Supplemental material

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Supplementary Table 1: Estimated probabilities over time (by survey) and by state/territory (as a proxy for total length of lockdown) for the three mental health measures (graphed in Figure 1)

A. Poor caregiver mental health (Kessler-6)

	Proportion[a,b]	Risk Difference[a,b]	95% Confidence Interval[a,b]		p-values[a,b]
			Lower	Upper	
Other States + W1 June 2020	0.12				
Other States + W2 Sep 2020	0.17	0.05	-0.01	0.10	0.093
Other States + W3 July 2021	0.13	0.01	-0.02	0.04	0.589
NSW + W1 June 2020	0.19	0.07	0.02	0.12	0.005
NSW + W2 Sep 2020	0.17	0.05	0.01	0.10	0.024
NSW + W3 July 2021	0.23	0.11	0.06	0.15	0.000
VIC + W1 June 2020	0.17	0.05	0.00	0.10	0.033
VIC + W2 Sep 2020	0.25	0.13	0.07	0.18	0.000
VIC + W3 July 2021	0.26	0.14	0.09	0.18	0.000

[a] All estimates are adjusted for caregiver's gender, family structure (sole-caregiving), parent's education, Socio-Economic Indexes for Areas Index of Relative Disadvantage (SEIFA) score, and cultural and linguistic diversity as well as weighted using national demographic distributions for caregiver age, gender, family structure (sole-caregiving, number of children and any under 5 years), state/territory and SEIFA.
[b] Generalised linear model of the binomial family was used for analysis.

B. Perceived negative impacts of the pandemic on caregiver mental health

	Proportion[a, b]	Risk Difference[a, b]	95% Confidence Interval[a, b]		p-values[a, b]
			Lower	Upper	
Other States + W1 June 2020	0.44				
Other States + W2 Sep 2020	0.44	0.00	-0.09	0.08	0.912
Other States + W3 July 2021	0.57	0.12	0.05	0.19	0.000
NSW + W1 June 2020	0.50	0.06	-0.02	0.14	0.132
NSW + W2 Sep 2020	0.49	0.05	-0.03	0.13	0.224
NSW + W3 July 2021	0.61	0.16	0.09	0.23	0.000
VIC + W1 June 2020	0.50	0.06	-0.02	0.14	0.130
VIC + W2 Sep 2020	0.57	0.13	0.05	0.21	0.001
VIC + W3 July 2021	0.67	0.23	0.16	0.30	0.000

[a] All estimates are adjusted for caregiver's gender, family structure (sole-caregiving), parent's education, Socio-Economic Indexes for Areas Index of Relative Disadvantage (SEIFA) score, and cultural and linguistic diversity as well as weighted using national demographic distributions for caregiver age, gender, family structure (sole-caregiving, number of children and any under 5 years), state/territory and SEIFA.
[b] Generalised linear model of the binomial family was used for analysis.

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C. Perceived negative impacts of the pandemic on children's mental health

	Proportion[a, b]	Risk Difference[a, b]	95% Confidence Interval[a, b]		p-values[a, b]
			Lower	Upper	
Other States + W1 June 2020	0.27				
Other States + W2 Sep 2020	0.21	-0.07	-0.13	-0.00	0.046
Other States + W3 July 2021	0.35	0.08	0.02	0.14	0.014
NSW + W1 June 2020	0.27	-0.01	-0.08	0.06	0.826
NSW + W2 Sep 2020	0.35	0.08	0.00	0.15	0.049
NSW + W3 July 2021	0.48	0.21	0.15	0.28	0.000
VIC + W1 June 2020	0.25	-0.02	-0.08	0.04	0.527
VIC + W2 Sep 2020	0.42	0.15	0.07	0.22	0.000
VIC + W3 July 2021	0.51	0.24	0.18	0.30	0.000

[a] All estimates are adjusted for caregiver's gender, family structure (sole-caregiving), parent's education, Socio-Economic Indexes for Areas Index of Relative Disadvantage (SEIFA) score, cultural and linguistic diversity, parent's mental health (Kessler-6) and clustering at the level of family as well as weighted using national demographic distributions for caregiver age, gender, family structure (sole-caregiving, number of children and any under 5 years), state/territory and SEIFA.
[b] Generalised linear model of the binomial family was used for analysis.