

Online Resource 5. Maslach Burnout Inventory scoring systems used in included studies.

Study	Version	Number of items				Item scoring	Final score	Cut points for EE			Cut points for DP			Cut points for PA			Inclusion in pooled prevalence MA		Inclusion in pooled mean MA	
		Total	EE	DP	PA			Low	Mod.	High	Low	Mod.	High	Low	Mod.	High	Y / N	Reason for exclusion	Y / N	Reason for exclusion
Al-Inam (2014)	MBI-GS	16	5	5	6	7-point likert scale (0-6)	Summing score from all items in each domain	0-7	8-15	≥16	0-5	6-12	≥13	0-23	24-29	≥30	N	Different cut-points used	N	Different version of tool used (16-item version)
Balogun (2002)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	>27	<6	7-12	>39	>39	32-38	0-31	Y	-	Y	-
Bejer (2019)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	>27	<6	7-12	>12	>39	32-38	0-31	N	Not provided	Y	-
Berry (2015)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	≥27	0-8	9-13	≥14	≥37	31-36	0-30	Y	For EE only	Y	-
Brollier (1987)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	SDs not provided for mean scores
Brown (1992)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	≤13	14-20	≥21	≤4	5-7	≥8	≥34	33-29	≤28	N	Not provided	Y	-
Brown (2018)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<17	17-20	>21	<7	7-8	>8	>32	28-32	<28	N	Not provided	N	SDs not provided for mean scores
Bruce (2022)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<16	17-26	>27	<6	7-12	≥13	≥38	33-37	<32	Y	-	Y	-
Brushchini (2018)	MBI-HSS (Italian)	22	9	5	8	6-point likert scale (1-6)	Summing score from all items in each domain	0-13	14-22	>22	0-2	3-5	>5	>38	33-38	0-32	N	Not provided	N	Not provided
Carmona-Barrientos (2020)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	> 27	<6	7-12	>12	>39	32-38	0-31	Y	-	Y	-
Corrado (2019)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	≤13	14-22	≥23	≤2	3-5	≥6	≥39	32-38	≤31	N	Not provided	Y	-
De Medeiros (2022)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	≥26	NR	NR	≥9	NR	NR	≤33	N	Different cut-points used	N	Not provided
Donohue (1993)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	> 27	<6	7-12	>12	>39	32-38	0-31	Y	-	Y	-
Escudero-Escudero (2020)	MBI-GS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-26	NR	>26	0-9	NR	>9	>33	NR	0-33	N	Different cut-points used	N	Not provided

Ferguson (2023)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	≥27	0-8	9-13	≥14	≥37	31-36	0-30	Y	For EE and PA only	Y	-
Fischer (2013)	MBI-HSS (German)	22	9	5	8	6-point likert scale (1-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Different scoring system used (6-point likert)	N	Different scoring system used (6-point likert)
Grande-Alonso (2023)	MBI-HSS	22	9	5	8	NR	Summing score from all items in each domain	0-18	19-26	27-54	0-5	6-9	10-33	40-56	34-39	0-33	N	Not provided	N	Means, SDs not provided; item scoring unclear
Gupta (2021)	MBI-GS	16	5	5	6	7-point likert scale (0-6)	Summing scores then dividing by number of items in each domain	0-2	2.01-3.19	>3.2	0-1	1.01-2.19	>2.2	> 5	4.01-4.99	0-4	N	Different cut-points used	N	Different version of tool used (16-item version)
Jahrami (2009)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Janus (2018)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-18	19-36	37-54	0-10	11-20	21-30	33-48	17-32	0-16	N	Not provided	Y	-
Juy (2023)	MBI-GS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	≥25	NR	NR	≥9	≤35	NR	NR	N	Different cut points used	Y	-
Kim (2020)	MBI-HSS	22	9	5	8	5-point likert scale (1-5)	Summing scores then dividing by number of items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	Different scoring system used (5-point likert scales)
Lee (2021)	MBI-HSS	22	9	5	8	5-point likert scale (1-5)	Summing scores then dividing by number of items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	Different scoring system used (5-point likert scales)
Lloyd (2004)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Mandy (2004)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	≤18	19-26	≥27	≤5	6-9	≥10	≥40	34-39	≤33	N	Different cut-points used	N	Numerical error in mean scores (means exceed maximum range of possible scores)
Martinussen (2011)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing scores then dividing by number of items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	Different final score calculations used
Morisawa (2022)	MBI-GS (Japanese)	16	5	5	6	7-point likert scale (0-6)	Summing scores then dividing by	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	Different version of tool used (16-item version)

						number of items in each domain														
Painter (2003)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-	
Pavlakis (2010)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-	
Piedmont (1993)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-	
Pniak (2021)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<16	17-26	>27	<6	7-12	>13	>39	32-38	0-31	N	Not provided	Y	-
Pranger (1993)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Pustulka- Piwnik (2014)	MBI-HSS (Polish)	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Reyes (2018)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Rodriguez- Nogueira 2021	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<16	17-26	≥27	≤8	9-13	≥14	≥37	31-36	≤30	Y	Only for EE	Y	-
Rodriguez- Nogueira 2022a	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<16	17-26	≥27	≤8	9-13	≥14	≥37	31-36	≤30	N	Not provided	Y	-
Rodriguez- Nogueira 2022b	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	≤18	19-26	≥27	<6	6-9	≥10	≥40	34-39	≤33	N	Not provided	Y	-
Rogers (1988)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Roundy (2023)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	≥27	NR	NR	≥10	NR	NR	≤33	Y	For EE only	Y	-
Sadeghi (2023)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Schlenz (1995)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	<17	17-26	>26	<7	7-12	>12	>38	32-38	<32	N	Not provided	Y	-
Scutter (1995)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Cut points not defined	N	Not provided
Shin (2022)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Struwig (2023)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing scores then dividing by number of items in each domain	<16	17-26	>27	<6	7-12	>13	≤31	32-38	>39	Y	For EE and DP only	N	Different final score calculations used

Sturgess (1983)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	N	Not provided	N	SDs not provided for mean scores		
Szwamel (2022)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	>27	0.6	7-12	>13	>39	32-38	0-31	N	Not provided	Y	-
Tan (2004)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Teo (2021)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	>27	NR	NR	>10	NR	NR	<33	N	Not provided	N	Not provided
Toellner (2007)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	> 27	<6	7-12	>12	>39	32-38	0-31	Y	-	N	Not provided
Tragea (2012)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-
Wandling (1997)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	> 27	<6	7-12	>12	>39	32-38	0-31	N	Not provided	Y	-
Williams (2013)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	>27	<6	7-12	>12	>39	32-38	0-31	Y	-	Y	-
Williams (2014)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	0-16	17-26	>27	<6	7-12	>12	>39	32-38	0-31	Y	-	Y	-
Yousaf (2021)	MBI-HSS	22	9	5	8	7-point likert scale (0-6)	Summing score from all items in each domain	NR	NR	NR	NR	NR	NR	NR	NR	NR	N	Not provided	Y	-

MBI = Maslach Burnout Inventory; GS = general survey; HSS = human services survey; EE = emotional exhaustion; DP = depersonalisation; PA = personal accomplishment