

Police Officer on the Frontline or a Soldier? The
Effect of Police Militarization on Crime
Online Appendix.

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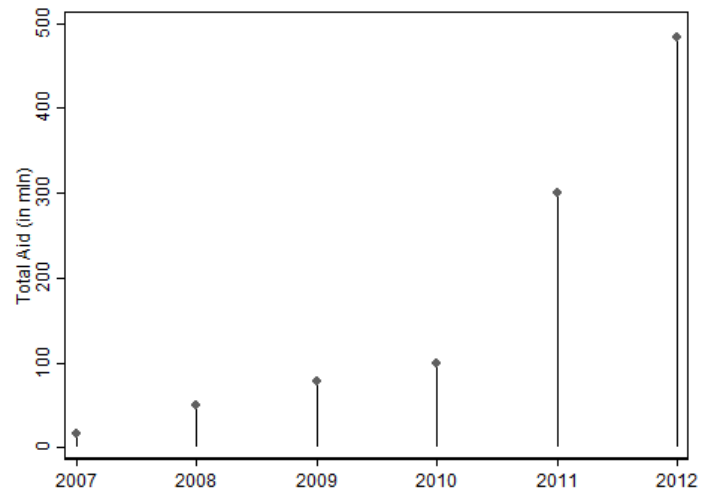


Figure A.1: Total Aid by Year in Monetary Terms

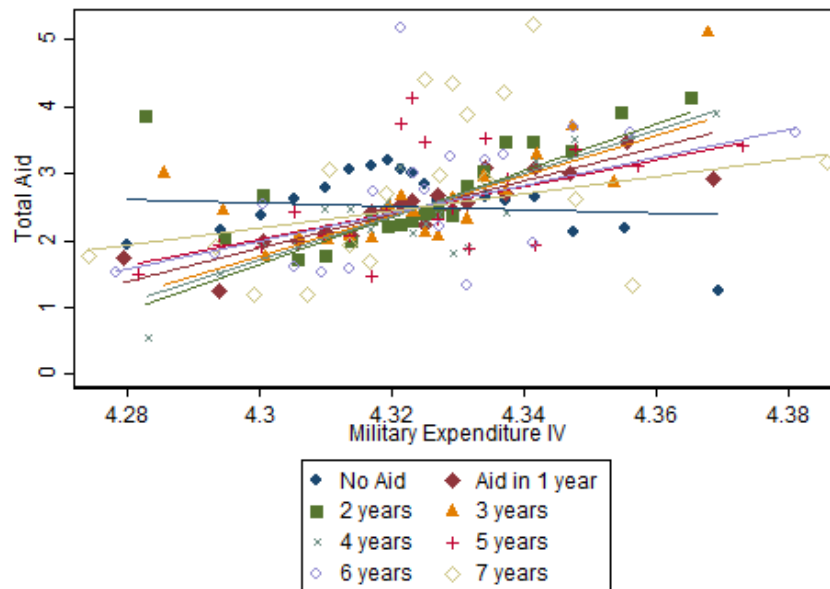


Figure A.2: Total Military Aid (in log) and Military Expenditure IV: First Stage

Notes: The figure represents a binned scatter plot representation of the first stage of the Instrumental Variable estimation in our analysis. Each point of the scatter represents the mean military expenditure and total aid over equally sized bin. The line presents a linear fit.

Table A.1: Federal supply categories

	Average Value	Freq.
Weapons		
AMMUNITION AND EXPLOSIVES	36,596.50	528
GUIDED MISSILES	56,327.38	6
WEAPONS	412.13	97,772
<i>Total</i>	609.89	98,306
Vehicles		
AIRCRAFT COMPONENTS/ACCESSORIES	15,807.25	856
AIRCRAFT LAUNCH/LAND/GROUND HANDLE	30,644.92	201
AIRCRAFT/AIRFRAME STRUCTURE COMPTS	457,782.84	750
ENGINE ACCESSORIES	2,625.22	358
ENGINES AND TURBINES AND COMPONENT	30,443.02	443
MECHANICAL POWER TRANSMISSION EQPT	3,597.15	139
MOTOR VEHICLES, CYCLES, TRAILERS	67,076.26	10,425
SHIP AND MARINE EQUIPMENT	3,537.44	134
SHIPS, SMALL CRAFT, PONTOON, DOCKS	103,096.49	152
TIRES AND TUBES	2,209.56	456
TRACTORS	90,621.24	366
VEHICULAR EQUIPMENT COMPONENTS	4,696.38	3,170
<i>Total</i>	65,468.83	17,450
Gears		
CLOTHING/INDIVIDUAL EQPT, INSIGNIA	1,691.43	30,993
COMM/DETECT/COHERENT RADIATION	14,365.93	12,694
ELECTRICAL/ELECTRONIC EQPT COMPNTS	6,200.20	1,373
FIRE CONTROL EQPT.	3,460.47	12,013
FIRE/RESCUE/SAFETY; ENVIRO PROTECT	5,706.23	3,434
PHOTOGRAPHIC EQPT	3,787.01	1,468
RECREATIONAL/ATHLETIC EQPT	2,057.44	1,713
TRAINING AIDS AND DEVICES	12,955.73	398
<i>Total</i>	4,973.05	64,086
Others		
ADP EQPT/SOFTWARE/SUPPLIES AND E..	5,343.80	4,656
AGRICULTURAL MACHINERY AND EQPT	2,217.22	477
AGRICULTURAL SUPPLIES	1,940.00	1
ALARM, SIGNAL, SECURITY DETECTION	14,907.88	265
BEARINGS	3,815.33	84
BOOKS, MAPS, OTHER PUBLICATIONS	4,771.57	20
BRUSHES, PAINTS, SEALERS, ADHESIVES	300.87	102
CHEMICALS AND CHEMICAL PRODUCTS	1,157.54	51
CLEANING EQPT AND SUPPLIES	1,111.34	414
CONSTRUCT/MINE/EXCAVATE/HIGHWAY E..	59,426.71	742
CONSTRUCTION AND BUILDING MATERIAL	5,017.64	215

CONTAINERS/PACKAGING/PACKING SUPPL	7,411.49	2,377
ELECTRIC WIRE, POWER DISTRIB EQPT	12,865.65	3,007
FIBER OPTIC	10,825.25	18
FOOD PREPARATION/SERVING EQPT	7,228.64	1,084
FUELS, LUBRICANTS, OILS, WAXES	4,756.95	80
FURNACE/STEAM/DRYING; NUCL REACTOR	2,008.72	46
FURNITURE	2,231.76	2,174
HAND TOOLS	2,435.35	9,433
HARDWARE AND ABRASIVES	1,409.70	1,687
HOUSEHOLD/COMMERC FURNISH/APPLIA..	4,905.34	1,433
INSTRUMENTS AND LABORATORY EQPT	8,972.08	2,322
LIGHTING FIXTURES, LAMPS	6,563.59	3,220
LUMBER, MILLWORK, PLYWOOD, VENEER	4,585.24	37
MAINT/REPAIR SHOP EQPT	15,128.34	1,637
MATERIALS HANDLING EQPT	17,988.05	1,303
MEASURING TOOLS	645.60	156
MEDICAL/DENTAL/VETERINARY EQPT/S..	5,889.76	6,462
METAL BARS, SHEETS, SHAPES	5,154.19	480
METALWORKING MACHINERY	4,013.95	919
MISCELLANEOUS	7,404.45	283
MUSICAL INST/PHONOGRAPH/HOME RADIO	1,694.04	265
NONMETALLIC FABRICATED MATERIALS	1,595.64	237
OFFICE MACH/TEXT PROCESS/VISIB REC	2,232.83	178
OFFICE SUPPLIES AND DEVICES	690.93	634
ORES, MINERALS AND PRIMARY PRODU..	769.16	2
PIPE, TUBING, HOSE, AND FITTINGS	2,219.85	199
PLUMBING, HEATING, WASTE DISPOSAL	8,295.74	393
PREFAB STRUCTURES/SCAFFOLDING	36,968.79	432
PUMPS AND COMPRESSORS	7,954.89	572
REFRIG, AIR CONDIT/CIRCULAT EQPT	4,370.54	902
ROPE, CABLE, CHAIN, FITTINGS	1,787.68	768
SERVICE AND TRADE EQPT	2,552.75	303
SPECIAL INDUSTRY MACHINERY	11,976.09	269
SUBSISTENCE	20,206.29	33
TEXTILE/LEATHER/FUR; TENT; FLAG	12,637.55	1,443
TOILETRIES	4,445.51	61
VALVES	3,645.76	23
WATER PURIFICATION/SEWAGE TREATM..	12,853.61	56
WOODWORKING MACHINERY AND EQPT	1,867.44	95
<i>Total</i>	7,112.04	52,050

Table A.2: The Effect of Military Aid on Crime: The Impact of Control Variables

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Crime	Crime	Crime	Crime	Crime	Crime	Crime	Crime	Crime	Crime
Lagged Total Aid	-116.386*** (35.880)	74.634*** (16.942)	-68.940*** (15.430)	-68.664*** (15.575)	-71.795*** (15.102)	-61.799*** (14.720)	-61.469*** (14.611)	-58.797*** (13.805)	-59.301*** (13.604)	-59.293*** (14.040)
Percent Poverty			-12.459** (6.110)	-11.948* (6.177)	-9.556* (5.394)	-8.181 (5.152)	-8.266 (5.147)	-7.961 (5.115)	-7.969 (5.092)	-7.951 (5.135)
Log Median Income				47.286 (171.508)	4.352 (172.111)	84.487 (156.637)	82.108 (155.908)	79.344 (157.074)	91.956 (157.611)	111.193 (152.336)
Unemployment Rate					-39.417*** (14.205)	-31.027*** (8.054)	-30.923*** (8.020)	-30.372*** (7.705)	-30.498*** (7.533)	-30.920*** (7.397)
Log Population						-731.875*** (237.953)	-732.013*** (237.942)	-731.369*** (238.169)	-730.970*** (238.421)	-730.943*** (238.397)
Share Males							1228.531 (1534.111)	1317.684 (1493.990)	1422.783 (1471.628)	1492.304 (1479.208)
Share Blacks								-3222.251* (1667.298)	-3715.223** (1729.355)	-3467.042** (1714.654)
Share Age 15-19									2759.300* (1468.342)	1771.420 (1424.829)
Share Age 20-24									3037.980* (1843.639)	2686.095 (1788.253)
Share Age 25-29										-372.397 (1629.952)
Share Age 30-34										-3287.967* (1838.705)
Observations	17807	17807	17807	17807	17807	17807	17807	17807	17807	17807
Kleibergen-Paap F-Statistic	20.083	46.972	48.020	47.636	47.744	47.828	47.728	49.345	49.326	49.113
State*Year FE:	-	x	x	x	x	-	x	x	x	x
Year FE:	x	-	-	-	-	-	-	-	-	-

Table A.3: The Effect of Military Aid on Crime - OLS Results

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Crime	Homicide	Robbery	Assault	Burglary	Larceny	Vehicle Theft
Lagged Total Aid	0.692 (1.185)	-0.004 (0.013)	-0.109 (0.083)	0.070 (0.214)	0.233 (0.428)	0.299 (0.655)	0.202 (0.166)
Constant	6800.270* (3439.930)	1.372 (29.377)	-8.861 (97.342)	234.900 (512.228)	1847.580* (953.100)	5154.220*** (1748.000)	-428.942 (400.424)
Observations	17822	17822	17822	17822	17822	17822	17822

Notes: The dependent variable is total crime per 100,000 population (column 1) and the category of crime per 100,000 population (columns 2 to 7). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. All models include county and interacted state-year fixed effects. Robust standard errors clustered at the state level reported in parenthesis. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A.4: The Effect of Categories of Military Aid on Crime

	(1) Crime	(2) Robbery	(3) Assault	(4) Larceny	(5) Vehicle Theft
Lagged Total Aid	-59.293*** (14.040)	-6.102*** (1.088)	-5.305* (2.348)	-27.429*** (7.218)	-11.644*** (2.807)
Kleibergen-Paap F-Statistic	49.113	49.113	49.113	49.113	49.113
Lagged Weapons Aid	272.267* (133.656)	28.021 (14.780)	24.361 (15.499)	125.949 (64.455)	53.467* (25.222)
Kleibergen-Paap F-Statistic	4.380	4.380	4.380	4.380	4.380
P-value	0.01	0.02	0.06	0.02	0.01
Lagged Gears Aid	-43.816*** (8.744)	-4.509*** (0.583)	-3.921* (1.782)	-20.269*** (4.393)	-8.605*** (1.575)
Kleibergen-Paap F-Statistic	146.330	146.330	146.330	146.330	146.330
P-value	0.08	0.01	0.44	0.10	0.05
Lagged Vehicles Aid	-46.797*** (10.052)	-4.816*** (0.780)	-4.187* (1.863)	-21.648*** (5.133)	-9.190*** (1.843)
Kleibergen-Paap F-Statistic	108.882	108.882	108.882	108.882	108.882
P-value	0.21	0.10	0.55	0.26	0.18
Lagged Others Aid	-69.565*** (14.561)	-7.159*** (0.929)	-6.224* (2.949)	-32.180*** (6.985)	-13.661*** (2.558)
Observations	17807	17807	17807	17807	17807
Kleibergen-Paap F-Statistic	77.295	77.295	77.295	77.295	77.295
P-value	0.48	0.26	0.76	0.50	0.43

Notes: The dependent variable is total crime per 100,000 population (column 1) and the category of crime per 100,000 population (columns 2 to 5). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. All models include county and interacted state-year fixed effects. The instrument is lagged military expenditure times the probability of receiving military aid. Each p-value represents the Wald test for difference in the coefficient of the row variable with the coefficient on Total Lagged Aid, where the dependent variable is on the top of the column. Robust standard errors clustered at the state level reported in parenthesis. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A.5: Robustness Checks on the Effect of Military Aid on Crime

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Crime	Homicide	Robbery	Assault	Burglary	Larceny	Vehicle Theft
<i>Panel A. Population < 250000</i>							
Lagged Total Aid	-32.475** (13.557)	-0.002 (0.115)	-2.999*** (0.803)	-4.617* (2.594)	-4.644 (6.165)	-15.974** (7.188)	-4.239* (2.243)
Observations	16332	16332	16332	16332	16332	16332	16332
KP F-Statistic	33.792	33.792	33.792	33.792	33.792	33.792	33.792
<i>Panel B. Unempl Rate > 7</i>							
Lagged Total Aid	-62.378*** (16.643)	-0.022 (0.101)	-6.086*** (1.361)	-4.122 (2.549)	-10.836 (6.694)	-29.469*** (9.242)	-11.843*** (2.887)
Observations	10351	10351	10351	10351	10351	10351	10351
Kleibergen-Paap F-Statistic	55.551	55.551	55.551	55.551	55.551	55.551	55.551
<i>Panel C. Poverty Rate > 16</i>							
Lagged Total Aid	-77.671*** (23.629)	-0.082 (0.132)	-7.803*** (1.768)	-4.762 (3.083)	-11.097 (8.128)	-40.411*** (11.684)	-13.517*** (4.093)
Observations	9605	9605	9605	9605	9605	9605	9605
Kleibergen-Paap F-Statistic	31.357	31.357	31.357	31.357	31.357	31.357	31.357
<i>Panel D. Median Income > 40 000</i>							
Lagged Total Aid	-53.788*** (17.126)	0.034 (0.120)	-6.658*** (1.051)	-5.402** (2.440)	-12.939** (5.156)	-16.384 (10.443)	-12.438*** (2.780)
Observations	10538	10538	10538	10538	10538	10538	10538
Kleibergen-Paap F-Statistic	47.176	47.176	47.176	47.176	47.176	47.176	47.176
<i>Panel E. Share of blacks > 0.06</i>							
Lagged Total Aid	-109.825*** (32.510)	-0.231 (0.194)	-10.820*** (2.101)	-6.894 (4.323)	-18.814* (11.234)	-55.283*** (15.544)	-17.783*** (5.910)
Observations	7087	7087	7087	7087	7087	7087	7087
Kleibergen-Paap F-Statistic	15.377	15.377	15.377	15.377	15.377	15.377	15.377

Notes: The dependent variable is total crime per 100,000 population (column 1) and the category of crime per 100,000 population (columns 2 to 6). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. All models include county and interacted state-year fixed effects. Robust standard errors clustered at the state level reported in parenthesis. “KP F-Statistic” stands for Kleibergen-Paap F-Statistic. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A.6: Robustness Checks on the Effect of Military Aid on Crime

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	First Stage	Crime	Homicide	Robbery	Assault	Burglary	Larceny	Vehicle Theft
<i>Panel A. Quantities instead of Monetary Equivalent of Aid</i>								
Military Exp. IV	783.629*** (137.546)							
Lagged Total Quantity		-1.331*** (0.360)	-0.001 (0.002)	-0.137*** (0.025)	-0.119* (0.061)	-0.196 (0.129)	-0.616*** (0.170)	-0.261*** (0.057)
Constant	-3103.112*** (693.506)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		32.460	32.460	32.460	32.460	32.460	32.460	32.460
<i>Panel B. US Military Spending in % of GDP as IV</i>								
Burden IV	3.966*** (0.546)							
Lagged Total Aid		-52.922*** (13.058)	-0.070 (0.085)	-5.506*** (0.985)	-5.531*** (2.082)	-7.401 (4.853)	-24.957*** (6.701)	-9.458*** (2.419)
Constant	14.971* (7.796)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		52.818	52.818	52.818	52.818	52.818	52.818	52.818
<i>Panel C. US Military Fatalities in Afghanistan and Iraq as IV</i>								
Casualties IV	-2.996*** (0.552)							
Lagged Total Aid		-82.537*** (19.410)	-0.093 (0.138)	-8.182*** (1.678)	-10.407*** (2.802)	-14.838*** (5.341)	-34.729*** (10.568)	-14.289*** (3.802)
Constant	29.651*** (8.105)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		29.447	29.447	29.447	29.447	29.447	29.447	29.447

Notes: The dependent variable is military aid (column 1), total crime per 100,000 population (column 2) and the category of crime per 100,000 population (columns 3 to 8). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. All models include county and interacted state-year fixed effects. In Panels A the instrument is lagged military expenditure times the probability of receiving military aid. In Panels B and C we replace military expenditure with military burden or the number of US fatalities, respectively. Robust standard errors clustered at the state level reported in parenthesis. “KP F-Statistic” stands for Kleibergen-Paap F-Statistic. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A.7: Robustness Checks on the Effect of Military Aid on Crime

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	First Stage	Crime	Homicide	Robbery	Assault	Burglary	Larceny	Vehicle Theft
<i>Panel A. Population Weights</i>								
Military Exp. IV	21.348*** (3.256)							
Lagged Total Aid		-87.466*** (18.113)	-0.223*** (0.058)	-11.532*** (1.910)	-5.560** (2.267)	-13.769** (5.659)	-37.285*** (10.665)	-19.097*** (3.391)
Constant	-139.943*** (44.415)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		42.997	42.997	42.997	42.997	42.997	42.997	42.997
<i>Panel B. Total Aid per Capita</i>								
Military Exp. IV	17.589*** (2.510)							
Lagged Total Aid per Capita		-59.293*** (14.040)	-0.063 (0.094)	-6.102*** (1.088)	-5.305** (2.348)	-8.750* (5.307)	-27.429*** (7.218)	-11.644*** (2.807)
Constant	-55.150*** (12.177)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
Kleibergen-Paap F-Statistic		49.113	49.113	49.113	49.113	49.113	49.113	49.113
<i>Panel C. Full Coverage</i>								
Military Exp. IV	18.978*** (3.553)							
Lagged Total Aid		-24.441 (21.255)	-0.068 (0.123)	-3.450*** (1.035)	-4.622* (2.533)	-2.264 (5.676)	-6.319 (12.817)	-7.717* (3.980)
Constant	-50.786*** (16.398)							
Observations	9272	9272	9272	9272	9272	9272	9272	9272
KP F-Statistic		28.535	28.535	28.535	28.535	28.535	28.535	28.535

Notes: The dependent variable is military aid (column 1), total crime per 100,000 population (column 2) and the category of crime per 100,000 population (columns 3 to 8). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. All models include county and interacted state-year fixed effects. Robust standard errors clustered at the state level reported in parenthesis. “KP F-Statistic” stands for Kleibergen-Paap F-Statistic. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.

Table A.8: Specification Robustness Checks on the Effect of Military Aid on Crime

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	First Stage	Crime	Homicide	Robbery	Assault	Burglary	Larceny	Vehicle Theft
<i>Panel A. Including Year Fixed Effects Instead of State*Year Fixed Effects</i>								
Military Exp. IV	11.833*** (2.455)							
Lagged Total Aid		-79.823*** (26.401)	-0.062 (0.176)	-6.691*** (1.956)	-6.132* (3.724)	-8.819 (8.910)	-39.149*** (13.100)	-18.970*** (5.036)
Constant	-43.800*** (13.072)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		23.238	23.238	23.238	23.238	23.238	23.238	23.238
<i>Panel B. Including County Linear Trends</i>								
Military Exp. IV	11.187*** (2.899)							
Lagged Total Aid		-95.982*** (34.188)	-0.182 (0.149)	-7.340*** (2.219)	-10.425*** (3.795)	-8.170 (9.482)	-46.887*** (16.986)	-22.977*** (6.789)
Constant	0.676 (17.036)							
Observations	17822	17807	17807	17807	17807	17807	17807	17807
KP F-Statistic		14.889	14.889	14.889	14.889	14.889	14.889	14.889
<i>Panel C. Excluding Counties with no Aid and Aid in All Years</i>								
Military Exp. IV	27.248*** (2.959)							
Lagged Total Aid		-30.676*** (9.525)	-0.011 (0.075)	-3.947*** (0.967)	-1.988 (1.836)	-6.409* (3.756)	-11.987** (5.992)	-6.335*** (1.685)
Observations	13709	13709	13709	13709	13709	13709	13709	13709
Kleibergen-Paap F-Statistic		81.960	81.960	81.960	81.960	81.960	81.960	81.960

Notes: The dependent variable is military aid (column 1), total crime per 100,000 population (column 2) and the category of crime per 100,000 population (columns 3 to 8). Control variables: median income, poverty rate, unemployment rate, population, share of males, blacks, and age 15-19, 20-24, 25-29, 30-34. Robust standard errors clustered at the state level reported in parenthesis. "KP F-Statistic" stands for Kleibergen-Paap F-Statistic. Asterisks denote: *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$.