

Supplementary Information

Behavioral coping phenotypes and associated psychosocial outcomes of pregnant and postpartum women during the COVID-19 pandemic

Denise M. Werchan¹, Cassandra Hendrix¹, Jennifer C. Ablow³, Ananda B. Amstadter⁴, Autumn C. Austin¹, Vanessa Babineau⁵, G. Anne Bogat⁶, Leigh-Anne Cioffredi⁷, Elisabeth Conradt⁸, Sheila Crowell⁸, Dani Dumitriu⁵, William Fifer⁵, Morgan Firestein⁵, Wei Gao⁹, Ian H. Gotlib¹⁰, Alice Graham¹¹, Kimberly D. Gregory⁹, Hanna C. Gustafsson¹¹, Kathryn L. Havens¹², Brittany R Howell¹³, Kathryn L. Humphreys¹⁴, Lucy S. King¹⁰, Patricia Kinser⁴, Elizabeth E. Krans¹⁵, Carly Lenniger¹, Alytia A. Levendosky⁶, Joseph S. Lonstein⁶, Rachel Marcus⁹, Catherine Monk⁵, Sara Moyer⁴, Maria Muzik¹⁶, Amy K. Nuttall⁶, Alexandra S Potter⁷, Amy Salisbury⁴, Lauren C. Shuffrey⁵, Beth A. Smith¹², Lynne Smith¹⁷, Elinor L. Sullivan¹¹, Judy Zhou¹², Moriah E. Thomason^{1*}, & Natalie H. Brito^{2*}

Denise M Werchan

Email: denise.werchan@nyulangone.org

Table S1. LPA model fits for pregnant and postpartum women.

	BIC		Entropy		Smallest profile (%)		LMR <i>p</i> value	
	<i>Pregnant</i>	<i>Postpartum</i>	<i>Pregnant</i>	<i>Postpartum</i>	<i>Pregnant</i>	<i>Postpartum</i>	<i>Pregnant</i>	<i>Postpartum</i>
2-profile	5521	4142	.90	.90	47%	50%	< .001	< .001
3-profile	5352	3979	.82	.85	7%	7%	< .001	.04
4-profile	5155	3810	.78	.86	12%	8%	< .001	< .001
5-profile	5166	3793	.76	.84	6%	2%	.41	.75

Note. BIC = Bayesian Information Criteria; LMR = Lo-Mendell-Rubin.

Table S2. Mean comparisons of coping strategies between profiles for pregnant women.

	Low-coping (n = 1188)	Passive-coping (n = 960)	Active-coping (n = 349)	High-coping (n = 379)		
	<i>M (SD)</i>	<i>M (SD)</i>	<i>M (SD)</i>	<i>M (SD)</i>	<i>F</i>	η_p^2
Self-Care	.24 (.17) ^b	.20 (.15) ^b	.67 (.15) ^a	.63 (.16) ^a	1298.72	.58
Social Support	.31 (.21) ^b	.33 (.21) ^b	.50 (.23) ^a	.53 (.23) ^a	156.65	.14
Avoiding media/news	.40 (.26) ^b	.30 (.26) ^c	.61 (.30) ^a	.37 (.30) ^b	109.71	.10
Vegging out	.16 (.17) ^b	.80 (.16) ^a	.15 (.17) ^b	.81 (.17) ^a	3706.66	.80
Substance Use	.01 (.09) ^b	.02 (.15) ^a	.01 (.09) ^a	.02 (.14) ^a	3.50	<.01
Healthcare	.11 (.31) ^c	.17 (.11) ^b	.23 (.42) ^b	.31 (.46) ^a	32.07	.03

Differing subscripts within rows indicate significantly different means at $p < .05$, with Tukey's HSD correction.

Table S3. Mean comparisons of coping strategies between profiles for postpartum women.

	Low-coping (n = 595)	Passive-coping (n = 635)	Active-coping (n = 178)	High-coping (n = 128)		
	<i>M (SD)</i>	<i>M (SD)</i>	<i>M (SD)</i>	<i>M (SD)</i>	<i>F</i>	η_p^2
Self-Care	.14 (.12) ^b	.13 (.13) ^b	.59 (.14) ^a	.60 (.14) ^a	1017.26	.67
Social Support	.34 (.21) ^b	.36 (.22) ^b	.47 (.26) ^a	.52 (.25) ^a	30.27	.06
Avoiding media/news	.43 (.29) ^b	.34 (.27) ^c	.52 (.33) ^a	.41 (.34) ^b	22.70	.04
Vegging out	.16 (.17) ^b	.82 (.17) ^a	.16 (.17) ^b	.81 (.17) ^a	2019.52	.80
Substance Use	.14 (.34) ^c	.24 (.43) ^b	.24 (.43) ^b	.41 (.50) ^a	18.81	.04
Healthcare	.14 (.35) ^b	.14 (.35) ^b	.19 (.39) ^b	.26 (.44) ^a	4.53	.01

Differing subscripts within rows indicate significantly different means at $p < .05$, with Tukey's HSD correction.

Table S4. Multinomial logistic regression of predictors of latent profile membership for pregnant women.

	High-coping (vs. low)			Passive-coping (vs. low)			Active-coping (vs. low)		
	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>
Black^a	-0.62	.41	0.54	-0.43*	0.21	0.65	-1.21*	0.55	0.30
Hispanic/Latin^a	-0.46	.32	0.63	-0.32	0.17	0.73	-0.44	0.31	0.65
Asian^a	-0.10	0.26	0.90	-0.10	0.18	0.91	-0.88*	0.42	0.42
Two or more races/other^a	-0.16	0.38	0.85	0.13	0.22	1.14	0.48	0.14	1.61
Maternal age	-0.02	0.02	0.98	-0.02	0.01	0.98	0.03	0.02	1.03
Children	-0.49*	0.22	0.61	-0.07	0.05	0.92	-0.46**	0.13	0.64
Education	0.14*	0.07	1.15	0.004*	0.001	1.004	0.00	0.00	1.00
Income	0.00	0.02	1.01	0.01	0.02	1.01	-0.04	0.03	0.96

^a Race/ethnicity was dummy-coded, with white as the reference category

* $p < .05$

** $p < .01$

Table S5. Multinomial logistic regression of predictors of latent profile membership for postpartum women.

	High-coping (vs. low)			Passive-coping (vs. low)			Active-coping (vs. low)		
	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>	<i>B</i>	<i>SE</i>	<i>Odds ratio</i>
Black ^a	0.18	0.62	1.20	0.85**	0.30	2.33	0.70	0.46	2.01
Hispanic/Latin ^a	-0.63	0.47	0.54	0.11	0.22	1.11	-0.20	0.38	0.82
Asian ^a	-0.40	0.47	0.67	-0.10	0.24	0.90	-0.35	0.45	0.70
Two or more races/other ^a	0.55	0.48	1.73	0.18	0.33	1.20	0.45	0.46	1.56
Maternal age	-0.04	0.03	0.96	-0.04*	0.02	0.96	-0.05	0.03	0.95
Children	-0.22	0.27	0.80	0.02	0.07	1.02	-0.12	0.10	0.89
Education	0.23*	0.10	1.25	0.12*	0.05	1.13	0.23*	0.10	1.26
Income	-0.04	0.03	1.20	0.02	0.02	1.02	0.00	0.03	1.00

^a Race/ethnicity was dummy-coded, with white as the reference category

* $p < .05$

** $p < .01$