COVID-19 Child & Adolescent Mental Health and Parenting Study

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Methods

Participants

Material

Procedure

Data analysis

We used R (Version 4.0.2; R Core Team, 2020) and the R-packages *corrplot2017* (Wei & Simko, 2017), *corx* (Version 1.0.6.1; Conigrave, 2020), *dplyr* (Version 1.0.0; Wickham, François, Henry, & Müller, 2020), *kableExtra* (Version 1.1.0; Zhu, 2019), *papaja* (Version 0.1.0.9942; Aust & Barth, 2020), *psych* (Version 1.9.12.31; Revelle, 2019), and *tidyselect* (Version 1.1.0; Henry & Wickham, 2020) for all our analyses.

Results

Reproducible table section

Things to do:

N's/stats for the sample used in analysis (i.e., those that completed SDQ1 or PTSD, n parents is 381): Frequencies,% for demographic info - gender of parent and children, country, income, edu, occupation, ethnicity, biological vs other relationship to child stay at home (Y/N), stay at home length, job change COVID total distress and COVID positive - M/SD COVID communication - facts/emotion/self M/SD SDQ change since COVID - M/SD + frequencies based on number of items where more is reported (something to indicate the extent of kids who had worsening problems)

33 # Discussion

References

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Table 1

Descriptive statistics

Demographic measure	Frequency (or Mean)	Percentage (or Stnd. Dev.)
Country		
Australia	133	34.55
U.K.	133	34.55
U.S.A	52	13.51
New Zealand	28	7.27
Other	39	10.13
Age		
Parent Age	38	7.15
Child Age	10	3.61
Parent Gender		
Female	362	94.03
Male	20	5.19
Non-binary/gender-fluid	1	0.26
Other	1	0.26
Missing	1	0.26
Child Gender		
Female	252	51.12
Male	239	48.48
Non-binary/gender-fluid	1	0.20
Other	1	0.20
Missing	0	0.00
Parent Education		
Partial primary school	3	0.78
Completed primary school	3	0.78
Partial high school	20	5.19
Completed high school	37	9.61
TAFE	56	14.55
Partial University	80	20.78

Table 2

Clinical scales - levels of symptoms

Clinical subscale	Frequency (or Mean)	Percentage (or Stnd. Dev.)
Depression		
Normal	155	40.26
Mild	80	20.78
Moderate	86	22.34
Severe	31	8.05
Ex_severe	33	8.57
Anxiety		
Normal	215	55.84
Mild	42	10.91
Moderate	39	10.13
Severe	34	8.83
Ex_severe	55	14.29
Stress		
Normal	175	45.45
Mild	57	14.81
Moderate	79	20.52
Severe	56	14.55
Ex_severe	18	4.68
Emotional Problems		
Ex_severe	18	4.68
Average	262	53.14
S_raised	61	12.37
High	157	31.85
Conduct Problems		
<NA>	13	2.64
Average	305	61.87
S_raised	63	12.78
High	113	22.92

Table 3

Bivariate correlations for key variables and covariates (Pearson's)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. par_age	-													
2. par_gender_num	.10	-												
3. par_ed_ord	.43***	.12*	-											
4. income_famsize	.28***	.15**	.42***	-										
5. DASSDep	-.31***	-.05	-.36***	-.28***	-									
6. DASSAnx	-.36***	-.10*	-.36***	-.26***	.67***	-								
7. DASSStress	-.34***	-.06	-.22***	-.20***	.72***	.70***	-							
8. covid_neg_num	-.21***	-.09	-.18***	-.13*	.52***	.40***	.53***	-						
9. covid_pos_num	.06	.02	.05	-.03	-.21***	-.07	-.15**	-.31***	-					
10. ch_age	.38***	-.07	-.07	-.06	.08	.05	-.11*	.02	.02	-				
11. ch_gender_num	.01	.01	.01	.01	-.02	-.03	.02	-.02	.02	.00	-			
12. SDQemo	-.15**	-.06	-.12**	-.13**	.20***	.21***	.20***	.13**	-.06	.00	-.18***	-		
13. SDQcon	-.23***	-.02	-.25***	-.17***	.20***	.22***	.17***	.16***	-.15**	-.05	.04	.33***	-	
14. SDQhyp	-.27***	-.05	-.15**	-.18***	.12**	.16***	.17***	.18***	-.13**	-.17***	.15**	.28***	.54***	-
15. SDQpeer	-.11*	-.05	-.26***	-.21***	.26***	.28***	.18***	.10*	-.16***	.22***	-.01	.40***	.38***	.28***
16. SDQpro	-.04	-.03	.09	.07	-.01	-.01	.00	-.05	.11*	-.08	-.09*	-.09	-.48***	-.34***
17. SDQemo2	-.12**	.04	-.06	.00	.21***	.28***	.35***	.36***	-.12*	-.10*	-.06	.32***	.14**	.13**

Table 3 continued

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
18. SDQcon2	-.16***	.02	.06	.05	.13**	.10*	.24***	.25***	-.11*	-.21***	.00	.07	.24***	.17***
19. SDQhyp2	-.11*	.02	-.04	-.04	.13**	.13**	.26***	.29***	-.12**	-.14**	.00	.15**	.18***	.28***
20. SDQpeer2	.00	.01	-.02	.02	.12*	.12*	.13**	.15**	-.16***	.00	.03	.02	.12*	.08
21. SDQpro2	.02	-.02	.00	-.05	-.06	.04	-.04	-.06	.09	.09	-.06	-.01	-.24***	-.13**
22. PARQwarmth	-.08	.13**	-.05	-.07	.10*	.09	.09	.08	-.02	.00	.03	.10*	.32***	.23***
23. PARQhostile	.03	.07	.05	.00	.08	.06	.20***	.09	.07	-.11*	.05	.16***	.29***	.20***
24. PARQneglect	.08	.01	.12*	-.01	.06	.05	.15**	.08	-.08	-.04	-.01	.14**	.15**	.15**
25. PARQundiff	.03	.00	.07	.03	.06	.05	.16***	.11*	-.11*	-.05	.03	.19***	.28***	.15**
26. PARQcontrol	-.02	-.02	-.02	.04	.02	.01	.14**	.11*	.00	-.10*	.05	.01	.10*	.10*
27. facts_comm	.11*	-.02	-.01	.00	.08	.09	.02	.00	.07	.25***	.01	.01	-.03	-.13**
28. emotion_comm	-.07	.01	-.06	.02	.09	.11*	.07	.08	.05	-.07	-.10*	.14**	-.02	-.02
29. self_comm	-.27***	-.03	-.26***	-.12**	.35***	.35***	.34***	.31***	-.13**	-.05	-.02	.26***	.24***	.24***

Note. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Not corrected for multiple comparisons. Full variable names: .

Table 4

Means, standard deviations and range for the key measures

Measure of interest	N	Mean	SD	Minimum	Maximum
DASS					
Depression	385	6.19	4.64	0.00	21.00
Anxiety	385	4.40	4.23	0.00	21.00
Stress	385	8.44	4.36	0.00	21.00
FES	384	5.62	1.75	1.00	8.00
PARQ					
Hostile	428	8.15	2.51	6.00	20.00
Warmth	428	9.49	2.17	8.00	23.00
SDQ					
Emotional problems	480	3.49	2.67	0.00	10.00
Hyperactivity	480	4.91	2.80	0.00	10.00
Conduct	481	2.20	2.04	0.00	10.00
Peer problems	481	2.53	2.17	0.00	9.00
PTSD symptoms	474	3.19	3.10	0.00	14.13
Communication					
Fact-focused	482	3.14	1.63	0.00	6.00
Emotion-focused	482	6.73	2.72	0.00	12.00
Self-focused	482	0.65	1.10	0.00	6.00
COVID Impact					
Negative	493	3.03	1.16	0.00	5.00
Positive	493	2.27	1.18	0.00	5.00

Table 5

Bivariate correlations for key variables and covariates (Pearson's)

	1	2	3	4	5	6	7
1. facts	-						
2. information	.47***	-					
3. child emotions	.18***	.34***	-				
4. parent emotions	.21***	.25***	.52***	-			
5. others' feelings	.27***	.35***	.58***	.57***	-		
6. reassurance	.12**	.28***	.67***	.37***	.44***	-	
7. didn't know what to say	-.07	-.03	.04	.01	-.02	.13**	-
8. too upset	-.03	-.03	.07	.07	.00	.06	.46***

Note. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. Not corrected for multiple comparisons.

Full variable names: .