

## **Supplementary Online Appendix**

Table A1  
 OLS and Negative Binomial Estimates in Cities Below the Median  
 Population

	(1)	(2)	(3)	(4)
	Rates	Levels	Indicators	
<b>Panel A: Ordinary Least Squares</b>				
Homicides last month	0.075* (0.041)	0.242** (0.107)	0.238** (0.108)	
Homicides two months prior	0.113** (0.047)	0.299** (0.138)	0.333** (0.151)	
Homicide previous two months				0.315*** (0.112)
Number of observations	14,880	14,880	14,880	14,880
<b>Panel B: Negative Binomial</b>				
All				
Homicides last month	0.033** (0.016)	0.097*** (0.036)	0.093** (0.038)	
Homicides two months prior	0.030* (0.017)	0.074* (0.042)	0.080* (0.045)	
Homicide previous two months				0.094*** (0.035)
Number of observations	14,880	14,880	14,880	14,880
Month FE	Yes	Yes	Yes	Yes
City-by-Year FE	Yes	Yes	Yes	Yes

Notes: Estimates in Panel A are based on OLS regression models and estimates in Panel B use Negative Binomial regression models. Each regression uses monthly data on homicides from the North Carolina State Center for Health Statistics and concealed-carry permit applications from the North Carolina State Bureau of Investigations. The sample is limited to cities below the median population in the data. The outcome variable is the number of new concealed-carry permit applications for a given city in a given month. Standard errors (in parentheses) are corrected for possible clustering at the city level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.

Table A2  
Dynamic Effects on Concealed-Carry Applications

	(1)	(2)	(3)	(4)	(5)
Homicide 3-5 months after				-0.044 (0.027)	-0.031 (0.034)
Homicide 0-2 months after			0.012 (0.031)	-0.000 (0.034)	0.017 (0.041)
Homicide prior 1-2 months	0.124*** (0.036)	0.126*** (0.036)	0.126*** (0.038)	0.117*** (0.039)	0.102** (0.041)
Homicide prior 3-5 months		0.008 (0.026)			0.012 (0.031)
Month Fixed Effects	Yes	Yes	Yes	Yes	Yes
City by Year Fixed Effects	Yes	Yes	Yes	Yes	Yes
Number of observations	14,880	14,880	14,880	14,880	14,880

Notes: Estimates are based on Poisson models using monthly data on homicides from the North Carolina State Center for Health Statistics and concealed-carry permit applications from the North Carolina State Bureau of Investigations. The outcome variable is the number of new concealed-carry permit applications for a given city in a given month. Standard errors (in parentheses) are corrected for possible clustering at the city level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.

Table A3  
Estimated Effects by Victim Salience (Race-by-Gender)

	(1)	(2)	(3)	(4)
	Black-Male Applicants	White-Male Applicants	Black-Female Applicants	White-Female Applicants
Black-Male Victim	0.115 (0.110)	0.187*** (0.051)	-0.210 (0.310)	0.133 (0.102)
White-Male Victim	0.021 (0.180)	0.118** (0.053)	-0.087 (0.556)	-0.041 (0.100)
Black-Female Victim	-0.534 (0.444)	0.173* (0.095)	0.920** (0.465)	0.263 (0.206)
White-Female Victim	-0.421 (0.388)	-0.018 (0.070)	0.664 (0.587)	0.134 (0.137)
Month FE	Yes	Yes	Yes	Yes
City by Year FE	Yes	Yes	Yes	Yes
Number of observations	7,812	14,676	2,916	12,240

Notes: Estimates are based on Poisson models using monthly data on homicides from the North Carolina State Center for Health Statistics and concealed-carry permit applications from the North Carolina State Bureau of Investigations. The outcome variable is the demographic-specific number of new concealed-carry permit applications for a given city in a given month corresponding to the column titles. Standard errors (in parentheses) are corrected for possible clustering at the city level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.

Table A4  
Estimated Effects using Zip Code-Level Data by Applicant Characteristics

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	All	Black	White	Male	Female	Ages 21-39	Ages 40-59	Ages 60+
Homicide this month	0.008 (0.009)	0.019 (0.023)	0.004 (0.010)	0.009 (0.009)	0.002 (0.017)	0.013 (0.012)	0.005 (0.012)	0.006 (0.018)
Homicide last month	0.017* (0.009)	-0.025 (0.023)	0.023** (0.011)	0.021** (0.010)	0.003 (0.016)	0.017 (0.013)	0.022* (0.012)	0.008 (0.018)
Homicide two months prior	-0.001 (0.009)	0.007 (0.025)	-0.002 (0.009)	-0.002 (0.009)	0.003 (0.016)	0.009 (0.012)	-0.009 (0.012)	-0.001 (0.017)
Month FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
City by Year FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of observations	128,520	56,784	126,876	127,128	98,328	109,524	117,264	99,300

Notes: These estimates are based on Poisson models using homicide data from the North Carolina State Center for Health Statistics and concealed-carry permit applications from the North Carolina State Bureau of Investigations. The outcome variable is the demographic-specific number of new concealed-carry permit applications for a given zip code in a given city in a given month corresponding to the column titles. Standard errors (in parentheses) are corrected for possible clustering at the city level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.

Table A5  
Dynamic Effects at the Census Tract Level

	(1)	(2)	(3)	(4)	(5)
Homicide 3-5 months after				-0.049 (0.046)	-0.071 (0.049)
Homicide 0-2 months after			-0.038 (0.041)		-0.064 (0.046)
Homicide prior 1-2 months	0.075** (0.038)	0.077** (0.037)	0.066* (0.040)	0.066* (0.037)	0.043 (0.040)
Homicide prior 3-5 months		0.011 (0.046)			-0.015 (0.052)
Month FE	Yes	Yes	Yes	Yes	Yes
City-by-Year FE	Yes	Yes	Yes	Yes	Yes
Number of observations	27,884	27,884	27,884	27,884	27,884

Notes: These estimates are based on Poisson models using crime data from the North Carolina law enforcement agencies and concealed-carry permit applications from the North Carolina State Bureau of Investigations. The outcome variable is the number of new concealed-carry permit applications in a given census tract in a given city in a given month. Standard errors (in parentheses) are corrected for possible clustering at the census tract level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.

Table A6  
Estimated Effects by Homicides (NCSCHS and UCR Data)

	(1)	(2)	(3)	(4)
	NCSCHS		UCR	
Homicide this month	0.135***		0.206***	
	(0.037)		(0.042)	
Homicide this month	0.122**		0.123**	
	(0.057)		(0.056)	
Homicide previous two months		0.140***		0.172***
		(0.039)		(0.042)
Month FE	Yes	Yes	Yes	Yes
City by Year FE	Yes	Yes	Yes	Yes
Number of observations	11,467	11,467	11,467	11,467

Notes: Estimates are based on Poisson models using monthly data on homicides from the North Carolina State Center for Health Statistics and Uniform Crime Reports. Data on concealed-carry permit applications from the North Carolina State Bureau of Investigations. The outcome variable is the number of new concealed-carry permit applications for a given city in a given month. Columns 1 and 2 present the results when the NCSCHS data is restricted to the same city-month observations that we observe in the UCR data. Standard errors (in parentheses) are corrected for possible clustering at the city level.

\* 0.10, \*\* 0.05 and \*\*\*0.01 denote significance levels.