

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

June 22, 2021

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	0.216*** (0.007)
COVID controls	Yes
Other controls	Yes
CBG FE	Yes
Log-Likelihood	-57908.209
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)	-1.190*** (0.091)	-1.170*** (0.065)	-0.813*** (0.053)	-0.849*** (0.053)
T2	-1.519*** (0.123)	-1.294*** (0.078)	-1.085*** (0.138)	-1.060*** (0.095)	-0.487*** (0.062)	-0.432*** (0.064)
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	-7036.300	-13062.430	-14010.421	-14400.863
Observations	17247	23291	17694	24149	18335	18783

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

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

	FTFD	PTFD	FTGD	PTGD	FTDR	PTDR
T1	-2.879*** (0.101)	-2.603*** (0.067)	-1.426*** (0.099)	-1.475*** (0.066)	-1.214*** (0.073)	-1.109*** (0.068)
T2	-2.345*** (0.160)	-2.078*** (0.106)	-1.326*** (0.165)	-1.356*** (0.111)	-0.703*** (0.122)	-0.575*** (0.112)
LagNonGig	-0.568*** (0.076)	-0.539*** (0.056)	-0.583*** (0.099)	-0.577*** (0.067)	-0.439*** (0.075)	-0.106 (0.069)
LagNonGig x T1	0.811*** (0.146)	0.831*** (0.099)	0.753*** (0.163)	0.614*** (0.113)	0.182 (0.126)	0.259* (0.114)
LagNonGig x T2	0.341** (0.107)	0.500*** (0.075)	0.128 (0.141)	0.160 (0.095)	0.225* (0.098)	0.144 (0.091)
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	-11000.969	-22169.370	-8761.823	-18639.070	-14132.497	-16622.214
Observations	42171	75022	37374	72499	47425	51939

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

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	-1.002*** (0.028)	-0.996*** (0.035)	-1.002*** (0.028)	-0.996*** (0.035)
T2	-0.791*** (0.029)	-0.654*** (0.029)	-0.791*** (0.029)	-0.654*** (0.029)
WorkTypeNG	0.223*** (0.022)	0.325*** (0.020)	0.223*** (0.022)	0.325*** (0.020)
WorkTypeNG x T1		-0.027 (0.037)		-0.027 (0.037)
WorkTypeNG x T2		-0.257*** (0.024)		-0.257*** (0.024)
COVID controls	Yes	Yes	Yes	Yes
Other controls	Yes	Yes	Yes	Yes
CBG FE	Yes	Yes	Yes	Yes
Log-Likelihood	-63912.964	-63800.588	-63912.964	-63800.588
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	−1.002*** (0.028)	−0.996*** (0.035)
T2	−0.791*** (0.029)	−0.654*** (0.029)
WorkTypeNG	0.223*** (0.022)	0.325*** (0.020)
WorkTypeNG x T1		−0.027 (0.037)
WorkTypeNG x T2		−0.257*** (0.024)
COVID controls	Yes	Yes
Other controls	Yes	Yes
CBG FE	Yes	Yes
Log-Likelihood	−63912.964	−63800.588
Observations	61612	61612

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