

Resilience of the U.S. Gig Economy to COVID-19 Pandemic: Insights from Location Big Data - Online Appendix

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References

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Additional Tables

Table 1: IMPACT OF COVID-19 POLICIES
ON STAY-AT-HOME COUNTS

Stay-at-home Counts by CBG	
T1	0.265*** (0.006)
T2	0.215*** (0.007)
COVID controls	Yes
Other controls	Yes
CBG FE	Yes
Log-Likelihood	-57913.912
Observations	31210

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; \cdot $p < 0.1$

Table 2: IMPACT OF COVID-19 POLICIES ON GIG LABOR COUNTS

	FTFD	PTFD	FTGD	PTGD	FTDR	PTDR
T1	-1.918*** (0.100)	-1.665*** (0.067)	-1.022*** (0.060)	-1.015*** (0.046)	-0.609*** (0.088)	-0.799*** (0.089)
T2	-1.519*** (0.123)	-1.294*** (0.078)	-0.883*** (0.093)	-0.845*** (0.069)	-0.577*** (0.119)	-0.758*** (0.116)
COVID controls	Yes	Yes	Yes	Yes	Yes	Yes
Other Controls	Yes	Yes	Yes	Yes	Yes	Yes
CBG FE	Yes	Yes	Yes	Yes	Yes	Yes
Log-Likelihood	-9144.788	-15487.057	-12100.712	-18674.451	-5540.567	-6414.448
Observations	17247	23291	21854	26771	11615	13599

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; \cdot $p < 0.1$

Table 3: IMPACT OF COVID-19 POLICIES GIG WORK TRANSITIONS

	FTFD	PTFD	FTGD	PTGD	FTDR	PTDR
T1	-3.228*** (0.100)	-2.955*** (0.066)	-1.458*** (0.066)	-1.555*** (0.049)	-0.864*** (0.099)	-1.131*** (0.092)
T2	-3.521*** (0.225)	-3.176*** (0.148)	-1.388*** (0.156)	-1.567*** (0.115)	-0.878*** (0.235)	-1.197*** (0.220)
LagNonGigWorkChoice	-0.665*** (0.080)	-0.645*** (0.061)	-0.783*** (0.075)	-0.778*** (0.059)	-0.807*** (0.157)	-0.908*** (0.143)
LagNonGigWorkChoice x T1	0.968*** (0.184)	1.008*** (0.123)	0.813*** (0.135)	0.776*** (0.102)	0.561* (0.255)	0.870*** (0.233)
LagNonGigWorkChoice x T2	0.437*** (0.102)	0.586*** (0.071)	0.381*** (0.092)	0.349*** (0.069)	0.015 (0.182)	0.353* (0.163)
COVID controls	Yes	Yes	Yes	Yes	Yes	Yes
Other controls	Yes	Yes	Yes	Yes	Yes	Yes
Individual FE	Yes	Yes	Yes	Yes	Yes	Yes
Log Likelihood	-11129.954	-22386.953	-16858.208	-29810.245	-6229.188	-7474.768
Observations	42171	75022	62516	102139	21104	25615

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; $p < 0.1$

Table 4: IMPACT OF COVID-19 POLICIES ON LABOR COUNTS WITH DIFFERENT TREATMENT WEEKS FOR T1

	Labor Counts by CBG			
	T1 = 1 for week > 9	T1 = 1 for week > 13		
T1	-0.468*** (0.014)	-0.439*** (0.019)	-0.779*** (0.031)	-0.723*** (0.034)
T2	-0.064** (0.022)	0.084** (0.027)	-0.443*** (0.033)	-0.299*** (0.034)
WorkTypeNG	0.322*** (0.023)	0.428*** (0.023)	0.332*** (0.023)	0.448*** (0.024)
WorkTypeNG x T1		-0.048* (0.023)		-0.113** (0.035)
WorkTypeNG x T2		-0.241*** (0.024)		-0.258*** (0.024)
COVID controls	Yes	Yes	Yes	Yes
Other controls	Yes	Yes	Yes	Yes
CBG FE	Yes	Yes	Yes	Yes
Log-Likelihood	-64147.551	-64066.236	-64103.943	-64006.572
Observations	61612	61612	61612	61612

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; $p < 0.1$

Table 5: IMPACT OF COVID-19 POLICIES ON LABOR COUNTS WITH DIFFERENT TREATMENT WEEK FOR T2

	Labor Counts by CBG	
T1	−1.047*** (0.028)	−0.966*** (0.030)
T2	−0.883*** (0.027)	−0.720*** (0.028)
WorkTypeNG	0.349*** (0.024)	0.477*** (0.025)
WorkTypeNG x T1		−0.151*** (0.032)
WorkTypeNG x T2		−0.285*** (0.026)
COVID controls	Yes	Yes
Other controls	Yes	Yes
CBG FE	Yes	Yes
Log-Likelihood	−62950.067	−62846.831
Observations	61612	61612

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; $p < 0.1$