

Supplementary Table 1 Risk of bias assessment using cochrane RoB 2.0 tool

Study (Year)			Randomization Process	Deviations from Intended Interventions	Missing Outcome Data	Measurement of the Outcome	Selection of the Reported Result	Overall Risk of Bias
Li Zhi Guo	Low		Low		Low	Some concerns	Low	Low
(2019)								
Hwang	SH	Low	Low		Low	Low	Low	Low
(2022)								
Park	DJ	Low	Low		Low	Some concerns	Low	Low
(2023)								
Katsutoshi	S	Some concerns	Low		Low	Some concerns	Some concerns	Some concerns
(2024)								

Supplementary Table 2 ROBINS-I based risk of bias assessment													
Study (Year)	Study Type		Bias due to Confounding	Bias in Selection of Participants	Bias in Classification of Interventions	Bias due to Deviations from Intended Interventions	Bias due to Missing Data	Bias in Measurement of Outcomes	Bias in Selection of the Reported Result	Overall Risk of Bias			
Dong (2016)	JK	Retrospective	High	High	High	High	Low	Some concerns	Some concerns	High			
Jung (2017)	DH	Retrospective	High	High	High	High	Low	Some concerns	Some concerns	High			
Li Guo (2018)	Zhi	Retrospective	High	High	High	High	Low	Some concerns	Some concerns	High			
Ko (2019)	HJ	Retrospective	High	High	High	High	Low	Some concerns	Some concerns	High			
Ma (2020)	F	PSM	Moderate	Low	Low	Moderate	Low	Some concerns	Some concerns	Moderate			
Ji X (2020)		Retrospective	High	High	High	High	Low	Some concerns	Some concerns	High			

Table 1: Summary of the literature on the effects of the COVID-19 pandemic on the mental health of children and adolescents												
Author (Year)			Study Design		Sample Size (n)		Intervention		Outcome Measures		Significance Level	
Wang (2020)	L	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Sato (2021)	R	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Kimuro (2021)	K	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Eom (2021)	BW	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Ma (2022)	X	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Wang (2024)	ZJ	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Sun (2024)	Y	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Wu (2024)	CY	Retrospective	High		High		High		Low	Some concerns	Some concerns	High
Hasegawa T (2024)		Retrospective	High		High		High		Low	Some concerns	Some concerns	High