

Table S1: Summary of included studies ¹⁻¹¹⁸

1 st autor	Country	Region	Language	Population	Age (yr)	Sex	Study	Questionnaire	Suicide time	Effect size	Adjustment	Sample size	Total	Quality
Aboagy 2022	Brazil	Africa	English	General	10-19	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	19,119	7	High
Adeyemo 2019	Nigeria	Africa	English	HIV	13.88	Both	Cross-sectional	OSSS	Past month	Odds Ratio	Unadjusted	201	5	Low
Agyemang 2022	USA	America	English	General	12-19	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	19,067	7	High
Ahouanse 2022	China	SEA	English	General	13.46	Both	Cross-sectional	CASSS	Past month	Odds Ratio	Adjusted	4,732	7	High
Aizpurua 2022	Spain	Europe	English	Students	18-23	Both	Cross-sectional	DSSS	Past year	Odds Ratio	Unadjusted	636	5	Low
Akbari 2015	Iran	EM	English	General	25.15	Both	Case-control	MSPSS	Past month	Odds Ratio	Adjusted	600	6	Low
Almeida 2012	Australia	SEA	English	General	60-101	Both	Cross-sectional	DSSI	Past month	Odds Ratio	Adjusted	21,290	7	High
Amare 2018	Ethiopia	Africa	English	Students	17.52	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Adjusted	573	7	High
Amiya 2014	Nepal	SEA	English	HIV	20-60	Both	Case-control	Others	Past month	Odds Ratio	Adjusted	322	7	High
Angst 2014	Switzerland	Europe	English	General	20.14	Female	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	299	7	High
Appelqvist~ 2011	Finland	Europe	English	General	20	Male	Cross-sectional	Others	Life time	Odds Ratio	Unadjusted	356	5	Low
Araya 2020	Ethiopia	Africa	English	Cancer	18-48	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Adjusted	297	6	Low
Arria 2009	USA	America	English	Students	17-19	Both	Cohort	SSAS	Past month	Odds Ratio	Adjusted	1,249	7	High
Awata 2005	Japan	SEA	English	General	76.04	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	1,145	7	High
Babiss 2009	USA	America	English	Students	11-21	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	18,922	7	High
Basha 2021	Ethiopia	Africa	English	Mental	31.82	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Adjusted	337	7	High
Belete 2021	Ethiopia	Africa	English	General	25.54	Female	Cross-sectional	OSSS	Past year	Odds Ratio	Adjusted	762	7	High
Bi 2021	China	SEA	English	HIV	18+	Both	Cross-sectional	SSRS	Others	Odds Ratio	Unadjusted	557	5	Low
Bitew 2016	Ethiopia	Africa	English	HIV	37	Both	Cross-sectional	OSSS	Others	Odds Ratio	Adjusted	393	7	High
Boyd 2022	USA	America	English	Students	16	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	4,232	7	High
Bush 2020	USA	America	English	General	14-18	Both	Cross-sectional	SSQ	Past year	Odds Ratio	Adjusted	8,505	7	High
Caravaca~ 2021	Spain	Europe	English	Inmates	37.27	Male	Cross-sectional	MOS-SSS	Others	Odds Ratio	Adjusted	943	7	High
Casey 2006	Europe	Europe	English	General	18-64	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Unadjusted	12,000	5	Low
Chang 2021	USA	America	English	LGBQ	28.04	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	231	7	High
Chen 2006	Hong Kong	SEA	English	General	38.7	Both	Case-control	Others	Life time	Odds Ratio	Adjusted	300	8	High
Chen 2022a	Taiwan	SEA	English	Students	9.97	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	645	7	High
Chen 2022b	China	SEA	English	General	74.2	Both	Case-control	DSSI	Life time	Odds Ratio	Adjusted	484	8	High
Cheung 2006	Hong Kong	SEA	English	General	36.78	Both	Cross-sectional	MSPSS	Past year	Odds Ratio	Adjusted	2,219	7	High
Choi 2018	Korea	SEA	English	Mental	40	Both	Cross-sectional	SSS	Past month	Odds Ratio	Adjusted	216	7	High
Compton 2005	USA	America	English	General	18-64	Both	Case-control	Others	Past month	Odds Ratio	Adjusted	200	7	High
Da Silva 2023	Brazil	America	English	Students	14-20	Both	Cross-sectional	Unknown	Past month	Odds Ratio	Adjusted	718	7	High
De Luca 2012	USA	America	English	General	15	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	1,618	7	High
Dempsey 2021	USA	America	English	Veteran		Both	Case-control	CIDI-SC	Life time	Odds Ratio	Adjusted	297	7	High
Dong 2021	USA	America	English	Migrants	19-84	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	3,157	7	High
Easton 2013	USA	America	English	General	11-18	Male	Cross-sectional	Others	Past year	Odds Ratio	Unadjusted	487	5	Low
Eisenberg 2007	USA	America	English	Students	11-14	Both	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	83,731	7	High
Flores 2022	USA	America	English	Students		Both	Cross-sectional	Unknown	Life time	Odds Ratio	Adjusted	27,000	7	High
Forster 2020	USA	America	English	Students	15.58	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	73,648	7	High

Fresan 2019	Mexico	America	English	General	43.7	Both	Cross-sectional	SSQ	Life time	Odds Ratio	Adjusted	288	7	High
Ge 2017	China	SEA	English	General	60+	Both	Cross-sectional	SSRS	Life time	Odds Ratio	Adjusted	3,313	7	High
Golshiri 2017	Iran	EM	English	General	26.1	Both	Case-control	MSPSS	Past month	Odds Ratio	Adjusted	350	7	High
Grove 2022	USA	America	English	SUD	32.83	Both	Cross-sectional	Others	Others	Odds Ratio	Adjusted	5,098	7	High
Handley 2012	Australia	SEA	English	General	56.5	Both	Cohort	Others	Past month	Odds Ratio	Adjusted	1,356	8	High
Handley 2013	Australia	SEA	English	General	56.9	Both	Cross-sectional	ISSI	Past month	Odds Ratio	Unadjusted	2,135	5	Low
Herzog 2021	USA	America	English	Veteran	61.65	Both	Cohort	Unknown	Past year	Odds Ratio	Adjusted	2,291	9	High
Houle 2005	Canada	Europe	French	General	20-59	Male	Case-control	SPS	Past month	Odds Ratio	Unadjusted	80	5	Low
Jakupcak 2010	USA	America	English	Veteran	32.4	Both	Cross-sectional	Others	Past month	Odds Ratio	Unadjusted	431	5	Low
Joo 2016	Korea	SEA	English	General		Both	Cross-sectional	LSNS	Past year	Odds Ratio	Adjusted	543	7	High
Kang 2014	Korea	SEA	English	General	72.2	Both	Cohort	Others	Life time	Odds Ratio	Adjusted	1,204	7	High
Kang 2017	Korea	SEA	English	Students	10-13	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	3,007	7	High
Kaslow 2000	USA	America	English	General	30.8	Female	Case-control	PSSS	Past month	Odds Ratio	Adjusted	285	7	High
Kaslow 2005	USA	America	English	General	32.8	Both	Cross-sectional	Others	Life time	Odds Ratio	Unadjusted	200	5	Low
Kim 2014	Korea	SEA	English	General	72.8	Both	Cohort	Others	Life time	Odds Ratio	Adjusted	732	7	High
Kim 2021	USA	America	English	Migrants	18-95	Both	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	1,637	7	High
Kizilkurt 2019	Turkey	EM	English	Mental	40.9	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	100	7	High
Kleiman 2013	USA	America	English	General	46.35	Both	Cross-sectional	Others	Life time	Odds Ratio	Unadjusted	7,461	5	Low
Lee 2019	Korea	SEA	English	General	27.6	Both	Cross-sectional	MSPSS	Past month	Odds Ratio	Adjusted	451	7	High
Li 2021	Bangladesh	SEA	English	General	23.17	Female	Cross-sectional	PSSS	Past year	Odds Ratio	Unadjusted	940	5	Low
Lin 2020	China	SEA	English	Mental	18-55	Both	Cross-sectional	SSRS	Past year	Odds Ratio	Adjusted	1,084	7	High
Liu 2018	China	SEA	English	General	60.86	Both	Case-control	SSRS	Life time	Odds Ratio	Adjusted	380	8	High
Lu 2019	Taiwan	SEA	English	HIV	31.8	Both	Cohort	MSPSS	Past month	Odds Ratio	Adjusted	113	7	High
Lytle 2018	USA	America	English	LGBQ	18.69	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	405	7	High
Macalli 2018	France	Europe	English	General	20	Both	Cross-sectional	PPS	Past year	Odds Ratio	Adjusted	10,015	7	High
Manning 2021	USA	America	English	Mental	70.03	Both	Cross-sectional	Others	Past month	Odds Ratio	Unadjusted	248	5	Low
Mateo~ 2019	Spain	Europe	English	General	25-74	Both	Cross-sectional	DSSS	Life time	Odds Ratio	Unadjusted	205	5	Low
Mavandadi 2019	USA	America	English	Veteran	51.3	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	15,277	7	High
Meadows 2005	USA	America	English	General	31.55	Female	Case-control	SSBS	Past month	Odds Ratio	Adjusted	200	7	High
Miranda~ 2019	Spain	Europe	English	Students	18-24	Both	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	2,105	7	High
Mitchell 2020	USA	America	English	General	44.69	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	200	6	Low
Mizuno 2019	Japan	SEA	English	General	76.94	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	61,388	7	High
Mostafavi Rad 2012	Iran	EM	English	General	27.05	Both	Case-control	SSS	Past month	Odds Ratio	Unadjusted	75	5	Low
Murphy 1992	USA	America	English	Alcoholic	40.36	Male	Case-control	Unknown	Life time	Odds Ratio	Unadjusted	173	6	Low
Mustanski 2013	USA	America	English	LGBQ	18.76	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	237	7	High
Narita 2023	USA	America	English	General	18-29	Both	Cross-sectional	MSPSS	Past month	Odds Ratio	Adjusted	1,077	7	High
Nestor 2022	USA	America	English	General	16.6	Both	Cross-sectional	Others	Past year	Odds Ratio	Unadjusted	4,500	5	Low
Otsuka 2022	Japan	SEA	English	General	61.8	Both	Cohort	Others	Life time	Hazard Ratio	Adjusted	43,015	9	High
Otten 2022	Germany	Europe	English	General	54.42	Both	Cohort	BSSS	Past month	Odds Ratio	Adjusted	13,290	7	High
Panesar 2021	Canada	America	English	General	45.45	Both	Case-control	SSQ	Past month	Odds Ratio	Adjusted	343	4	Low
Park 2016	Korea	SEA	English	General	73.65	Both	Cross-sectional	Others	Others	Odds Ratio	Adjusted	10,674	7	High
Park 2021	USA	America	English	General	70.18	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	3,114	7	High
Parker 2021	USA	America	English	Students	29.7	Both	Cross-sectional	SSSU	Past month	Odds Ratio	Adjusted	3,239	7	High
Peltzer 2017	Asia	SEA	English	Students	14.1	Both	Cross-sectional	Unknown	Past year	Odds Ratio	Adjusted	30,284	7	High
Pietrzak 2011	USA	America	English	Veteran	29.4	Both	Cross-sectional	USS	Past month	Odds Ratio	Unadjusted	167	5	Low
Pompili 2014	Italy	Europe	English	General	40.97	Both	Case-control	Unknown	Life time	Odds Ratio	Unadjusted	286	5	Low
Poudel~ 2011	Japan	SEA	English	General	53.27	Both	Cohort	Others	Life time	Hazard Ratio	Adjusted	56,537	8	High
Purcell 2012	USA	America	English	Mental	59.7	Both	Cross-sectional	DSSI	Past month	Odds Ratio	Unadjusted	130	5	Low
Randall 2014	Benin	Africa	English	General	11-16	Both	Cross-sectional	Others	Past year	Odds Ratio	Unadjusted	1,690	5	Low

Richie 2021	USA	America	English	Mental	39	Both	Cross-sectional	MSPSS	Past month	Odds Ratio	Adjusted	169	6	Low
Robins 2009	USA	America	English	Students	18-21	Both	Cross-sectional	SSQ	Past year	Odds Ratio	Adjusted	454	7	High
Rugo 2020	USA	America	English	Veteran	31-40	Both	Cross-sectional	DRRI	Past month	Odds Ratio	Adjusted	877	6	Low
Rushing 2013	USA	America	English	Mental	70	Both	Cross-sectional	DSSI	Life time	Odds Ratio	Unadjusted	248	5	Low
Scardera 2020	Canada	America	English	General	19-20	Both	Cohort	SPS	Past year	Odds Ratio	Adjusted	1,174	7	High
Shiraly 2022	Iran	EM	English	General	67.82	Both	Cross-sectional	MSPSS	Past month	Odds Ratio	Adjusted	803	7	High
Smith 2020	USA	America	English	Chronic dis	73.5	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	101	6	Low
Soares 2020	Brazil	America	English	Students	16.65	Both	Cross-sectional	Unknown	Past year	Odds Ratio	Adjusted	16,497	7	High
Springer 2006	El Salvador	America	English	Students	12-19	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	930	7	High
Stoliker 2021	USA	America	English	Inmates	35.64	Both	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	548	6	Low
Tsegay 2021	Ethiopia	Africa	English	General	21.8	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Adjusted	423	7	High
Tseng 2015	Taiwan	SEA	English	Students	12-18	Both	Cross-sectional	MSPSS	Life time	Odds Ratio	Adjusted	391	7	High
Wan 2019	China	SEA	English	Students	15.4	Both	Cross-sectional	ASSS	Past year	Odds Ratio	Adjusted	14,820	7	High
Wan 2022	China	SEA	English	Students	14.97	Both	Cross-sectional	MSPSS	Past year	Odds Ratio	Adjusted	11,831	7	High
Wang 2019	China	SEA	English	General		Both	Cross-sectional	DSSS	Past year	Odds Ratio	Unadjusted	507	5	Low
Wang 2022	USA	America	English	Veteran	34.4	Both	Cross-sectional	DRSS	Past month	Odds Ratio	Adjusted	1,582	7	High
Wiebenga 2021	Netherlands	Europe	English	Mental	18-65	Both	Cohort	Others	Past month	Odds Ratio	Unadjusted	1,576	5	Low
Wilks 2019	USA	America	English	Veteran	37.48	Both	Cross-sectional	SSS	Past month	Odds Ratio	Adjusted	2,467	7	High
Williams 2022	USA	America	English	General	44	Both	Cross-sectional	Others	Past month	Odds Ratio	Adjusted	1,503	7	High
Wonde 2019	Ethiopia	Africa	English	HIV	20.9	Both	Cross-sectional	OSSS	Life time	Odds Ratio	Adjusted	413	7	High
Xiao 2020	China	SEA	English	Mental	13.95	Both	Cross-sectional	Others	Life time	Odds Ratio	Adjusted	2,898	7	High
Xiao 2022	China	SEA	English	Students	13.39	Both	Cross-sectional	CASSS	Past month	Odds Ratio	Adjusted	6,063	7	High
Yoon 2021	Korea	SEA	English	Veteran	18-40+	Both	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	6,377	7	High
Yoshimasu 2006	Japan	SEA	English	Mental	38.43	Female	Cross-sectional	Unknown	Unknown	Odds Ratio	Unadjusted	199	6	Low
You 2011	USA	America	English	General	39	Both	Cross-sectional	INQ	Life time	Odds Ratio	Adjusted	814	7	High
Yu 2021	China	SEA	Chinese	HIV	34	Both	Cross-sectional	PSSS	Past month	Odds Ratio	Adjusted	1,276	7	High
Zhang 2015	China	SEA	English	General	26.24	Both	Case-control	DSSI	Past month	Odds Ratio	Adjusted	808	8	High
Zhang 2016	China	SEA	English	SUD	22-78	Both	Cross-sectional	SSS	Past year	Odds Ratio	Adjusted	648	7	High
Zhang 2018	China	SEA	English	General	77.31	Both	Cross-sectional	MSPSS	Past month	Odds Ratio	Adjusted	205	7	High
Zhou 2019	China	SEA	English	General	26.26	Both	Case-control	DSSI	Past month	Odds Ratio	Adjusted	809	8	High
Zhou 2020	China	SEA	Chinese	Migrants	23.2	Female	Cross-sectional	Others	Past year	Odds Ratio	Adjusted	3,553	7	High

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