

**Table S1: Data extraction capturing the burden of poor mental health in construction**

Author	Country	Population	Sample (n)	Measurement method	Mental disorder and/or related	Prevalence
Adhikari et al. (2023) <sup>[33]</sup>	Nepal	General construction	n = 402	Depression, Anxiety and Stress Scales, DASS-21 Nepali version	Anxiety symptoms Depression symptoms Stress	19.2 % anxiety symptoms 17.1% depression symptoms 16.4% high stress
Boschman et al. (2013) <sup>[5]</sup>	Netherlands	1. Trade workers (Brick layers) 2. Construction professionals (Supervisors)	1. n = 262 2. n = 310	Whooley Depression Screen Impact Scale Impact of Event Scale, IES	Depression symptoms Psychological distress PTSD symptoms	1. Trade workers (Brick Layers) - 17.6% depression symptoms - 4.7% psychological distress - 10.9% PTSD symptoms 2. Construction professionals (Supervisors) - 19.6% depression symptoms - 6.8% psychological distress - 6.9% PTSD symptoms
Bowen et al. (2014) <sup>[53]</sup>	South Africa	General construction	n = 676	Likert Scale	Stress	33% high stress
Bowers et al. (2018) <sup>[30]</sup>	Australia	General construction	n = 1124	Kessler 10	Psychological distress	32.5% moderate psychological distress (K10 16-21) 21.4% high psychological distress (K10 22-29) 6.3% severe psychological distress (K10 30-50) (Moderate to Severe levels 2x Australian population)
Chapman et al. (2020) <sup>[54]</sup>	Australia	General construction	n = 486	Kessler 10	Psychological distress	22.9% moderate psychological distress (K10 score 16–21) 16.1% psychological distress (K10 score 22+)
Dennerlein et al. (2021) <sup>[28]</sup>	USA	General construction	n = 259	Kessler 6	Psychological distress	32% moderate psychological distress (K6 score 5-12) 7% severe psychological distress (K6 score ≥ 13)
Dong et al. (2015) <sup>[32]</sup>	USA	General construction	n = 1114	ICD-9 diagnosis codes	Depression disorders	11% depression disorder
Dong et al. (2022) <sup>[55]</sup>	USA	General construction (male ≥18 years of age)	n = 12034	Kessler 6 Patient Health Questionnaire , PHQ 9	Psychological distress Suicide ideation	23.8% moderate psychological distress (K6 score 5–12) 5.8% severe psychological distress (K6 score ≥13) 2.5% suicide ideation
Huang et al. (2020) <sup>[36]</sup>	China	General construction	n = 18300	CES-D	Depression symptoms	30% depression symptoms

		(manual labourers)				
Jacobsen et al. (2013) <sup>[6]</sup>	USA	General construction	n = 172	Hopkins Symptoms Checklist, HSCL-25 Kessler 6	Mental distress Psychological distress	15.7% Mental distress (HSCL-25 score $\geq 1.50$ ) 4.7% severe psychological distress (K6 score $\geq 13$ )
Kamardeen & Sunindijo (2017) <sup>[35]</sup>	Australia	General construction	n = 289	Depression, Anxiety and Stress Scales, DASS-21	Anxiety symptoms Depression symptoms Stress	36.4 % anxiety symptoms 32.5% depression symptoms 28.6% high stress
Lim, S et al (2017) <sup>[7]</sup>	Korea	General construction	n = 430	STAI-T CES-D	Anxiety symptoms Depression symptoms	41.6% anxiety symptoms 37.6% depression symptoms
Palaniappan et al. (2022) <sup>[34]</sup>	Singapore	General construction	n = 348	Depression, Anxiety and Stress Scales, DASS-21	Anxiety symptoms Depression symptoms Stress	29% depression symptoms 37% anxiety symptoms 33% high stress
Ross et al. (2022) <sup>[38]</sup>	Australia	General construction (apprentice)	n = 1401	Patient Health Questionnaire , PHQ 9	Suicide ideation	29.4% suicide ideation
Sellenger & Oosthuizen (2017) <sup>[56]</sup>	Australia	General construction (remote workers)	n = 113	Kessler 10	Psychological distress	22.9% moderate psychological distress (K10 16-21) 17.1% high psychological distress (K10 22-29) 8.6% severe psychological distress (K10 30-50)
Tyler et al. (2022) <sup>[37]</sup>	Australia	General construction	n = 1721	Patient Health Questionnaire , PHQ 9	Suicide ideation	7.3% suicide ideation
Wang, C et al. (2017) <sup>[57]</sup>	Malaysia	General construction	n = 201	Medical questionnaire	Anxiety symptoms Depression symptoms	68% anxiety symptoms 72% depression symptoms
Wulsin, L et al. (2014) <sup>[31]</sup>	USA	General construction: 1. General contractors 2. Heavy civil contractors 3. Specialty subcontractors	1. n = 1978 2. n = 1043 3. n = 4408	ICD-9 diagnosis codes	Depression disorders	1. 9.7% depression disorder (GC) 2. 7.5% depression disorder (HCC) 3. 11.7% depression disorder (SSC)
Zhang et al. (2023) <sup>[9]</sup>	China	General construction	n = 336	Depression, Anxiety and Stress Scales, DASS-21	Anxiety symptoms Depression	33.6% anxiety symptoms 36.6% depression symptoms 14.6% high stress

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symptoms  
Stress

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