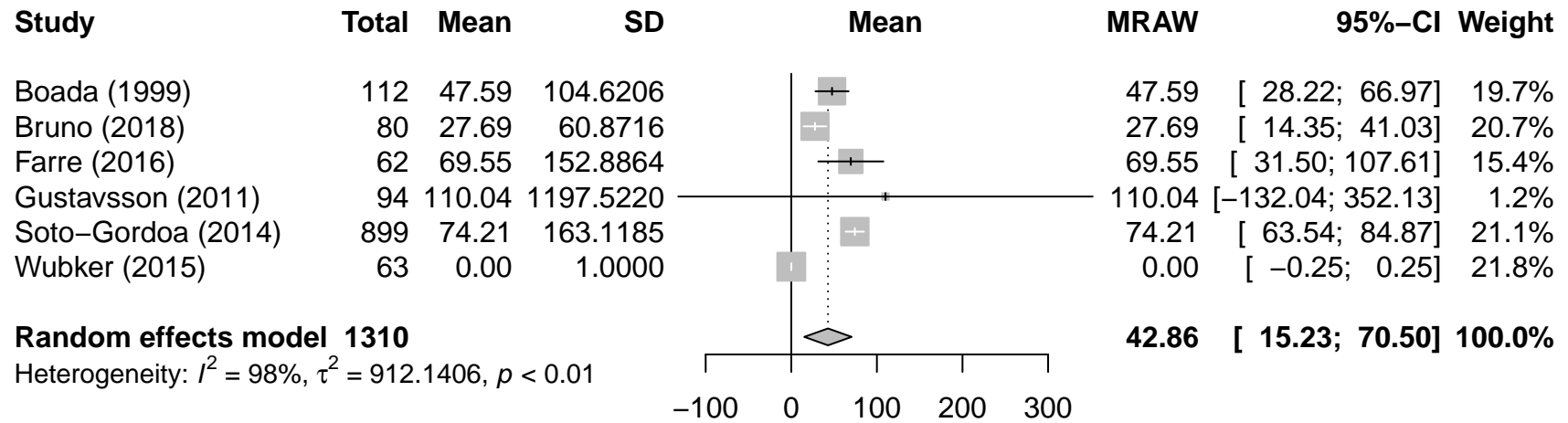
Southern Europe, Community, Moderate, Outpatient care



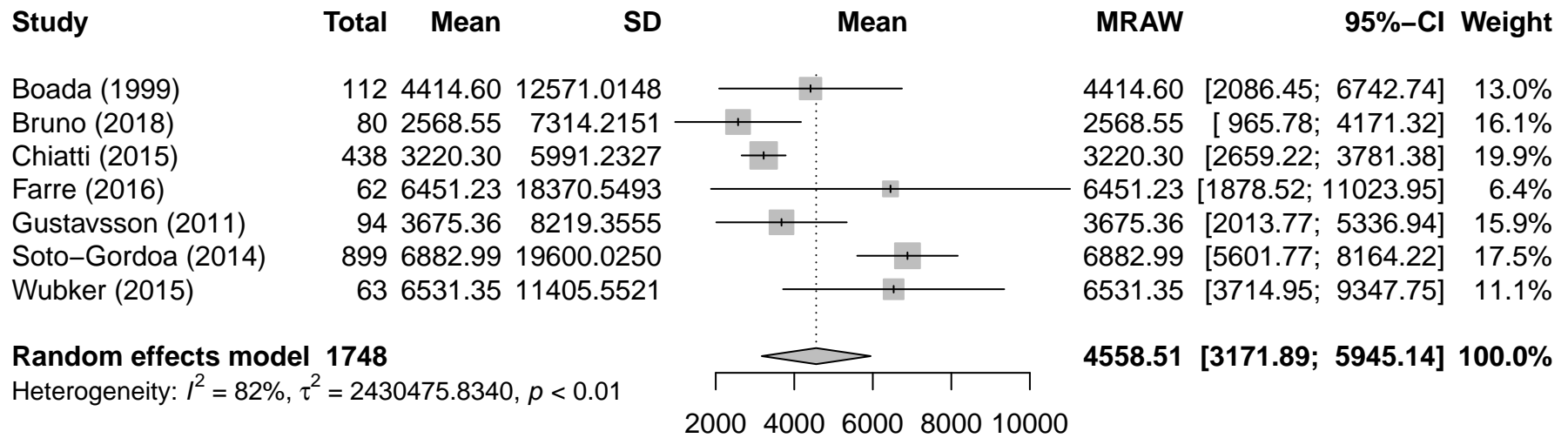
Southern Europe, Community, Moderate, Pharmaceuticals



Southern Europe, Community, Moderate, Institutional care

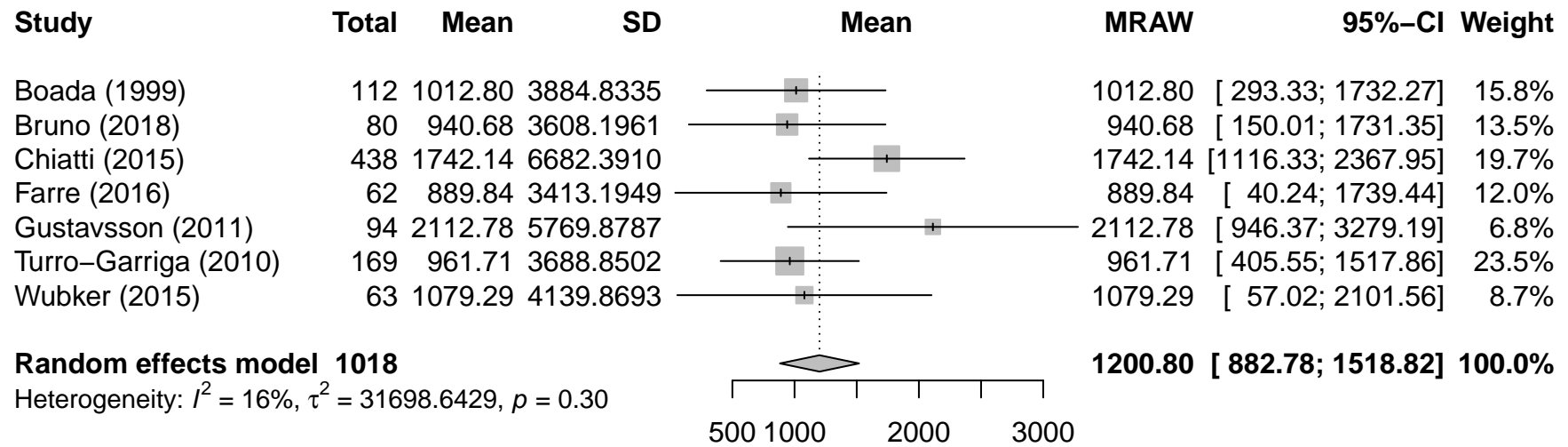


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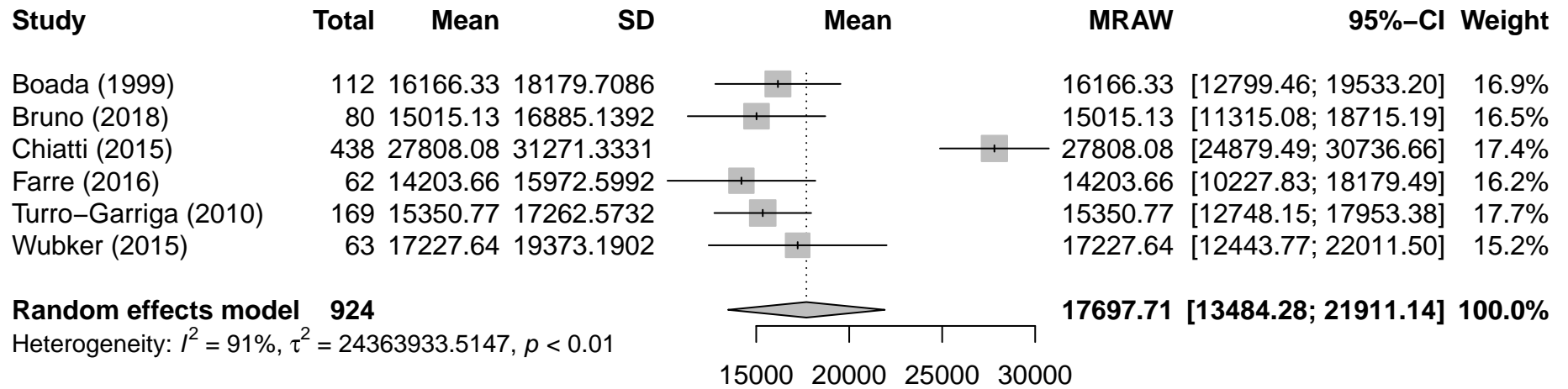




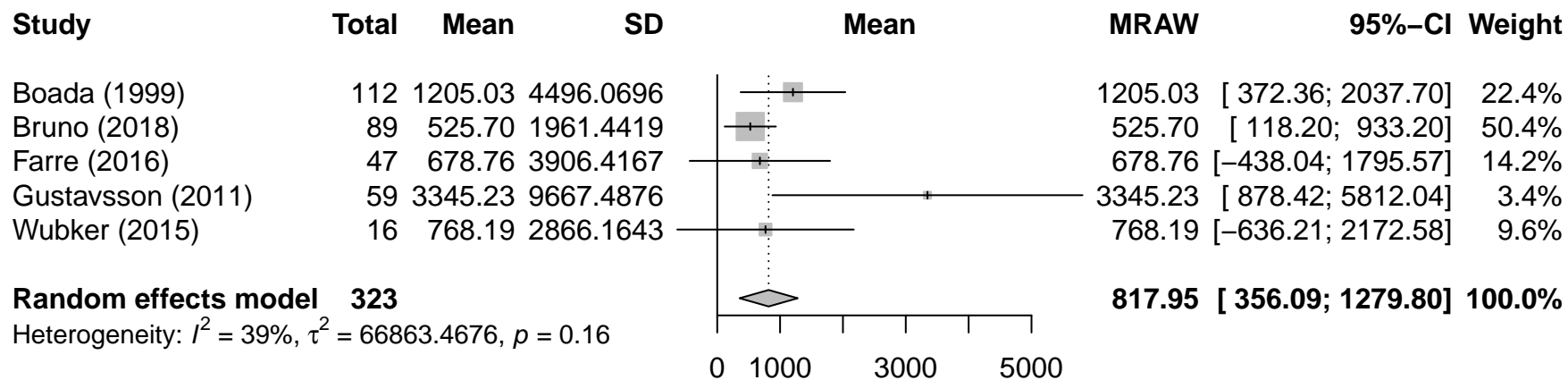
Southern Europe, Community, Moderate, Caregiver work loss



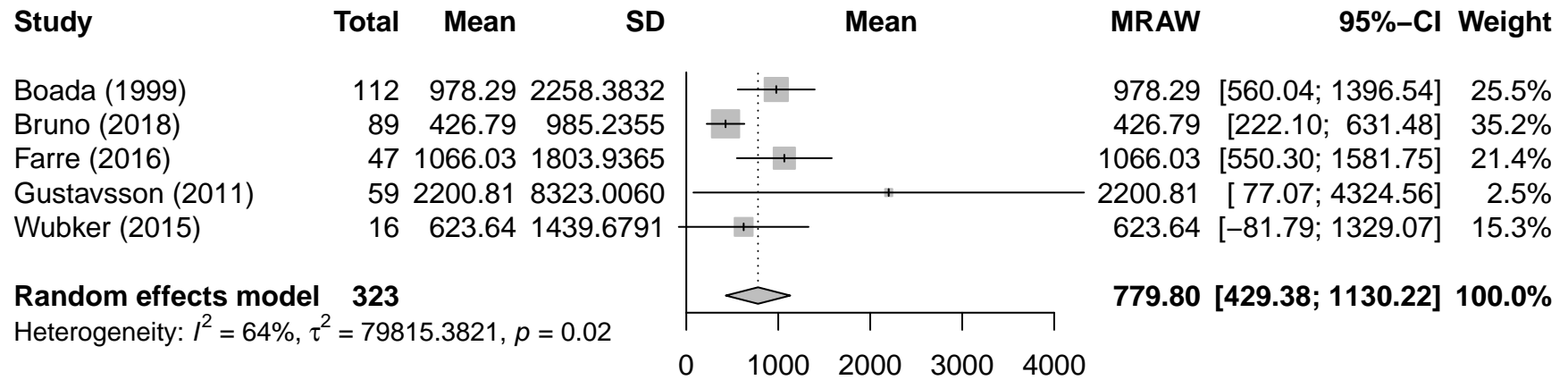
Southern Europe, Community, Moderate, Caregiver time



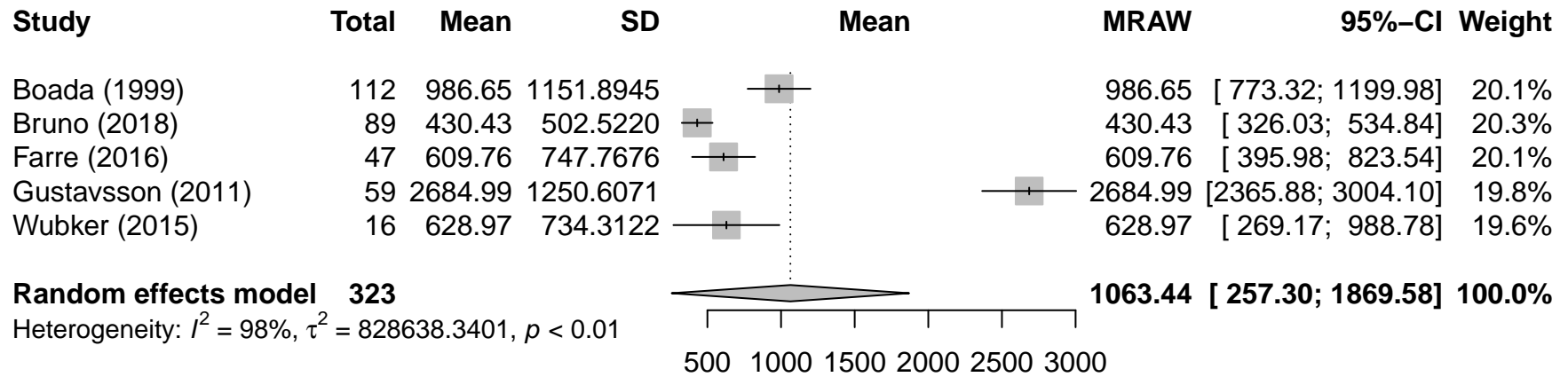
Southern Europe, Community, Severe, Inpatient care



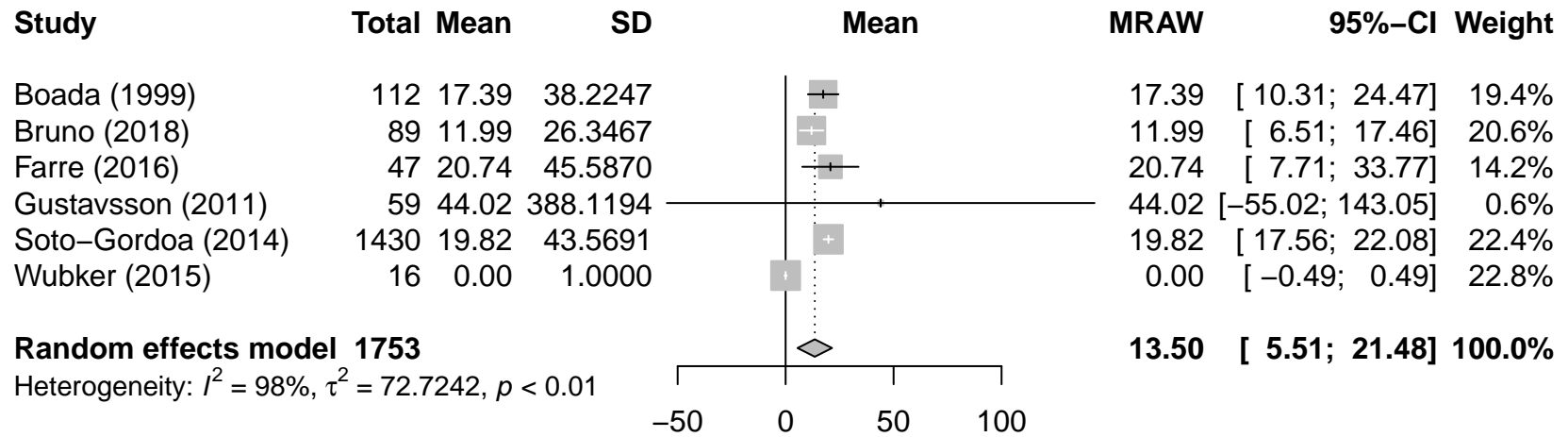
Southern Europe, Community, Severe, Outpatient care



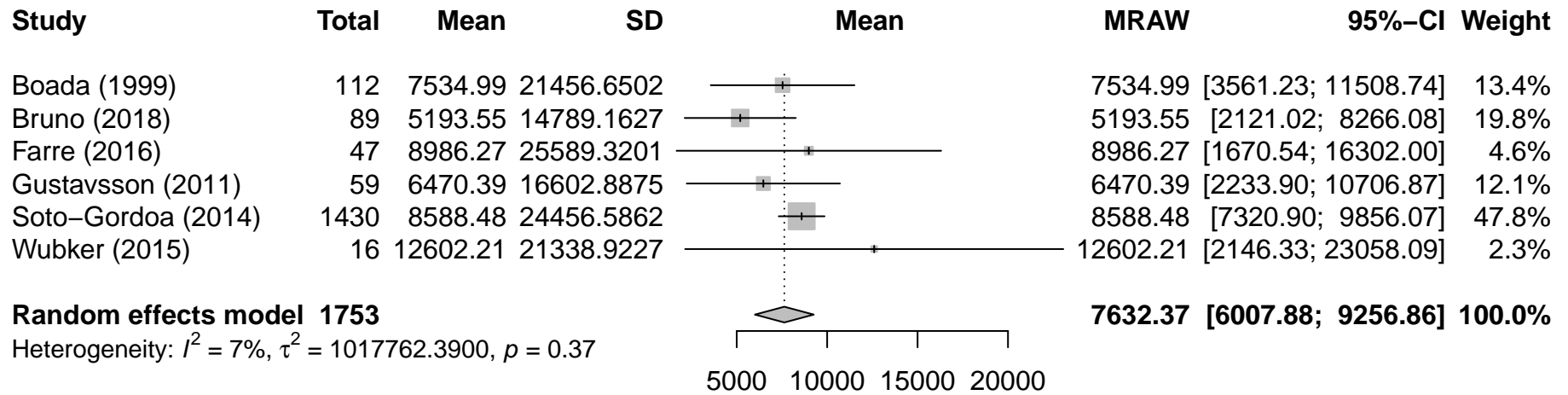
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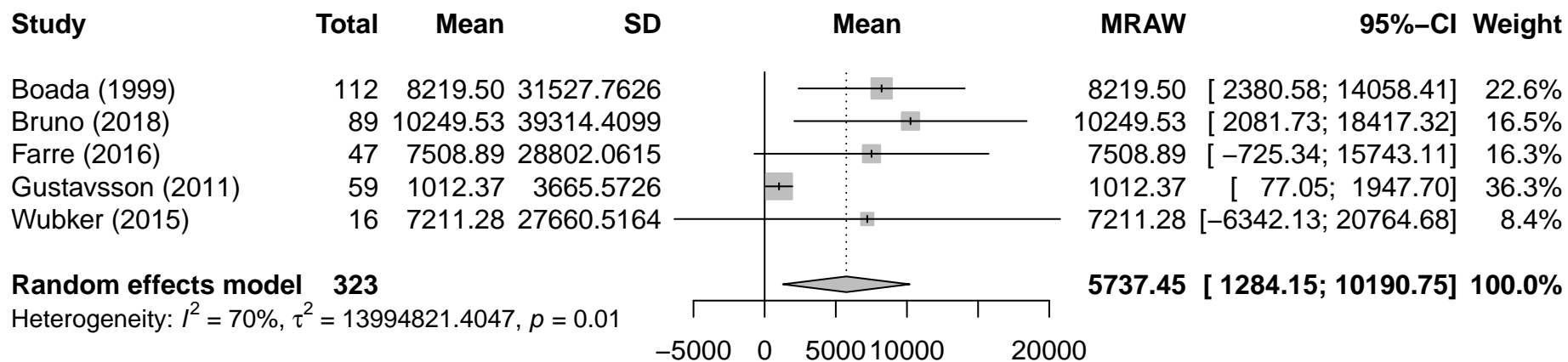
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Southern Europe, Community, Severe, Community care

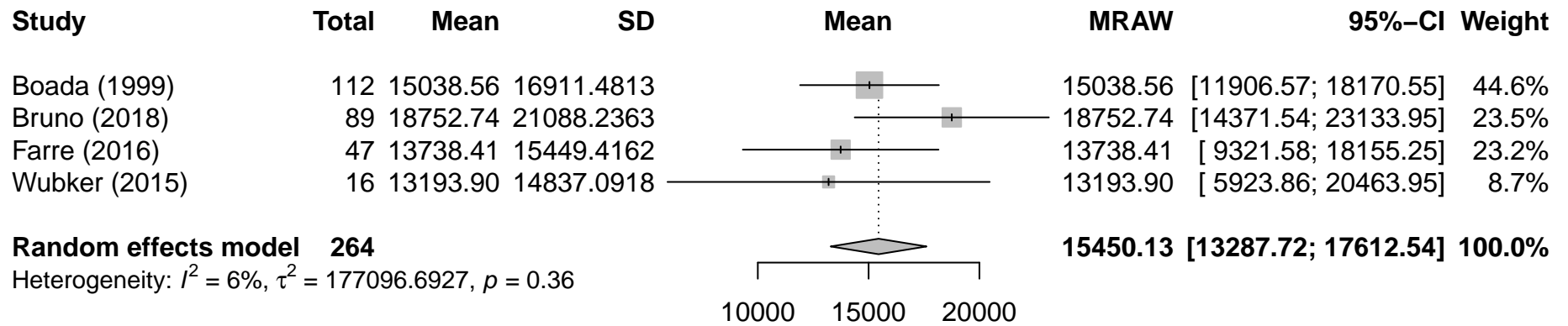


Southern Europe, Community, Severe, Caregiver work loss

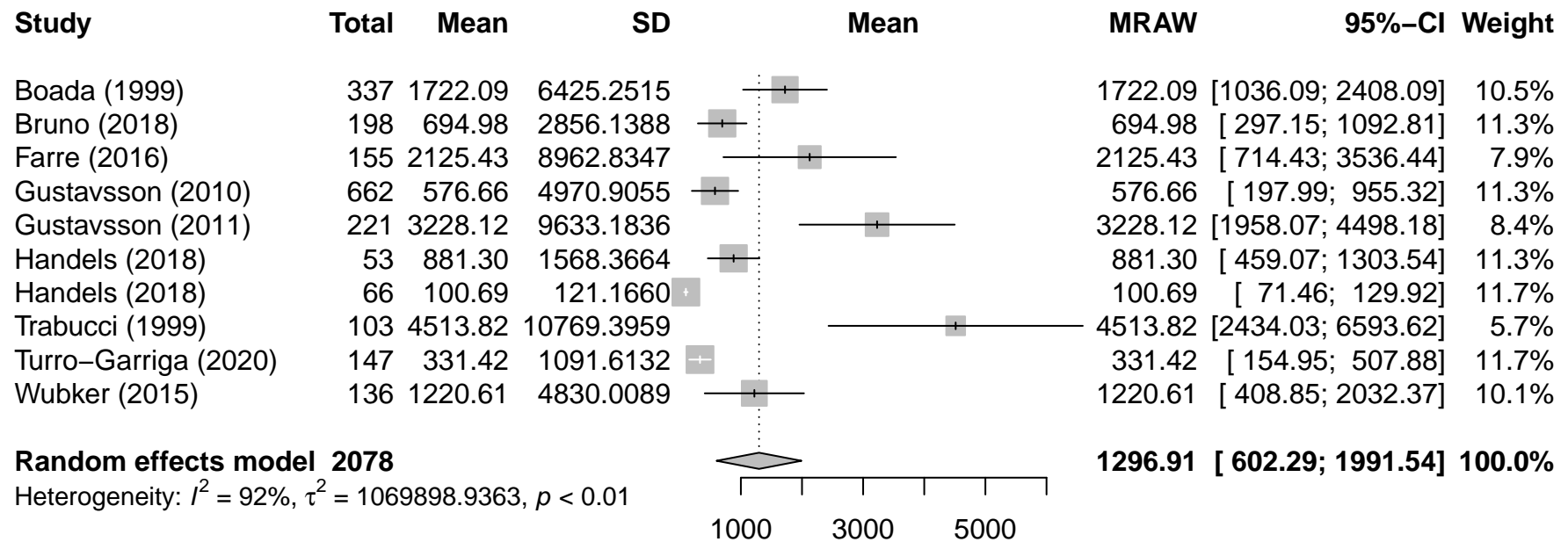




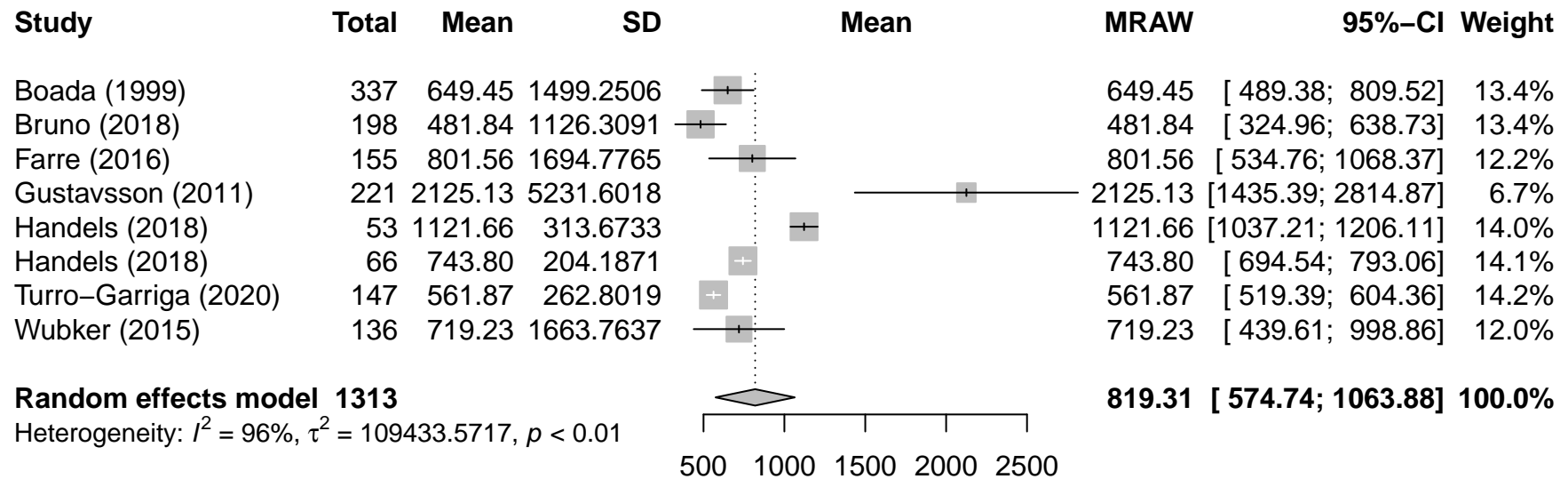
Southern Europe, Community, Severe, Caregiver time



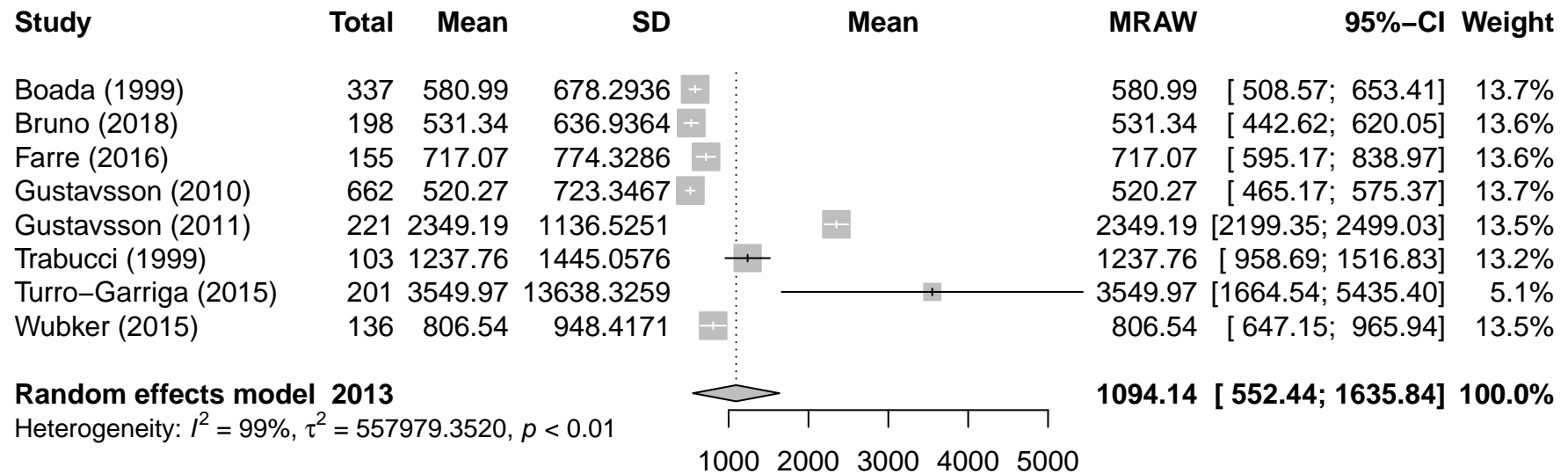
Southern Europe, Community, All, Inpatient care



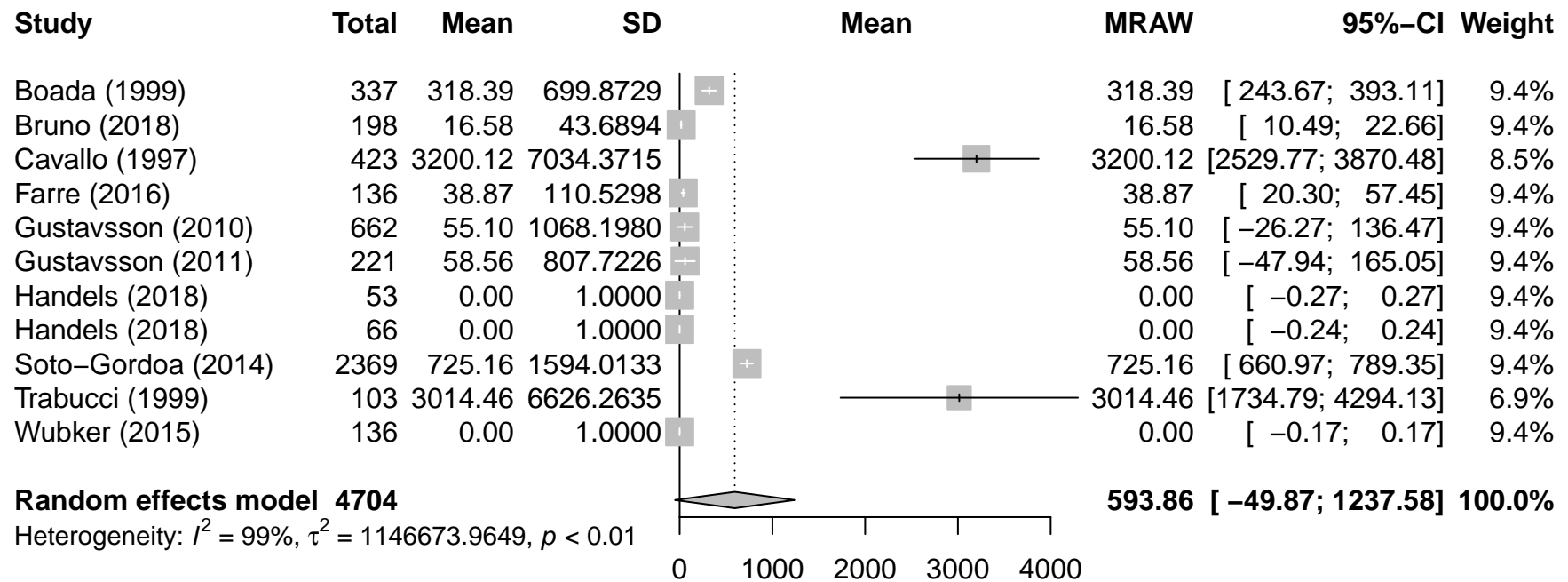
Southern Europe, Community, All, Outpatient care



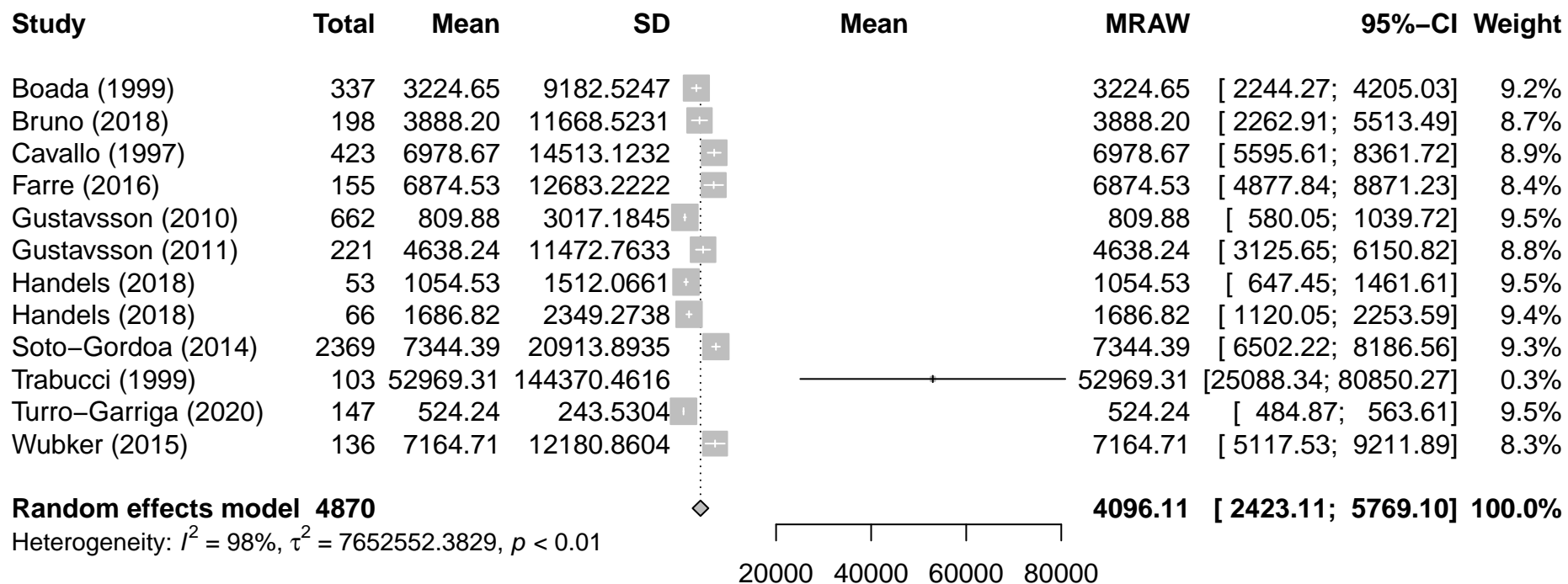
Southern Europe, Community, All, Pharmaceuticals



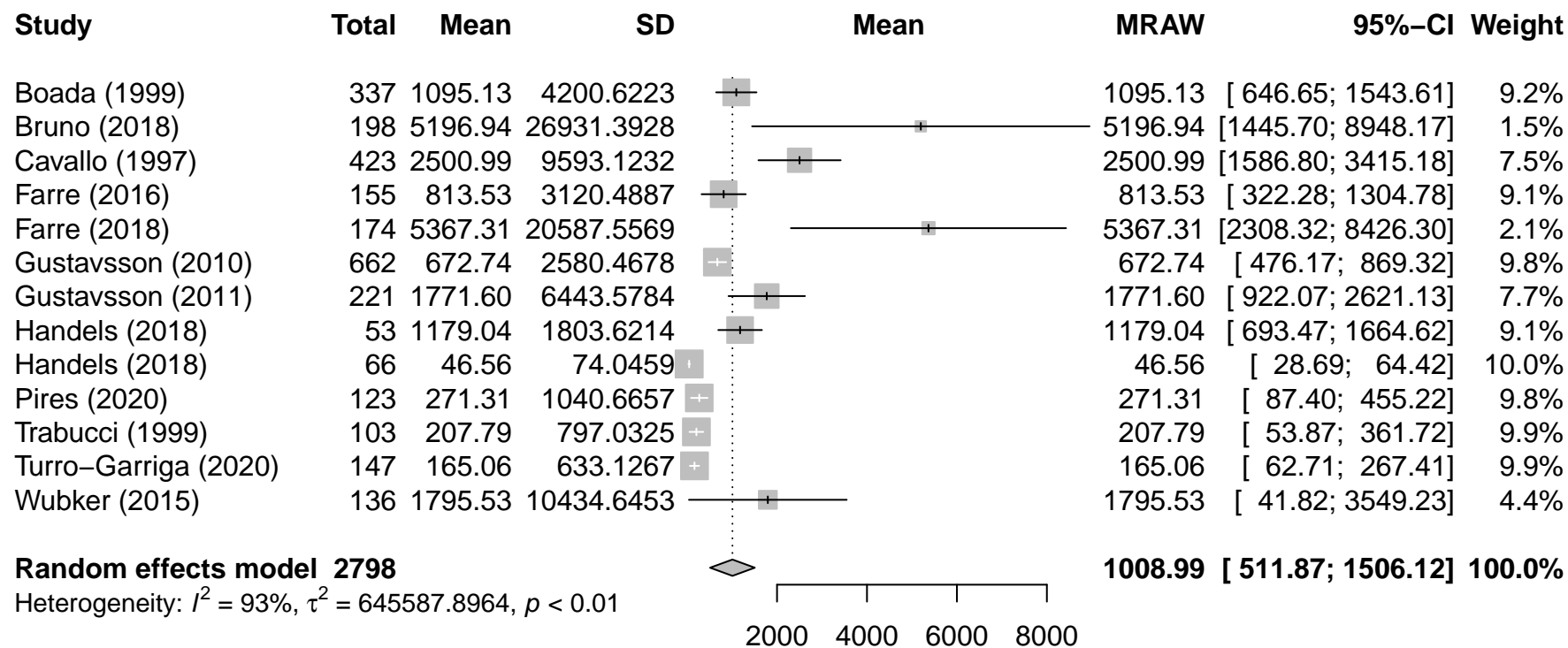
Southern Europe, Community, All, Institutional care



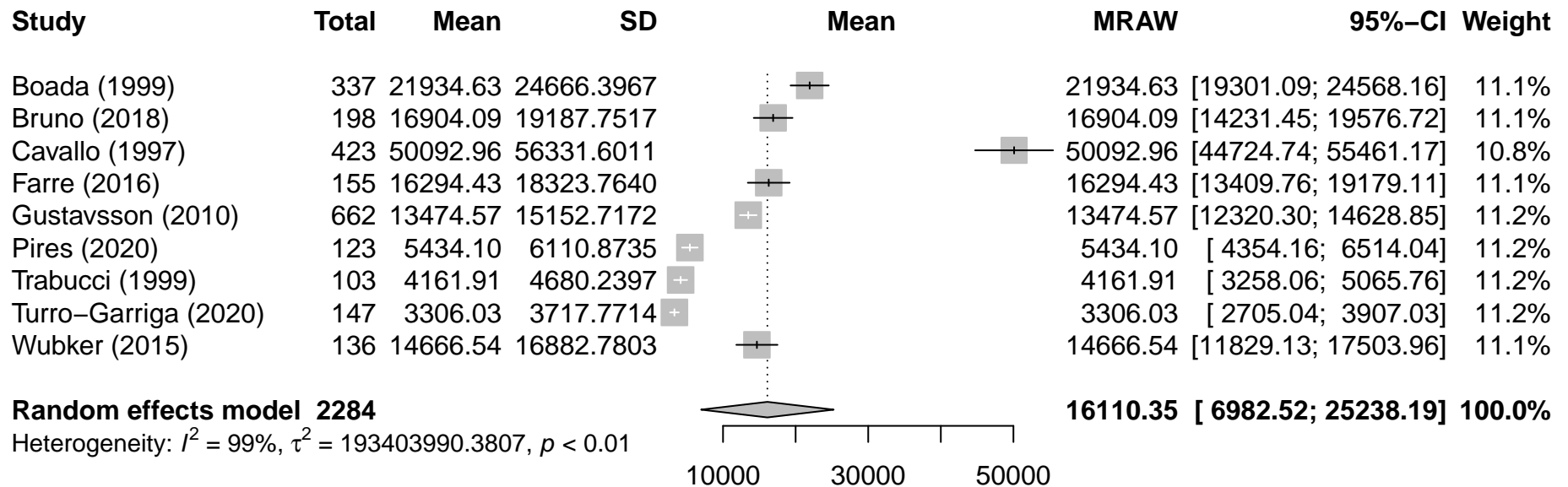
Southern Europe, Community, All, Community care



Southern Europe, Community, All, Caregiver work loss

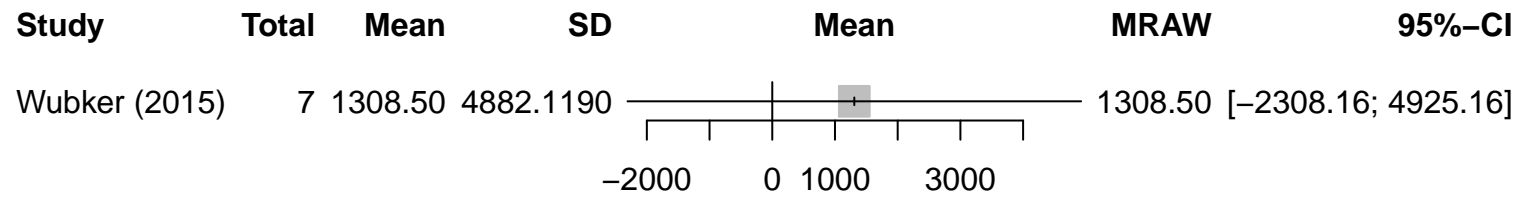


Southern Europe, Community, All, Caregiver time

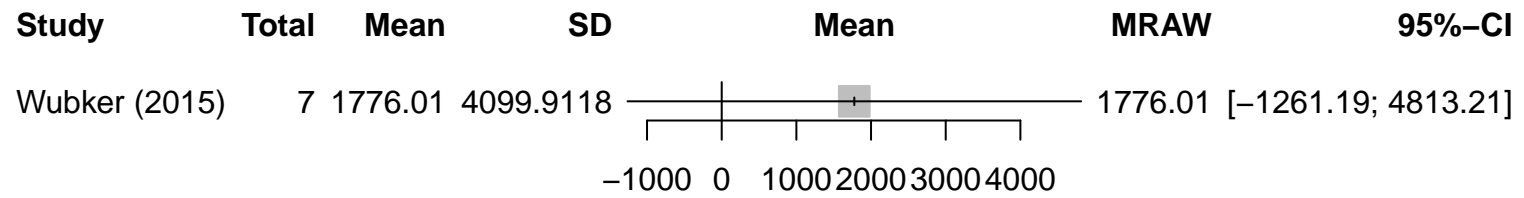




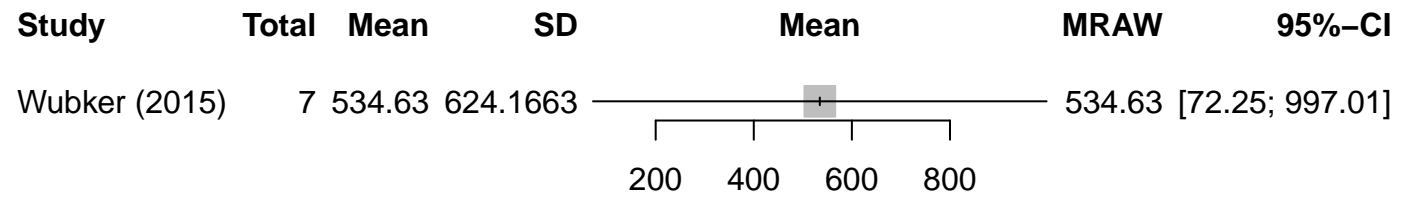
Southern Europe, Institution, Mild, Inpatient care



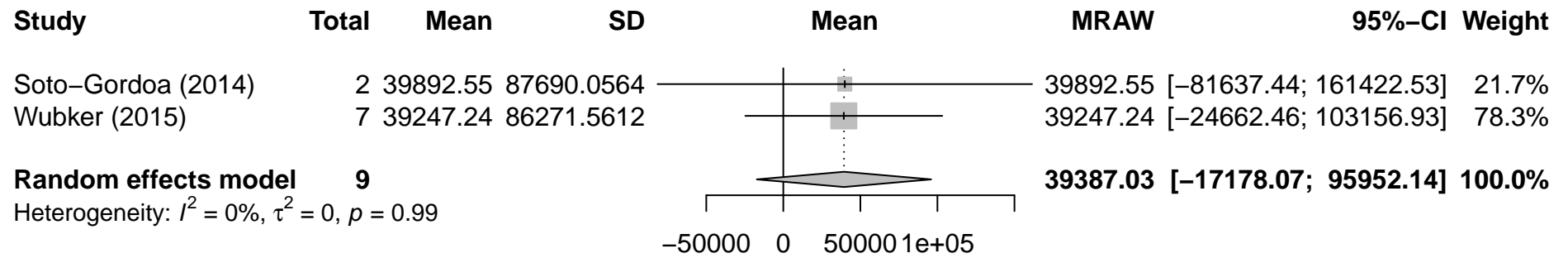
Southern Europe, Institution, Mild, Outpatient care



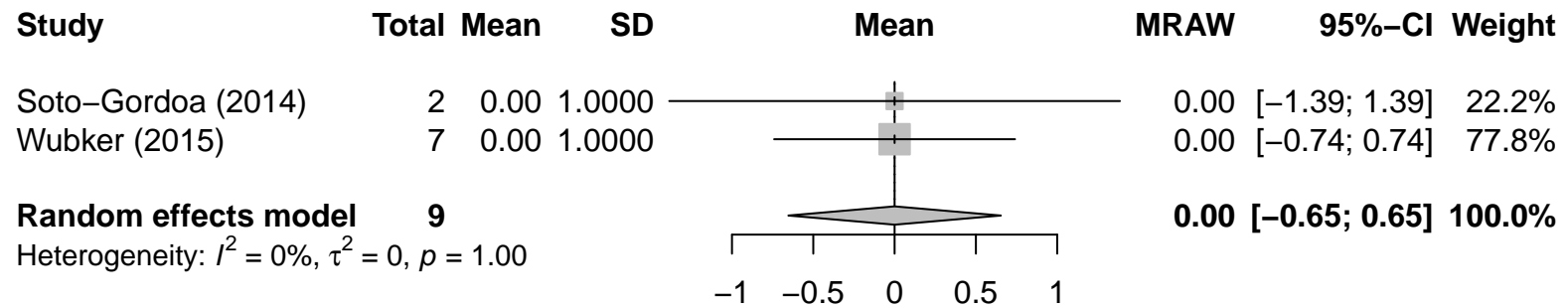
Southern Europe, Institution, Mild, Pharmaceuticals



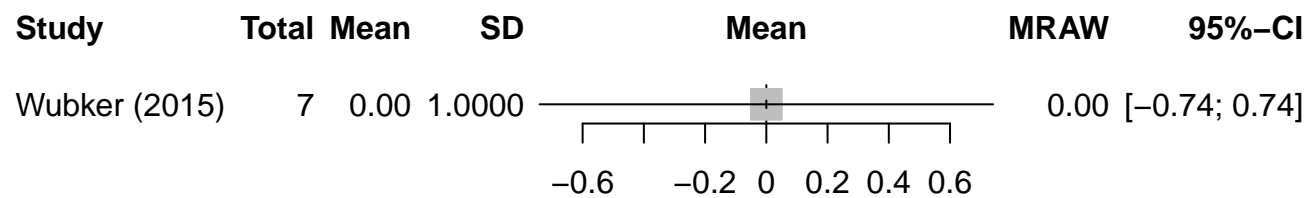
Southern Europe, Institution, Mild, Institutional care



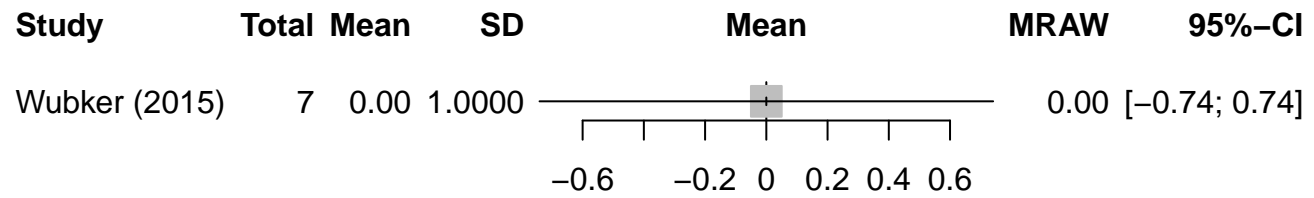
Southern Europe, Institution, Mild, Community care



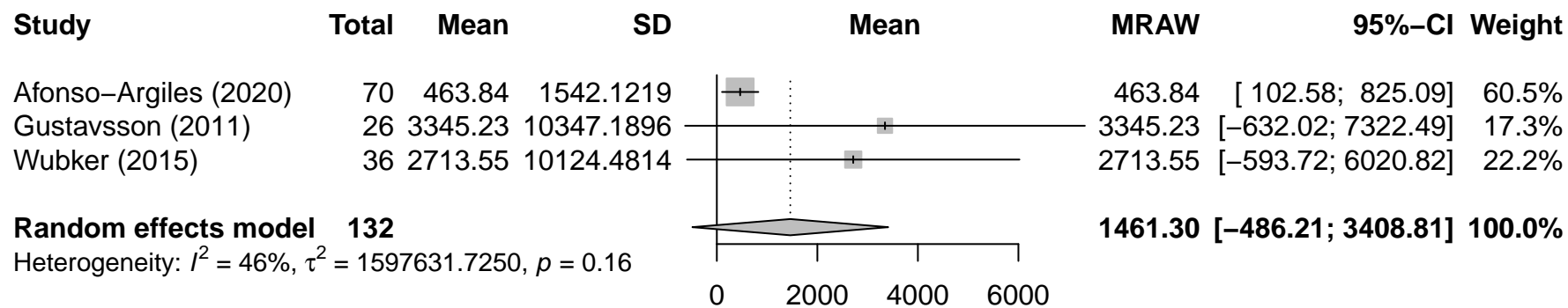
Southern Europe, Institution, Mild, Caregiver work loss



Southern Europe, Institution, Mild, Caregiver time

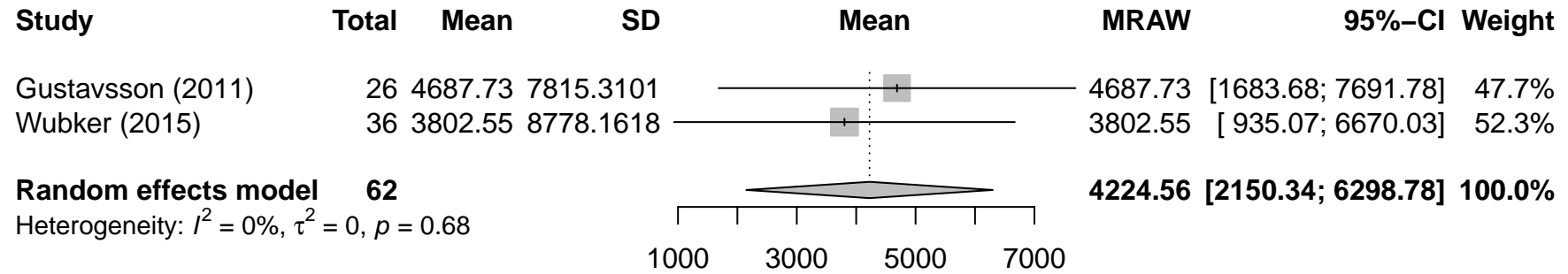


Southern Europe, Institution, Moderate, Inpatient care

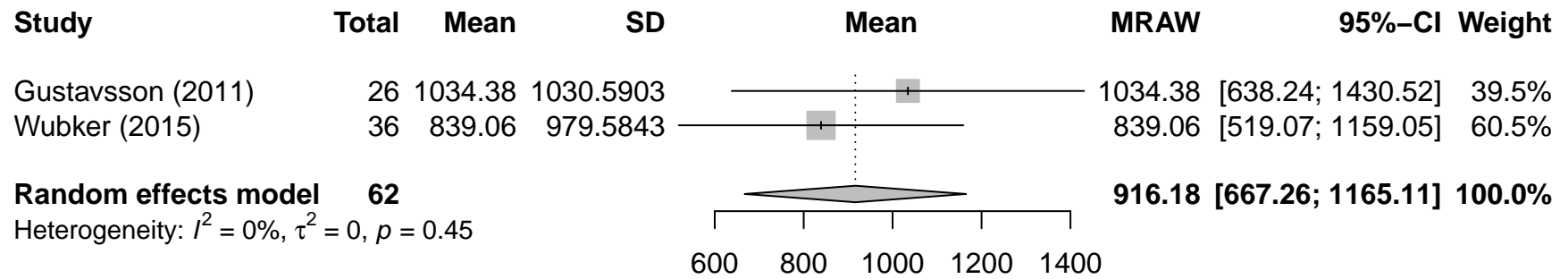




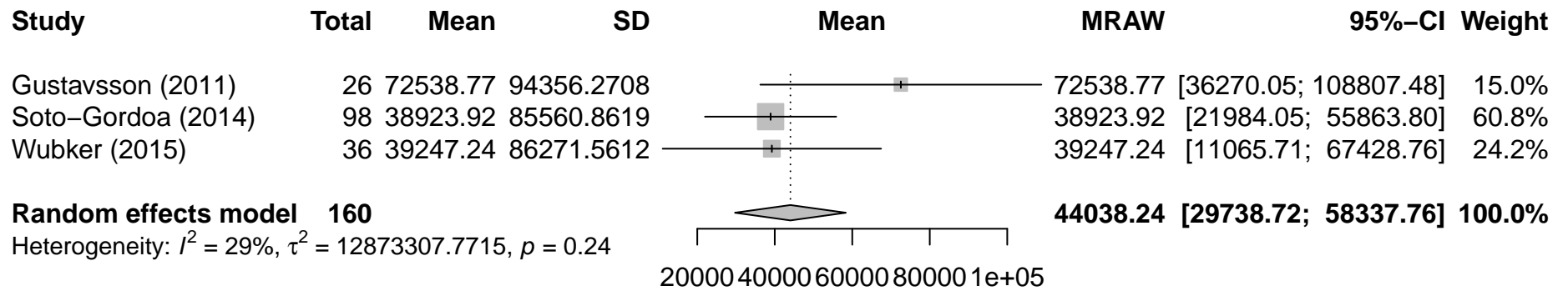
Southern Europe, Institution, Moderate, Outpatient care



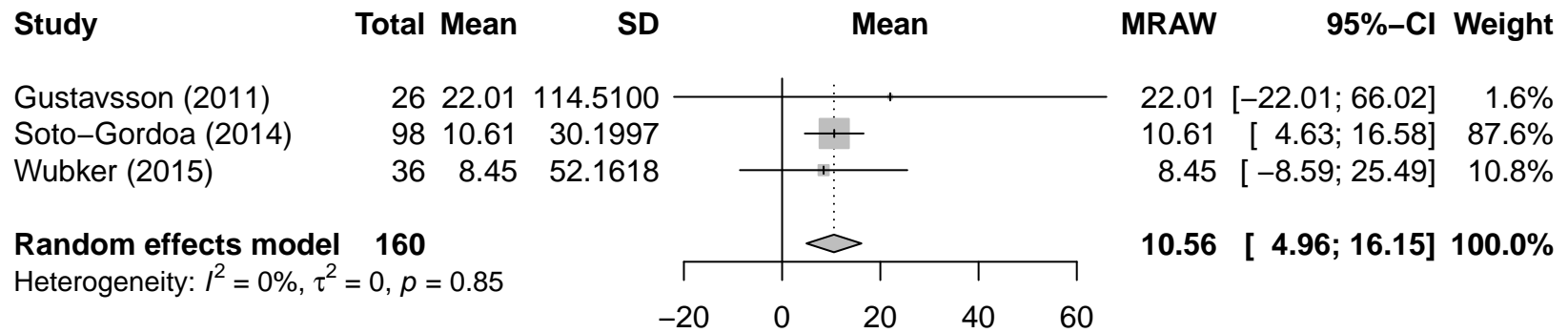
Southern Europe, Institution, Moderate, Pharmaceuticals



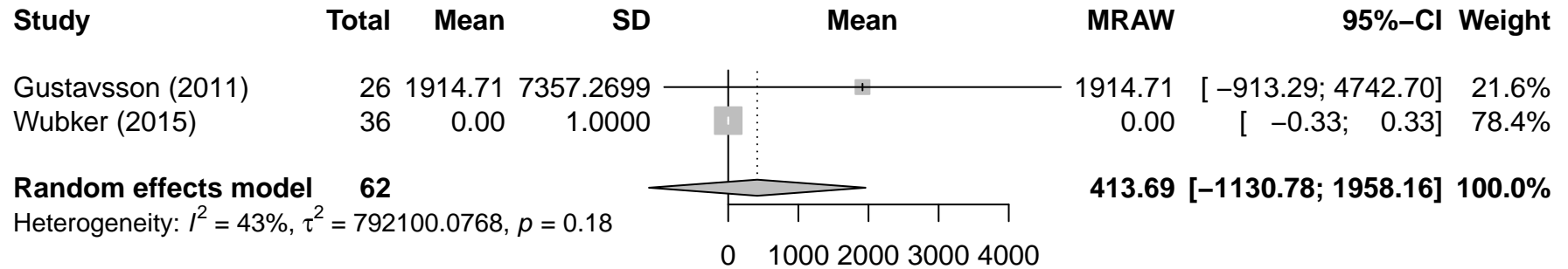
Southern Europe, Institution, Moderate, Institutional care



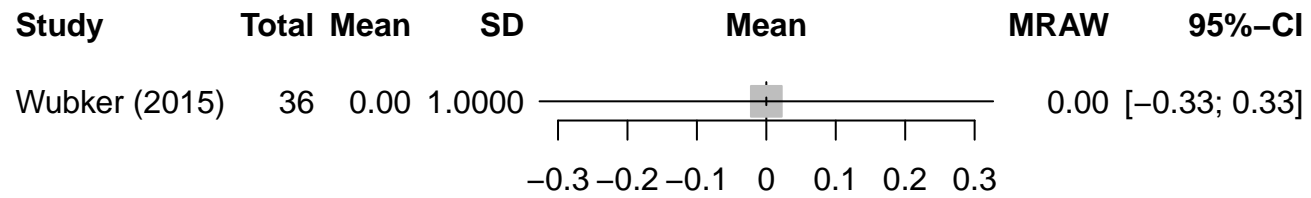
Southern Europe, Institution, Moderate, Community care



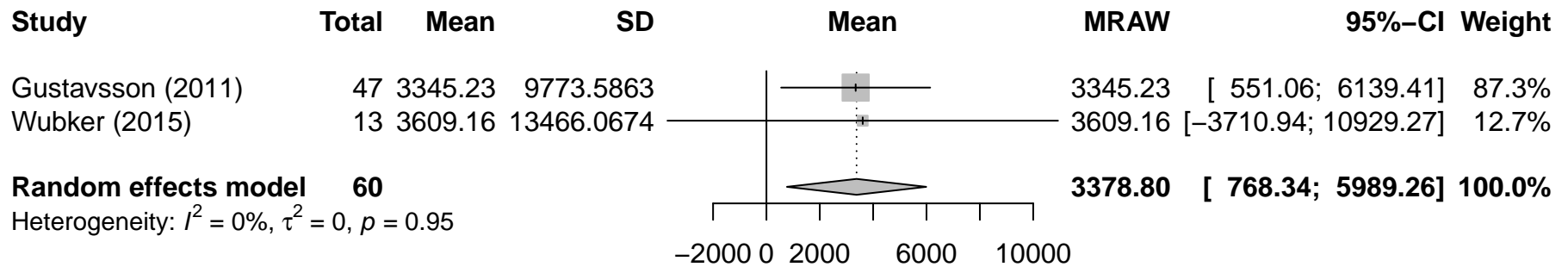
Southern Europe, Institution, Moderate, Caregiver work loss



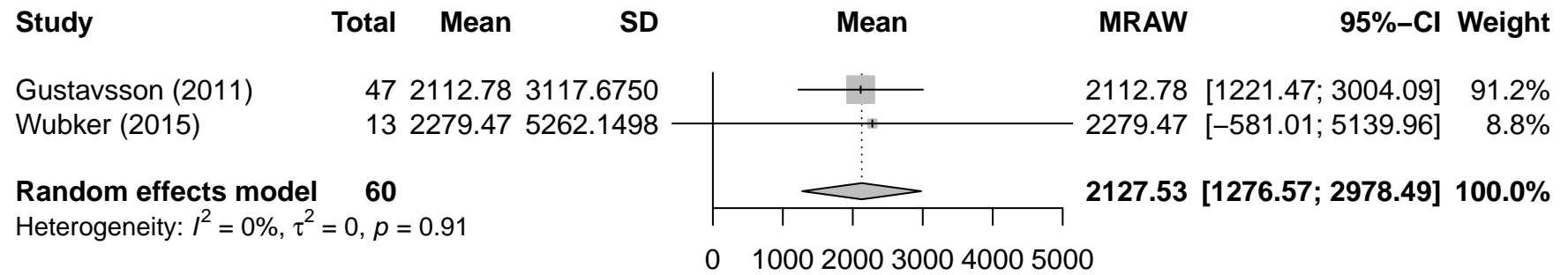
Southern Europe, Institution, Moderate, Caregiver time



Southern Europe, Institution, Severe, Inpatient care

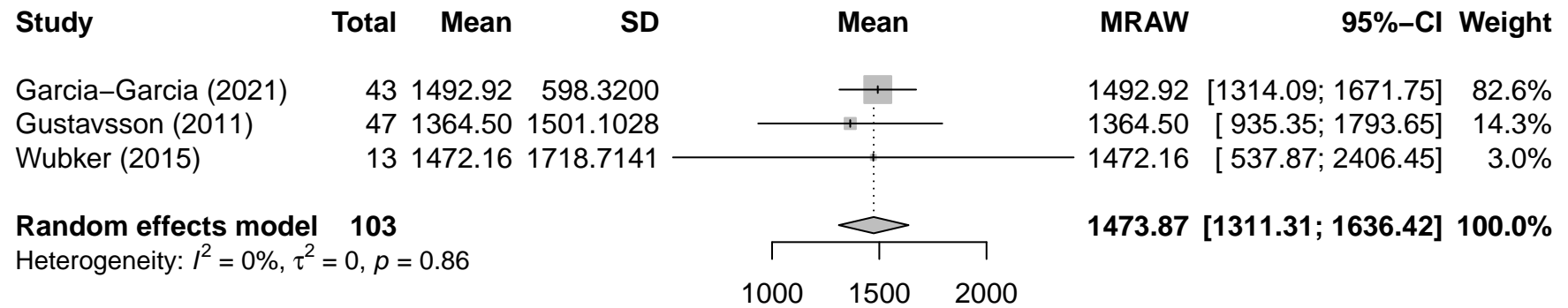


Southern Europe, Institution, Severe, Outpatient care

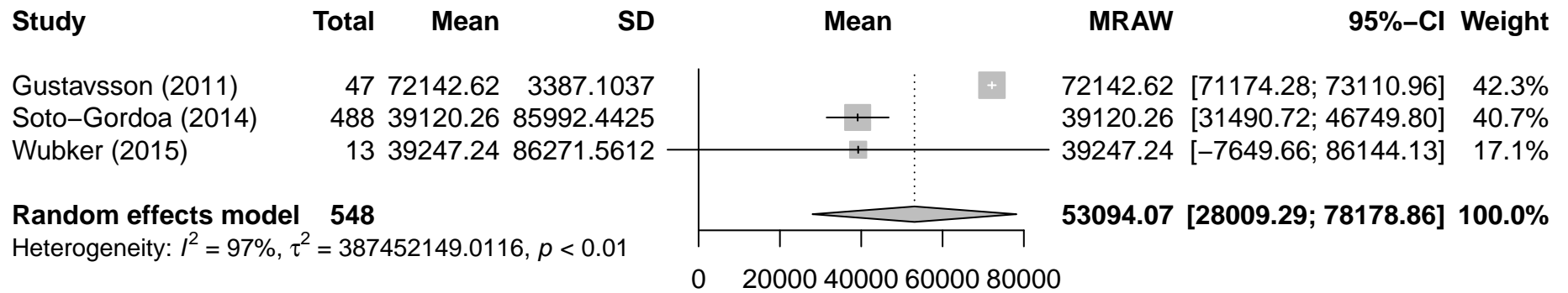




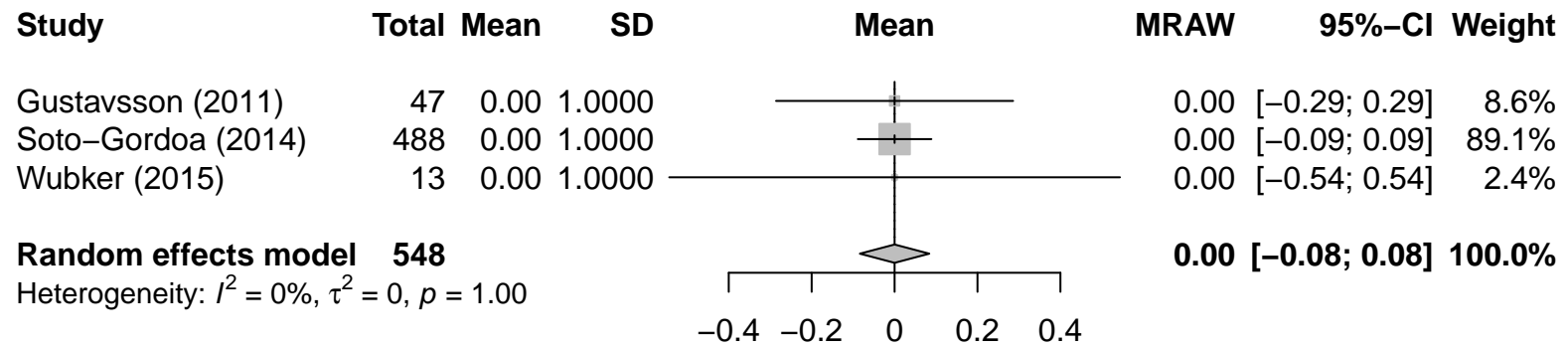
Southern Europe, Institution, Severe, Pharmaceuticals



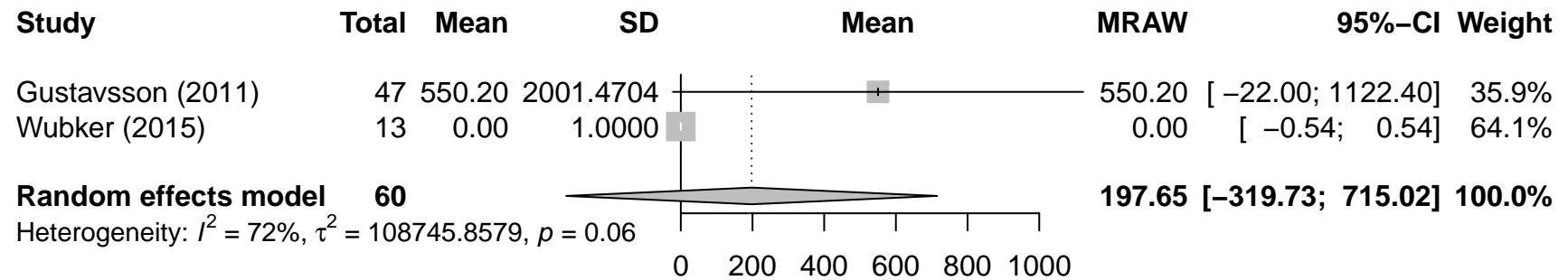
Southern Europe, Institution, Severe, Institutional care



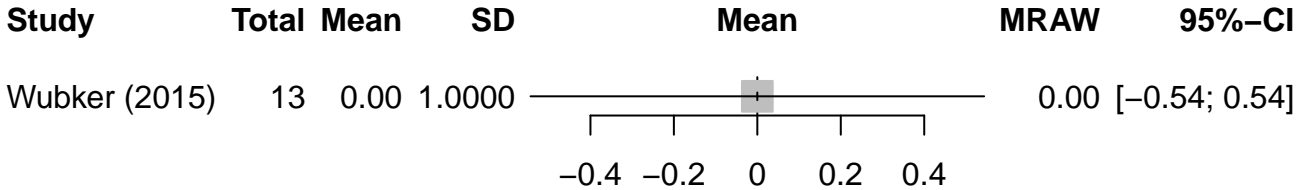
Southern Europe, Institution, Severe, Community care



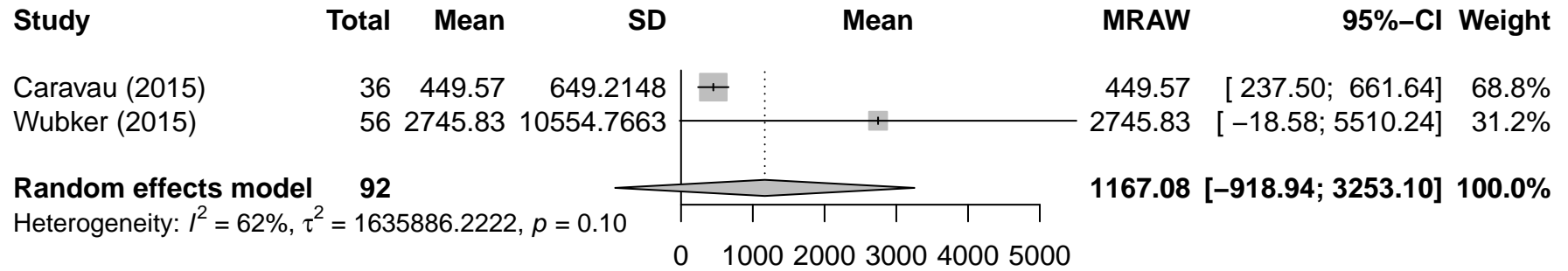
Southern Europe, Institution, Severe, Caregiver work loss



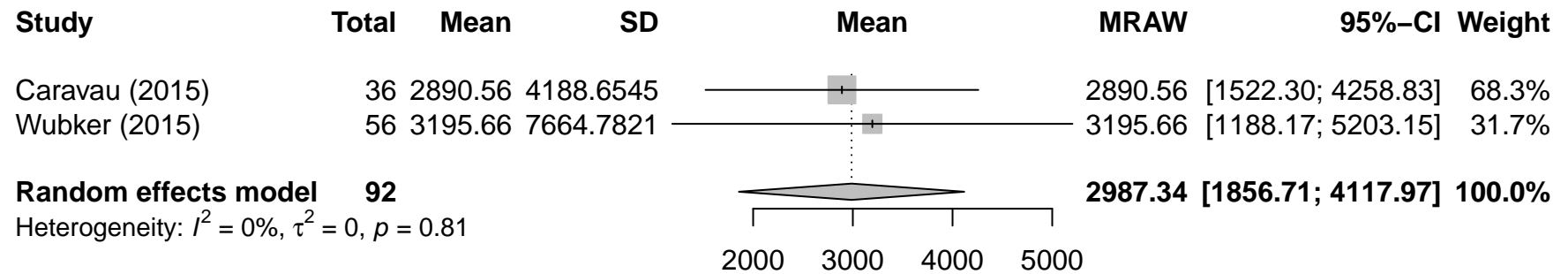
Southern Europe, Institution, Severe, Caregiver time



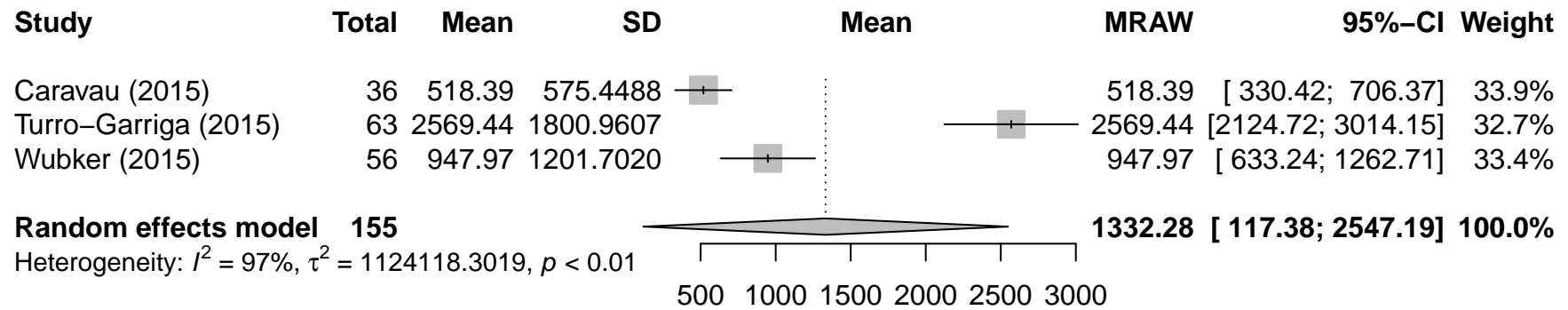
Southern Europe, Institution, All, Inpatient care



Southern Europe, Institution, All, Outpatient care

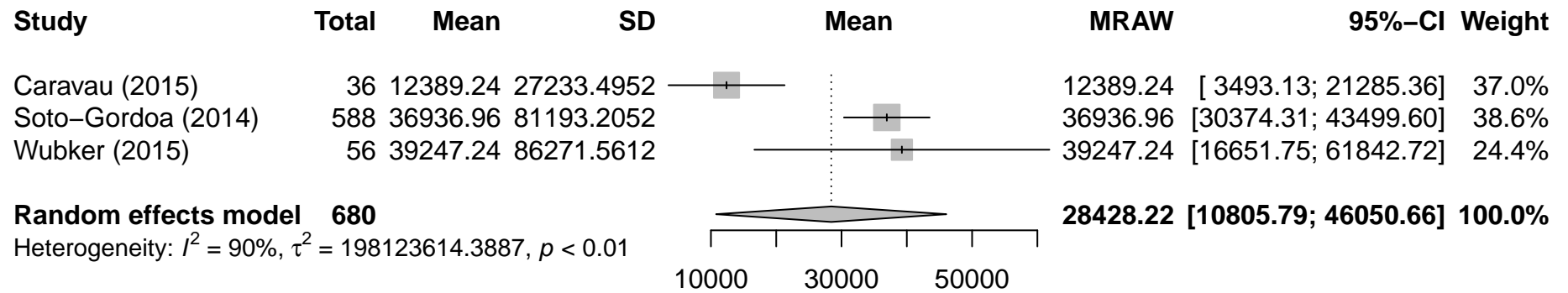


Southern Europe, Institution, All, Pharmaceuticals

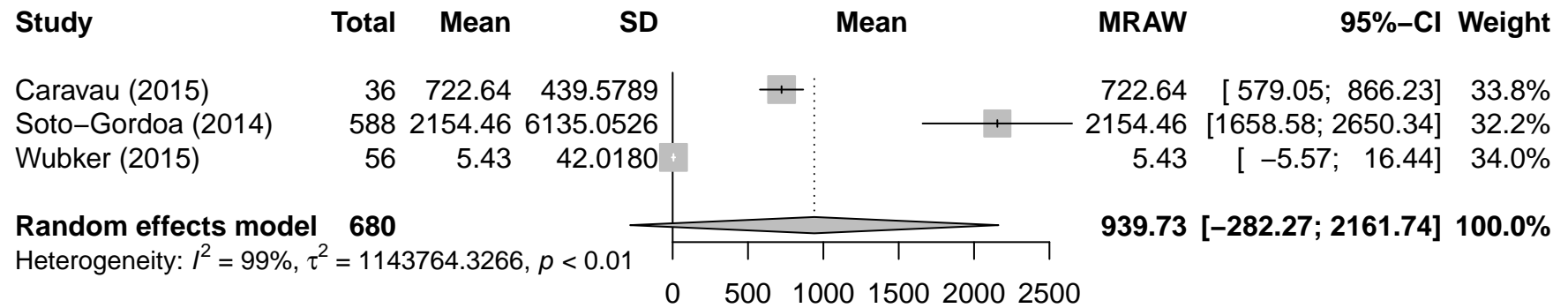




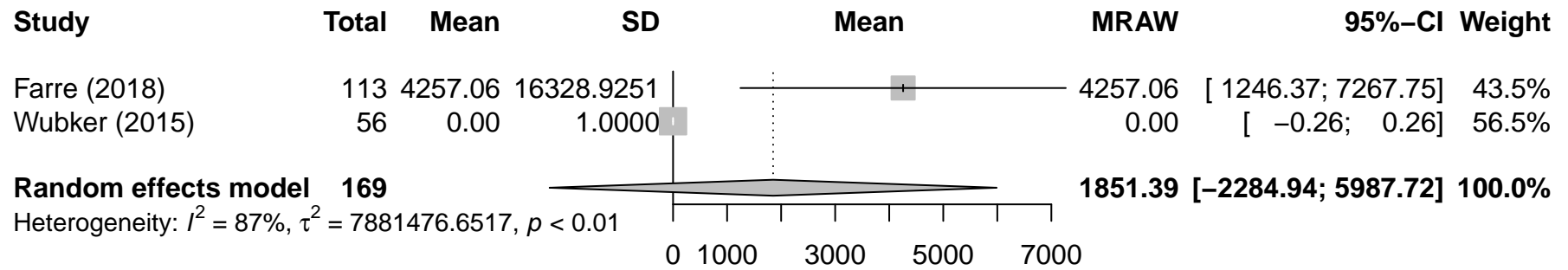
Southern Europe, Institution, All, Institutional care



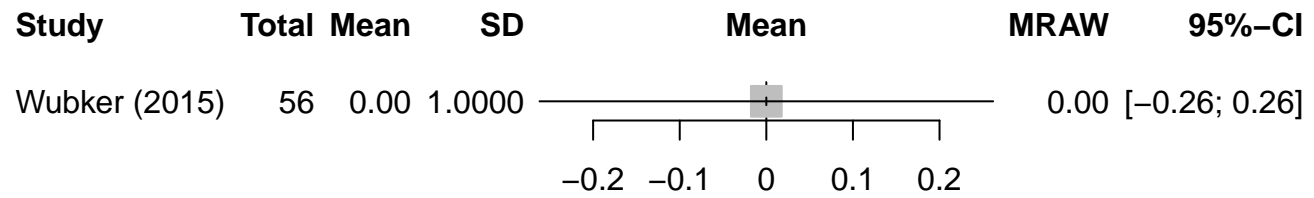
Southern Europe, Institution, All, Community care



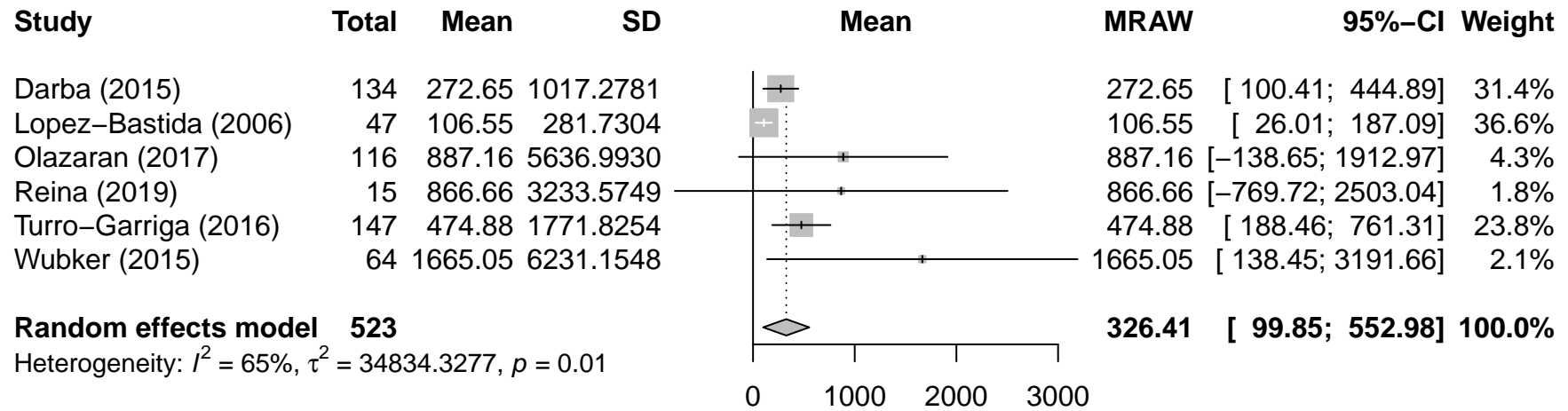
Southern Europe, Institution, All, Caregiver work loss



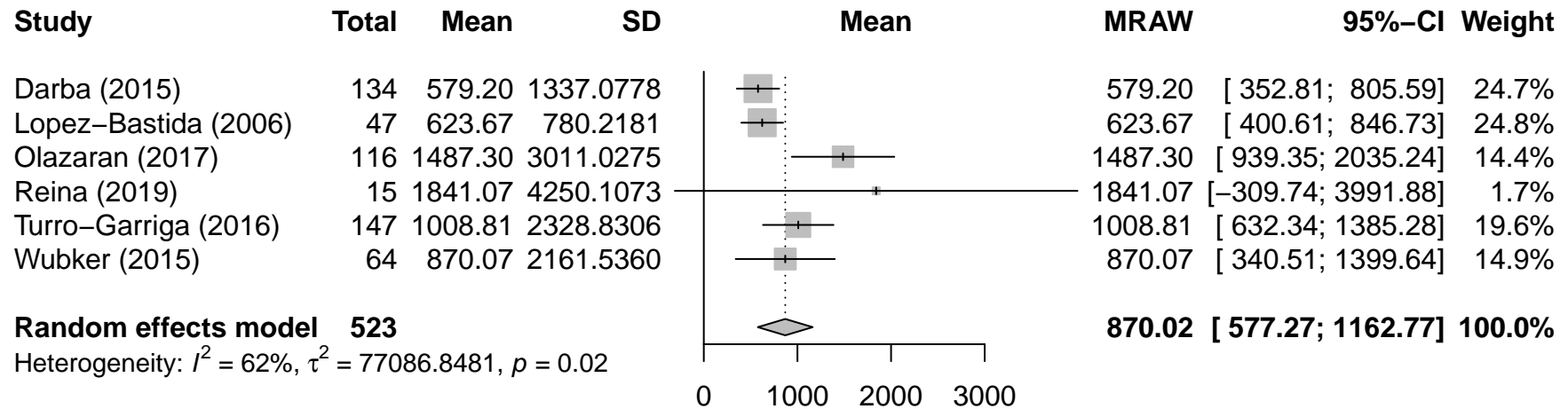
Southern Europe, Institution, All, Caregiver time



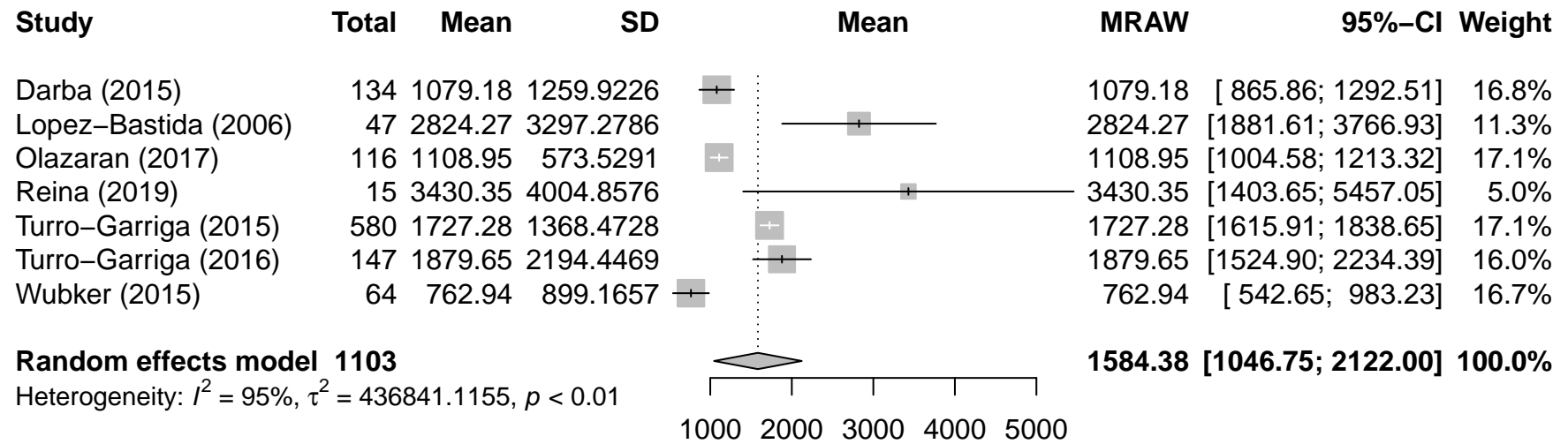
Southern Europe, All, Mild, Inpatient care



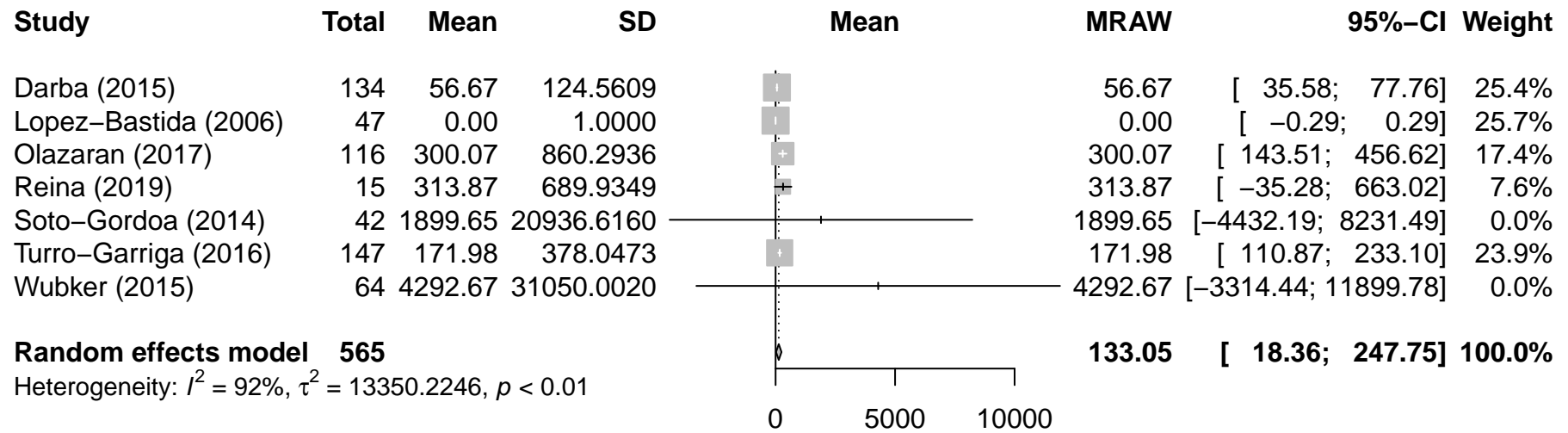
Southern Europe, All, Mild, Outpatient care



Southern Europe, All, Mild, Pharmaceuticals

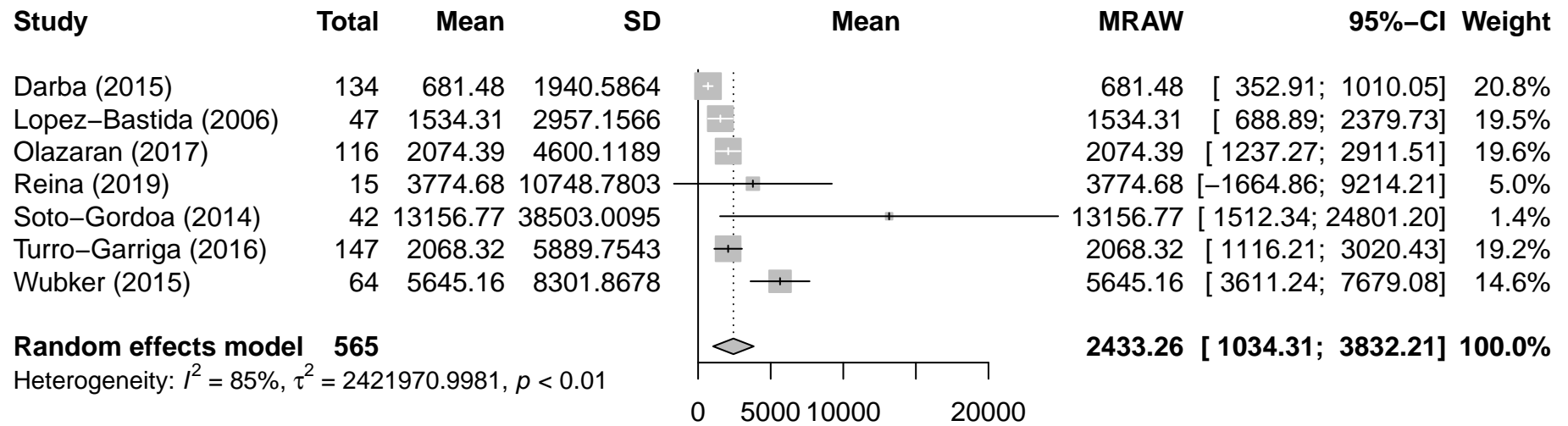


Southern Europe, All, Mild, Institutional care

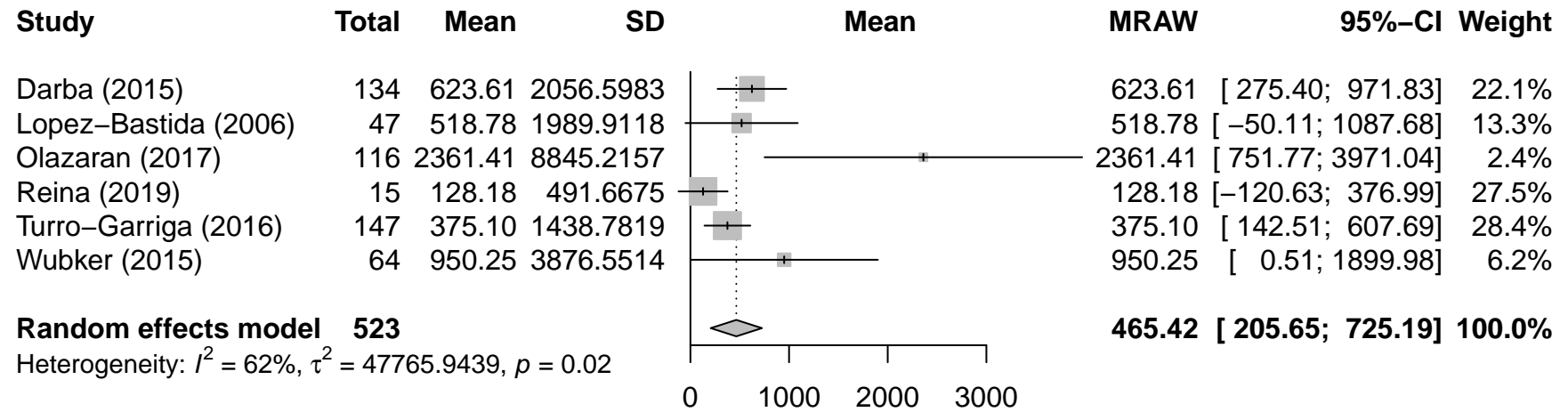




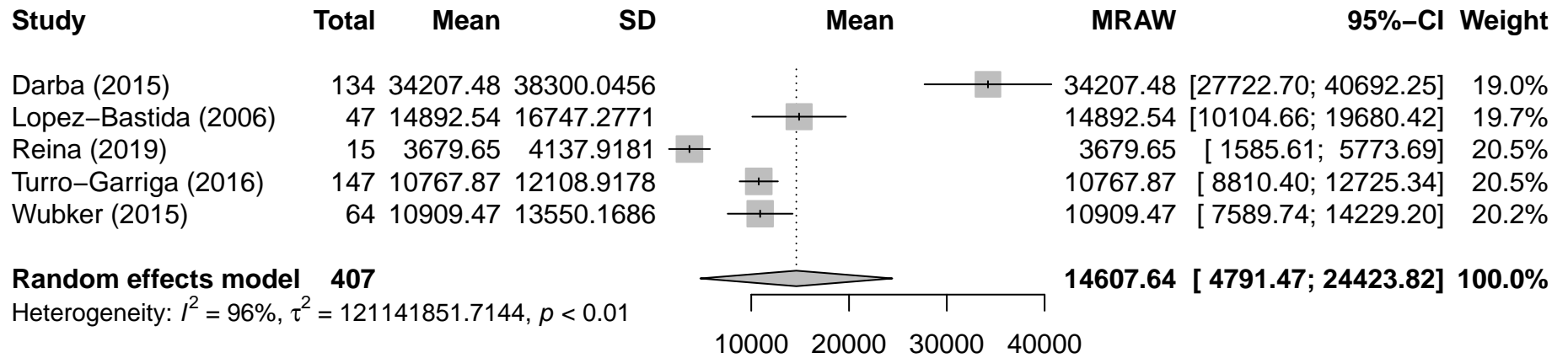
Southern Europe, All, Mild, Community care



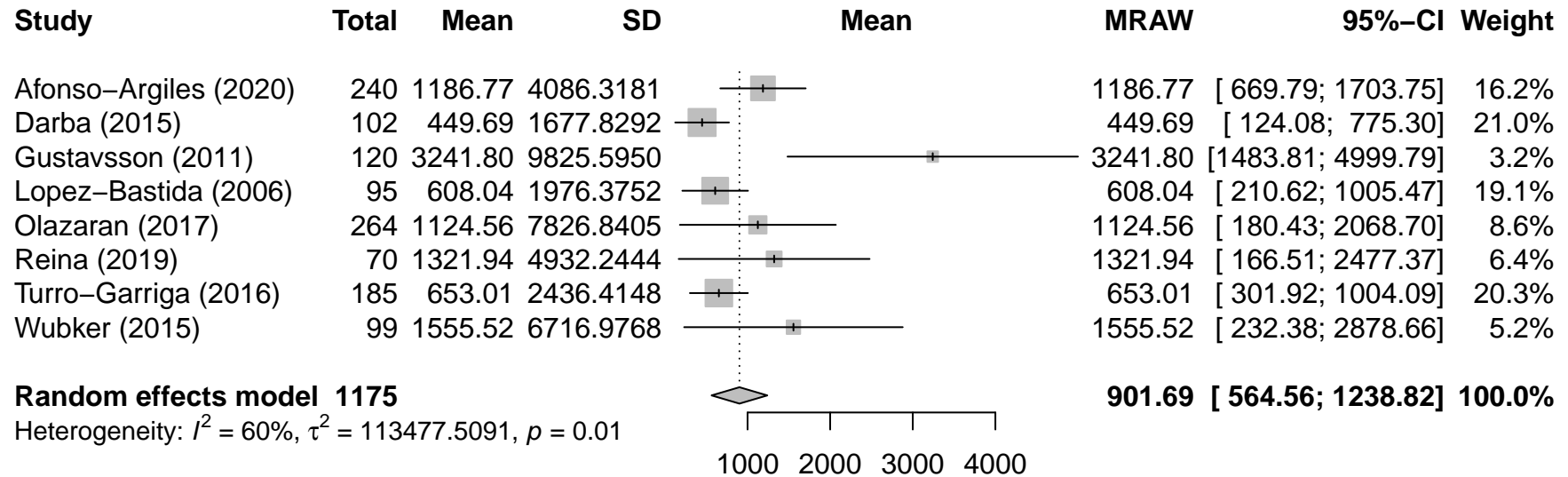
Southern Europe, All, Mild, Caregiver work loss



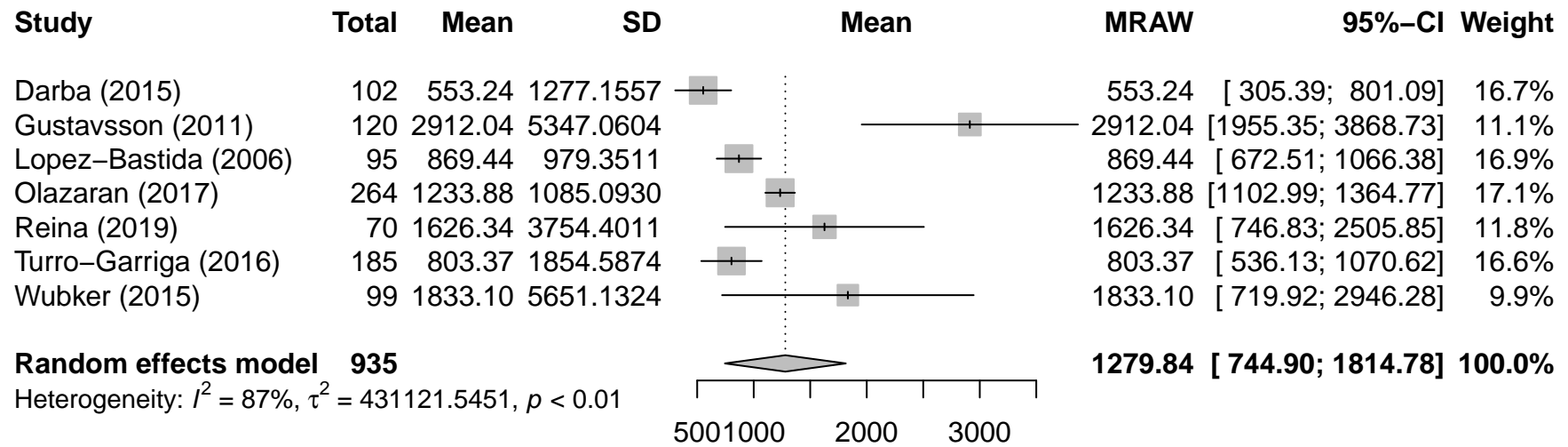
Southern Europe, All, Mild, Caregiver time



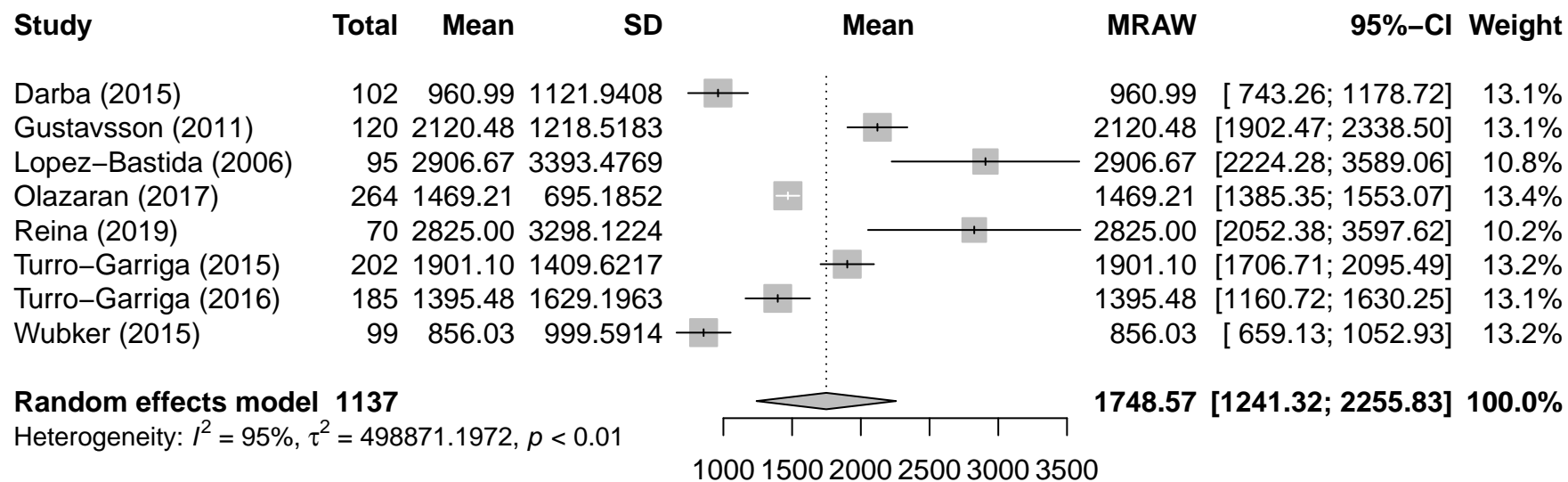
Southern Europe, All, Moderate, Inpatient care



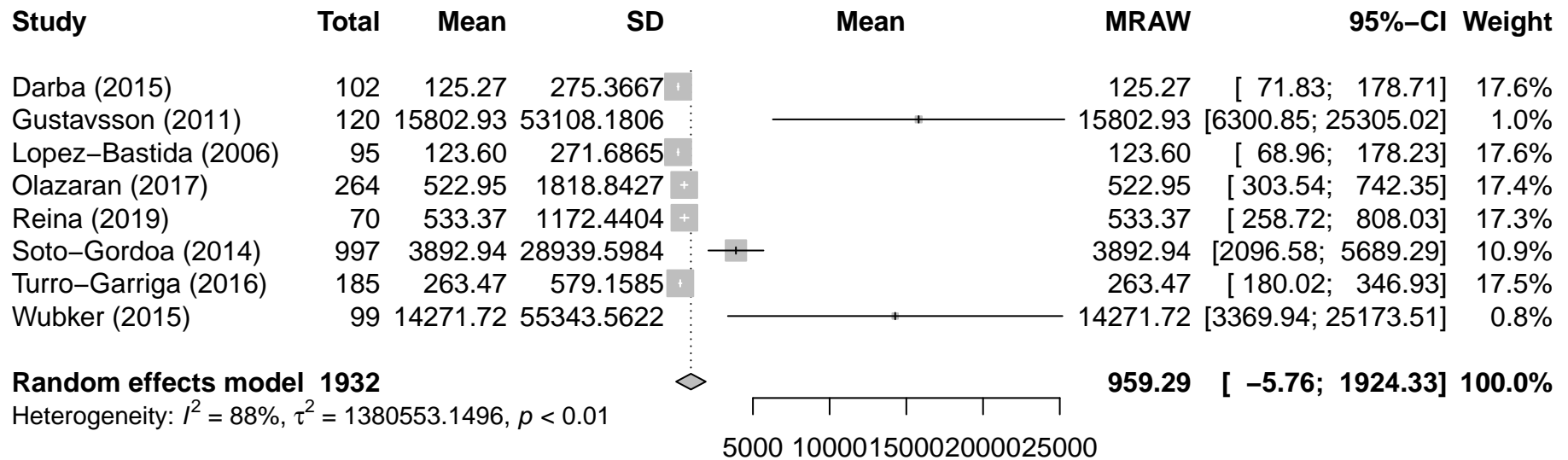
Southern Europe, All, Moderate, Outpatient care



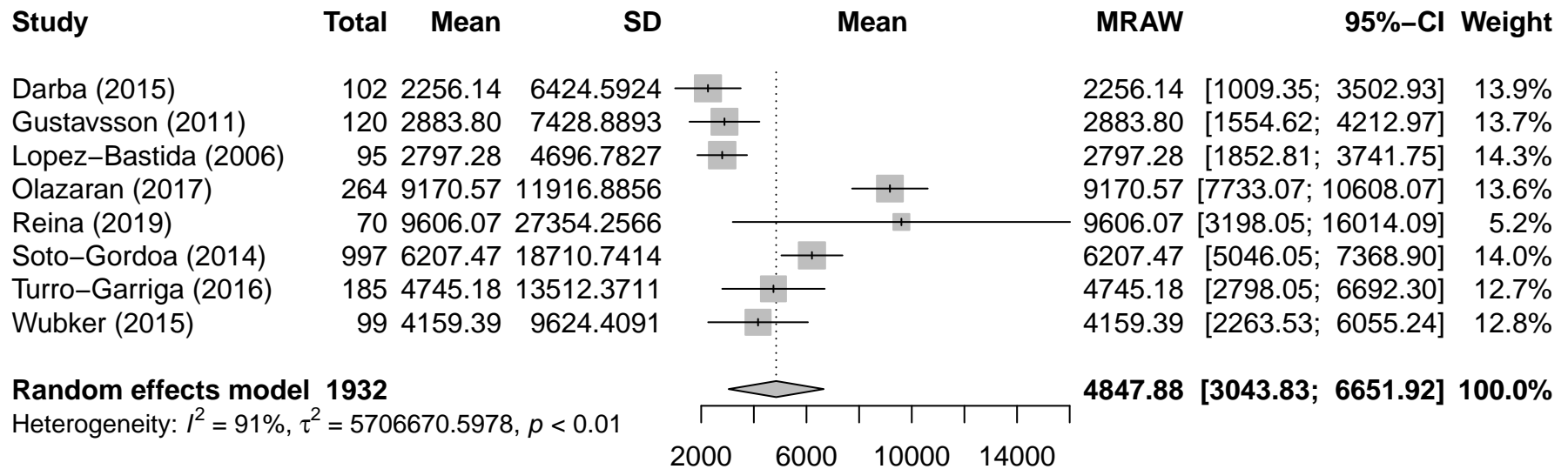
Southern Europe, All, Moderate, Pharmaceuticals



Southern Europe, All, Moderate, Institutional care

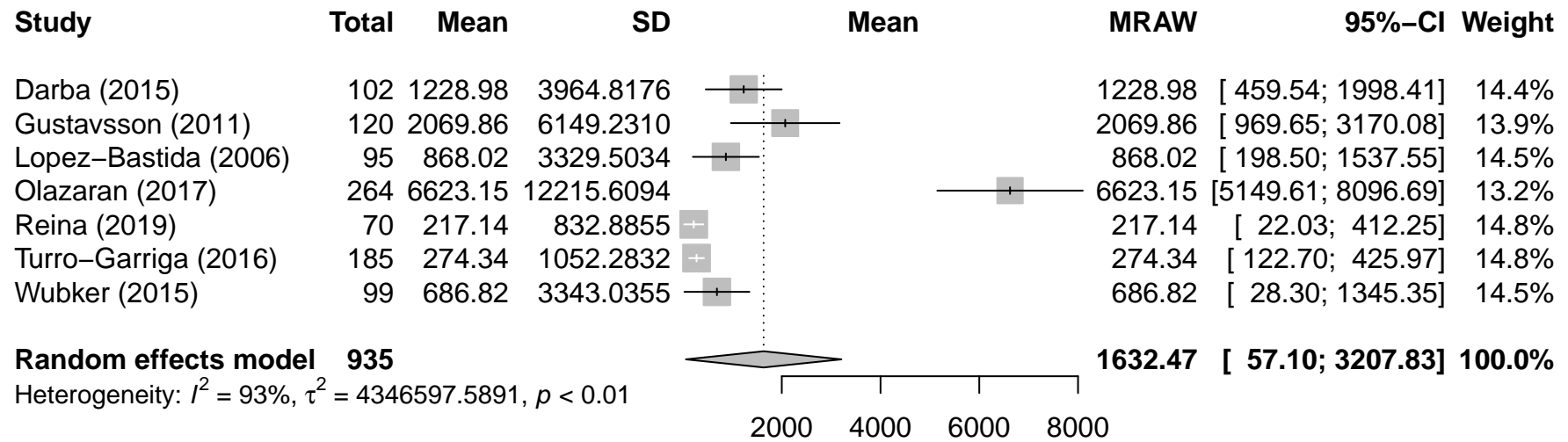


Southern Europe, All, Moderate, Community care

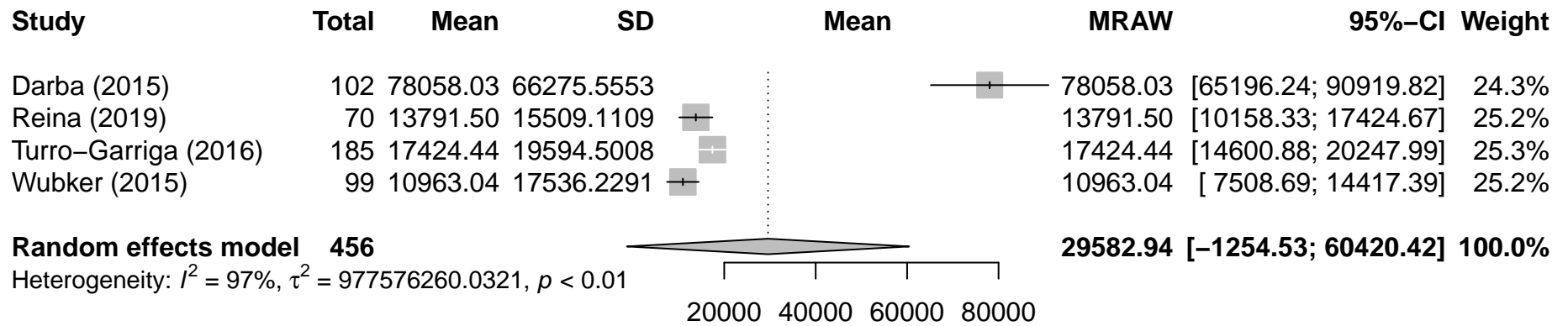




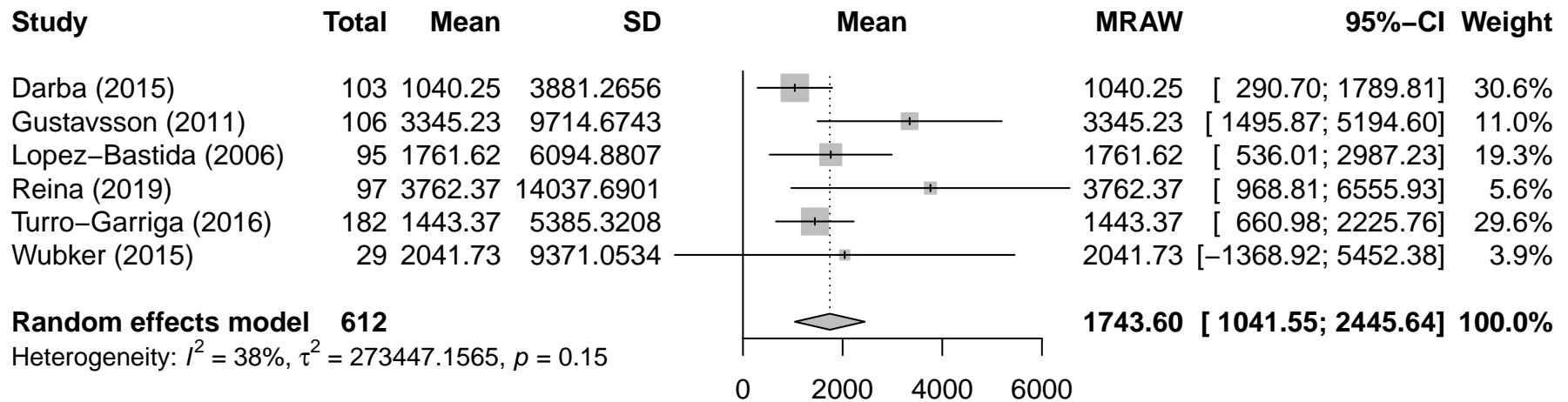
Southern Europe, All, Moderate, Caregiver work loss



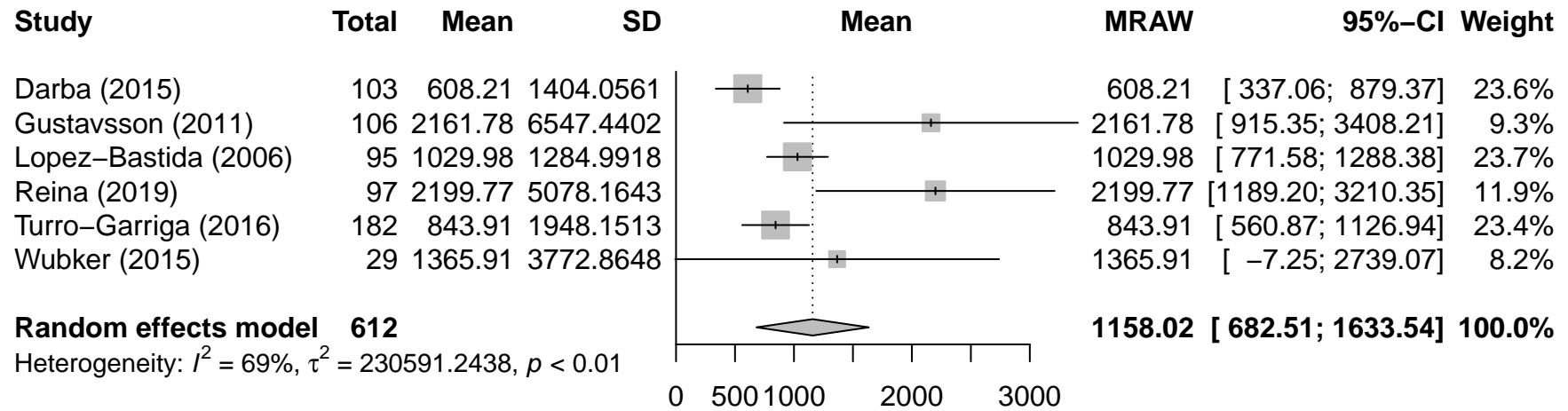
Southern Europe, All, Moderate, Caregiver time



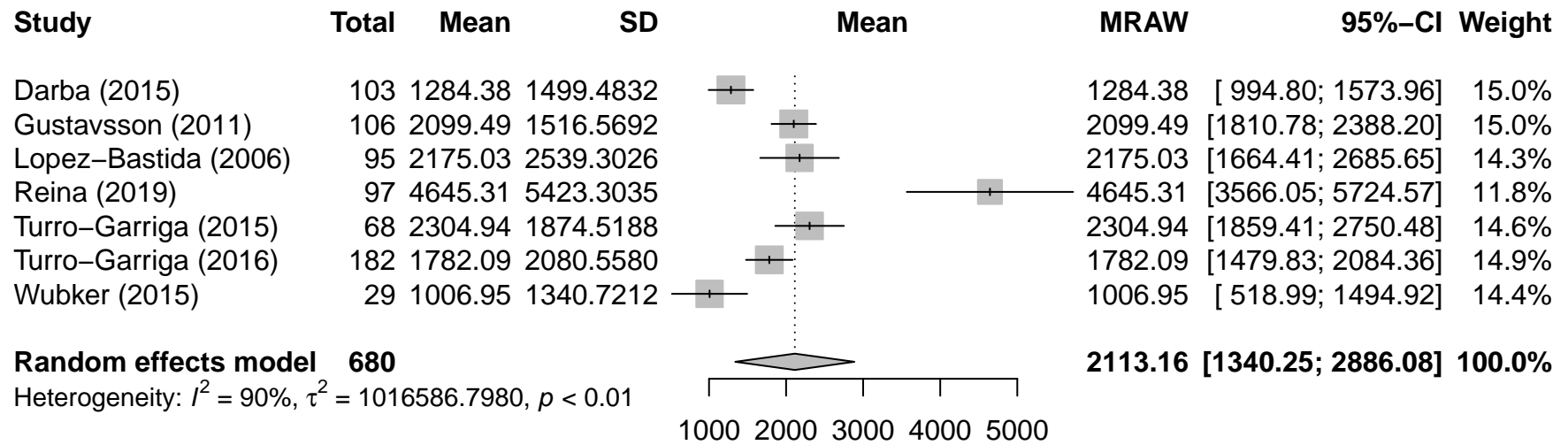
Southern Europe, All, Severe, Inpatient care



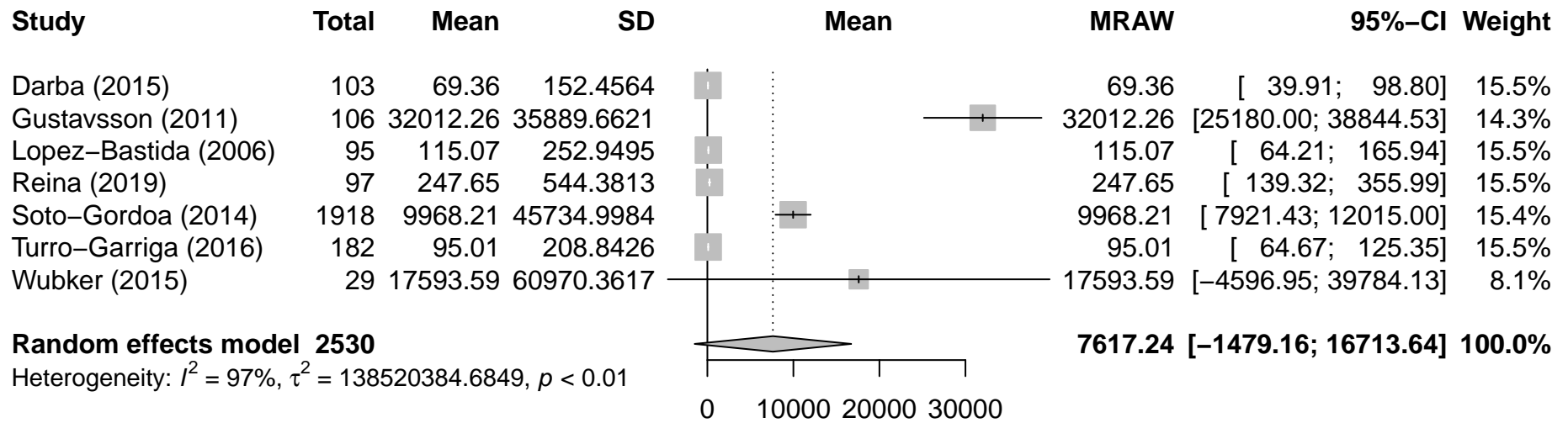
Southern Europe, All, Severe, Outpatient care



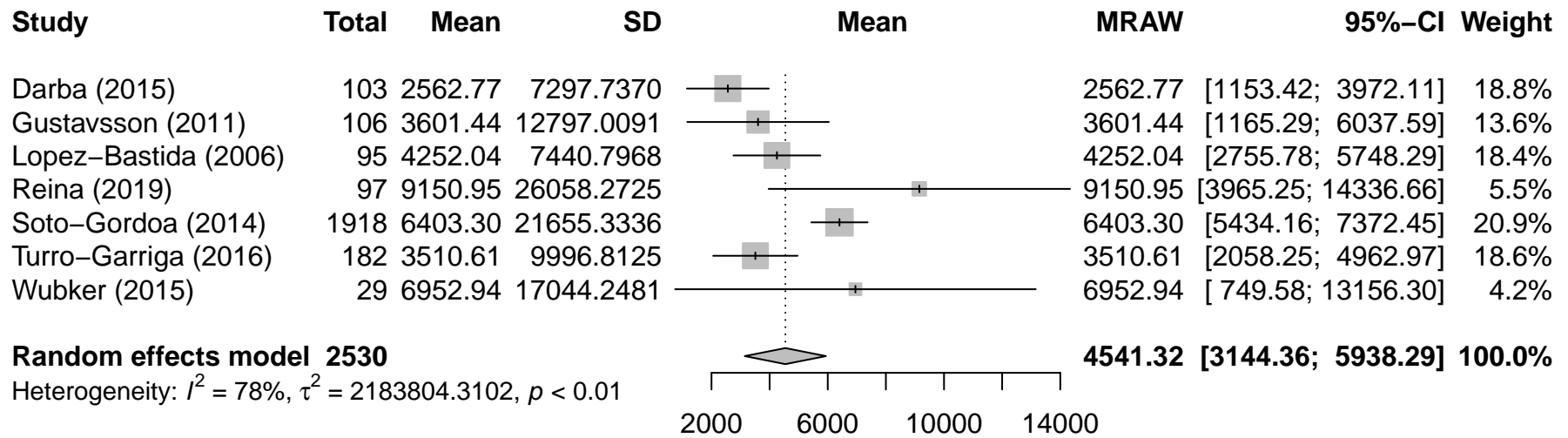
Southern Europe, All, Severe, Pharmaceuticals



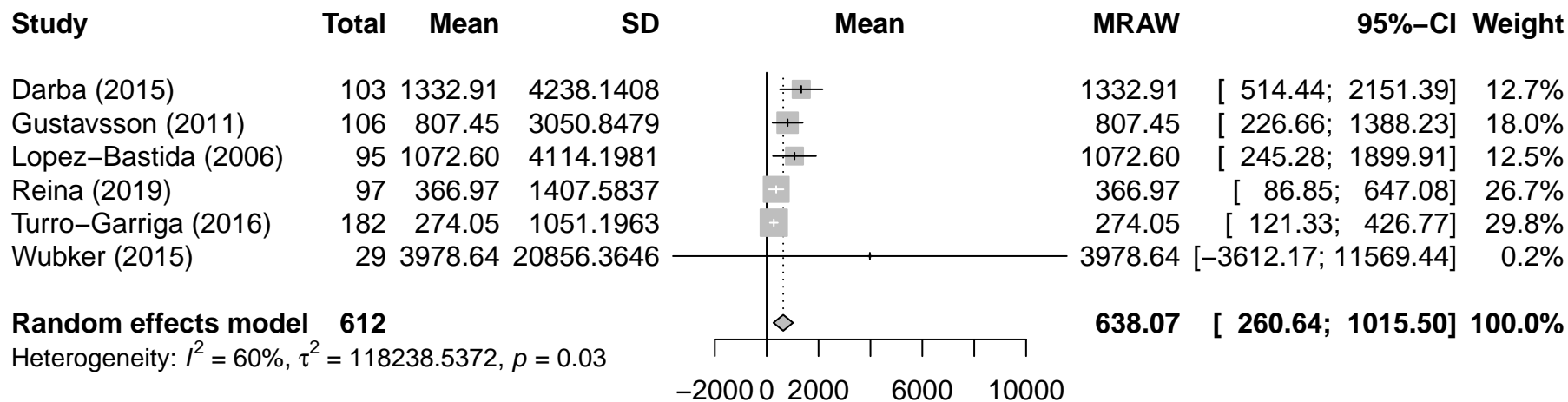
Southern Europe, All, Severe, Institutional care



Southern Europe, All, Severe, Community care

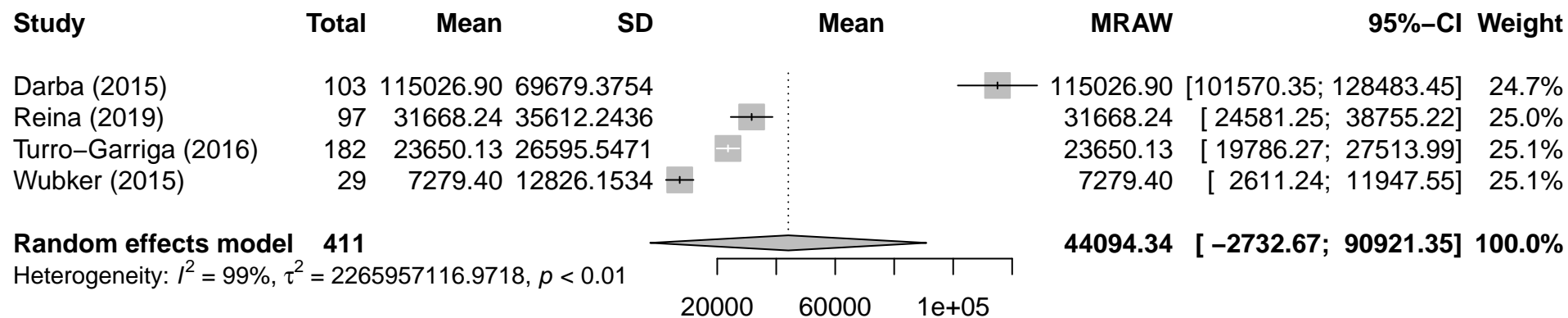


Southern Europe, All, Severe, Caregiver work loss

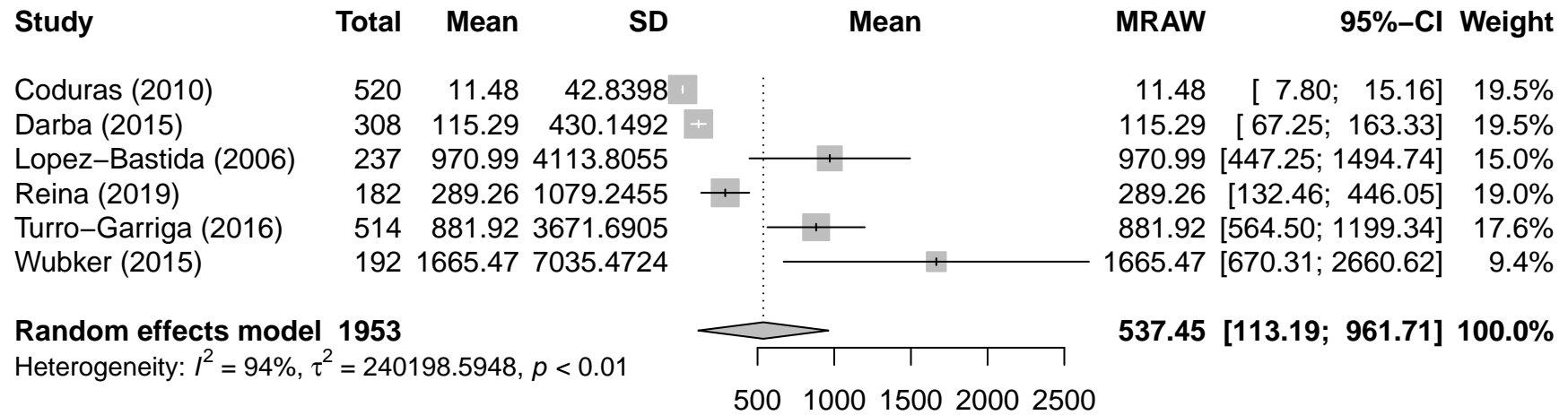




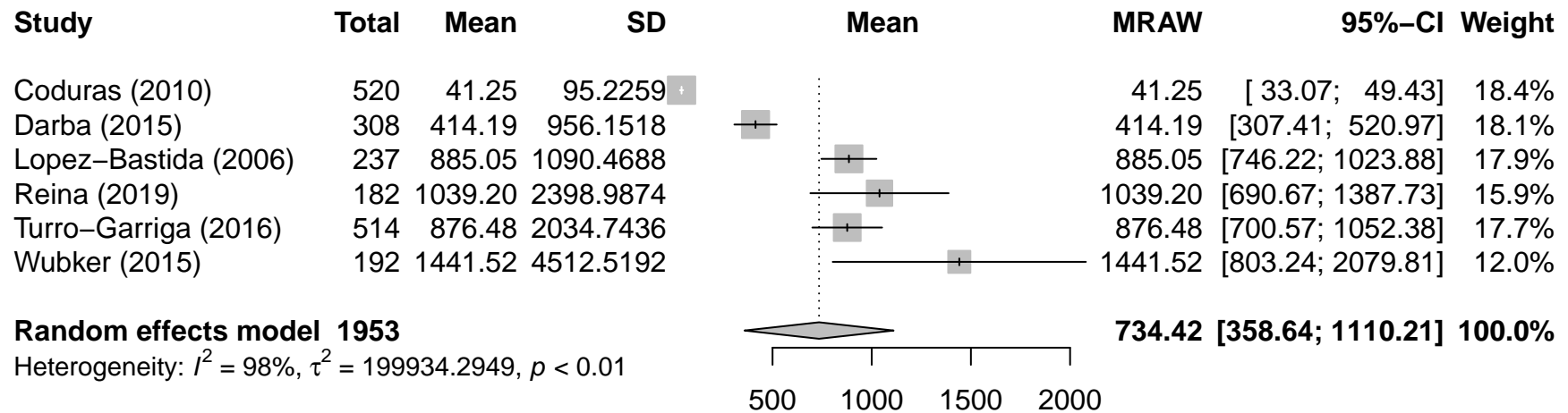
Southern Europe, All, Severe, Caregiver time



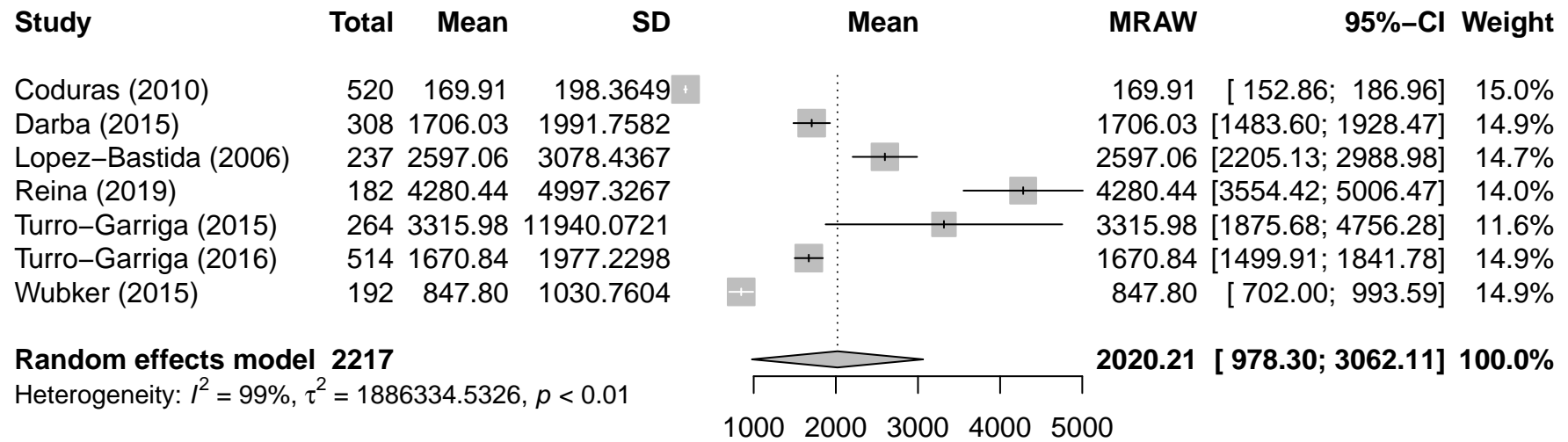
Southern Europe, All, All, Inpatient care



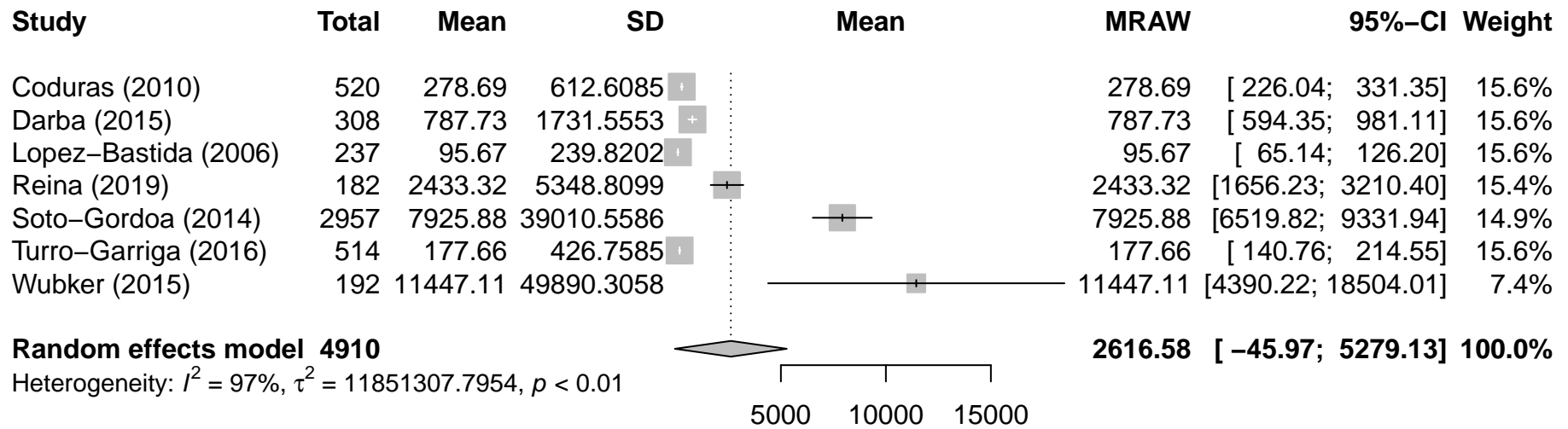
Southern Europe, All, All, Outpatient care



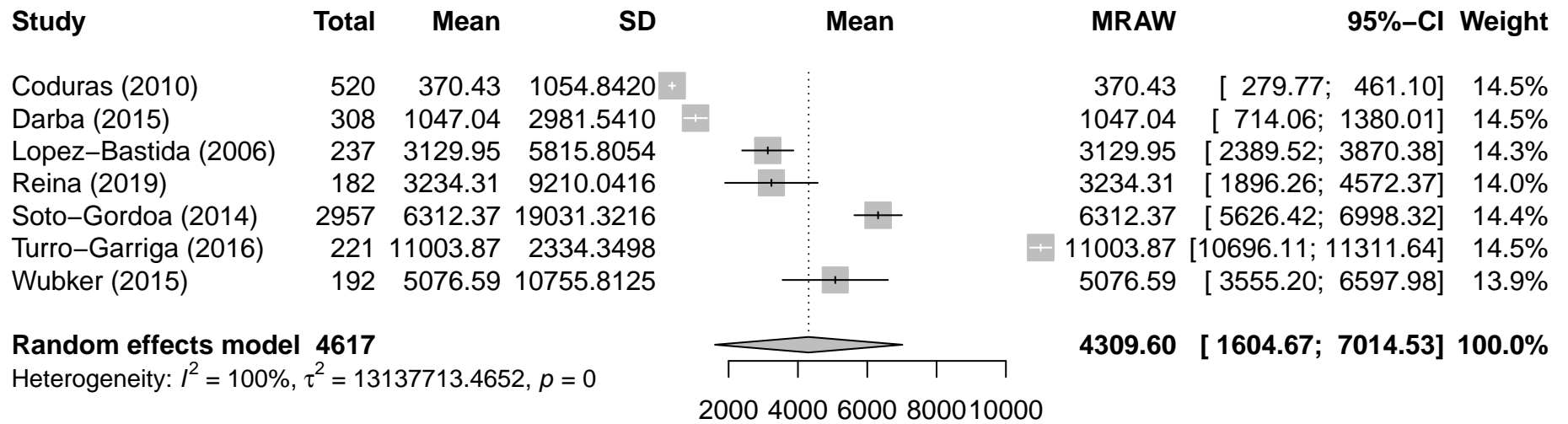
Southern Europe, All, All, Pharmaceuticals



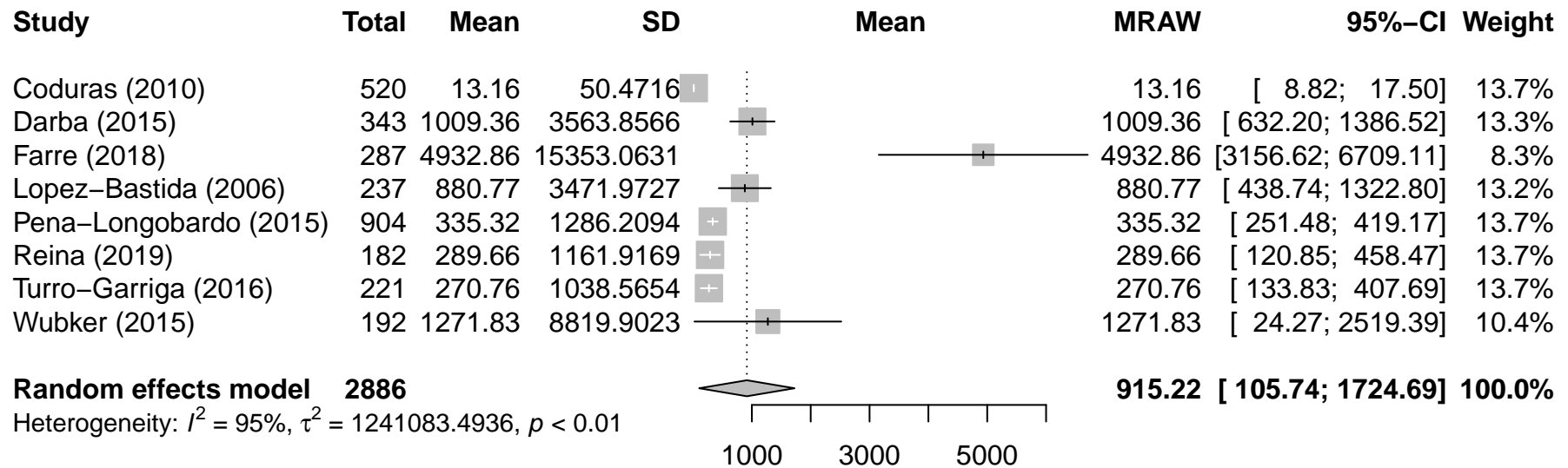
Southern Europe, All, All, Institutional care



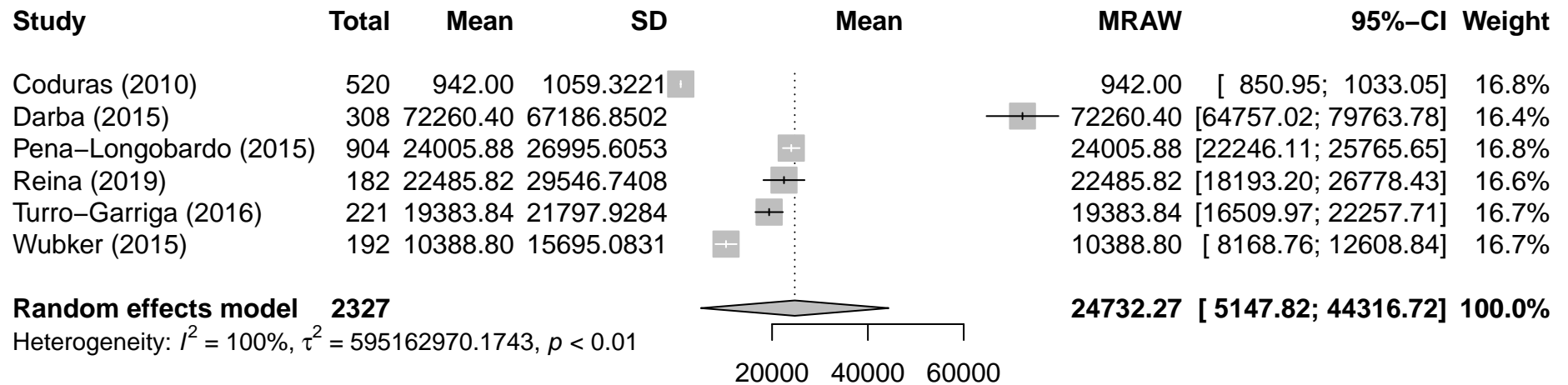
Southern Europe, All, All, Community care



Southern Europe, All, All, Caregiver work loss

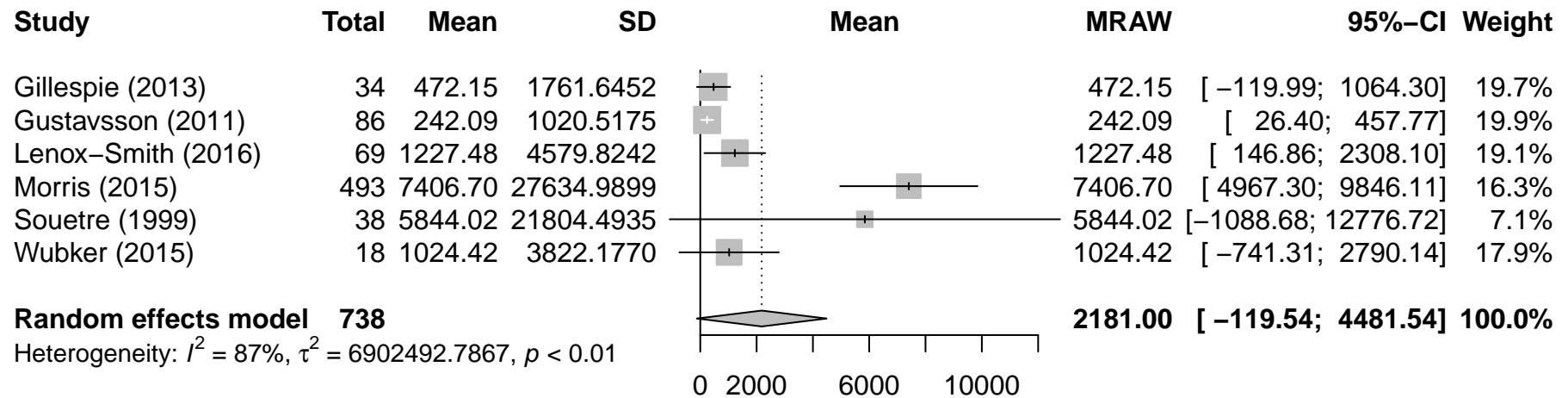


Southern Europe, All, All, Caregiver time

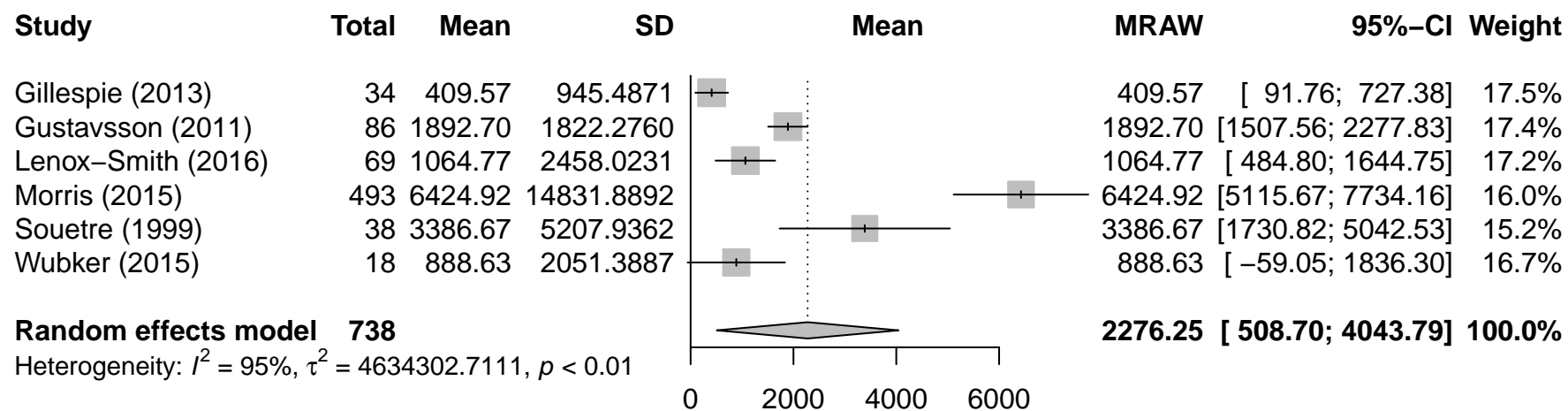




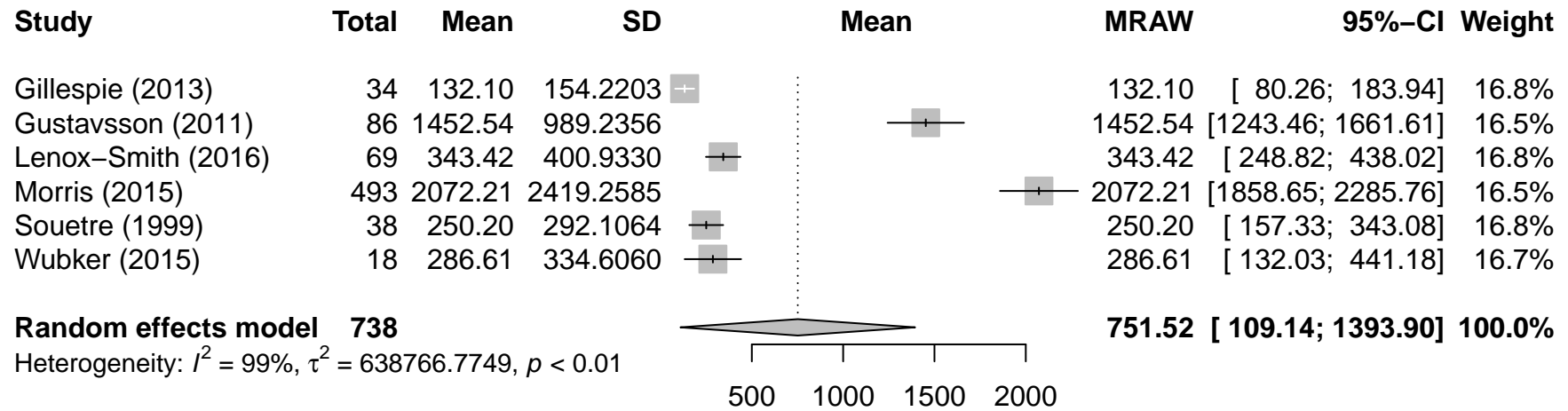
British Isles, Community, Mild, Inpatient care



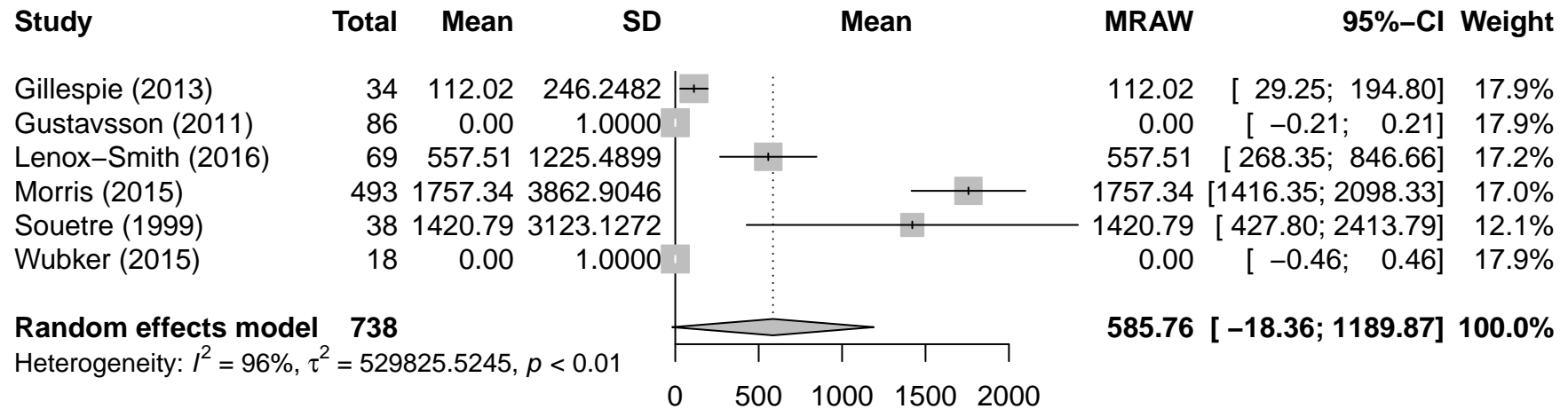
British Isles, Community, Mild, Outpatient care



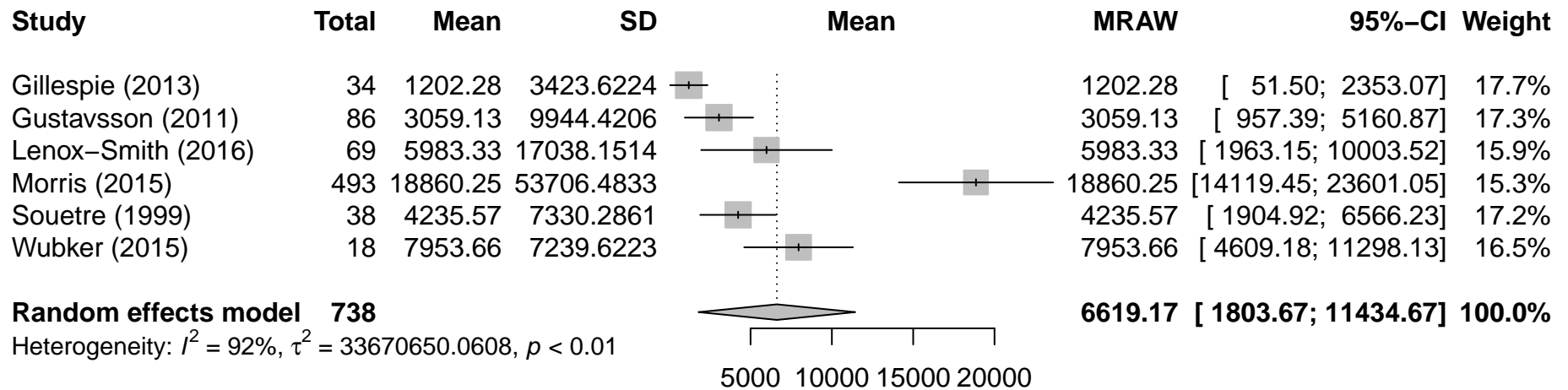
British Isles, Community, Mild, Pharmaceuticals



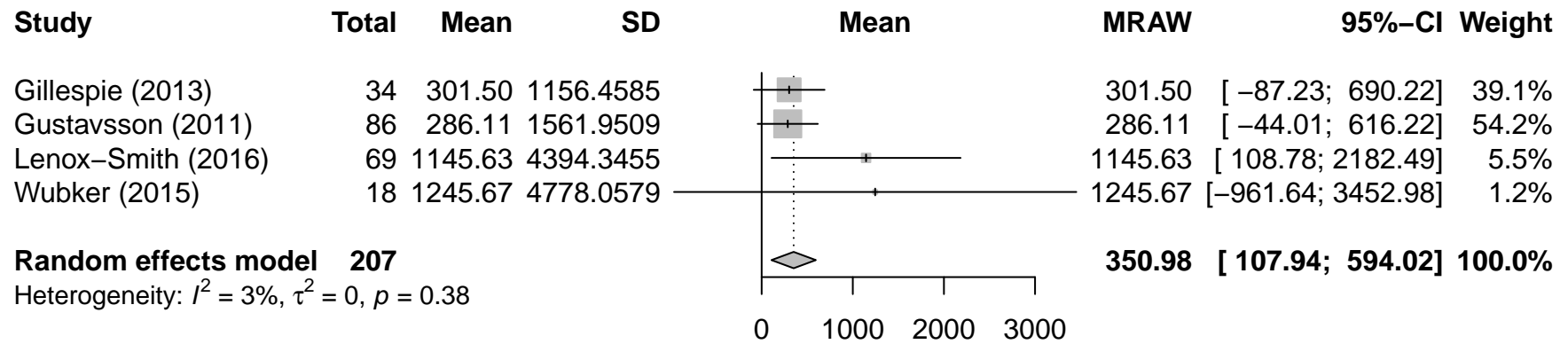
British Isles, Community, Mild, Institutional care



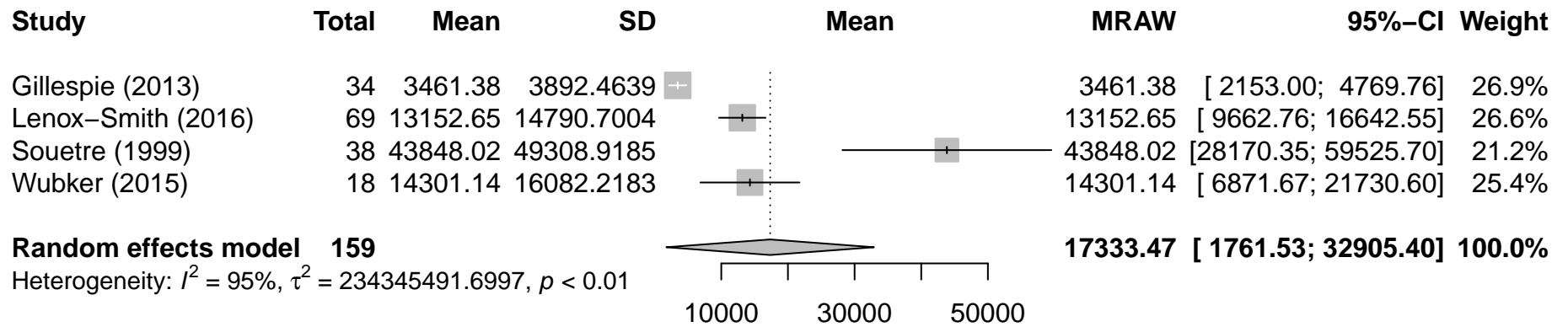
British Isles, Community, Mild, Community care



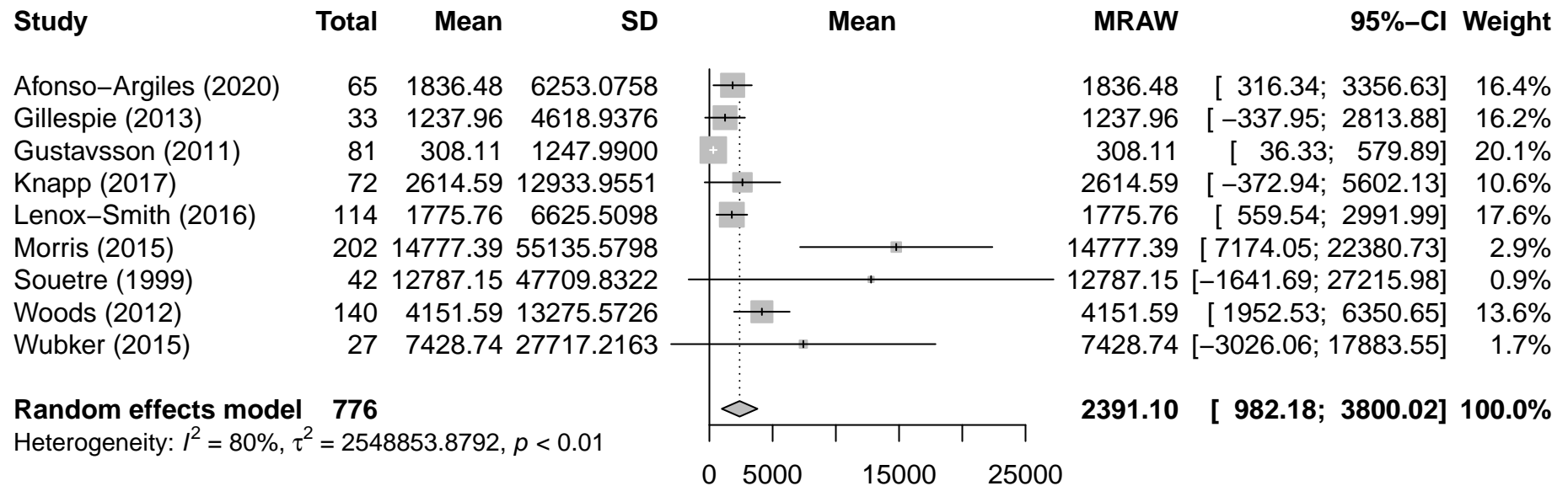
British Isles, Community, Mild, Caregiver work loss



British Isles, Community, Mild, Caregiver time

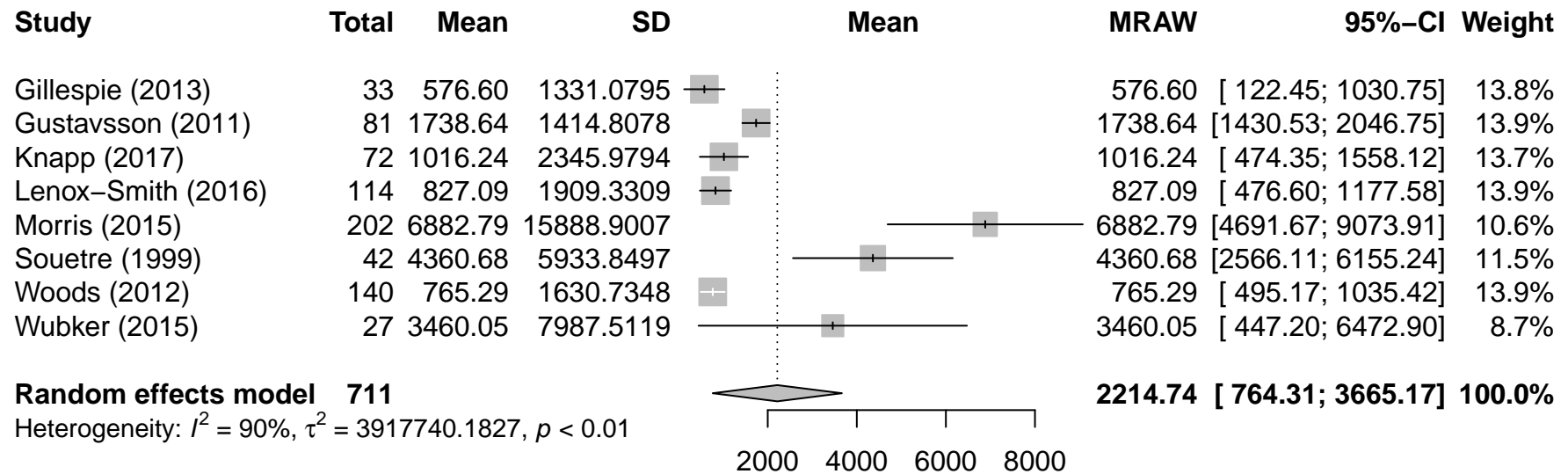


British Isles, Community, Moderate, Inpatient care

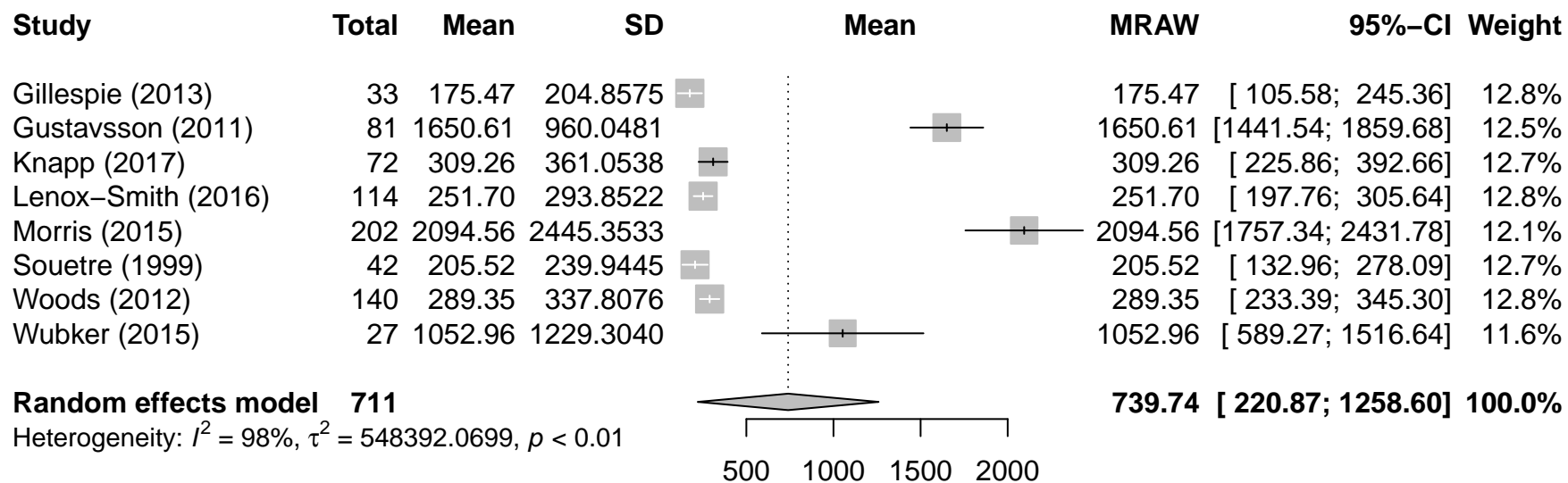




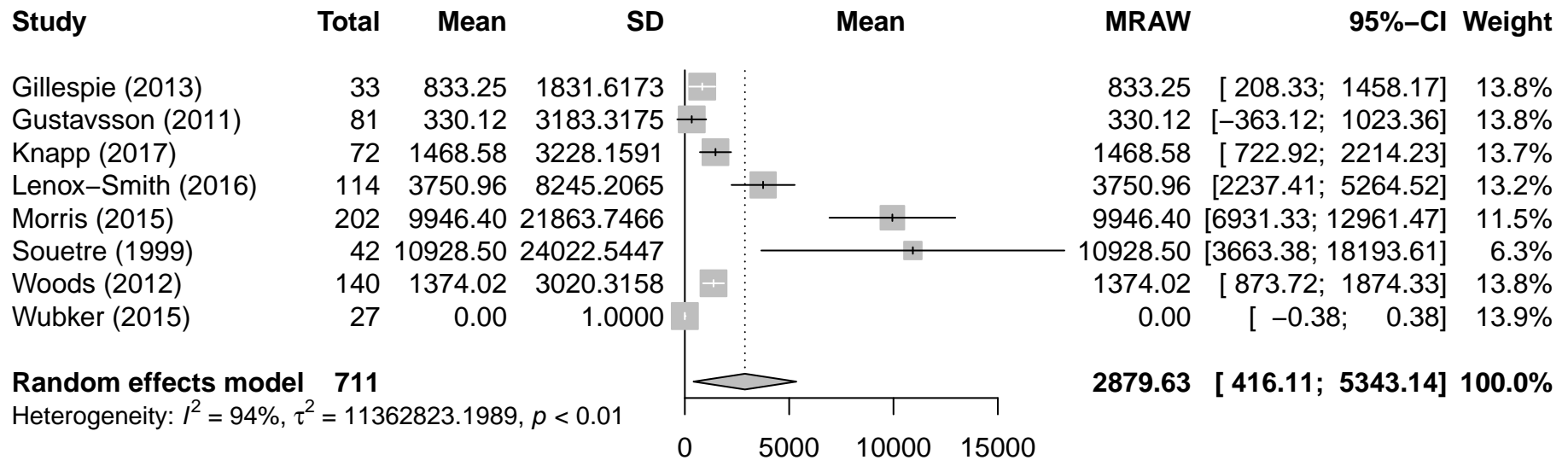
British Isles, Community, Moderate, Outpatient care



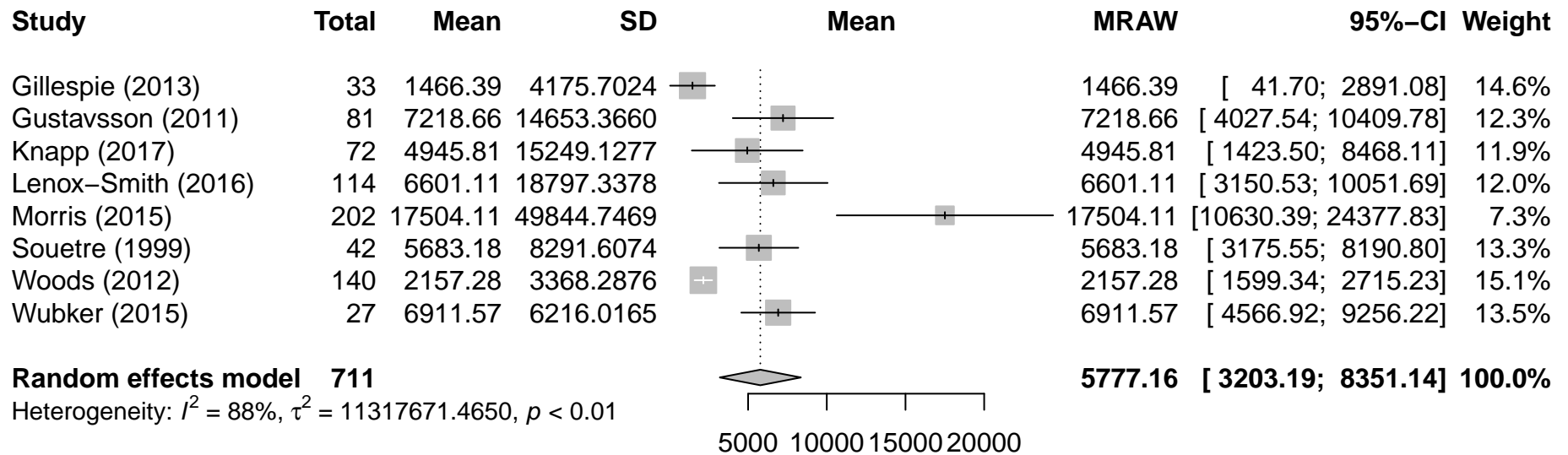
British Isles, Community, Moderate, Pharmaceuticals



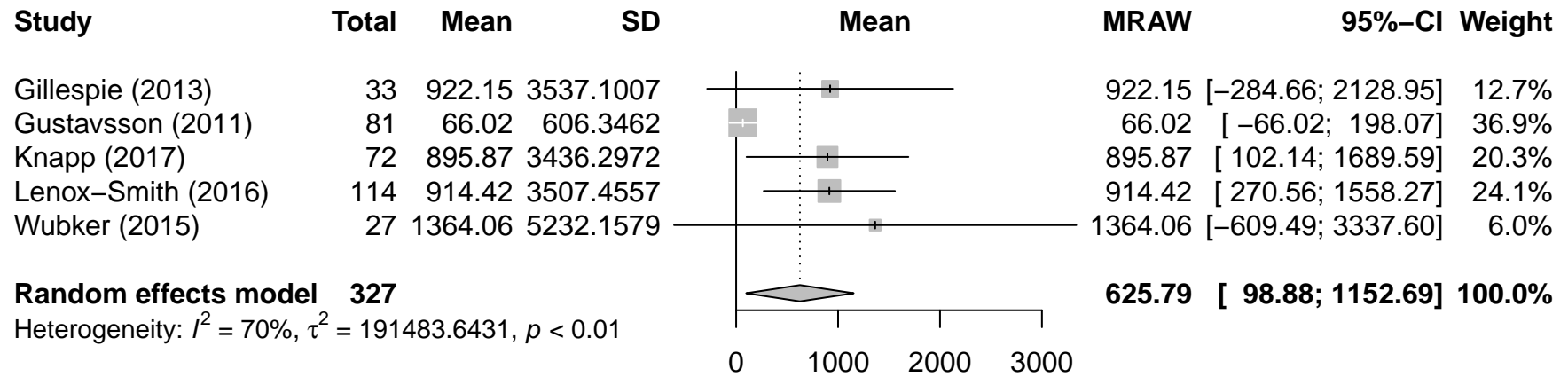
British Isles, Community, Moderate, Institutional care



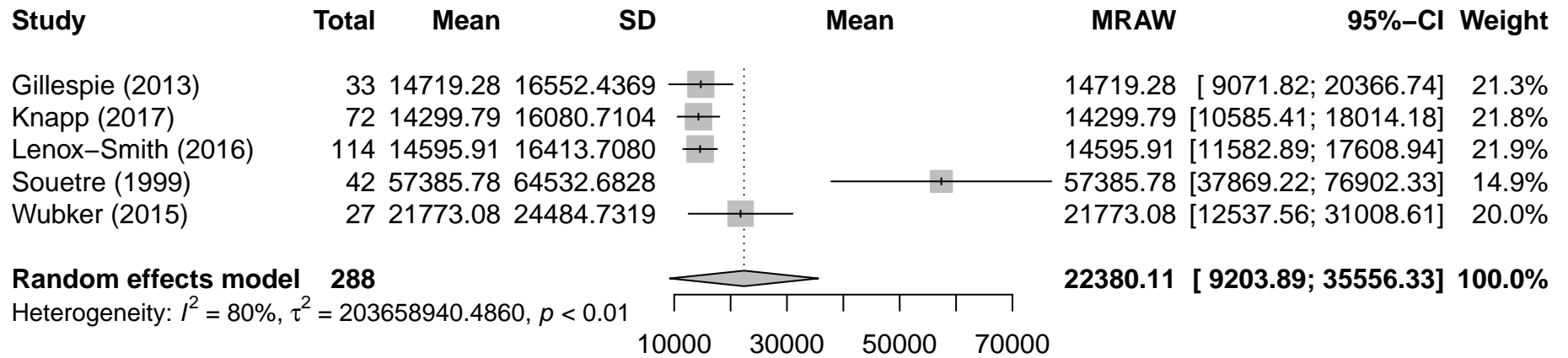
British Isles, Community, Moderate, Community care



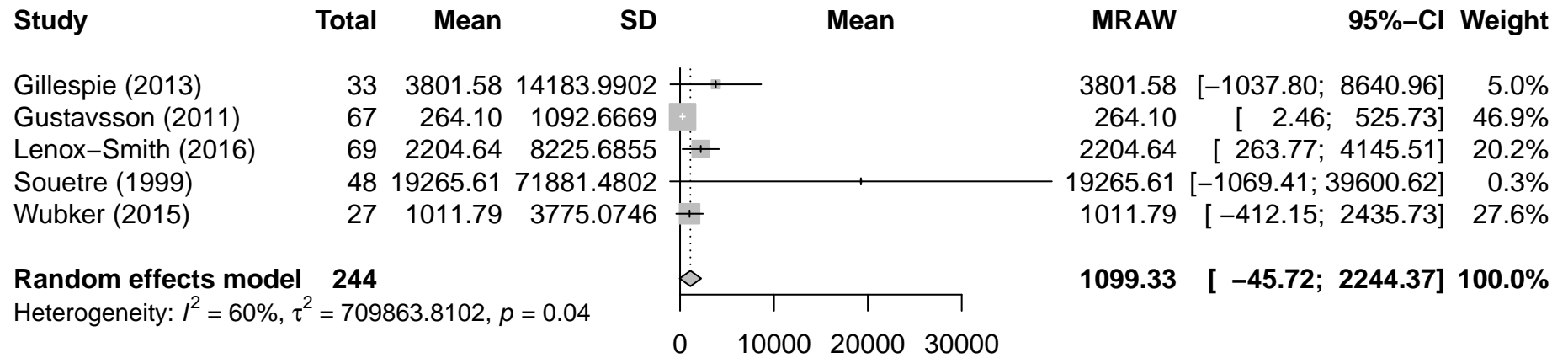
British Isles, Community, Moderate, Caregiver work loss



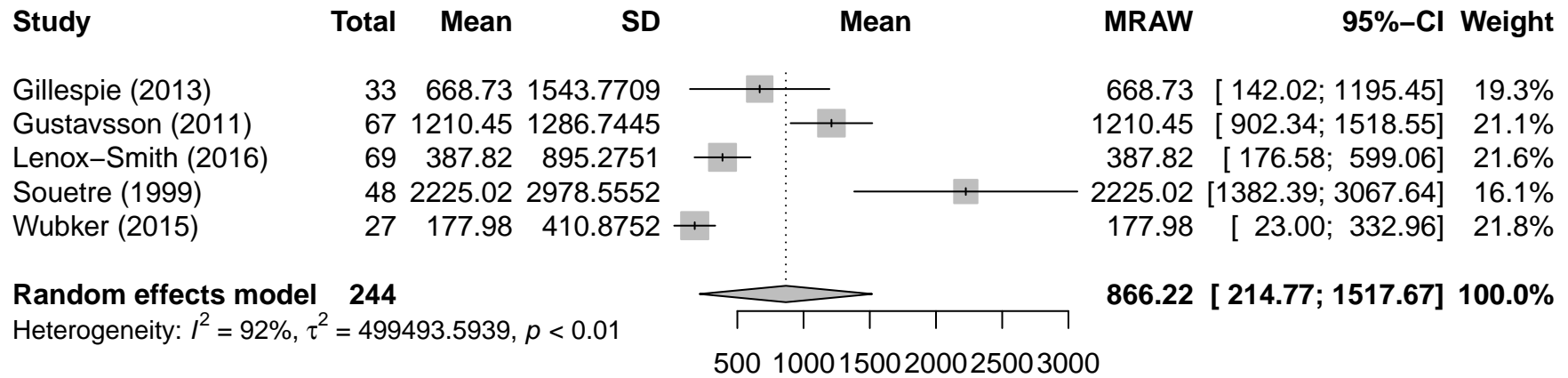
British Isles, Community, Moderate, Caregiver time



British Isles, Community, Severe, Inpatient care

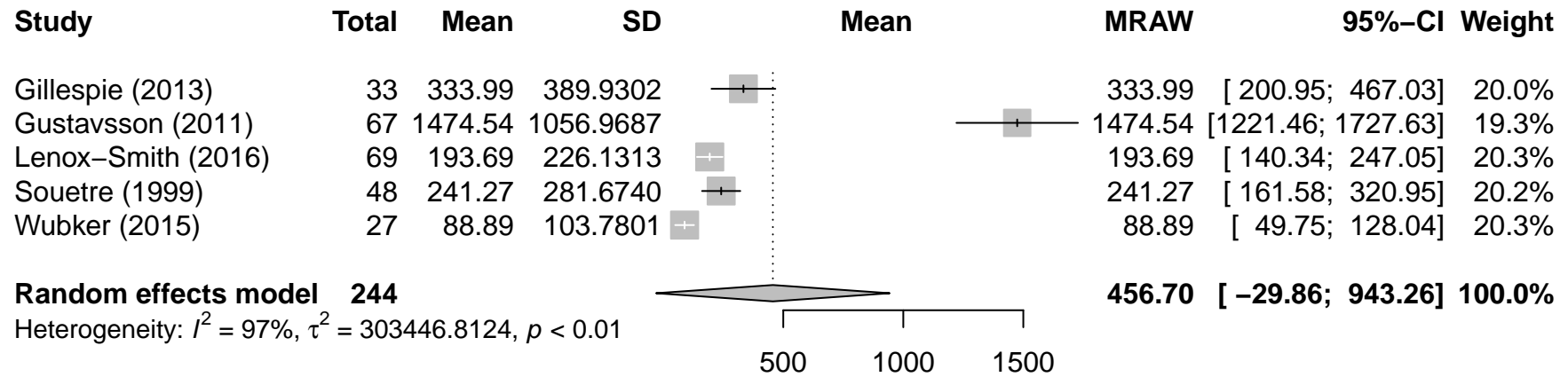


British Isles, Community, Severe, Outpatient care

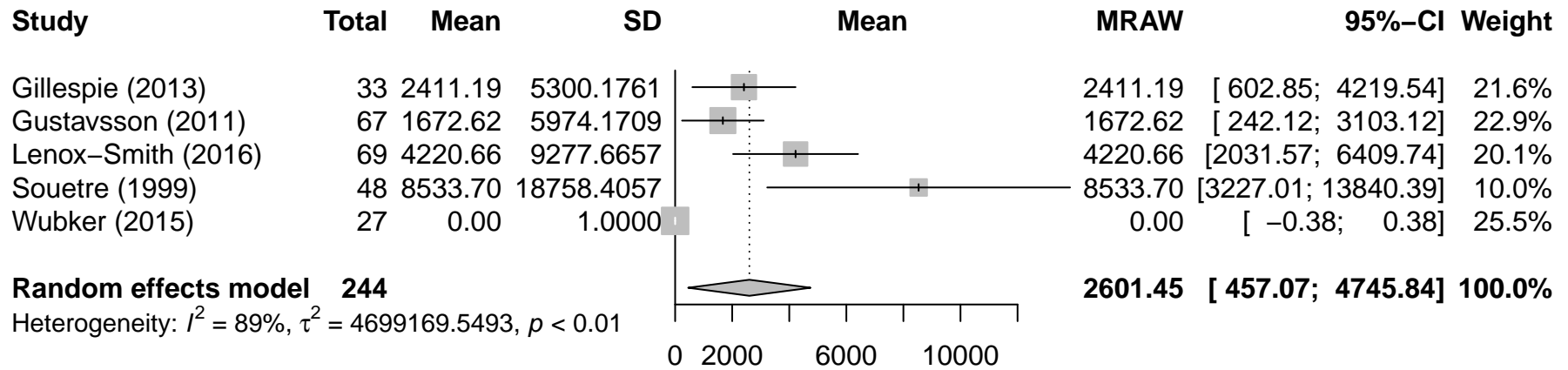




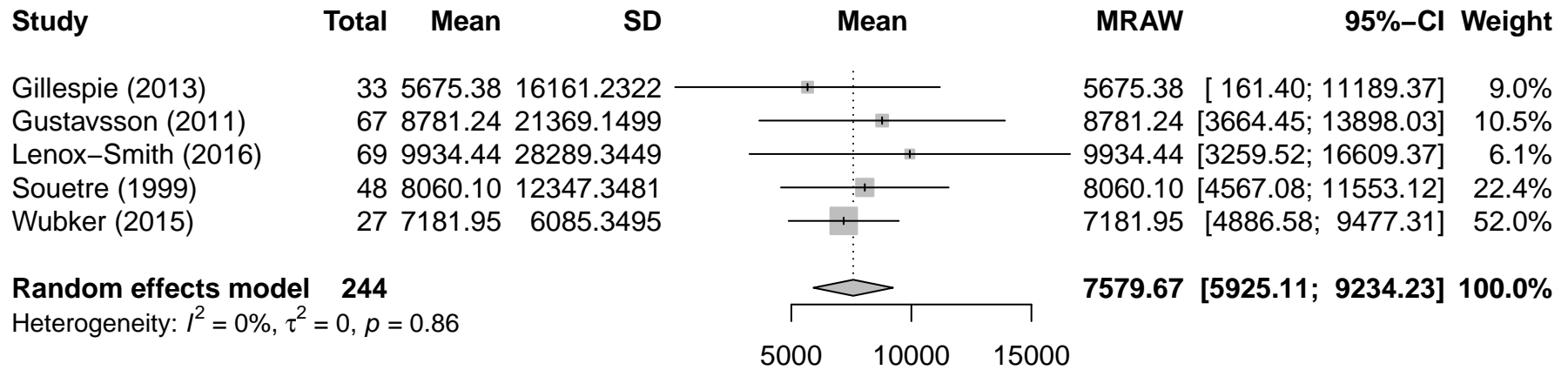
British Isles, Community, Severe, Pharmaceuticals



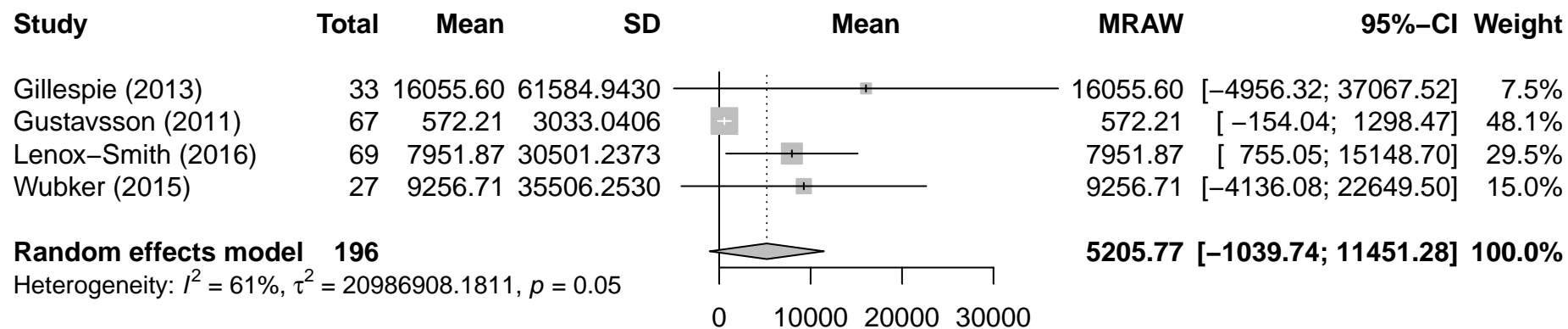
British Isles, Community, Severe, Institutional care



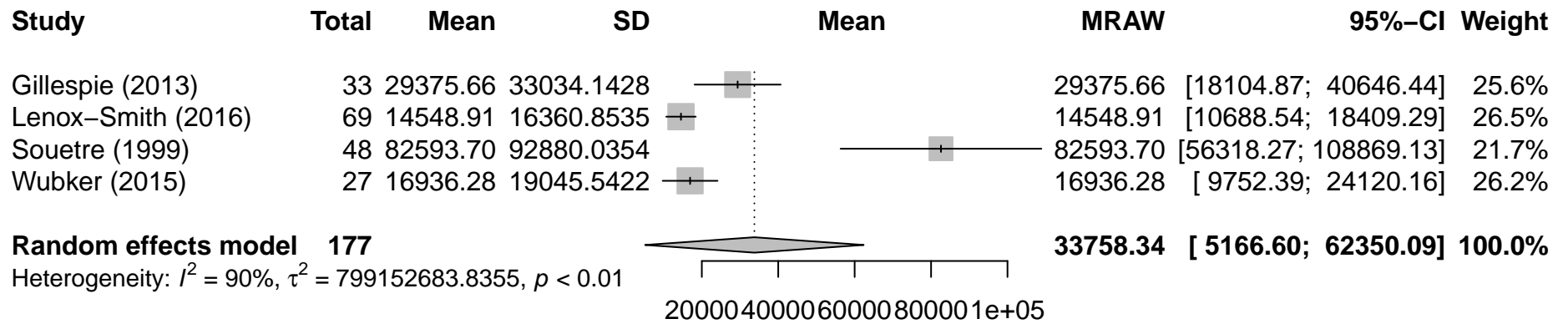
British Isles, Community, Severe, Community care



British Isles, Community, Severe, Caregiver work loss



British Isles, Community, Severe, Caregiver time



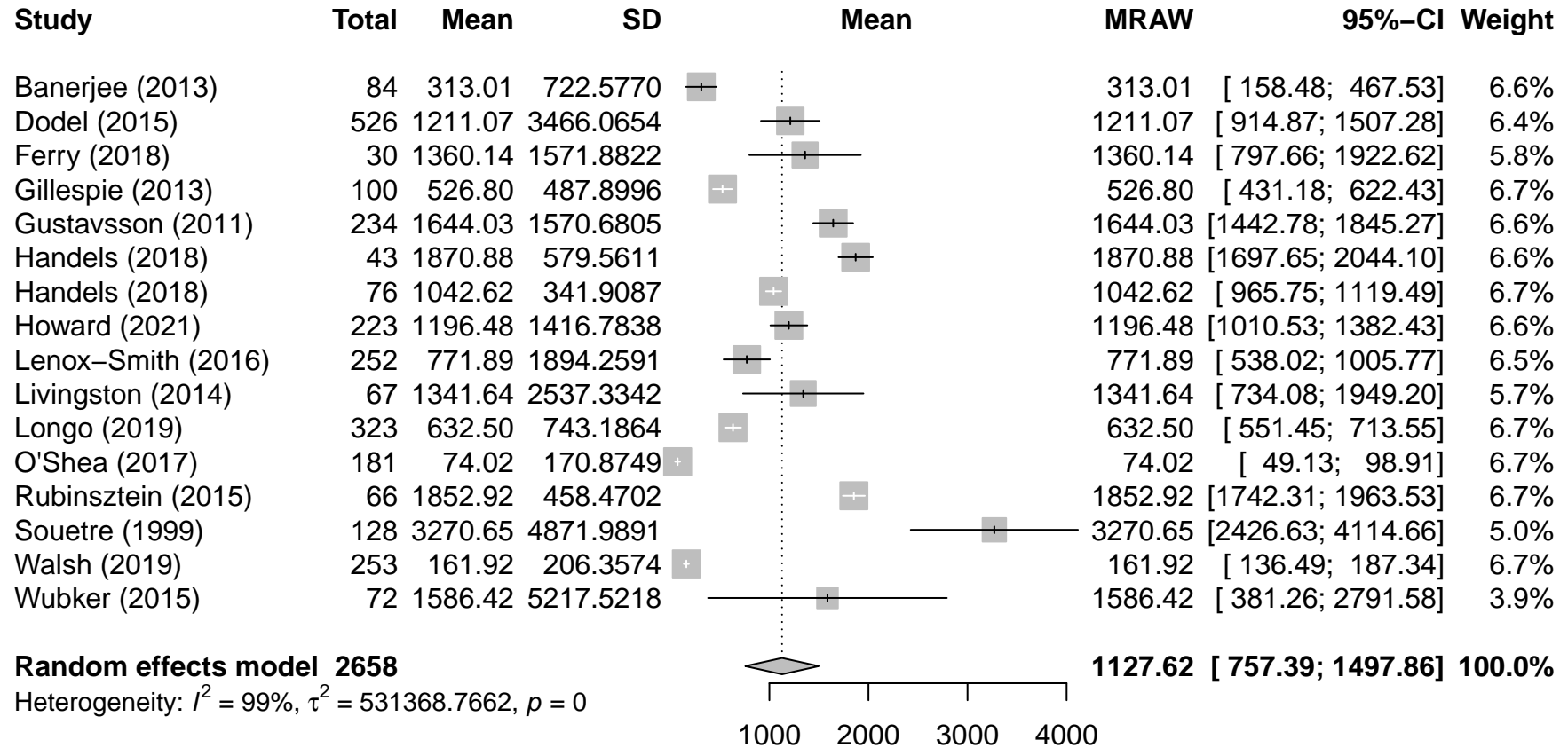
British Isles, Community, All, Inpatient care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Banerjee (2013)	84	816.45	3046.2304		816.45	[ 165.01; 1467.88]	7.0%
Dodel (2015)	526	281.65	2487.4615		281.65	[ 69.07; 494.22]	7.1%
Ferry (2018)	30	3404.90	11613.2302		3404.90	[-750.76; 7560.57]	3.8%
Gillespie (2013)	100	1956.70	5524.9144		1956.70	[ 873.83; 3039.56]	6.7%
Gustavsson (2010)	229	834.23	8439.4822		834.23	[-258.83; 1927.30]	6.7%
Gustavsson (2011)	234	271.25	1124.5139		271.25	[ 127.16; 415.33]	7.1%
Handels (2018)	43	9246.11	15048.6652		9246.11	[4748.19; 13744.03]	3.5%
Handels (2018)	76	110.43	199.8480		110.43	[ 65.50; 155.36]	7.1%
Howard (2021)	223	5998.20	17709.7978		5998.20	[3673.81; 8322.59]	5.6%
Lenox-Smith (2016)	252	1743.07	6652.7825		1743.07	[ 921.68; 2564.46]	6.9%
Livingston (2014)	67	4900.60	8584.0896		4900.60	[2845.16; 6956.04]	5.9%
Longo (2019)	323	6056.18	16935.1629		6056.18	[4209.31; 7903.05]	6.1%
Mueller (2018)	776	3140.28	63.6815		3140.28	[3135.80; 3144.76]	7.1%
Mueller (2018)	194	3707.40	77.3276		3707.40	[3696.52; 3718.28]	7.1%
Souetre (1999)	128	13155.33	53437.3690		13155.33	[3897.95; 22412.71]	1.3%
Walsh (2019)	253	97.22	351.2113		97.22	[ 53.95; 140.50]	7.1%
Wubker (2015)	72	3421.30	17513.5304		3421.30	[-624.04; 7466.65]	3.9%
<b>Random effects model</b>	<b>3610</b>				<b>2650.59</b>	<b>[1477.08; 3824.10]</b>	<b>100.0%</b>

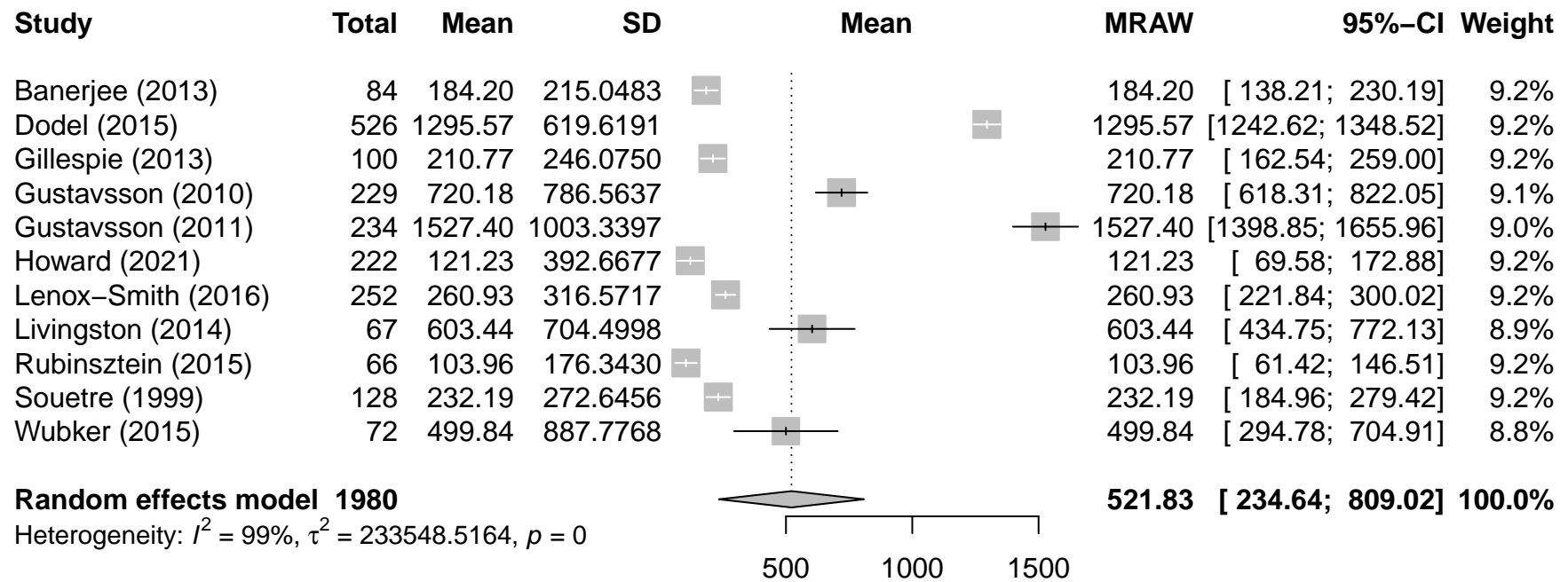
Heterogeneity:  $I^2 = 100\%$ ,  $\tau^2 = 5025442.5894$ ,  $p = 0$

0 5000 10000 15000 20000

British Isles, Community, All, Outpatient care

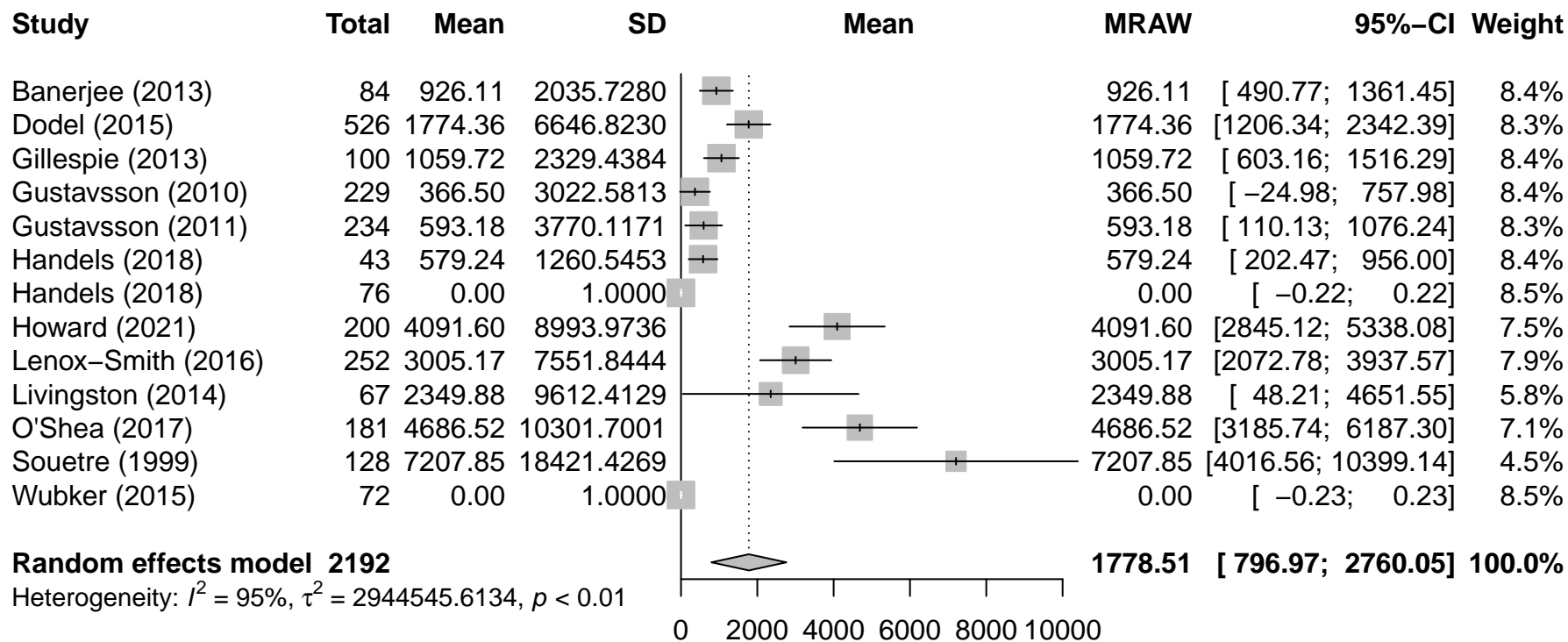


British Isles, Community, All, Pharmaceuticals





British Isles, Community, All, Institutional care

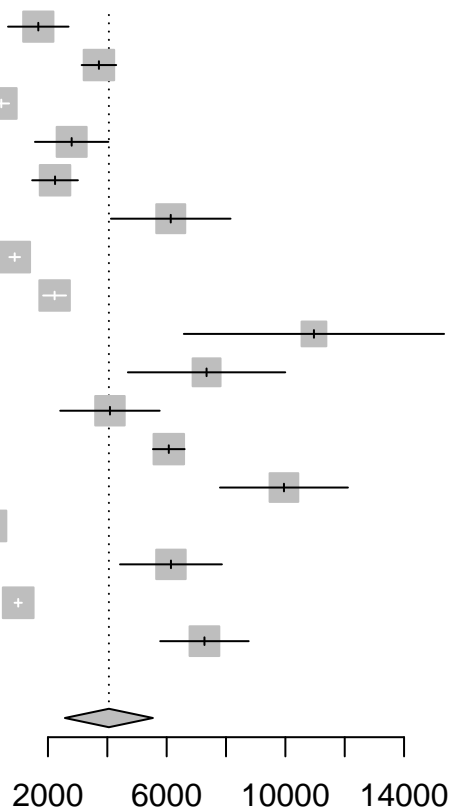


British Isles, Community, All, Community care

Study	Total	Mean	SD	Mean	MRAW	95%-CI	Weight
Banerjee (2013)	84	1674.53	4768.3916		1674.53	[ 654.81; 2694.25]	6.1%
Dodel (2015)	526	3717.71	6804.8758		3717.71	[3136.18; 4299.25]	6.2%
Ferry (2018)	30	426.88	734.9132		426.88	[ 163.90; 689.86]	6.3%
Gillespie (2013)	100	2799.09	6312.7532		2799.09	[1561.82; 4036.37]	6.0%
Gustavsson (2010)	229	2238.71	5949.2170		2238.71	[1468.18; 3009.24]	6.2%
Gustavsson (2011)	234	6137.35	15726.0109		6137.35	[4122.43; 8152.27]	5.6%
Handels (2018)	43	879.14	604.9169		879.14	[ 698.33; 1059.94]	6.3%
Handels (2018)	76	2223.83	1714.3590		2223.83	[1838.40; 2609.26]	6.2%
Howard (2021)	203	10963.32	31874.9439		10963.32	[6578.52; 15348.11]	4.1%
Lenox-Smith (2016)	252	7344.66	21472.0969		7344.66	[4693.58; 9995.73]	5.2%
Livingston (2014)	67	4089.19	6997.4188		4089.19	[2413.68; 5764.71]	5.8%
Longo (2019)	323	6071.99	4895.8708		6071.99	[5538.07; 6605.91]	6.2%
O'Shea (2017)	181	9952.38	14795.0104		9952.38	[7797.00; 12107.77]	5.5%
Rubinsztein (2015)	66	78.96	68.4316		78.96	[ 62.45; 95.47]	6.3%
Souetre (1999)	128	6144.77	9910.0932		6144.77	[4427.96; 7861.57]	5.8%
Walsh (2019)	253	997.92	1001.3066		997.92	[ 874.54; 1121.30]	6.3%
Wubker (2015)	72	7273.48	6453.4742		7273.48	[5782.83; 8764.13]	5.9%

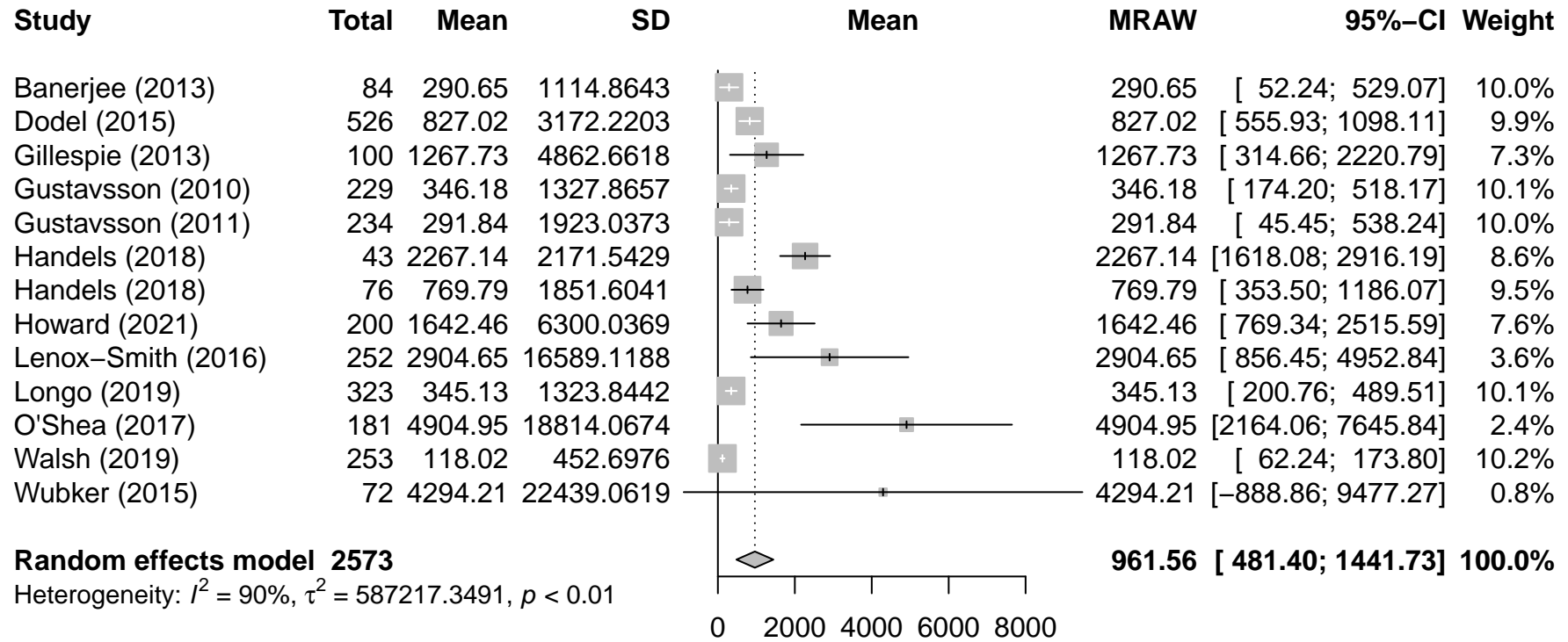
**Random effects model 2867**

Heterogeneity:  $I^2 = 99\%$ ,  $\tau^2 = 9113656.2029$ ,  $p < 0.01$

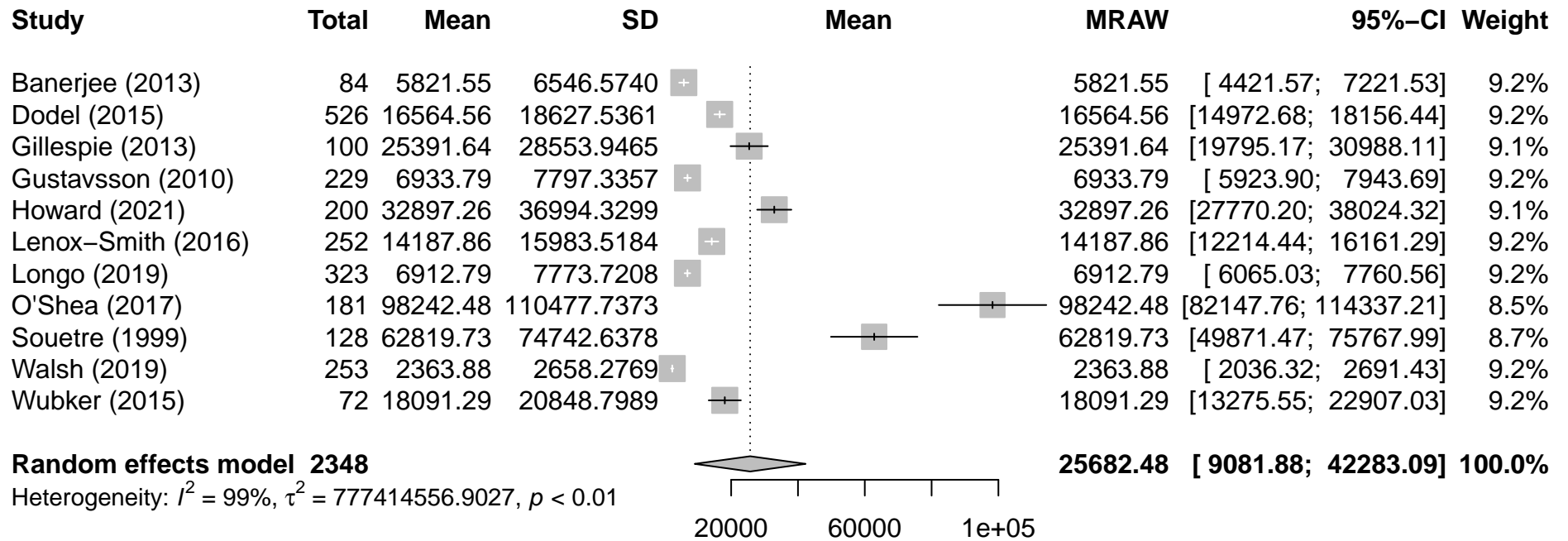


**4053.34 [2571.01; 5535.67] 100.0%**

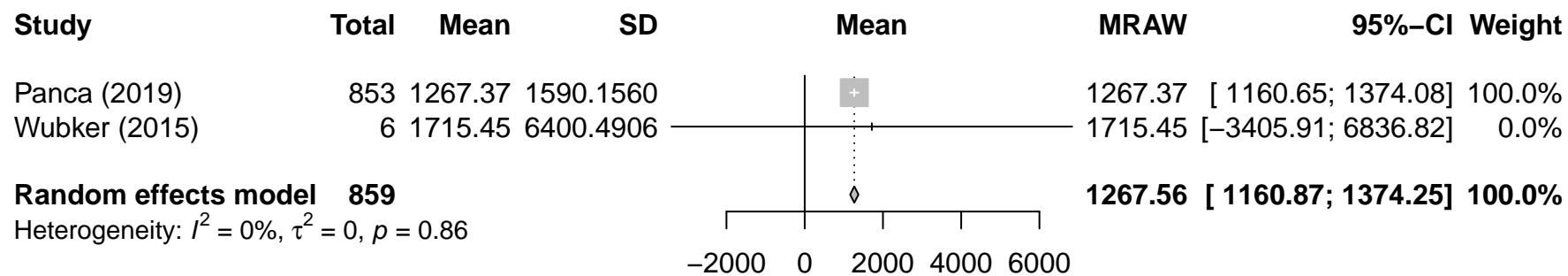
British Isles, Community, All, Caregiver work loss



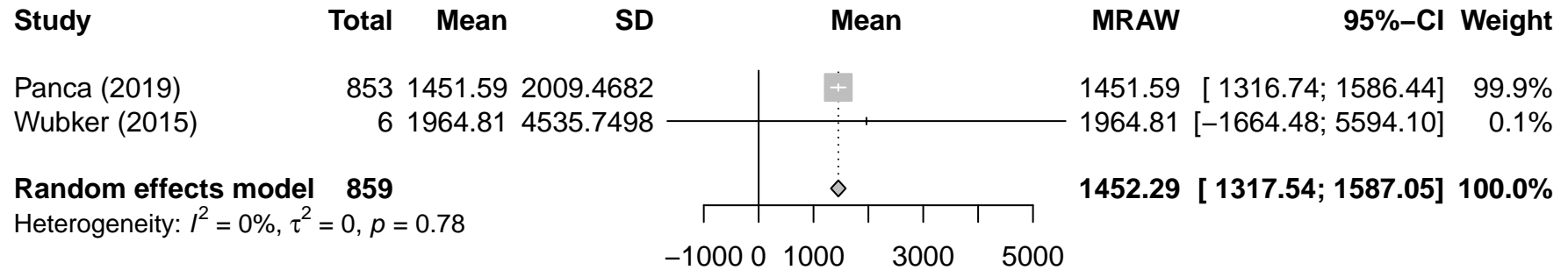
British Isles, Community, All, Caregiver time



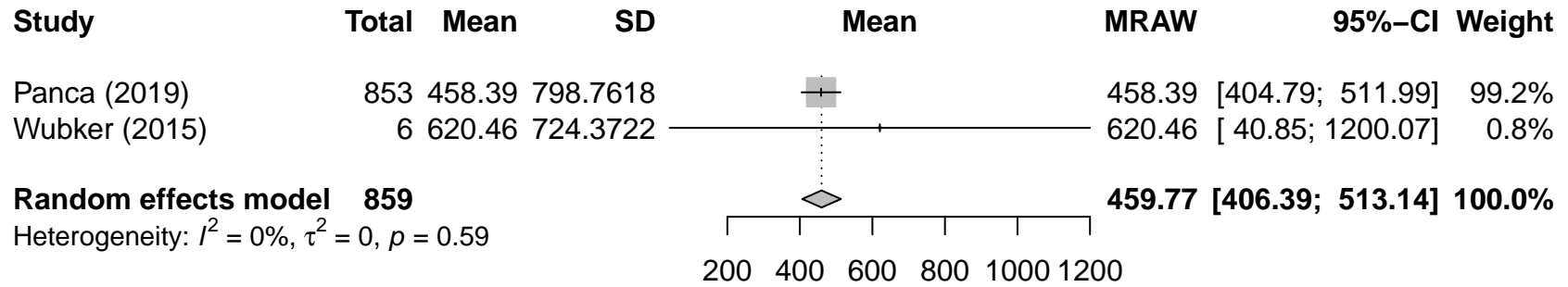
British Isles, Institution, Mild, Inpatient care



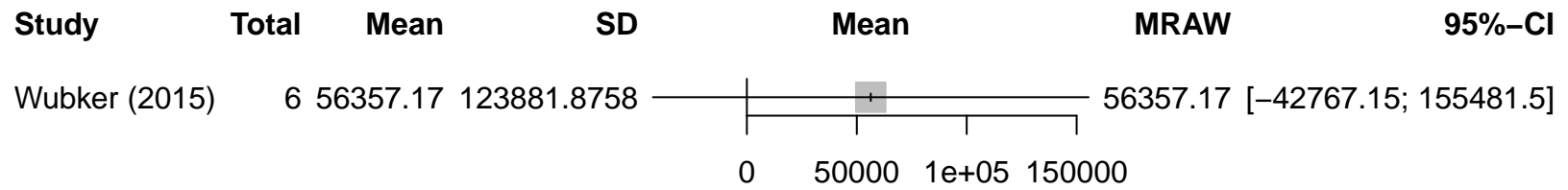
British Isles, Institution, Mild, Outpatient care



British Isles, Institution, Mild, Pharmaceuticals

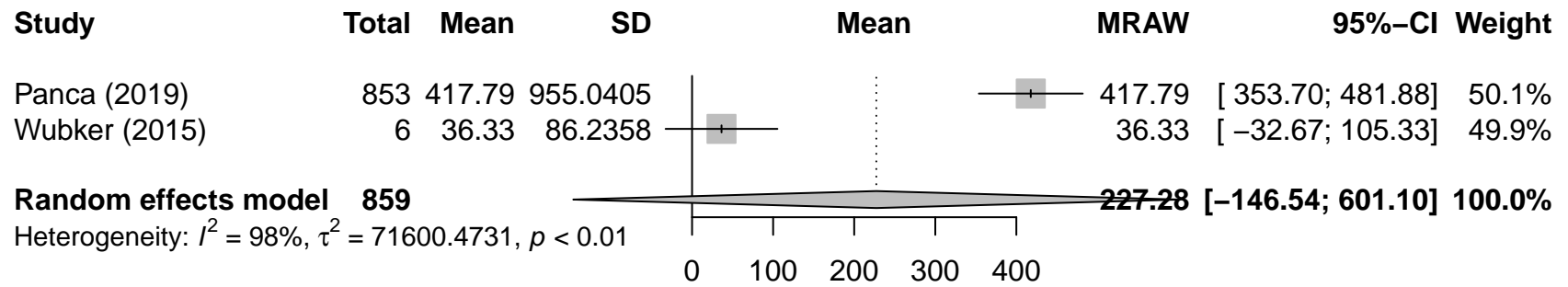


British Isles, Institution, Mild, Institutional care

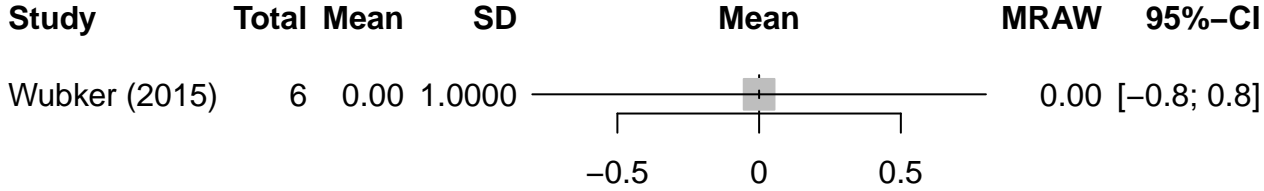




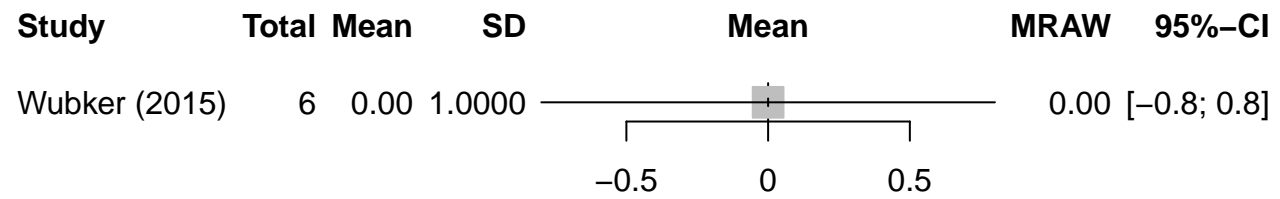
British Isles, Institution, Mild, Community care



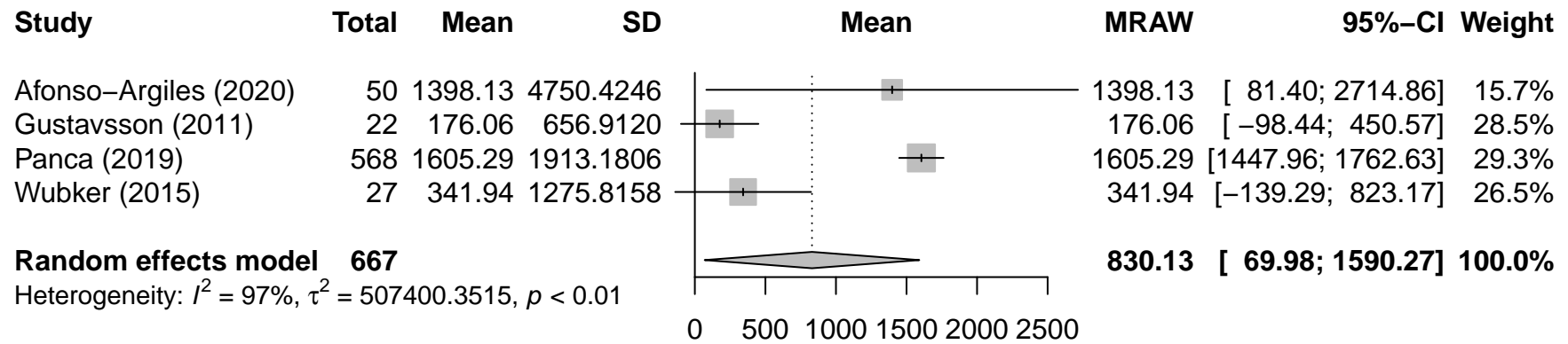
British Isles, Institution, Mild, Caregiver work loss



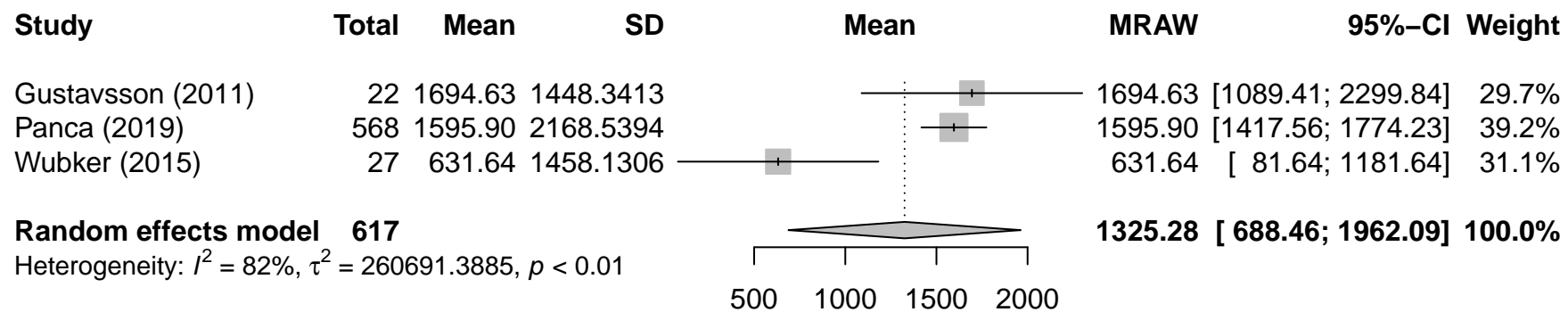
British Isles, Institution, Mild, Caregiver time



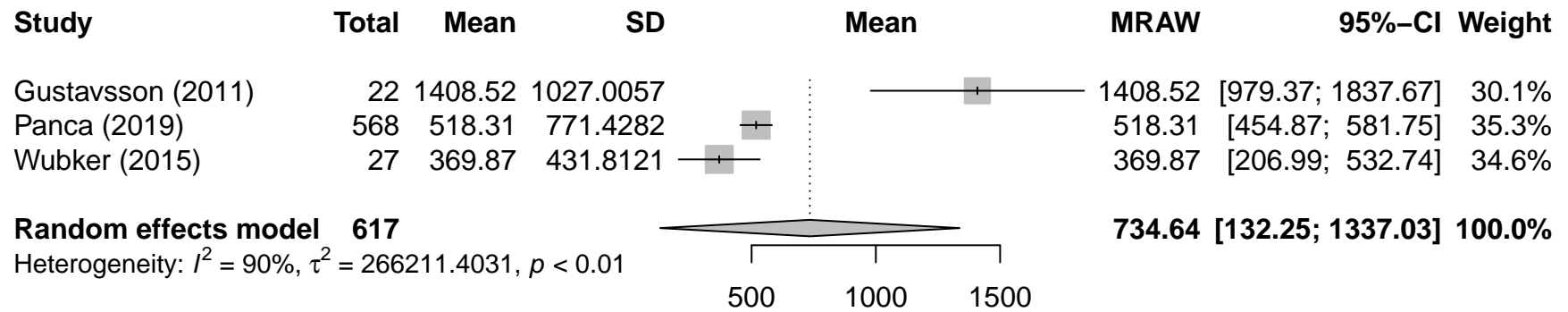
British Isles, Institution, Moderate, Inpatient care



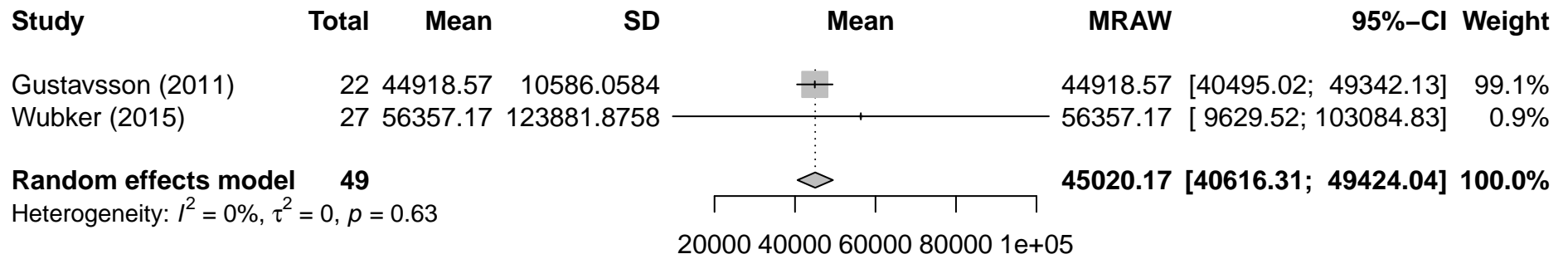
British Isles, Institution, Moderate, Outpatient care



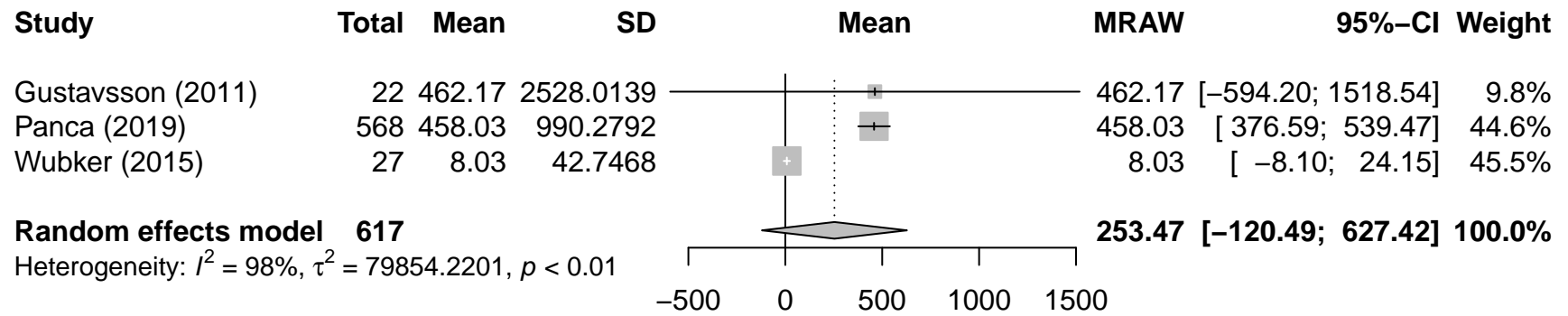
British Isles, Institution, Moderate, Pharmaceuticals



British Isles, Institution, Moderate, Institutional care

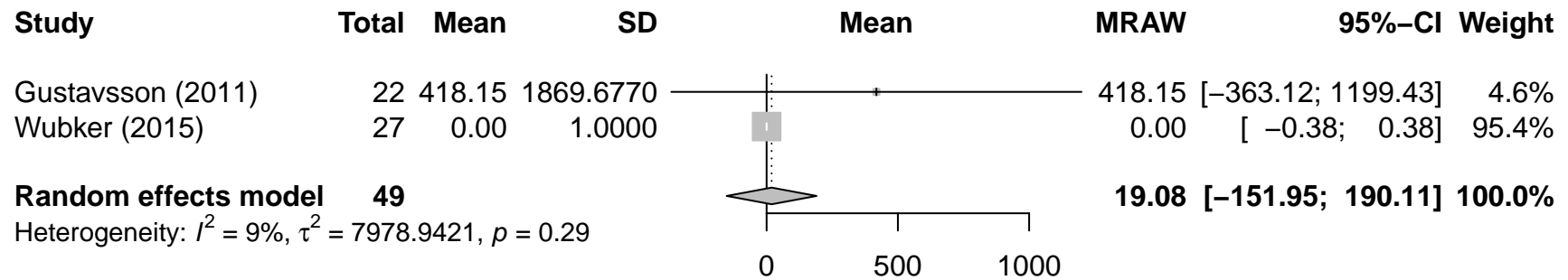


British Isles, Institution, Moderate, Community care

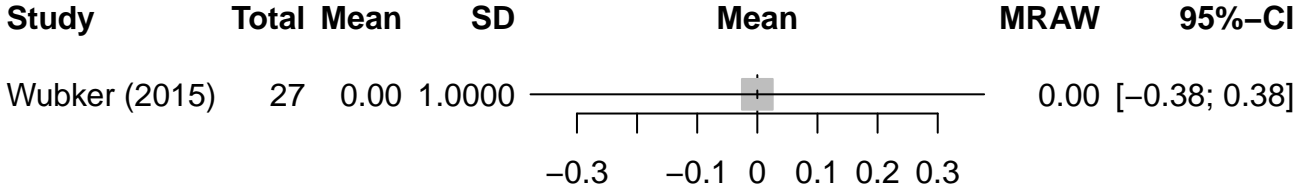




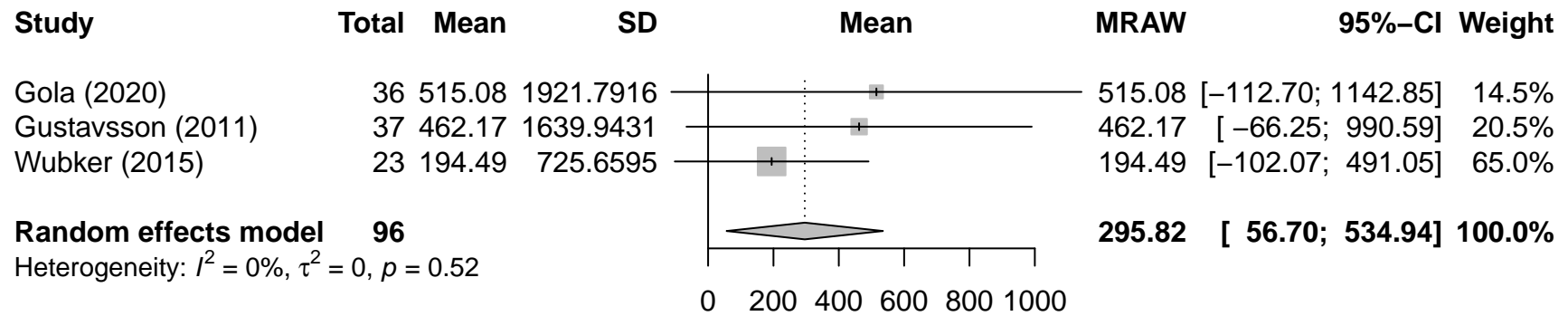
British Isles, Institution, Moderate, Caregiver work loss



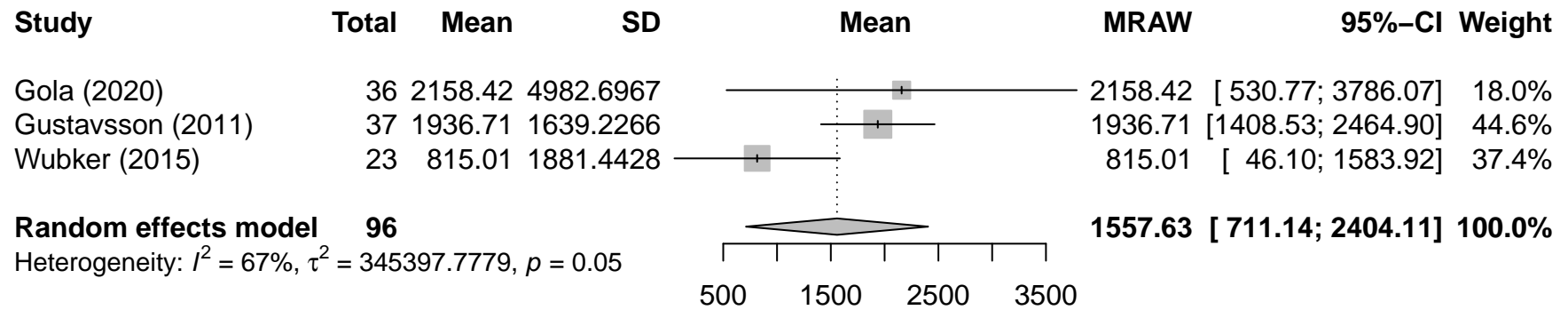
British Isles, Institution, Moderate, Caregiver time



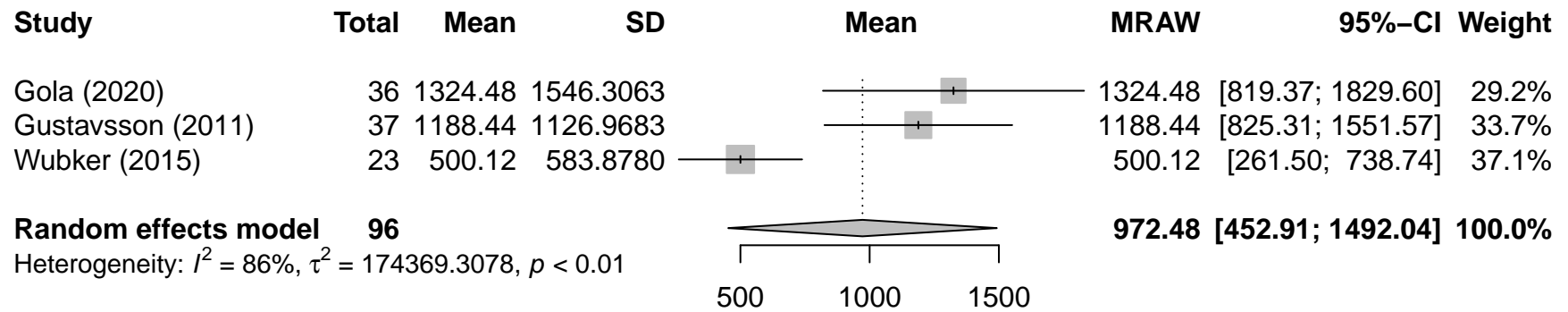
British Isles, Institution, Severe, Inpatient care



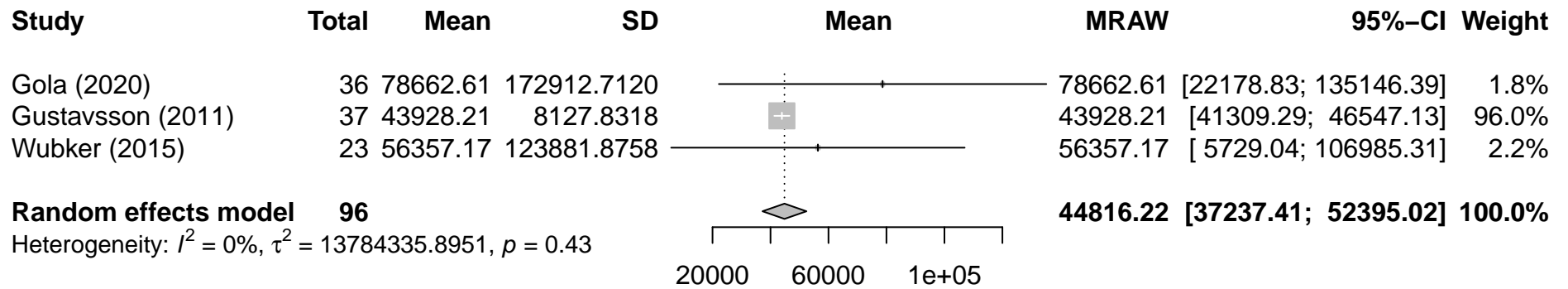
British Isles, Institution, Severe, Outpatient care



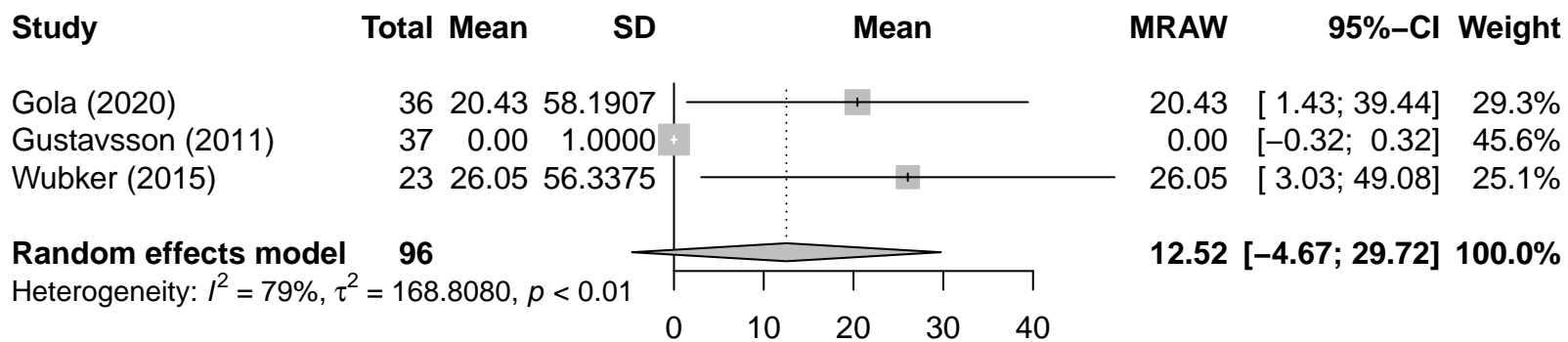
British Isles, Institution, Severe, Pharmaceuticals



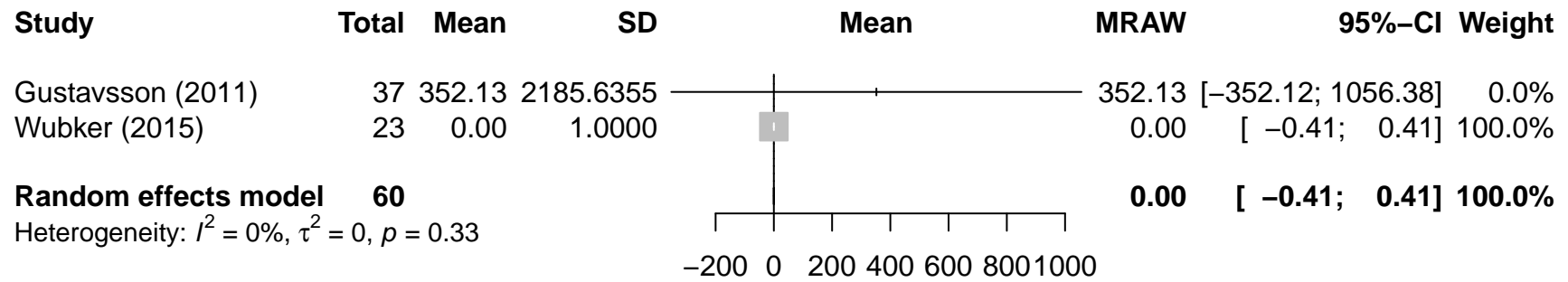
British Isles, Institution, Severe, Institutional care



British Isles, Institution, Severe, Community care

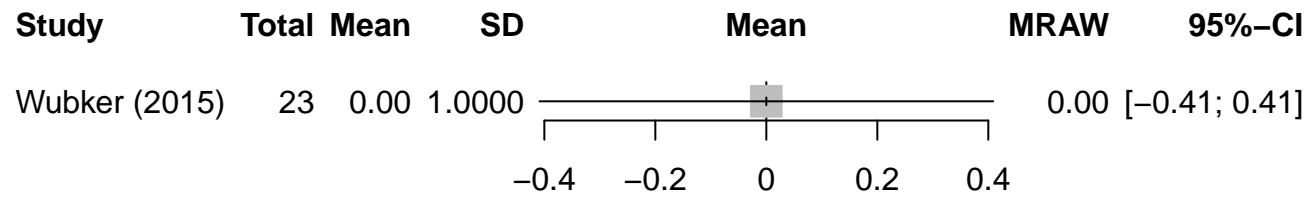


British Isles, Institution, Severe, Caregiver work loss

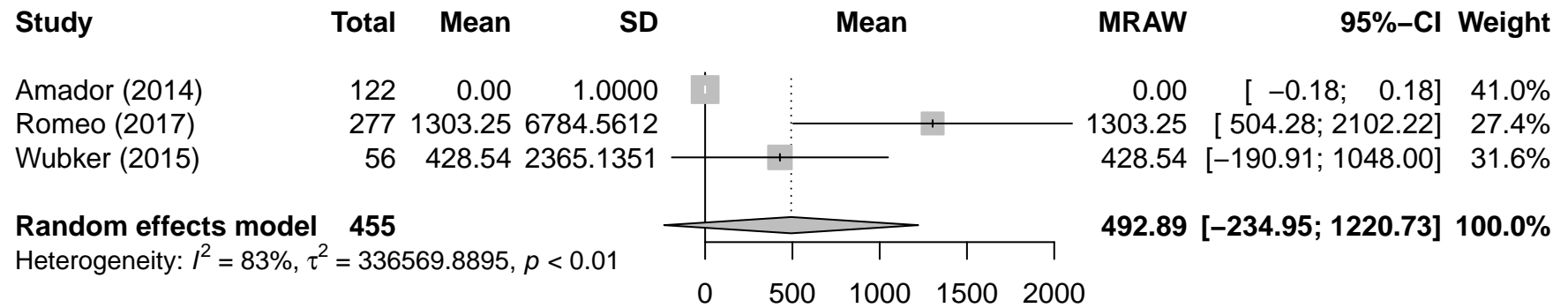




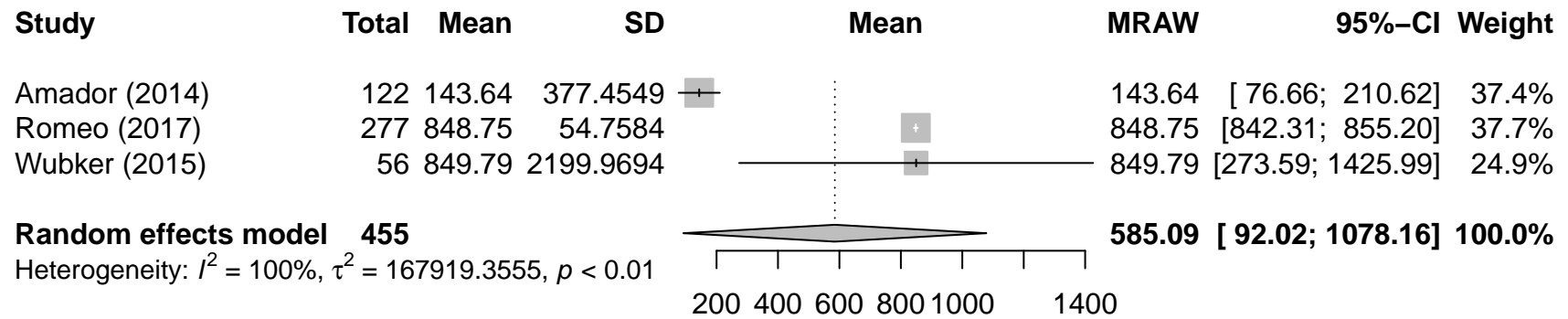
British Isles, Institution, Severe, Caregiver time



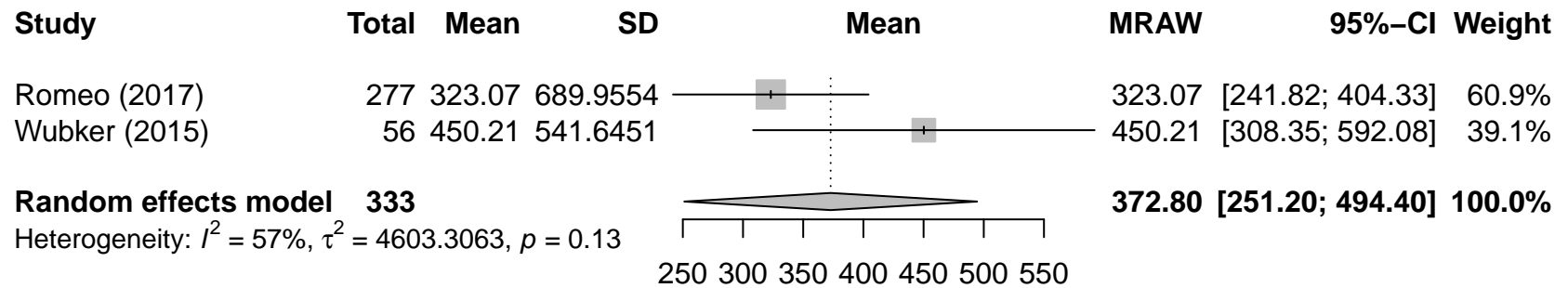
British Isles, Institution, All, Inpatient care



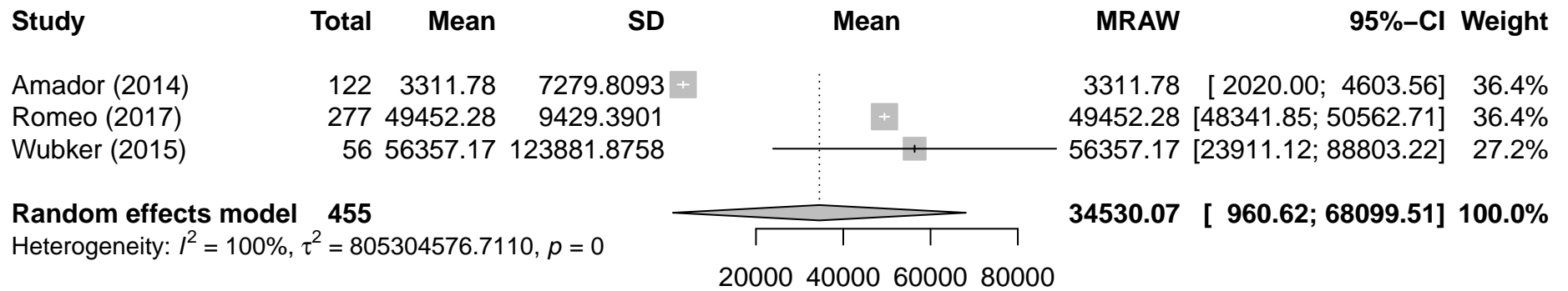
British Isles, Institution, All, Outpatient care



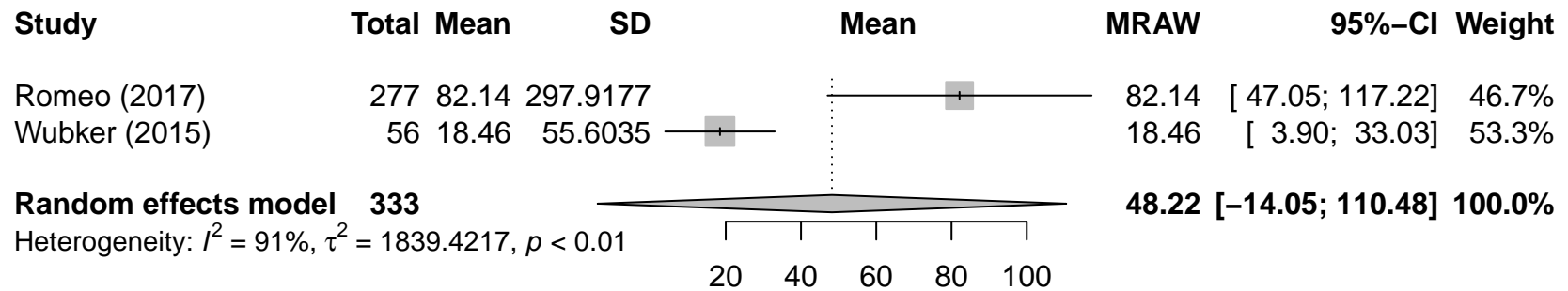
British Isles, Institution, All, Pharmaceuticals



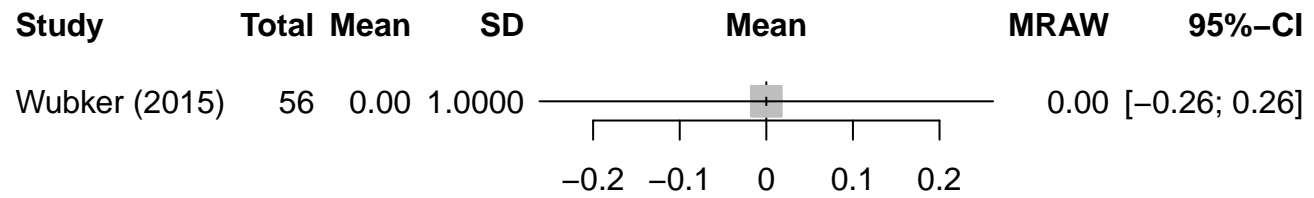
British Isles, Institution, All, Institutional care



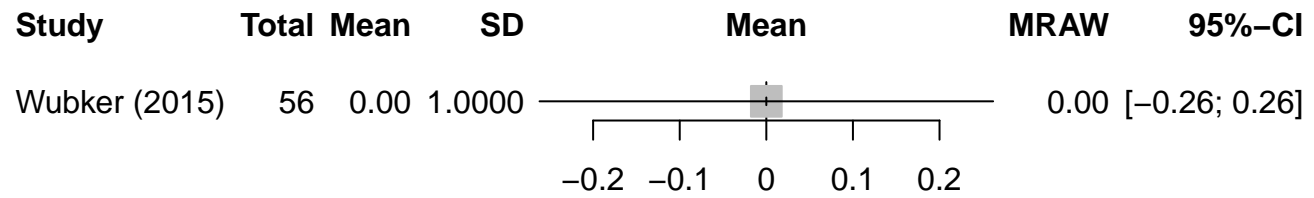
British Isles, Institution, All, Community care



British Isles, Institution, All, Caregiver work loss

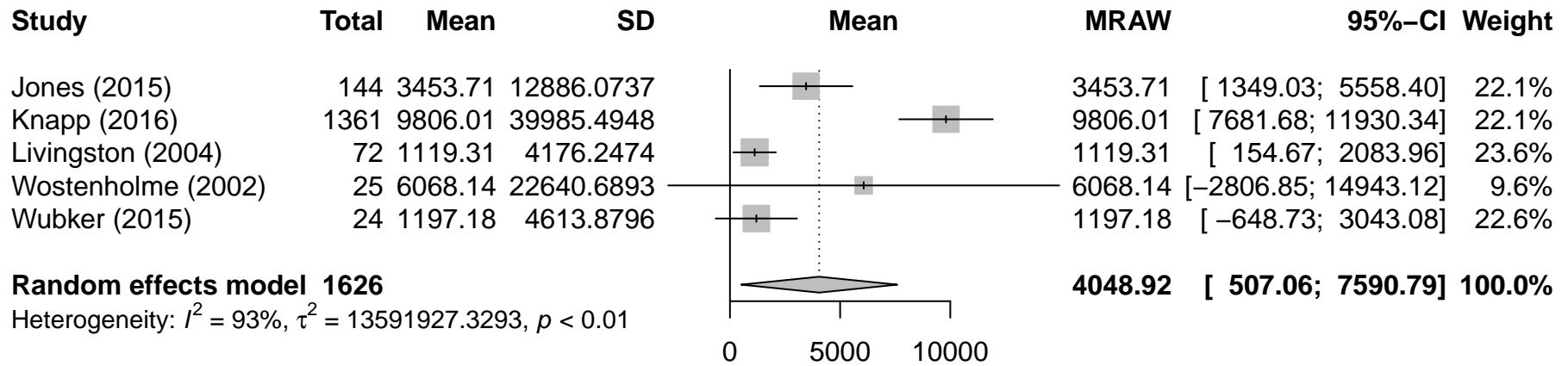


British Isles, Institution, All, Caregiver time

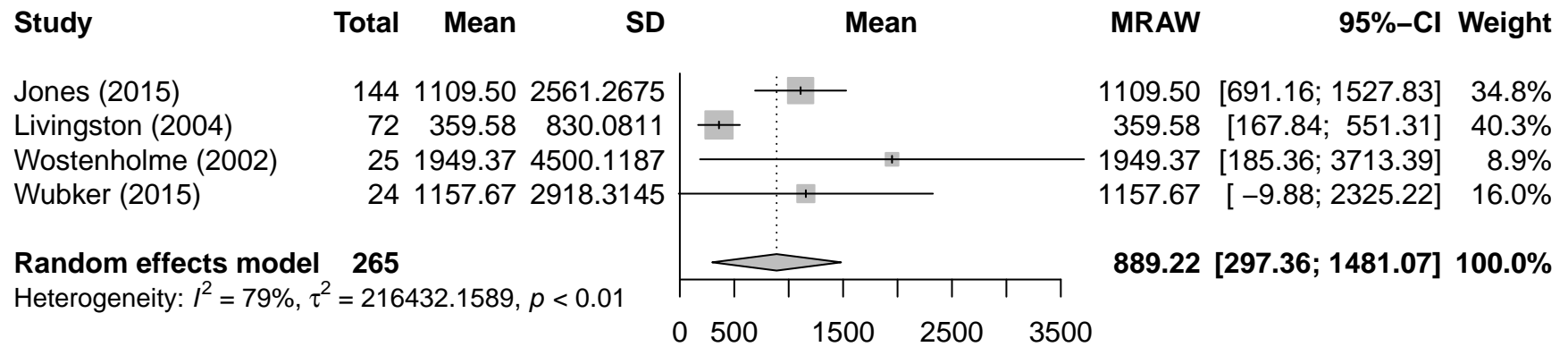




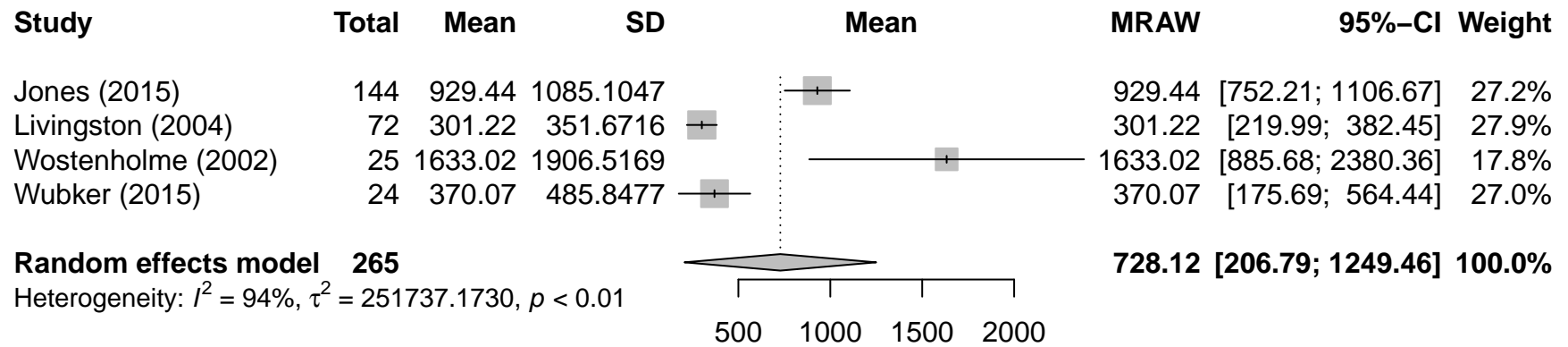
British Isles, All, Mild, Inpatient care



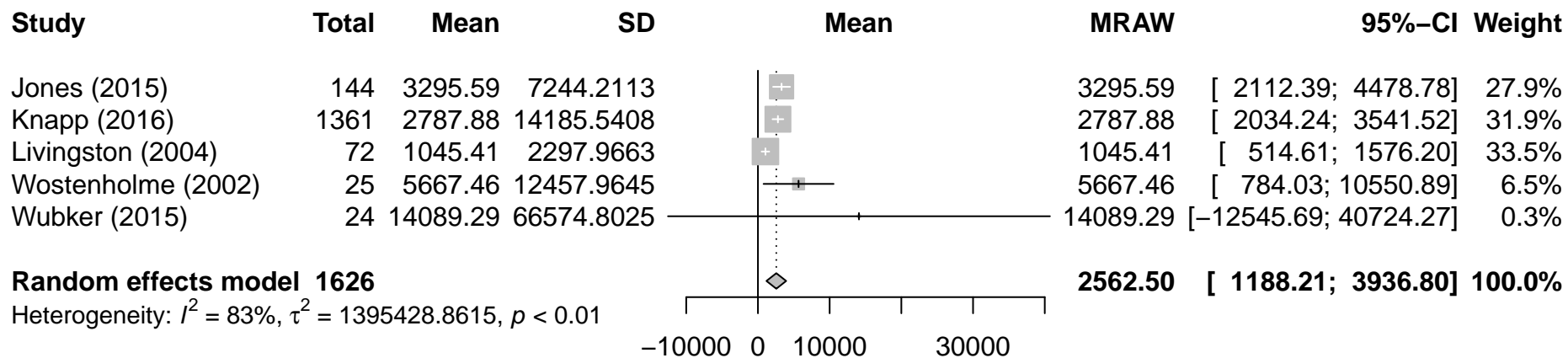
British Isles, All, Mild, Outpatient care



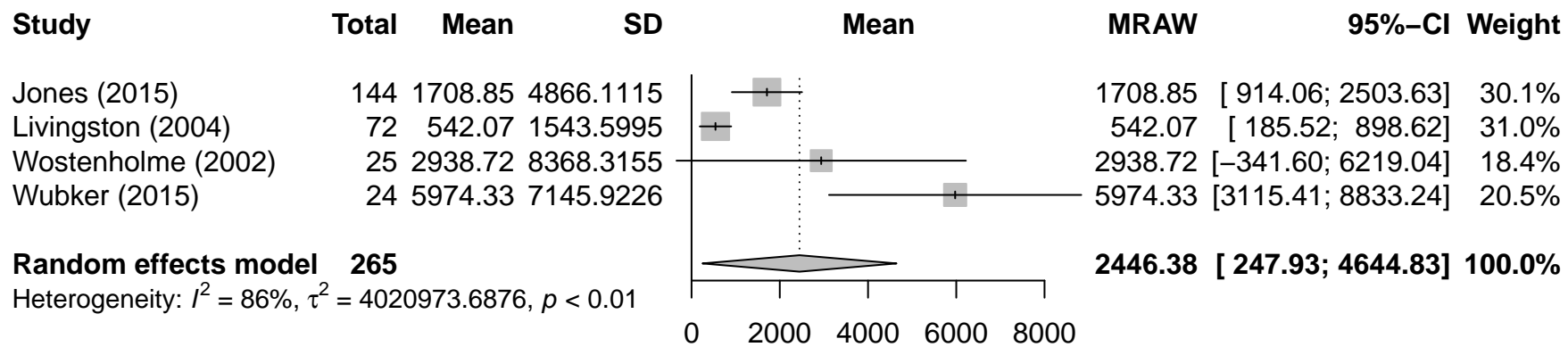
British Isles, All, Mild, Pharmaceuticals



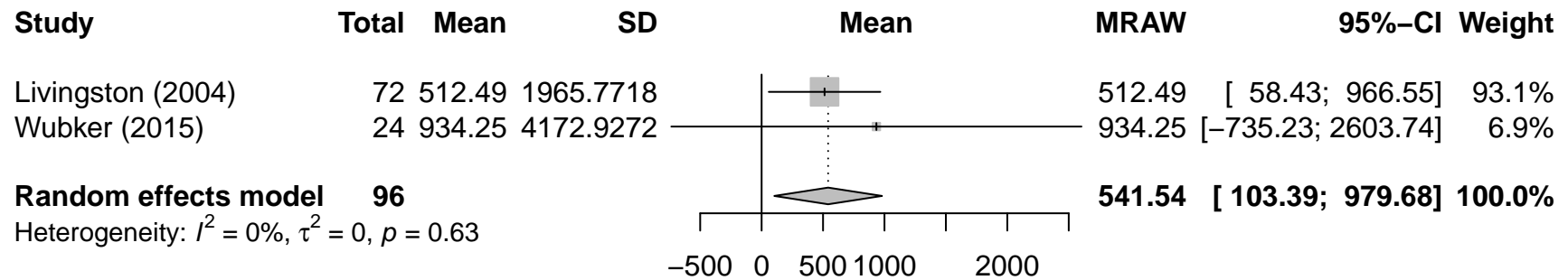
British Isles, All, Mild, Institutional care



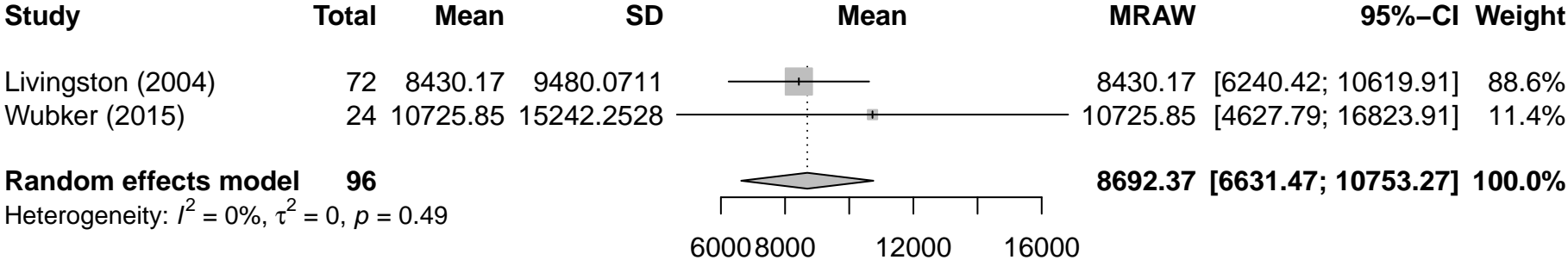
British Isles, All, Mild, Community care



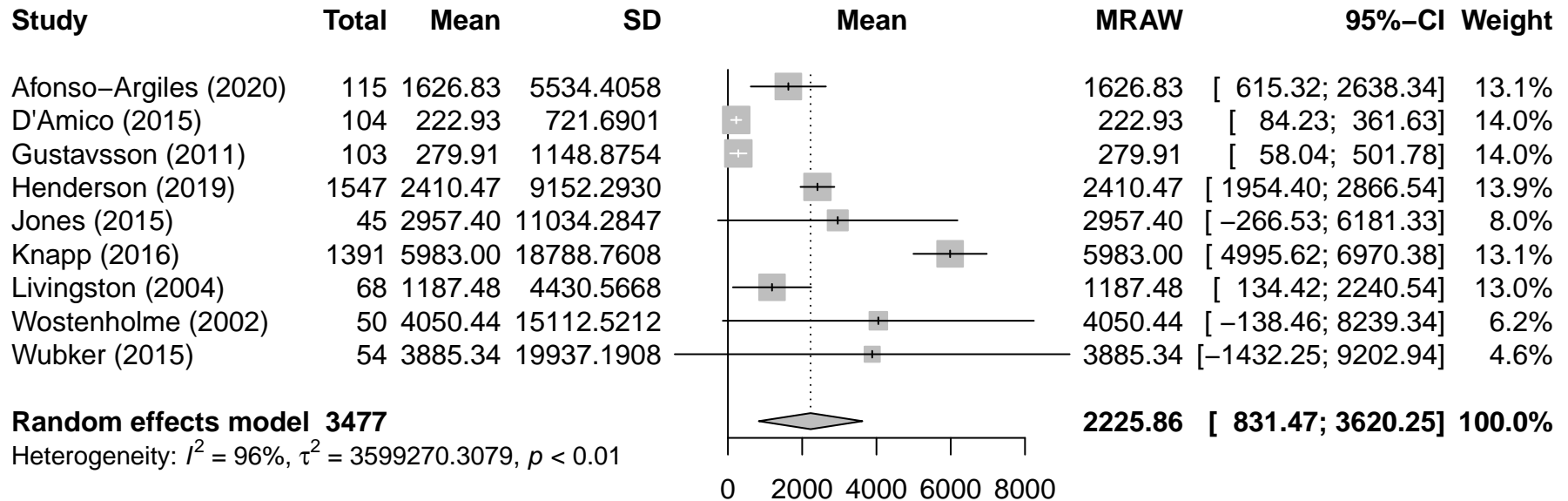
British Isles, All, Mild, Caregiver work loss



British Isles, All, Mild, Caregiver time

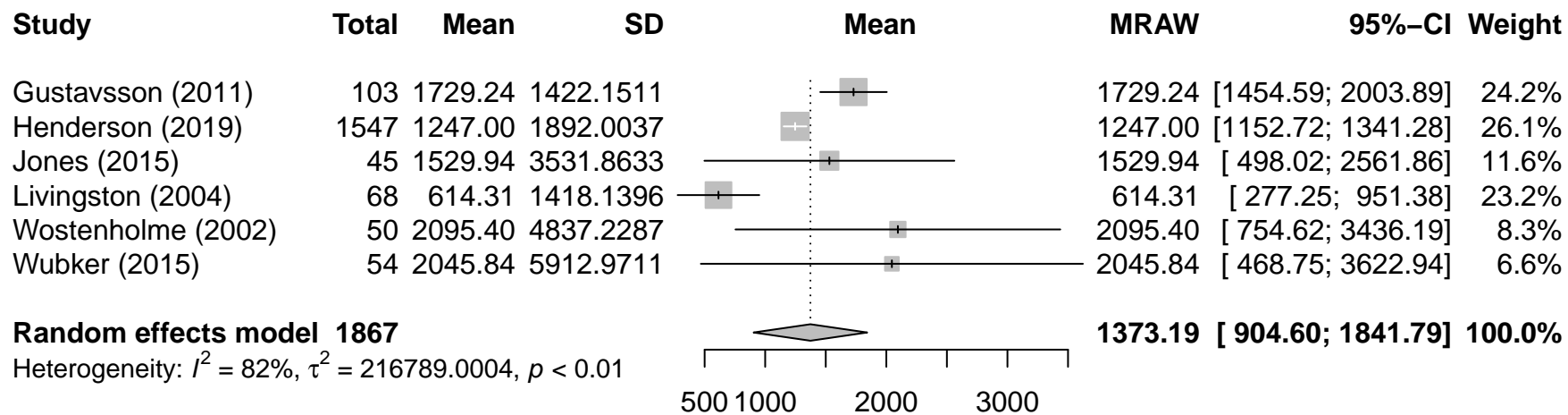


British Isles, All, Moderate, Inpatient care

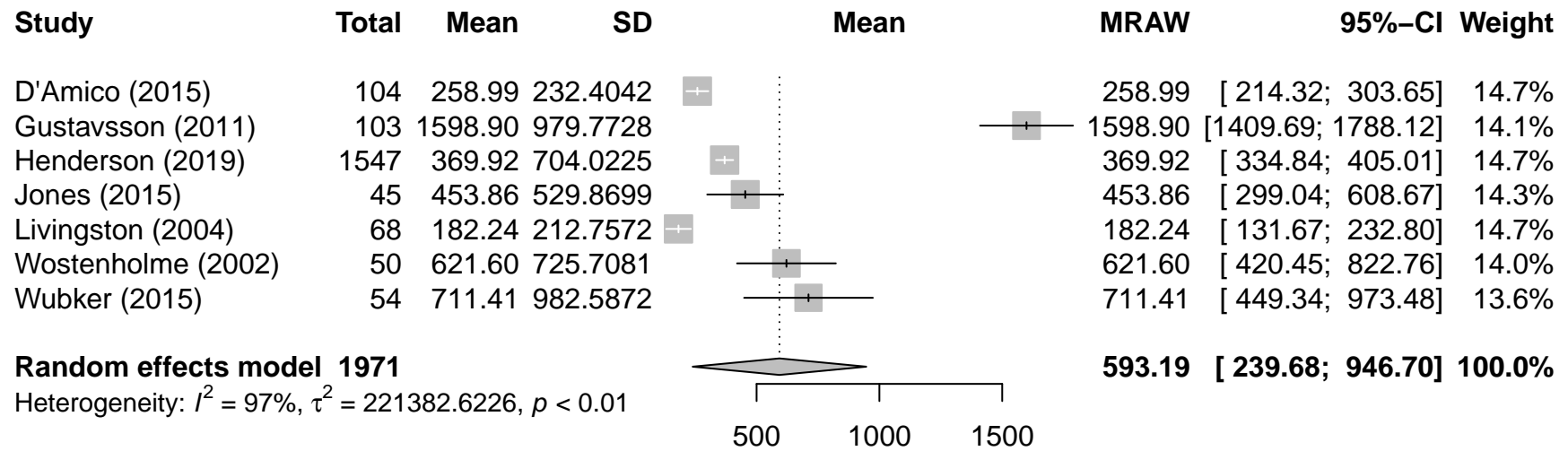




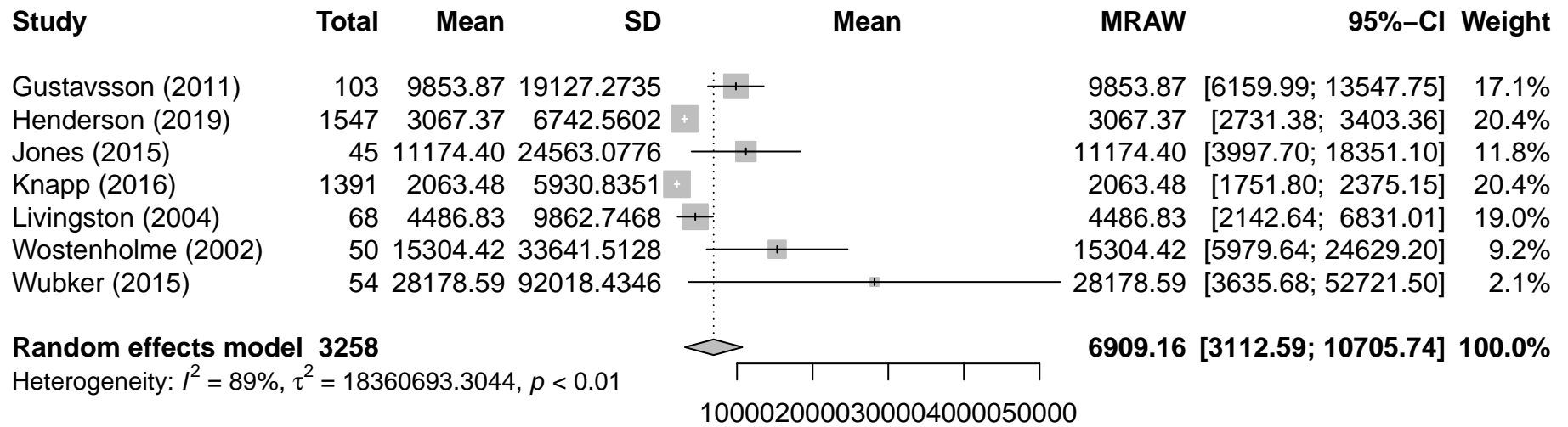
British Isles, All, Moderate, Outpatient care



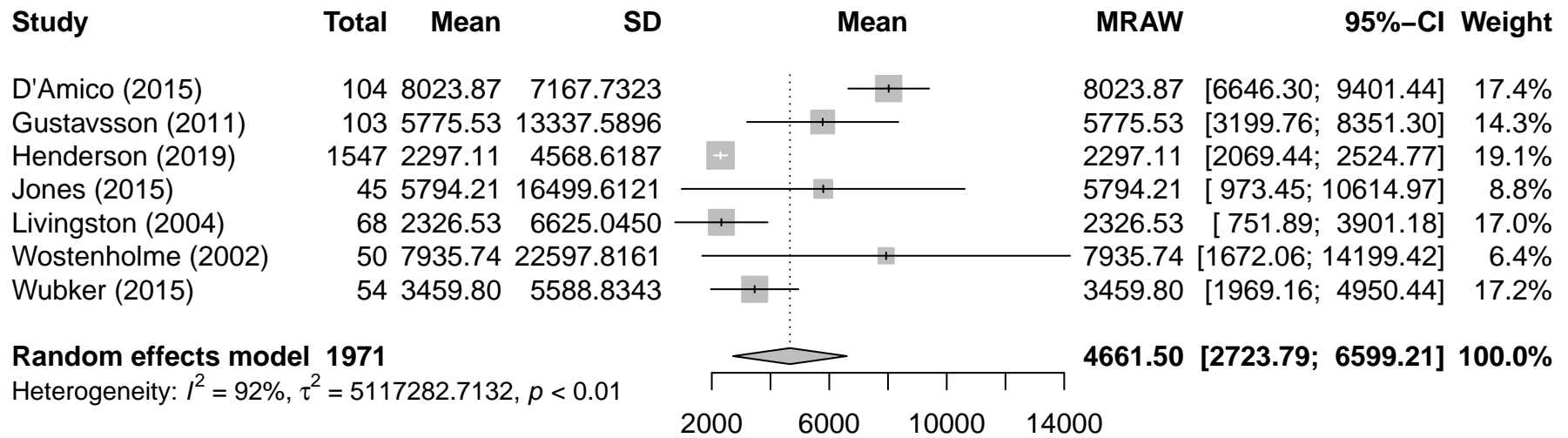
British Isles, All, Moderate, Pharmaceuticals



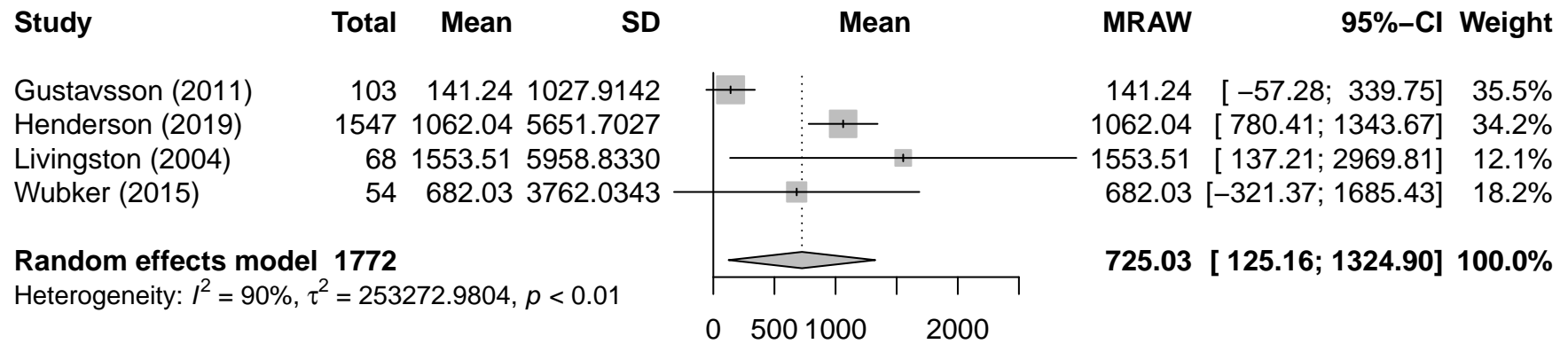
British Isles, All, Moderate, Institutional care



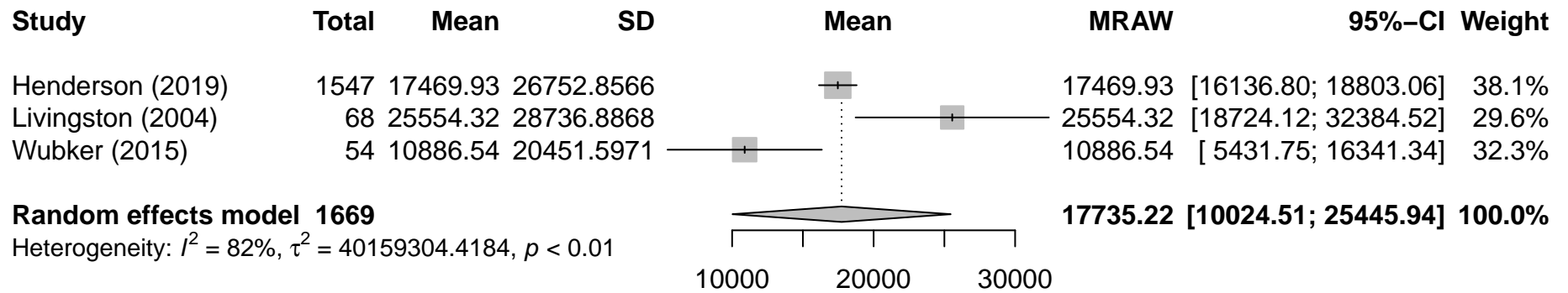
British Isles, All, Moderate, Community care



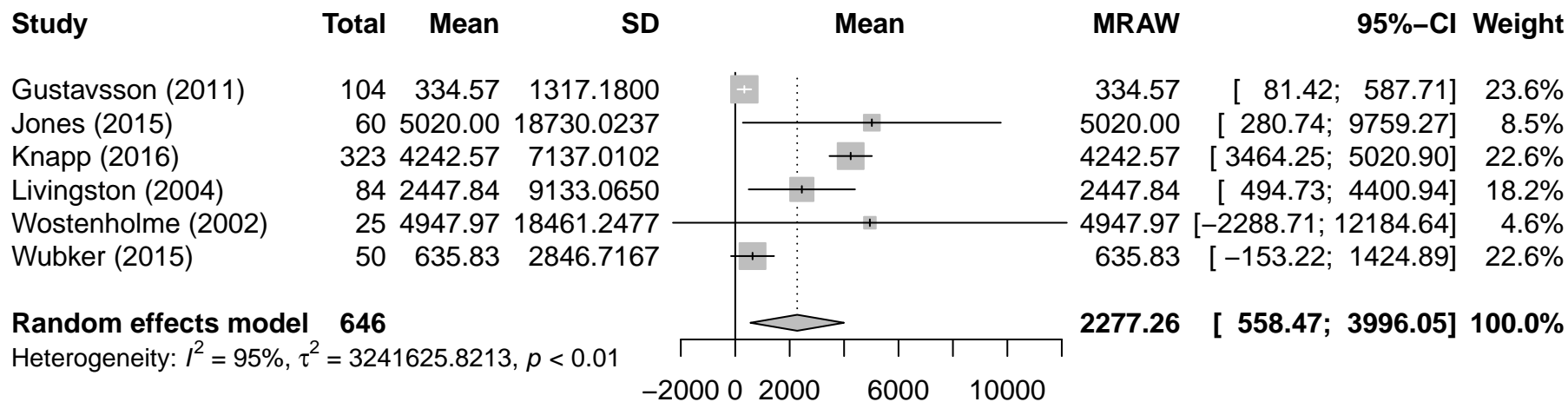
British Isles, All, Moderate, Caregiver work loss



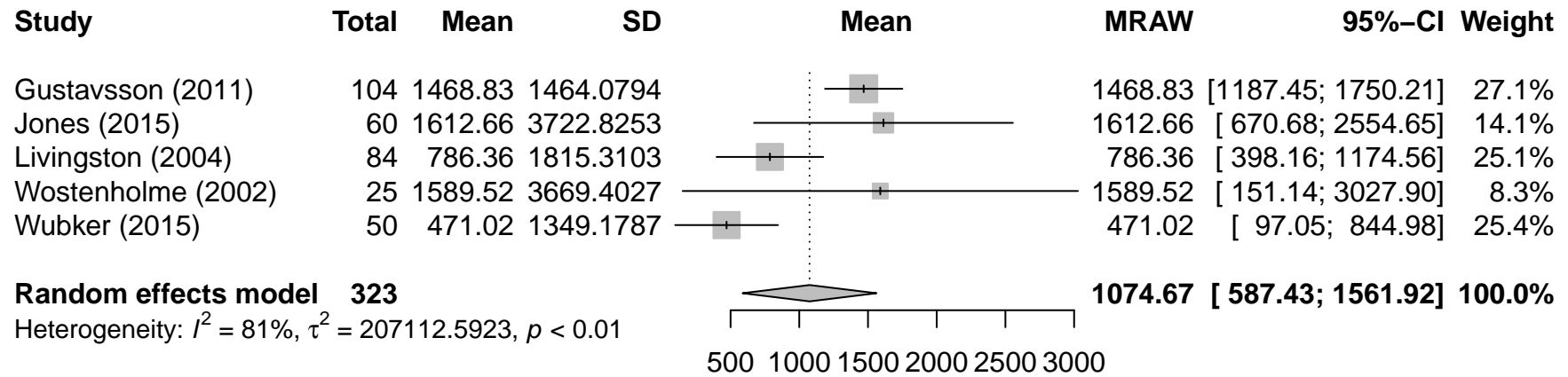
British Isles, All, Moderate, Caregiver time



British Isles, All, Severe, Inpatient care

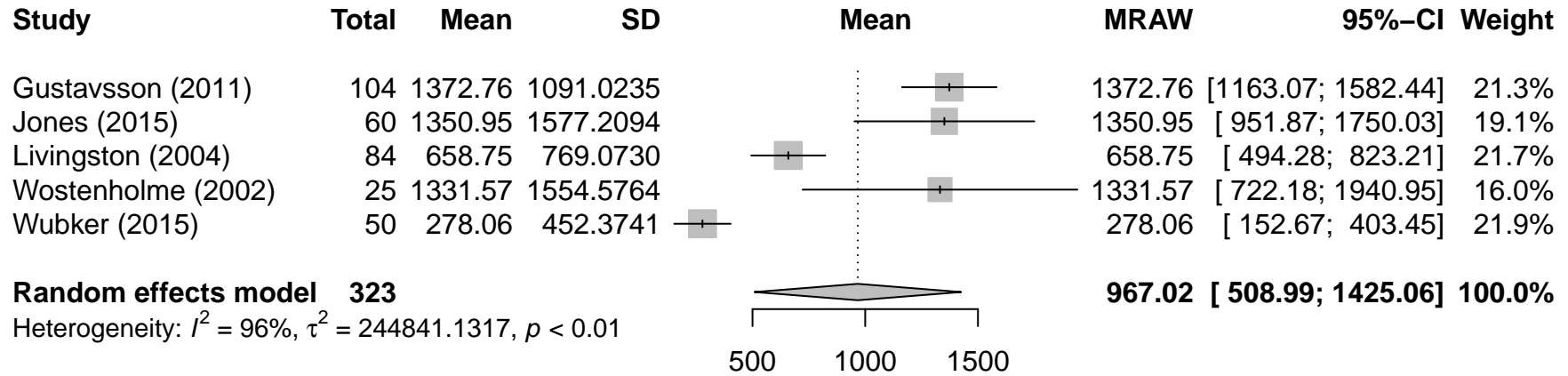


British Isles, All, Severe, Outpatient care

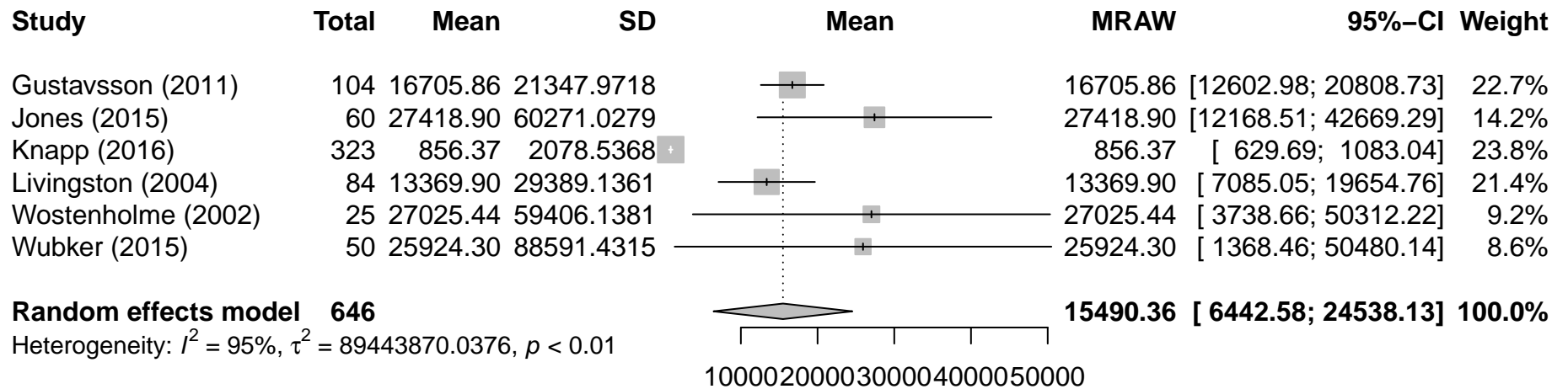




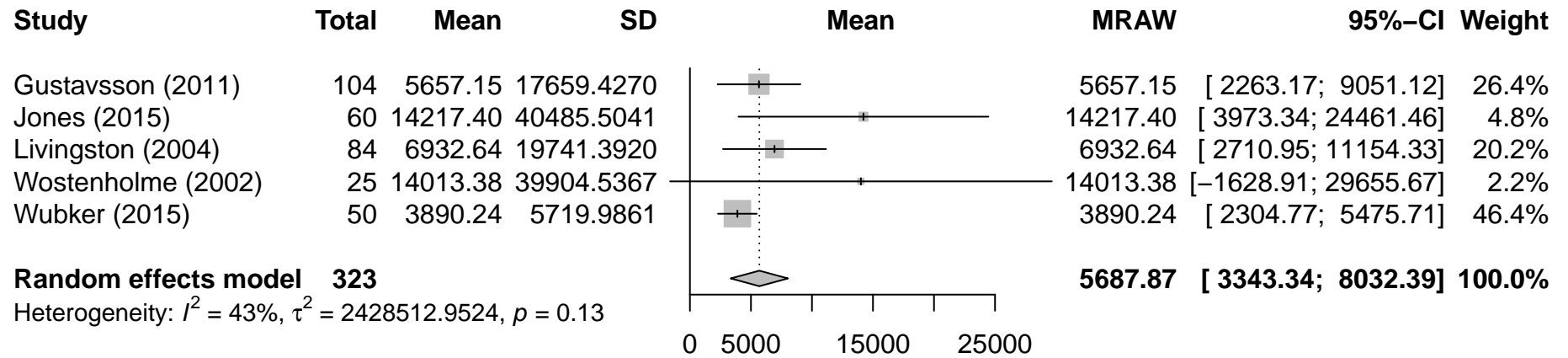
British Isles, All, Severe, Pharmaceuticals



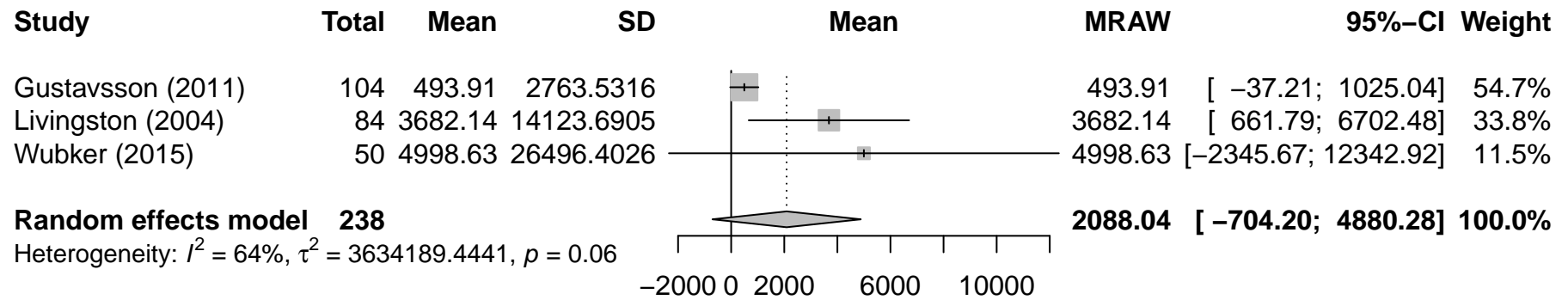
British Isles, All, Severe, Institutional care



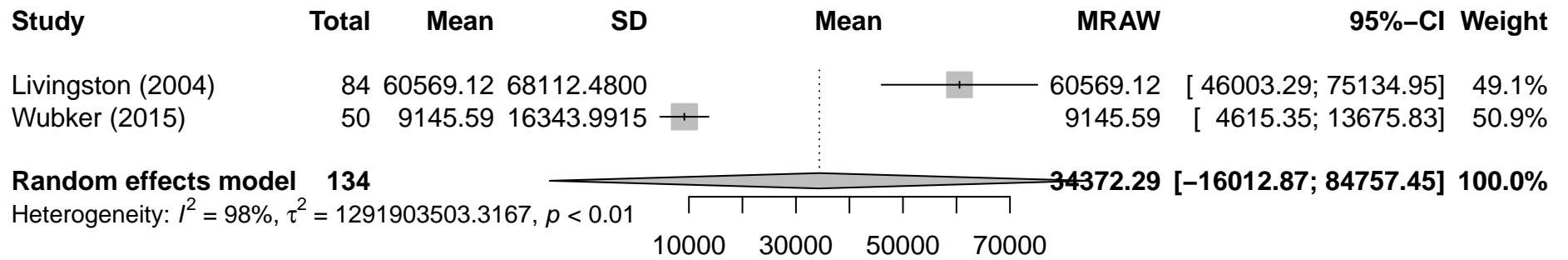
British Isles, All, Severe, Community care



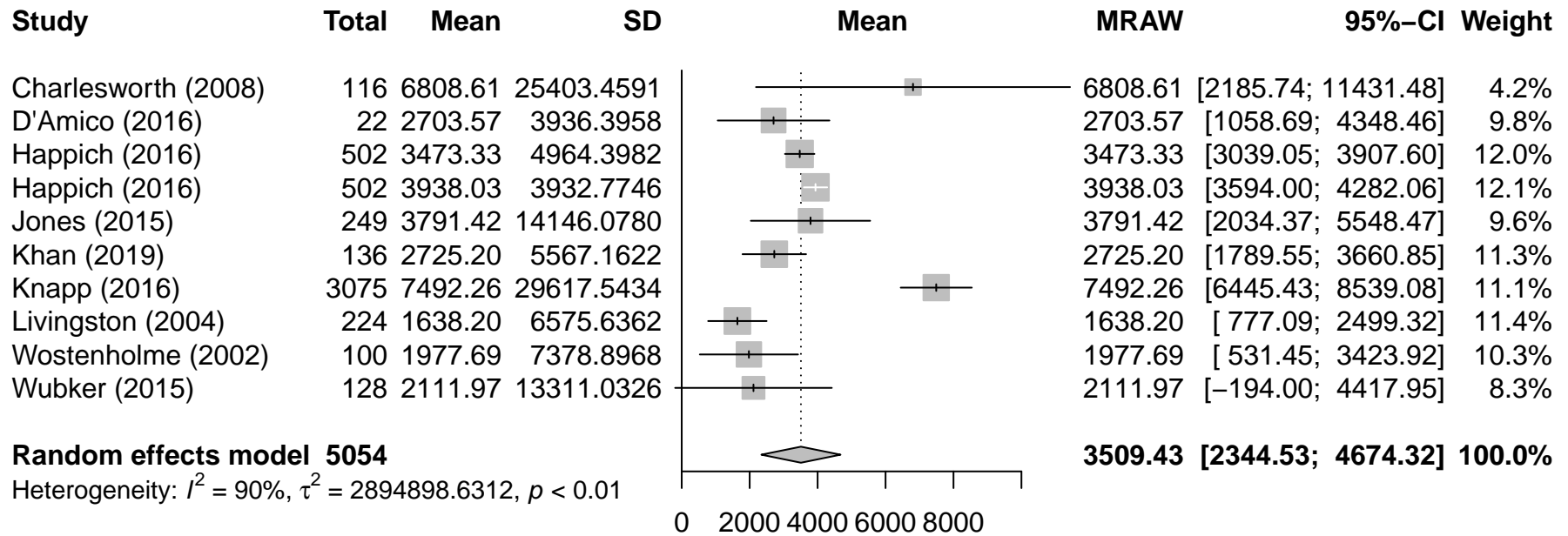
British Isles, All, Severe, Caregiver work loss



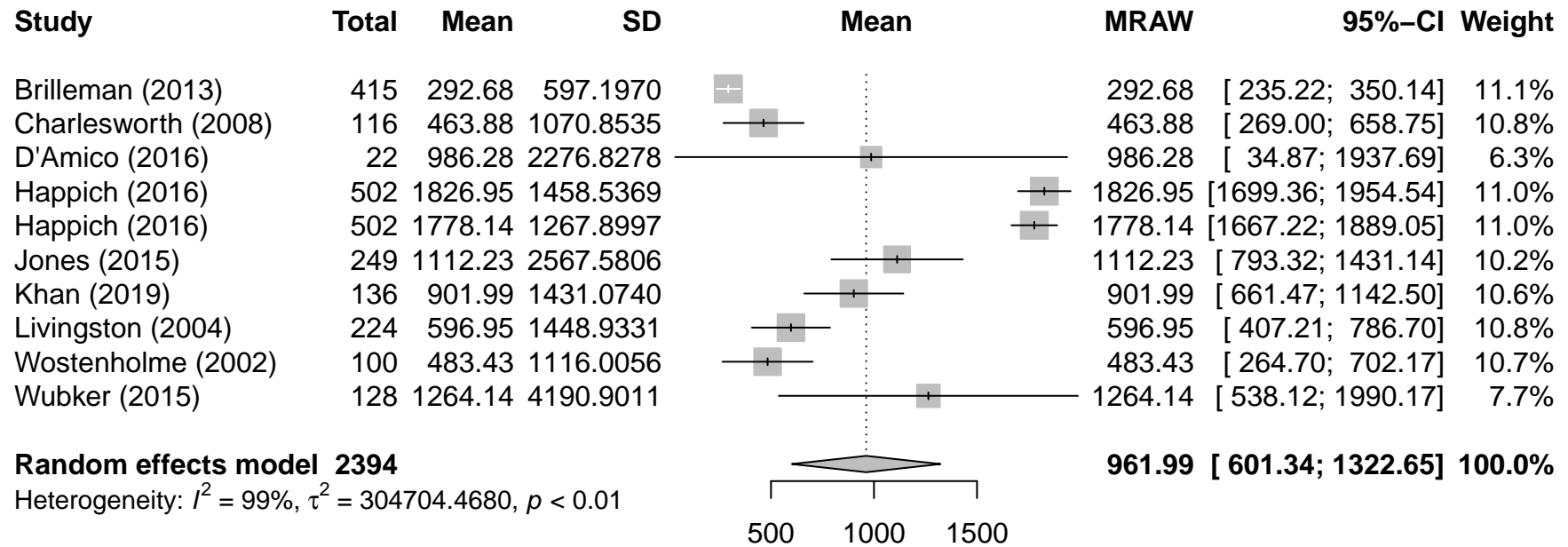
British Isles, All, Severe, Caregiver time



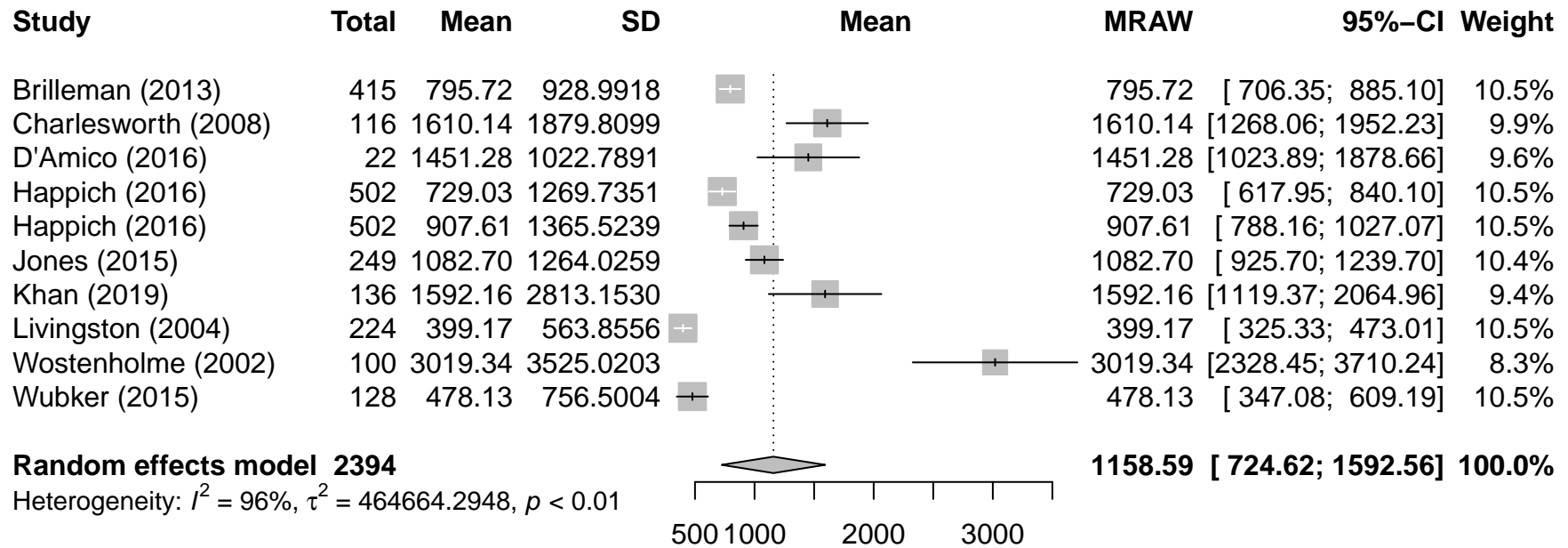
British Isles, All, All, Inpatient care



British Isles, All, All, Outpatient care

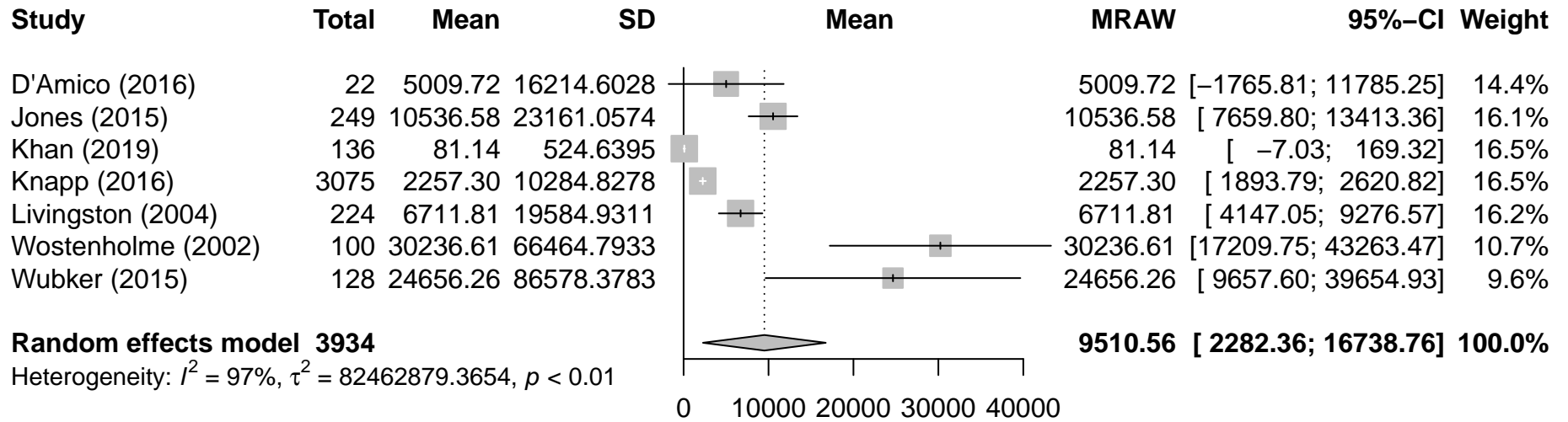


British Isles, All, All, Pharmaceuticals

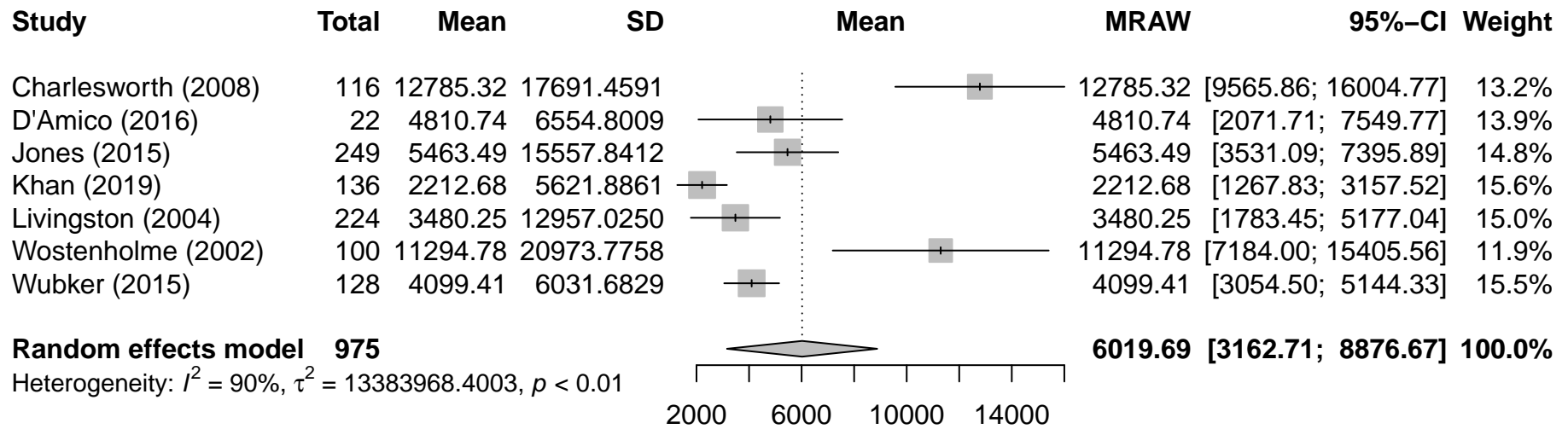




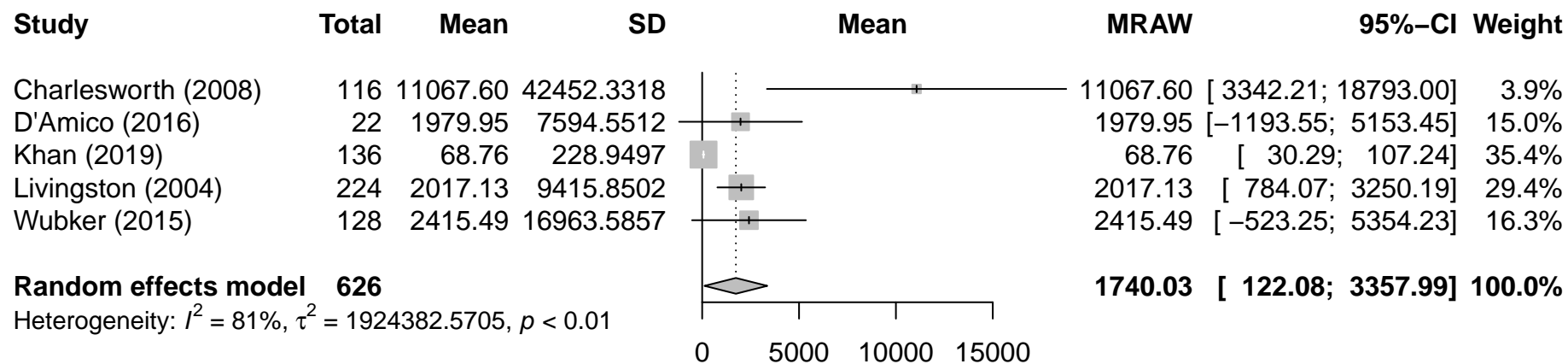
British Isles, All, All, Institutional care



British Isles, All, All, Community care



British Isles, All, All, Caregiver work loss



British Isles, All, All, Caregiver time

