

eTable 1. Description and ratings of the 49 papers included in the review.

Rating criteria	Scoring			
Type of study	2: cohort or case control	1: observations without control		
Selection method	2: random or representative sampling	1: Record review or clinic sample	0: non-random or convenience sample	
Main aim to examine PTSD rates	1: yes	0: no		
Study design	1: prospective	0: retrospective		
Control group	1: yes	0: no		
Method of assessing PTSD	3: Clinical interview/assessment	2: self-report on standardised measure	1: self-report on non-standardised measure	
Sample Size	3: > 5000	2: 1000-5000	1: 500-1000	0: < 500
Response rate > 60%	1: yes	0: no or N/A		
Overall quality	Very high: > 11	High: 9-11	Moderate: 6-8	Poor: < 6

N/A: Not applicable.

Ref.	Type of study	Selection method	Aimed to examine PTSD rate	PTSD Measure	N	Response rate >60%	Combat role	Gender	Theatre of operation	Country	Quality rating
Adler et al, 2008 (51)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL Mini	202	No	Combat	Mixed	Iraq	US	5
Allison-Aipa et al, 2010 (52)	Observations without control	Random/ Representative	Yes	Not listed	51078	Yes	Mixed	Mixed	Both	US	8
Bliese et al, 2007 (87)	Observations without control	Non-random/ Convenience	Yes	PCL	509	Yes	Combat	Mixed	Iraq	US	7

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Booth-Kewley et al, 2010 (53)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	1569	Yes	Combat	Mixed	Both	US	7
Boulos and Zamorski, 2011 (54)	Cohort/ Case control/ Population	Random/ Representative	Yes	DSM-IV	1934	Yes	Mixed	Mixed	Afghanistan	Canada	11
Bray et al, 2010 (55)	Observations without control	Random/ Representative	Yes	PCL	28546	Yes	Mixed	Mixed	Both	US	11
Cabrera et al, 2007 (56)	Observations without control	Non-random/ Convenience	Yes	PCL	4529	Yes	Mixed	Male	Iraq	US	9
Castro and McGurk, 2007 (23)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	577	Unknown	Combat	Mixed	Iraq	US	6
Duma et al, 2010 (57)	Observations without control	Random/ Representative	Yes	PC-PTSD	443	Yes	Combat	Mixed	Both	US	7
Eisen et al, 2012 (58)	Observations without control	Non-random/ Convenience	Yes	PCL-M	596	No	Mixed	Mixed	Both	US	7
Engelhard et al, 2007 (59)	Observations without control	Non-random/ Convenience	Yes	PSS	479	Yes	Combat	Mixed	Iraq	Netherlands	7
Engelhard et al, 2011 (60)	Observations without control	Non-random/ Convenience	Yes	PSS	174	Yes	Combat	Male	Afghanistan	Netherlands	7
Fear et al, 2010(10)	Observations without control	Random/ Representative	Yes	PCL	9990	No	Mixed	Mixed	Both	UK	10
Ferrier-Auerbach et al, 2010 (61)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL-M	2677	Yes	Mixed	Mixed	Iraq	US	7
Highfill-McRoy et al, 2010 (62)	Observations without control	Random/ Representative	Yes	ICD-9-CM	91825	Yes	Mixed	Mixed	Both	US	12
Hoge et al, 2004 (5)	Observations without control	Non-random/ Convenience	Yes	PCL	6201	Yes	Combat	Mixed	Iraq	US	9
Hoge et al, 2006 (22)	Observations without control	Random/ Representative	Yes	PC-PTSD	238938*	Yes	Combat	Mixed	Both	US	11
Hoge et al, 2008 (63)	Observations without control	Non-random/ Convenience	No	PCL	2525	No	Combat	Mixed	Iraq	US	6
Jones et al, 2012 (64)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	1431	Yes	Mixed	Mixed	Afghanistan	UK	7
Kim et al, 2010 (65)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	10386	No	Combat	Mixed	Iraq	US	8

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Kline et al, 2010 (66)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	2543	Yes	Mixed	Mixed	Iraq	US	8
Lapierre et al, 2007 (67)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	SPTSS	4089	No	Combat	Mixed	Both	US	6
Luxton et al, 2011 (68)	Cohort/ Case control/ Population	Non-random/ Convenience	No	PC-PTSD	2717	Yes	Combat	Mixed	Iraq	US	6
Maguen et al, 2010 (24)	Cohort/ Case control/ Population	Random/ Representative	No	PC-PTSD	2797	Yes	Both	Mixed	Iraq	US	6
Maguen et al, 2012 (30)	Observations without control	Random/ Representative	Yes	PC-PTSD	7251	Yes	Combat	Mixed	Both	US	11
Marshall et al, 2012 (69)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL-C	963	No	Mixed	Mixed	Iraq	US	6
Martin, 2007 (70)	Observations without control	Random/ Representative	Yes	ICD-9- CM/DD Form 2900	91408	Yes	Mixed	Mixed	Iraq	US	11
Milliken et al, 2007 (45)	Cohort/ Case control/ Population	Random/ Representative	Yes	PC-PTSD	88235	Yes	Combat	Mixed	Iraq	US	10
Mulligan et al, 2010 (71)	Observations without control	Non-random/ Convenience	Yes	PCL-C	611	Yes	Mixed	Mixed	Iraq	UK	8
Mulligan et al, 2012 (72)	Cohort/ Case control/ Population	Random/ Representative	Yes	PCL-C	2443	Yes	Mixed	Mixed	Afghanista n	UK	9
Peterson et al, 2010 (73)	Cohort/ Case control/ Population	Random/ Representative	Yes	PC-PTSD	5367	Yes	Non- Combata nts	Mixed	Iraq	US	10
Phillips et al, 2010 (25)	Cohort/ Case control/ Population	Random/ Representative	Yes	PCL	706	No	Combat	Male	Both	US	8
Pietrzak et al, 2009 (74)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL-M	272	No	Mixed	Mixed	Both	US	4
Polusny et al, 2011(a) (75)	Observations without control	Non-random/ Convenience	Yes	PCL-M	953	No	Combat	Mixed	Iraq	US	6

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Polusny et al, 2011(b) (76)	Observations without control	Non-random/ Convenience	Yes	PCL-M	522	Yes	Combat	Mixed	Iraq	US	8
Riviere et al, 2011 (77)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	4034	Yes	Combat	Mixed	Iraq	US	7
Rona et al, 2006 (78)	Observations without control	Random/ Representative	Yes	PCL	1885	Yes	Mixed	Mixed	Iraq	UK	11
Schell et al, 2008 (43)	Cohort/ Case control/ Population	Random/ Representative	Yes	PCL-M	1965	No	Mixed	Mixed	Both	US	8
Shen et al, 2009 (79)	Observations without control	Non-random/ Convenience	Yes	PC-PTSD	112720	Yes	Non-combat (Navy)	Mixed	Both	US	11
Shen et al, 2010 (80)	Observations without control	Random/ Representative	Yes	ICD-9	678227	Yes	Mixed	Mixed	Both	US	11
Smith et al, 2008 (44)	Observations without control	Random/ Representative	Yes	PCL	50184	No	Mixed	Mixed	Both	US	11
Thomas et al, 2010 (42)	Observations without control	Non-random/ Convenience	Yes	PCL	18305	Yes	Combat	Mixed	Iraq	US	9
Van Zuiden et al, 2012 (81)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	SRIP	526	Yes	Mixed	Male	Afghanistan	Netherlands	8
Vasterling et al, 2010 (82)	Cohort/ Case control/ Population	Random/ Representative	Yes	PCL-C	774	Yes	Combat	Mixed	Iraq	US	11
Warner et al, 2011(a) (83)	Observations without control	Non-random/ Convenience	Yes	PC-PTSD	3502	Yes	Combat	Mixed	Iraq	US	8
Warner et al, 2011 (b) (84)	Observations without control	Random/ Representative	Yes	PCL-M	421	Yes	Combat	Mixed	Iraq	US	6
Wood et al, 2011 (85)	Observations without control	Non-random/ Convenience	No	PCL	1925	Yes	Combat	Mixed	Iraq	US	6
Woodhead et al, 2012 (13)	Observations without control	Random/ Representative	Yes	PCL	4986	No	Mixed	Mixed	Both	UK	8
Wright et al, 2012 (86)	Cohort/ Case control/ Population	Non-random/ Convenience	Yes	PCL	522	Yes	Combat	Mixed	Iraq	US	8