### **ONLINE APPENDIX**

## Social Distancing, Stimulus Payments, and Domestic Violence: Evidence from the U.S. during COVID-19

Bilge Erten \* Pinar Keskin <sup>+</sup> Sil

Silvia Prina<sup>‡</sup>

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<sup>\*</sup>Address for Correspondence: Northeastern University and IZA. Department of Economics, 312A Lake Hall, 360 Huntington Avenue, Boston, MA 02115, United States. E-mail: b.erten@northeastern.edu.

<sup>&</sup>lt;sup>+</sup>Wellesley College. Department of Economics, Pendleton East, 106 Central Street, Wellesley, MA 02481. E-mail: pinar.keskin@wellesley.edu.

<sup>&</sup>lt;sup>‡</sup>Northeastern University, Department of Economics, 310A Lake Hall, 360 Huntington Avenue, Boston, MA 02115, United States. E-mail: s.prina@northeastern.edu.

#### Appendix A Additional Figures and Tables



Figure A1: Event Study: Domestic Violence Calls in 2020 relative to 2019

Panel B: Heterogeneity by Race, Ethnicity and Citizenship



*Note:* Panel A plots the estimated coefficients from Eq. 1 for the full sample of 31 cities where the outcome is the number of domestic violence calls at the census tract-by-day level. Panel B plots the estimated from Eq. 1 for census tracts above 75<sup>th</sup> percentile and below 25<sup>th</sup> percentile for the shares of Whites, Blacks, Hispanics, and noncitizens in population. The time period spans the first 37 weeks of 2019 and 2020, ending by the second week of September. The vertical lines for each estimate show 95% confidence intervals. The standard errors are clustered at the city level.

City <sup>a</sup>	First Date	Last Date	SAH Order Date <sup>b</sup>	Reopening Date <sup>c</sup>	Domestic Violence Parsing Terms <sup>d</sup>
Albany, GA	1/1/2019	9/13/2020	4/3/2020	4/24/2020	-
Billings, MT	1/1/2019	9/12/2020	3/28/2020	4/26/2020	-
Cedar Rapids, IA	1/1/2019	9/13/2020	-	-	-
Chandler, AZ	1/1/2019	9/13/2020	4/1/2020	5/8/2020	"Domestic Disturbance/Fight"
Charleston, SC	1/1/2019	9/13/2020	4/8/2020	4/20/2020	"Dom Disturb/Viol" "Family" "Domestic"
Cincinnati, OH	1/1/2014	9/13/2020	3/24/2020	5/1/2020	"Domestic Violence" "Family Trouble"
Columbus, OH	1/1/2019	9/13/2020	3/24/2020	5/1/2020	-
Davenport, IA	1/1/2019	9/13/2020	-	-	-
Dayton, OH	1/1/2019	9/13/2020	3/24/2020	5/1/2020	-
Detroit, MI	9/20/2016	9/13/2020	3/24/2020	5/7/2020	"DV"
El Paso, TX	1/1/2019	9/13/2020	4/2/2020	5/1/2020	-
Gaithersburg, MD	5/1/2017	9/13/2020	3/31/2020	5/15/2020	"Domestic"
Greensboro, NC	1/1/2019	9/13/2020	3/31/2020	5/8/2020	-
Greenville, SC	1/1/2019	9/13/2020	4/8/2020	4/20/2020	-
Indianapolis, IN	1/1/2019	9/13/2020	3/25/2020	5/4/2020	-
Jonesboro, AR	1/1/2019	9/13/2020	-	-	-
Lafayette, LA	1/1/2019	9/13/2020	3/24/2020	5/15/2020	-
Lima, OH	1/1/2019	9/13/2020	3/24/2020	5/1/2020	-
Mesa, AZ	1/1/2017	9/13/2020	4/1/2020	5/8/2020	"Family Fight"
Miami, FL	1/1/2019	9/13/2020	4/3/2020	5/4/2020	-
New Orleans, LA	1/1/2019	9/13/2020	3/24/2020	5/15/2020	"DOMESTIC"
Peoria, IL	1/1/2019	9/13/2020	3/22/2020	5/1/2020	-
Sacramento, CA	1/1/2019	9/13/2020	3/19/2020	5/8/2020	"Domestic" "Disturbance-Family"
Salt Lake City, UT	1/13/2019	9/13/2020	3/30/2020	5/1/2020	"Family" "Domestic"
St. Louis, MO	1/1/2019	9/13/2020	4/6/2020	5/4/2020	-
Terre Haute, IN	1/1/2019	9/13/2020	3/25/2020	5/4/2020	-
Topeka, KS	1/1/2019	9/13/2020	3/30/2020	5/4/2020	-
Tucson, AZ	1/1/2019	9/13/2020	4/1/2020	5/8/2020	"DV" "Family"
Waco, TX	1/1/2019	9/13/2020	4/2/2020	5/1/2020	-
West Palm Beach, FL	1/1/2019	9/13/2020	4/3/2020	5/4/2020	-
Zanesville, OH	1/1/2019	9/13/2020	3/24/2020	5/1/2020	-

TABLE A1: THE LIST OF CITIES, TIME PERIOD, STATE SAH ORDERS AND REOPENING DATES, AND DOMESTIC VIOLENCE TERMS IN PD DATA

<sup>*a*</sup>Chandler, Arizona; Cincinnati, Ohio; Detroit, Michigan; Mesa, Arizona; New Orleans, Louisiana; Sacramento, California; Salt Lake City, Utah; Tucson, Arizona are 8 cities which were part of the Police Data Initiative. Remaining police departments in the initiative either did not provide up-to-date information on incidents at the time this paper was written, report identifiers for domestic violence related calls, or allow us to access address information for matching calls to census-tract information.

<sup>b</sup>The sign "-" in SAH Order Date indicates that the state never introduced SAH orders. The timing of SAH orders at the state level comes from the New York Times Mervosh, Lu and Swales (2020).

<sup>*c*</sup>The reopening dates at the state level were obtained from the GitHub repository made available by Nguyen et al. (2020). (https://github.com/nguyendieuthuy/ReOpeningPlans)

<sup>d</sup> The sign "-" in Domestic Violence Parsing Terms indicates that the data set obtained from the police department contained only domestic violence related calls.

	Cities i	n the PD Data	Rest of t	he Country	
	Mean	S.D.	Mean	S.D.	Normalized Difference
Total Population	4097	2309.6	4493	2316	-0.121
Percent of High School Graduate	26.21	11.169	27.87	11.163	-0.106
Percent of Bachelor Degree or Higher	31.12	21.289	30.61	19.173	0.018
Mean Income	74813	45476	85693	44149	-0.172
Labor Force Participation Rate	63.37	10.756	62.42	10.588	0.063
Female Labor Force Participation Rate	72.67	10.541	71.97	10.299	0.048
Employment/Population Ratio	58.61	11.865	58.49	11.067	0.008
Female Employment/Population Ratio	67.89	11.984	68.12	11.254	-0.014
Number of COVID-19 Cases	30304	39602	28890	57906	0.020
Number of Observations		3,303	7	0,659	

TABLE A2: PRE-PANDEMIC CENSUS TRACT CHARACTERISTICS OF THE CITIES IN THE PD DATA VERSUS THE REST OF THE COUNTRY IN 2019

*Notes:* Observations are at the census tract-by-day level. Given the unequal sample sizes, we follow Imbens and Wooldridge (2009) in our comparison and focus on normalized differences:

$$\Delta_X = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{S_1^2 + S_2^2}},$$

rather than on the t-statistics here, since they are independent of the sample size. Imbens and Wooldridge (2009) suggest using 0.25 as the rule of thumb in these comparisons.

	Full	Above 75%	Below 25%	Above 75%	Below 25%	Above 75%	Below 25%	Above 75%	Below 25%
	Sample	Share White	Share White	Share Black	Share Black	Share Hispanic	Share Hispanic	Share Noncitizen	Share Noncitizen
	(1)	(2)	(3)	(4)	(5)	(9)	(2)	(8)	(6)
March 9 to SAH	0.015***	0.004	0.022***	$0.019^{**}$	0.007	0.032***	0.005	$0.031^{***}$	0.005
	(0.004)	(0.004)	(0.008)	(0.008)	(0.005)	(0.007)	(0.006)	(0.007)	(0.006)
SAH to April 15	$0.015^{***}$	0.009*	$0.014^{*}$	0.010	$0.014^{**}$	0.029***	0.001	0.030***	$0.016^{**}$
	(0.005)	(0.005)	(0.007)	(0.007)	(0.006)	(0.008)	(0.006)	(0.008)	(0.006)
April 15 to reopening	-0.000	-0.001	-0.012	-0.018**	0.008	$0.018^{**}$	-0.015***	0.021***	-0.008
	(0.966)	(0.004)	(0.008)	(0.007)	(0.005)	(0.008)	(0.006)	(0.007)	(0.006)
Reopening	-0.002	-0.005**	-0.002	-0.004	0.002	0.007	0.006*	0.001	$0.012^{***}$
1	(0.005)	(0.002)	(0.005)	(0.005)	(0.003)	(0.005)	(0.003)	(0.004)	(0.003)
Observations	2,064,427	482,260	549,720	583,763	446,188	517,452	594,540	500,100	569,073
Outcome mean	0.23	0.11	0.33	0.33	0.14	0.30	0.21	0.28	0.21
Notes: This table prese	ints the diff	ference-in-differ	tence estimates	trom Ea. 1 f	for census trac	tts above 75 <sup>th</sup> per	centile and below	z5 <sup>th</sup> percentile for	shares of different
demographic groups. 1	The city-int	eracted controls	s include city-b	y-year, city-by	-week, and cit	y-by-day-of-week	fixed effects. Col	umn (1) reports est	imates by shares of
Whites, columns (2)-(3)	report estin	mates by shares	s of Whites, coli	umns (4)-(5) re	sport them for	shares of Blacks,	columns (6)-(7) re	port them for share	s of Hispanics, and
columns (8)-(9) report tl	hem for shé	ares of noncitize	ens. The outco	me is the daily	y number of de	omestic violence s	service calls. Obse	ervations are at the	census tract-by-day
level for 31 cities. The v	'ariables an	d controls are d	lefined in Section	on 2. Standarc	d errors are clu	istered at the city	level. ***, **, and	* denote significanc	e at the 1, 5, and 10

percent levels, respectively.

Table A3: Effects of Social Distancing on Domestic Violence Calls during COVID-19 using a Fully Interacted Model

	Full	Above 75%	Below 25%	Above 75%	Below 25%	Above 75%	Below 25%	Above 75%	Below 25%
	Sample	Share White	Share White	Share Black	Share Black	Share Hispanic	Share Hispanic	Share Noncitizen	Share Boncitizen
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
March 9 to SAH	0.020***	0.008	0.027**	0.023**	0.004	0.032**	0.005	0.034***	0.009
	(0.001)	(0.135)	(0.027)	(0.040)	(0.450)	(0.012)	(0.519)	(0.004)	(0.209)
	[0.011, 0.029]	[-0.001, 0.018]	[0.006, 0.048]	[0.003, 0.041]	[-0.005, 0.014]	[0.017, 0.045]	[-0.008, 0.020]	[0.021, 0.045]	[-0.003, 0.021]
SAH to April 15	0.016** (0.017) [0.005, 0.026]	0.011* 0.071) 0.001, 0.021]	0.010 (0.417) [-0.006, 0.037]	0.007 (0.584) [-0.010, 0.036]	$\begin{array}{c} 0.011^{*} \\ 0.066) \\ [0.001, 0.019] \end{array}$	0.027*** 0.002) 0.012, 0.045]	-0.002 (0.526) [-0.009, 0.005]	0.029** (0.017) [0.008, 0.049]	0.011** (0.035) [0.002, 0.024]
April 15 to reopening	-0.000	0.001	-0.016	-0.021***	0.004	$0.017^{**}$	-0.019*	$0.020^{**}$	-0.011
	(0.966)	(0.877)	(0.110)	(0.004)	(0.510)	(0.012)	(0.073)	(0.013)	(0.144)
	[-0.008, 0.008]	[-0.010, 0.015]	[-0.033, 0.001]	[-0.040, -0.011]	[-0.009, 0.018]	[0.006, 0.028]	[-0.029, -0.003]	[0.010, 0.031]	[-0.0224, 0.00193]
Reopening	-0.003	-0.004	-0.002	-0.004	0.001	0.007	0.006	0.002	0.012
	(0.712)	(0.275)	(0.935)	(0.854)	(0.873)	(0.316)	(0.424)	(0.777)	(0.219)
	[-0.015, 0.008]	[-0.011, 0.003]	[-0.057, 0.027]	[-0.057, 0.024]	[-0.008, 0.011]	[-0.004, 0.017]	[-0.008, 0.016]	[-0.012, 0.014]	[-0.004, 0.024]
Observations	2,064,427	482,260	549,720	583,763	446,188	517,452	594,540	500,100	569,073
Outcome mean	0.23	0.11	0.33	0.33	0.14	0.30	0.21	0.28	0.21
Notes: This table prese	ants the difference	ce-in-difference ε	estimates from E	Iq. 1 for census	tracts above 75 <sup>th</sup>	Percentile and b	elow 25 <sup>th</sup> percenti	ile for shares of diff	erent demographic
groups. Columns (1) ru	ports estimates	for the full sam	ple, columns (2)	-(3) report estim∉	ates by shares of	Whites, columns	(4)-(5) report the	in for shares of Blac	cks, columns (6)-(7)
report them for shares	of Hispanics, an	d columns (8)-(9	) report them fo	r shares of nonci	itizens. The outc	ome is the daily 1	number of domesi	tic violence service	calls. Observations

TABLE A4: EFFECTS OF SOCIAL DISTANCING ON DOMESTIC VIOLENCE CALLS DURING COVID-19 USING WILD BOOTSTRAPPED STANDARD ERRORS

*Notes:* This table presents the difference-in-difference estimates from Eq. 1 Motes. This table presents the difference-in-difference estimates from Eq. 1. Motes and the presents of the full sample, columns (2)-(3) report estimates by shares of Whites, columns (4,7-0, 1,2-0,1) reports estimates for the full sample, columns (2)-(3) report estimates by shares of whites, columns (1) reports estimates for the full sample, columns (2)-(3) report estimates by shares of whites, columns (1, reports estimates for the full sample, columns (2)-(3) report terms (2)-(3) report estimates by shares of the daily number of domestic violence service calls. Ubservauus report them for shares of Hispanics, and columns (8)-(9) report them for shares of noncitizens. The outcome is the daily number of domestic violence service calls. Ubservauus are at the census tract-by-day level for 31 cities. The variables and controls are defined in Section 2. 90% confidence intervals from wild bootstrapped standard errors corrected for are at the census tract-by-day level for 31 cities. The variables and controls are defined in Section 2. 90% confidence intervals from wild bootstrapped standard errors corrected for are at the census tract-by-day level for 31 cities. The variables and controls are defined in Section 2. 90% confidence intervals from wild bootstrapped standard errors corrected for clustering at the city-level are reported in brackets, with the associated p-value in parentheses. \*\*\*, \*\*, and \* denote significance at the 1, 5, and 10 percent levels, respectively.

	Above 75% Share	Below 25% Share	Above 75% Share	Below 25%	Above 75% Share	Below 25% Share
	Income Level	Income Level	Bachelor's Degree	<b>Bachelor's Degree</b>	DV Calls in 2019	DV Calls in 2019
	(1)	(2)	(3)	(4)	(5)	(9)
March 9 to SAH	0.008	0.020	0.004	0.028**	0.048***	0.028***
	(0.007)	(0.012)	(0.008)	(0.012)	(0.014)	(0.007)
SAH to April 15	0.007	0.013	0.006	0.016	$0.040^{**}$	$0.021^{**}$
I	(0.005)	(0.012)	(0.008)	(0.012)	(0.014)	(0.008)
April 15 to reopening	0.000	-0.016	-0.001	-0.005	-0.012	0.001
	(0.005)	(0.00)	(0.006)	(0.012)	(0.011)	(0.006)
Reopening	-0.002	0.001	-0.011*	0.006	-0.014	-0.003
)	(0.004)	(0.015)	(0.006)	(0.012)	(0.019)	(0.00)
Observations	428,623	618,211	466,949	575,018	521,249	1,548,640
Outcome mean	0.09	0.37	0.11	0.33	0.61	0.31

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by domestic violence related police calls in 2019. The outcome is the daily number of domestic violence service calls. Observations are at the census tract-by-day level for 31 cities. The variables and controls are defined in Section 2. Standard errors are clustered at the city level. \*\*\*, \*\*, (1)-(2) report these estimates by income level, columns (3)-(4) report them for completion of bachelor's degree, and columns (5)-(6) report them and \* denote significance at the 1, 5, and 10 percent levels, respectively. -0----distributio

# Appendix B A review of the literature on the effects of COVID-19 on domestic violence

Study	Sample	Main Finding
	Monthly call volumes to a national	<u>48% increase in calls during</u>
Aguero (2021)	DV botling in Port through July	lockdowns, which was uniform
	2020	across domographic characteristics
	2020	across demographic characteristics
Aronas Arroya Formandaz Kranz	Online survey of 12,000 women in	22% increases in DV during the
and Nollonborger (2020)	Spain conducted in late May and	lockdown with oconomic harms
and Nohenberger (2020)	Spant conducted in fate May and	being the primary driver of the
	early June 2020	increases
Acile and Open (2021)	National and local proceedate on	E79/ dealing in famale hamisidas hy
Asik and Ozen (2021)	formale homicides and assoult to	57% decline in temate nonlicides by
	remaie nomicides and assault to	intimate partners during the
	women in Turkey between 2014	period of strict social distancing.
	and July 2020.	T: · 1 . · 1
Beland et al. (2020)	Online survey of 4,600 Canadians	Financial stress increased concerns
	conducted in late March and early	of experiencing DV, but receiving
	April 2020	financial relief did not reduce
		concern levels.
Berniell and Facchini (2021)	Weekly Google search volume of	31% increase in searches about DV
	DV related keywords in the United	after stay-at-home orders were
	States, Europe, and Latin America	implemented.
Bhalotra et al. (2021)	High-frequency administrative	An increase in calls to DV helplines
	data on alternative measures of DV	and increased occupancy of DV
		shelters and a decrease in crime
		reports to police during lockdowns.
Bullinger, Carr and Packham (2021)	911 calls and crime data from	7.5% increase in DV calls for service
	Chicago, Illinois from January to	due to stay at home order, but an
	April 2020	8.2% decrease in police reports and
		27.1% decrease in arrests for DV.
Dai, Xia and Han (2021)	Police calls for service in Hubei	278% increase in DV calls for
	province, China	service during the lockdown,
		which was the strictest lockdown
		implemented anywhere in China.
Hoehn-Velasco, Silverio-Murillo	Police crime reports in Mexico	Up to 35% reduction in DV crime
and Balmori de la Miyar (2021)		reports during the stay-at-home
		order, returning to baseline levels
		after the stay at-home order was
		lifted.
Hsu and Henke (2020)	Police data from 36 US cities from	5% increase in DV from March 13th
	January to May 2020	to May 24th 2020.
Hsu and Henke (2021)	Police data from 28 US cities from	6% increase in DV from March 16th
	January to April 2020	to April 30th 2020
Ivandic, Kirchmaier and Linton	Crime records and calls for service	8.1% and 17.1% increase in DV by
(2021)	for greater London through May	current partners and family
	2020	members, respectively, but 11.4%
		decline by ex-partners over the
		lockdown period.
Leslie and Wilson (2020)	Police calls for service from 14 US	7.5% increase in DV calls during
	cities through May 2020	March through May 2020.

Miller, Segal and Spencer (2020)	911 calls, DV hotline calls, and	During lockdown, 911 and DV
	crime data in Los Angeles,	hotline calls increased but DV
	California through August 2020	crime incident reports and arrests
		decreased. During re-opening all 4
		fell.
Miller, Segal and Spencer (2021)	Police calls for service and assault	10% reduction in DV assaults but
	crime data from 18 police	7.9% increase in DV calls for
	departments through May 2020	service during the shutdown.
Payne and Morgan (2020)	Violent crime rates in Queensland,	Rates of DV in March 2020 were
	Australia through March 2020	statistically identical to expected
		values based on ARIMA model
		estimates.
Piquero et al. (2020)	DV incident reports in Dallas,	DV incidents increased for 2 weeks
	Texas from January to April 2020	after the stay-at-home order, but
		that trend started before the
		stay-at-home order.
Ravindran and Shah (2020)	DV complaints received by the	0.47 SD (131%) increase in DV
	Indian National Commission for	complaints in districts with the
	Women through May 2020	strictest lockdowns.
Sanga and McCrary (2020)	Police calls for service from 14	12% increase in DV calls that
	cities through April 2020	subsided by late April. The largest
		increases occurred in houses with
		no history of DV.
Silverio-Murillo, Balmori de la	DV hotline calls and police reports	30% increase in DV hotline calls but
Miyar and Hoehn-Velasco (2020)	from Mexico City, Mexico through	27% decrease in official police
	August 2020	reports of DV.

#### References

Agüero, Jorge M. 2021. "COVID-19 and the rise of intimate partner violence." World Development, 137: 105217.

- Arenas Arroyo, Esther, Daniel Fernandez-Kranz, and Natalia Nollenberger. 2020. "Intimate Partner Violence under Forced Cohabitation and Economic Stress: Evidence from the COVID-19 Pandemic." *Journal of Public Economics*, 104350.
- Asik, Gunes A, and Efsan Nas Ozen. 2021. "It takes a curfew: The effect of COVID-19 on female homicides." *Economics Letters*, 200: 109761.
- Berniell, Inés, and Gabriel Facchini. 2021. "COVID-19 Lockdown and DomesticViolence: Evidence from InternetSearch Behavior in 11 Countries." *European Economic Review*, 136(4).
- Bhalotra, Sonia, Damian Clark, Emilia Brito, Pilar Larroulet, and Francisco Pino. 2021. "Dynamic Impacts of Lockdown on Domestic Violence: Evidence from Multiple Policy Shifts in Chile." *Working Paper*.
- Bullinger, Lindsey, Jillian Carr, and Analisa Packham. 2021. "Covid-19 and Crime: Effects of Stay-at-Home Orders on Domestic Violence." *American Journal of Health Economics*, 7(w27667).
- **Béland, Louis-Philippe, Abel Brodeur, Joanne Haddad, and Derek Mikola.** 2020. "Covid-19, Family Stress and Domestic Violence: Remote Work, Isolation and Bargaining Power." *IZA Discussion Paper*, , (13332).
- Dai, Mengliang, Yiwei Xia, and Rongxu Han. 2021. "The Impact of Lockdown on Police Service Calls During the COVID-19 Pandemic in China." *Policing*, 15(3): 1867–1881.
- Hoehn-Velasco, Lauren, Adan Silverio-Murillo, and Jose Roberto Balmori de la Miyar. 2021. "The great crime recovery: Crimes against women during, and after, the COVID-19 lockdown in Mexico." *Economics and Human Biology*, 41.
- Hsu, Lin-Chi, and Alexander Henke. 2020. "COVID-19, staying at home, and domestic violence." *Review of Economics of the Household*, 19: 145–155.
- Hsu, Lin-Chi, and Alexander Henke. 2021. "The Effect of Sheltering in Place on Police Reports of Domestic Violence in the US." *Feminist Economics*, 27(1-2): 362–379.
- Imbens, Guido W, and Jeffrey M Wooldridge. 2009. "Recent Developments in the Econometrics of Program Evaluation." *Journal of Economic Literature*, 47(1): 5–86.
- Ivandic, Ria, Tom Kirchmaier, and Ben Linton. 2021. "Changing patterns of domestic abuse during Covid-19 lockdown." Available at SSRN 3686873.
- Leslie, Emily, and Riley Wilson. 2020. "Sheltering in place and domestic violence: Evidence from calls for service during COVID-19." *Journal of Public Economics*, 189: 104241.
- Mervosh, Sarah, Denise Lu, and Vanessa Swales. 2020. "See Which States and Cities Have Told Residents to Stay at Home." *The New York Times*.
- Miller, Amalia R, Carmit Segal, and Melissa K Spencer. 2020. "Effects of the COVID-19 Pandemic on Domestic Violence in Los Angeles." National Bureau of Economic Research Working Paper 28068.
- Miller, Amalia R, Carmit Segal, and Melissa K Spencer. 2021. "Effects of COVID-19 Shutdowns on Domestic Violence in US Cities." National Bureau of Economic Research Working Paper 29429.
- Nguyen, Thuy D, Sumedha Gupta, Martin Andersen, Ana Bento, Kosali I Simon, and Coady Wing. 2020. "Impacts of State Reopening Policy on Human Mobility." National Bureau of Economic Research Working Paper 27235.
- **Payne, Jason Leslie, and Anthony Morgan.** 2020. "COVID-19 and Violent Crime: A comparison of recorded offence rates and dynamic forecasts (ARIMA) for March 2020 in Queensland, Australia." Center for Open Science SocArXiv g4kh7.

- Piquero, Alex R, Jordan R Riddell, Stephen A Bishopp, Chelsey Narvey, Joan A Reid, and Nicole Leeper Piquero. 2020. "Staying home, staying safe? A short-term analysis of COVID-19 on Dallas domestic violence." *American Journal of Criminal Justice*, 45(4): 601–635.
- Ravindran, Saravana, and Manisha Shah. 2020. "Unintended Consequences of Lockdowns: COVID-19 and the Shadow Pandemic." National Bureau of Economic Research Working Paper 27562.
- Sanga, Sarath, and Justin McCrary. 2020. "The impact of the coronavirus lockdown on domestic violence." Available at SSRN 3612491.
- Silverio-Murillo, Adan, Jose Roberto Balmori de la Miyar, and Lauren Hoehn-Velasco. 2020. "Families under Confinement: COVID-19, Domestic Violence, and Alcohol Consumption." *Andrew Young School of Policy Studies Research Paper Series*.