Suicide trends in the early months of the COVID-19 pandemic: an interrupted time-series analysis of preliminary data from 21 countries.

By Pirkis, J. John, A., Shin, S., DelPozo-Banos, M., Arya, V., Aguilar, P. et al , 2021



This research offers a cautionary tale of questioning the general expectation that suicide rates have spiked during COVID. The data the authors reviewed found this not to be the case in high income and middle-income countries. Suicide data often lags behind real time and these authors looked at media and real time reports to better assess the number of suicides occurring in 21 countries.



KEY FINDINGS



While there were many initial self-reports of increased depression, anxiety and suicidal thinking, this did not translate into higher suicide rates.



There may have been a protective effect during stay-at-home periods that "we're all in this together" having a beneficial outcome. Likewise, many countries increased resources and relaxed restrictions to access counseling via telehealth.



While these results are positive, caution should be taken now that stay-athome periods are lifting when may see a reduction in counseling access and a delayed response to the cumulative stress and loss many experienced.



	Number of suicides			Rate ratio (95% CI)
	Observed	Expected		
High-income countries	i			
Australia				
New South Wales*	286	354	-	0.81 (0.72-0.91)
Queensland†	237	241	-	0.98 (0.87-1.12)
Victoria†	221	247	-	0.89 (0.78-1.02)
Austria				
Carinthia†	36	30		1.21 (0.87-1.67)
Tyrol†	33	41		0.80 (0.57-1.13)
Vienna*	48	45		1.07 (0.80-1.41)
Canada				
Alberta†	157	197	-	0.80 (0.68-0.93)
British Columbia†	189	250	-	0.76 (0.66-0.87)
Manitoba*	65	80	-	0.81 (0.64-1.03)
Chile†	471	551	-	0.85 (0.78-0.94)
Croatia‡	190	178		1.07 (0.92-1.23)
England, UK				
Thames Valley*	68	77		0.88 (0.69-1.12)
Estonia†	64	77		0.83 (0.65-1.06)



	Number of suicides		Rate ratio (95% C
	Observed	Expected	
Germany			
Cologne and Leverkuser	n* 49	44	1.12 (0.84-1.48)
Frankfurt*	22	32	0.68 (0.45-1.03)
Leipzig*	22	45 —	0.49 (0.32-0.74)
Italy			
Udine and Pordenone†	26	29	0.91 (0.62-1.33)
Japan‡	6504	6947	0.94 (0.91-0.96)
Netherlands†	594	588	1.01 (0.93-1.09)
New Zealand†	190	241	0.79 (0.68-0.91)
Poland‡	1841	1932	0.95 (0.91-1.00)
South Korea‡	4502	4778	0.94 (0.92-0.97)
Spain			
Las Palmas†	36	47	0.77 (0.56-1.07)





