

### S3 Appendix. Prevalence of depression, anxiety and PTSD at different cut-off scores on the screening tools used

Study	Sample size	Screening tool: Depression	Prevalence; Cut-off score: %	Screening tool: Anxiety	Prevalence; Cut-off score: %	Screening tool: PTSD	Prevalence; Cut-off score: %
Amerio et al.	131	PHQ-9	Moderate ( $\geq 10$ ): 22.9%	N/A	N/A	N/A	N/A
Apisarnthanarak et al.	160	N/A	N/A	GAD-7	Mild ( $\geq 5$ ): 42.5% Moderate ( $\geq 10$ ): 19.4%	N/A	N/A
Badahdah et al.	509	N/A	N/A	GAD-7	Mild ( $\geq 5$ ): 64.6% Moderate ( $\geq 10$ ): 25.9%	N/A	N/A
Cao et al.	102	PHQ-9	Screen positive ( $\geq 10$ ): 6.9%	N/A	N/A	IES-R	Screening positive ( $\geq 26$ ): 2.9%
Chatterjee et al.	152	DASS-21	Mild ( $\geq 10$ ): 34.9% Moderate ( $\geq 14$ ): 24.3%	DASS-21	Mild ( $\geq 8$ ): 39.5% Moderate ( $\geq 10$ ): 31.6%	N/A	N/A
Chen J et al.	902	PHQ-9	Mild ( $\geq 5$ ): 48.7% Moderate ( $\geq 10$ ): 18.3%	GAD-7	Mild ( $\geq 5$ ): 47.0% Moderate ( $\geq 10$ ): 16.6%	N/A	N/A
Chen Y et al.	105	SDS	Mild ( $\geq 53$ ): 29.5% Moderate ( $\geq 63$ ): 8.6%	SAS	Mild ( $\geq 50$ ): 18.1% Moderate ( $\geq 60$ ): 7.6%	N/A	N/A
Chew et al.	906	DASS-21	Mild ( $\geq 9$ ): 10.6% Moderate ( $\geq 14$ ): 5.3%	DASS-21	Mild ( $\geq 7$ ): 15.7% Moderate ( $\geq 10$ ): 8.7%	IES-R	Mild ( $\geq 24$ ): 7.4% Moderate ( $\geq 33$ ): 3.8%
Choudhury et al.	106	PHQ-9	Mild ( $\geq 5$ ): 53.0% Moderate ( $\geq 10$ ): 15.0%	GAD-7	Mild ( $\geq 5$ ): 61.0% Moderate ( $\geq 10$ ): 34.0%	N/A	N/A
Chung et al.	69	PHQ-9	Mild ( $\geq 10$ ): 34.8% Moderate ( $\geq 15$ ): 14.5%	N/A	N/A	N/A	N/A
Consolo et al.	356	N/A	N/A	GAD-7	Mild ( $\geq 5$ ): 57.2% Moderate ( $\geq 10$ ): 23.9%	N/A	N/A
Du et al.	134	BDI-II	Screen positive ( $\geq 14$ ): 12.7%	BAI	Screening positive ( $\geq 8$ ): 20.1%	N/A	N/A
Elbay et al.	442	DASS-21	Mild: 64.7% Moderate: 47.1%	DASS-21	Mild: 51.6% Moderate: 35.2%	N/A	N/A
Evanoff et al.	5,550	DASS-21	Moderate: 15.9%	DASS-21	Moderate: 13.0%	N/A	N/A
Gu et al.	564	SDS	Mild: 37.4% Moderate: 17.0%	SAS	Mild: 30.1% Moderate: 7.3%	N/A	N/A
Guiroy et al.	204	PHQ-9	Moderate ( $\geq 10$ ): 22.1%	N/A	N/A	N/A	N/A
Guo et al.	11,118	SDS	Mild ( $\geq 50$ ): 31.5% Moderate ( $\geq 60$ ): 13.5%	SAS	Mild ( $\geq 50$ ): 17.5% Moderate ( $\geq 60$ ): 5.0%	N/A	N/A
Gupta et al.	123	PHQ-9	Screen positive ( $\geq 5$ ): 42.6%	GAD-7	Moderate ( $\geq 10$ ): 11.3%	N/A	N/A
Huang JZ et al.	230	N/A	N/A	SAS	Mild ( $\geq 50$ ): 23.0% Moderate ( $\geq 60$ ): 7.0%	PTSD-SS	Screening positive ( $\geq 50$ ): 27.4%

Study	Sample size	Screening tool: Depression	Prevalence; Cut-off score: %	Screening tool: Anxiety	Prevalence; Cut-off score: %	Screening tool: PTSD	Prevalence; Cut-off score: %
Huang Y et al.	2,250	CES-D	Screen positive (≥28): 19.8%	GAD-7	Screen positive (≥9): 35.6%	N/A	N/A
Kounou et al.	62	PHQ-9	Mild (≥ 5): 51.6% Moderate (≥ 10): 27.4%	GAD-7	Mild (≥ 5): 62.9% Moderate (≥ 10): 37.1%	N/A	N/A
Lai et al.	1,257	PHQ-9	Mild (≥5): 50.4% Moderate (≥10): 14.8%	GAD-7	Mild (≥5): 44.6% Moderate (≥10): 12.3%	N/A	N/A
Lam et al.	932	PHQ-9	Screen positive (≥9): 24.4%	N/A	N/A	N/A	N/A
Li G et al.	4,369	PHQ-9	Screen positive (≥10): 14.2%	GAD-7	Screen positive (≥8): 25.2%	IES-R	Screen positive (≥33): 31.6%
Li J et al.	6,317	PHQ-9	Moderate (≥10): 21.3%	GAD-7	Moderate (≥10): 19.0%	N/A	N/A
Li RL et al.	66	N/A	N/A	HAMA	Screen positive (≥14): 77.3%	N/A	N/A
Li Z et al.	130	DASS-21	Screen positive (≥10): 26.2%	DASS-21	Screen positive (≥8): 77.7%	N/A	N/A
Liu S et al.	6,588	PHQ-9	Moderate (≥10): 57.6%	N/A	N/A	N/A	N/A
Liu X et al.	258	PHQ-4	Screen positive (≥3): 20.9%	PHQ-4	Screen positive (≥3): 19.8%	N/A	N/A
Liu Y et al.	1,315	PHQ-9	Moderate (≥10): 12.5%	GAD-7	Mild (≥5): 38.7% Moderate (≥10): 10.7%	N/A	N/A
Liu Z et al.	4,679	SDS	Mild (≥50): 34.6% Moderate (≥60): 19.7%	SAS	Mild (≥50): 16.0% Moderate (≥60): 5.2%	N/A	N/A
Lu et al.	2,042	HAMD	Mild (≥7): 12.1%	HAMA	Mild (≥7): 25.5%	N/A	N/A
Lv et al.	8,028	N/A	N/A	GAD-7	Screen positive: 34.7%	N/A	N/A
Naser et al.	1,163	PHQ-9	Mild (≥5): 78.1% Moderate (≥10): 44.8%	GAD-7	Mild (≥5): 70.8% Moderate (≥10): 32.8%	N/A	N/A
Ni et al.	214	PHQ-2	Screen positive (≥3): 19.2%	GAD-2	Screen positive (≥3): 22.0%	N/A	N/A
Pouralizadeh et al.	441	PHQ-9	Mild (≥5): 71.0% Moderate (≥10): 37.4%	GAD-7	Mild (≥5): 73.5% Moderate (≥10): 38.8%	N/A	N/A
Qi et al.	400	SDS	Mild (≥50): 98.0% Moderate (≥60): 26.0%	SAS	Mild (≥50): 31.0% Moderate (≥60): 7.0%	N/A	N/A
Que et al.	2,285	PHQ-9	Mild (≥5): 55.6% Moderate (≥10): 12.8%	GAD-7	Mild (≥5): 46.0% Moderate (≥10): 11.6%	N/A	N/A
Rossi et al.	1,379	PHQ-9	Screen positive (≥15): 24.7%	GAD-7	Screening positive (≥15): 19.8%	GPS-PTSD	Screening positive: 49.5%
Salman et al.	398	PHQ-9	Mild (≥5): 63.8% Moderate (≥10): 21.9%	GAD-7	Moderate (≥10): 21.4%	N/A	N/A
Shechter et al.	657	PHQ-2	Screen positive (≥3): 48.0%	GAD-2	Screen positive (≥3): 33.0%	N/A	N/A
Si et al.	863	DASS-21	Mild: 13.6% Moderate: 6.0%	DASS-21	Mild: 13.9% Moderate: 10.9%	IES-6	Screening positive: 40.2%

Study	Sample size	Screening tool: Depression	Prevalence; Cut-off score: %	Screening tool: Anxiety	Prevalence; Cut-off score: %	Screening tool: PTSD	Prevalence; Cut-off score: %
Song et al.	14,825	CES-D	Screen positive ( $\geq 16$ ): 25.2%	N/A	N/A	PCL-5	Screening positive ( $\geq 33$ ): 9.1%
Sun et al.	121	PHQ-9	Mild ( $\geq 5$ ): 43.0% Moderate ( $\geq 10$ ): 13.2%	GAD-7	Mild ( $\geq 5$ ): 58.7% Moderate ( $\geq 10$ ): 9.1%	N/A	N/A
Sung et al.	1,795	CES-D-10	Screen positive ( $\geq 10$ ): 45.5%	STAI-6	Mild ( $\geq 37$ ): 100% Moderate ( $\geq 44$ ): 89.7%	N/A	N/A
Taghizadeh et al.	487	HADS	Mild ( $\geq 8$ ): 48.3% Moderate ( $\geq 11$ ): 24.8%	HADS	Mild ( $\geq 8$ ): 62.8% Moderate ( $\geq 11$ ): 34.3%	N/A	N/A
Tang et al.	44	SDS	Mild ( $\geq 50$ ): 45.5% Moderate ( $\geq 60$ ): 18.2%	SAS	Mild ( $\geq 50$ ): 31.8% Moderate ( $\geq 60$ ): 9.1%	N/A	N/A
Temsah et al.	582	N/A	N/A	GAD-7	Mild ( $\geq 5$ ): 31.8% Moderate ( $\geq 10$ ): 11.0%	N/A	N/A
Tu et al.	100	PHQ-9	Mild ( $\geq 4$ ): 46.0% Moderate: 10.0%	GAD-7	Mild ( $\geq 4$ ): 40.0% Moderate: 7.0%	N/A	N/A
Wang Q et al.	342	HADS	Mild ( $\geq 8$ ): 26.6% Moderate ( $\geq 11$ ): 10.5%	HADS	Mild ( $\geq 8$ ): 28.1% Moderate ( $\geq 11$ ): 11.7%	N/A	N/A
Wang YX et al.	202	N/A	N/A	N/A	N/A	PCL-C	Screening positive ( $\geq 38$ ): 16.8%
Weilenmann et al.	1,410	PHQ-9	Moderate ( $\geq 10$ ): 20.7%	GAD-7	Moderate ( $\geq 10$ ): 25.9%	N/A	N/A
Xiao et al.	958	HADS	Mild ( $\geq 8$ ): 57.3%	HADS	Mild ( $\geq 8$ ): 54.1%	N/A	N/A
Xie et al.	394	N/A	N/A	SAS	Mild ( $\geq 50$ ): 35.0% Moderate ( $\geq 60$ ): 15.0%	N/A	N/A
Yao et al.	95	PHQ-9	Mild ( $\geq 5$ ): 47.4% Moderate ( $\geq 10$ ): 20.0%	GAD-7	Mild ( $\geq 5$ ): 50.5% Moderate ( $\geq 14$ ): 14.7%	N/A	N/A
Ye et al.	2,140	N/A	N/A	GAD-7	Mild ( $\geq 5$ ): 43.6% Moderate ( $\geq 10$ ): 12.0%	N/A	N/A
Yin et al.	1,266	AFS	Mild ( $\geq 5$ ): 27.5% Moderate ( $\geq 11$ ): 10.2%	AFS	Mild ( $\geq 7$ ): 26.3% Moderate ( $\geq 12$ ): 11.7%	N/A	N/A
Zhang C et al.	1,563	PHQ-9	Mild ( $\geq 5$ ): 50.6% Moderate ( $\geq 10$ ): 17.2%	GAD-7	Mild ( $\geq 5$ ): 44.7% Moderate ( $\geq 10$ ): 12.9%	IES-R	Mild ( $\geq 9$ ): 73.4% Moderate ( $\geq 26$ ): 37.4%
Zhang S et al.	304	PHQ-4	Screen positive ( $\geq 3$ ): 20.6%	PHQ-4	Screen positive ( $\geq 3$ ): 28.0%	N/A	N/A
Zhang WR et al.	927	PHQ-2	Screen positive ( $\geq 3$ ): 12.2%	GAD-2	Screen positive ( $\geq 3$ ): 13.0%	N/A	N/A

Study	Sample size	Screening tool: Depression	Prevalence; Cut-off score: %	Screening tool: Anxiety	Prevalence; Cut-off score: %	Screening tool: PTSD	Prevalence; Cut-off score: %
Zhao YJ et al.	209	PHQ-9	Mild ( $\geq 5$ ): 34.4% Moderate ( $\geq 10$ ): 10.5%	GAD-7	Mild ( $\geq 5$ ): 37.3% Moderate ( $\geq 10$ ): 12.0%	N/A	N/A
Zhao YP et al.	380	PHQ-9	Mild ( $\geq 5$ ): 64.5% Moderate ( $\geq 10$ ): 21.1%	GAD-7	Mild ( $\geq 5$ ): 51.3% Moderate ( $\geq 10$ ): 9.5%	N/A	N/A
Zhou et al.	210	PHQ-9	Mild ( $\geq 5$ ): 72.0% Moderate ( $\geq 10$ ): 49.6%	GAD-7	Mild ( $\geq 5$ ): 91.0% Moderate ( $\geq 10$ ): 76.6%	N/A	N/A
Zhu JR et al.	165	SDS	Screen positive ( $\geq 50$ ): 44.2%	SAS	Screen positive ( $\geq 50$ ): 20.0%	N/A	N/A
Zhu S et al.	858	PHQ-9	Screen positive ( $\geq 5$ ): 19.2%	GAD-7	Screen positive ( $\geq 5$ ): 18.0%	N/A	N/A

Abbreviation: AFS = Air Force Military Medical University Scale; BAI = Beck Anxiety Inventory; BDI = Beck Depression Inventory; CES-D = Center for Epidemiologic Studies Depression Scale; DASS = Depression Anxiety Stress Scales; GAD = Generalised Anxiety Disorder Assessment; GPS-PTSD = Global Psychotrauma Screen; HADS = Hospital Anxiety and Depression Scale; HAMA = Hamilton Anxiety Rating Scale; IES-R = Impact of Events Scale – Revised; PCL = PTSD Checklist; PCL-C = PTSD Checklist – Civilian Version; PHQ = Patient Health Questionnaire; PTSD-SS = Post-Traumatic Stress Disorder Self-Rating Scale; SAS = Zung’s Self-Rating Anxiety Scale; SDS = Zung’s Self-Rating Depression Scale; STAI = State Trait Anxiety Inventory

Screen positive = Proportion of participants scoring at or above the cut-off defined by the author to indicate clinically relevant depression, anxiety or PTSD