Appendix

Table S1
Prevalence of exposure by subgroups of interest

	Victimized with a firearm, N (weighted %)
Total	530 (9.17)
Age	
12−18	31 (3.40)
19−39	269 (10.79)
40−59	171 (9.80)
60+	59 (12.87)
Sex	
Male	323 (11.01)
Female	207 (7.20)
Race	
White	370 (8.05)
Black	125 (15.37)
Other race	35 (7.87)
SES	
Low	156 (10.48)
Medium	136 (9.18)
High	110 (7.49)

Table S2
Covariate distribution by strata

	Age: 12−18	Age: 19−39	Age: 40−59	Age: 60+	Male	Female	White	Black	SES: Low	SES: Medium	SES: High
Covariates	N (weighted %)										
Age: 12−18	952 (100)	—	—	—	524 (21.78)	428 (18.44)	744 (19.78)	144 (22.91)	280 (17.54)	324 (20.81)	348 (22.20)
Age: 19−39	—	2551 (100)	—	—	1219 (45.65)	1332 (48.14)	1975 (45.78)	358 (48.76)	985 (52.55)	877 (48.25)	689 (39.56)
Age: 40−59	—	—	1732 (100)	—	851 (25.97)	881 (27.33)	1411 (27.68)	216 (23.88)	521 (23.74)	535 (25.01)	676 (31.23)
Age: 60+	—	—	—	463 (100)	247 (6.61)	216 (6.10)	382 (6.77)	50 (4.45)	150 (6.17)	144 (5.93)	169 (7.00)
Male	524 (55.86)	1219 (50.39)	851 (50.45)	247 (53.73)	2841 (100)	—	2293 (52.97)	341 (46.36)	870 (47.01)	929 (51.42)	1042 (56.88)
Female	428 (44.14)	1332 (49.61)	881 (49.55)	216 (46.27)	—	2857 (100)	2219 (47.03)	427 (53.64)	1066 (52.99)	951 (48.58)	840 (43.12)
White	744 (75.68)	1975 (75.38)	1411 (80.19)	382 (82.06)	2293 (79.01)	2219 (75.15)	4512 (100)	—	1398 (70.02)	1476 (76.59)	1638 (85.04)
Black	144 (17.63)	358 (16.15)	216 (13.91)	50 (10.86)	341 (13.91)	427 (17.24)	—	768 (100)	380 (22.16)	257 (15.38)	131 (8.83)
SES: low	280 (29.30)	985 (37.79)	521 (30.04)	150 (32.66)	870 (30.62)	1066 (36.98)	1398 (30.57)	380 (48.11)	1936 (100)	—	—
SES: medium	324 (34.59)	877 (34.52)	535 (31.49)	144 (31.25)	929 (33.32)	951 (33.73)	1476 (33.28)	257 (33.23)	—	1880 (100)	—
SES: high	348 (36.11)	689 (27.69)	676 (38.47)	169 (36.09)	1042 (36.06)	840 (29.29)	1638 (36.15)	131 (18.66)	—	—	1882 (100)
Ever separated	78 (8.16)	438 (15.62)	664 (38.81)	164 (34.99)	553 (17.70)	791 (25.59)	1086 (22.09)	165 (18.78)	553 (25.75)	474 (22.65)	323 (16.02)
House or apartment	924 (97.09)	2445 (96.58)	1653 (96.27)	444 (95.91)	2712 (96.32)	2754 (96.81)	4325 (96.30)	746 (98.11)	1804 (94.02)	1822 (97.20)	1853 (98.49)
Other housing	28 (2.91)	99 (3.42)	73 (3.73)	18 (4.09)	120 (3.68)	98 (3.19)	178 (3.70)	18 (1.89)	132 (5.98)	58 (2.80)	29 (1.51)
In residence < 1 year	230 (23.97)	1122 (43.80)	378 (22.24)	52 (11.54)	804 (29.56)	978 (34.66)	1375 (31.33)	267 (35.13)	902 (47.57)	603 (32.30)	282 (15.66)
In residence > 1 year	720 (76.03)	1422 (56.20)	1346 (77.76)	407 (88.46)	2025 (70.44)	1870 (65.34)	3122 (68.67)	497 (64.87)	1034 (52.43)	1277 (67.70)	1600 (84.34)
Previous victimization	131 (13.93)	478 (18.03)	333 (19.22)	110 (24.18)	496 (17.04)	556 (18.84)	824 (17.70)	146 (17.99)	449 (22.57)	332 (17.29)	271 (13.76)
Victimized by stranger	195 (22.29)	940 (38.87)	562 (33.98)	162 (35.75)	1188 (43.72)	671 (23.81)	1470 (34.15)	240 (32.36)	547 (29.19)	633 (34.15)	748 (39.74)

Table S3
Propensity score trimming:* risk differences (RD) and ratios (RR) for severe distress and social functioning problems associated with firearm involvement during a violent Victimization

A. Severe distress		
	RD (95% CI)	RR (95% CI)
Age		
12−18	0.13 (−0.12, 0.38)	1.84 (0.74, 4.58)
19−39	**0.16 (0.09, 0.24)**	**1.73 (1.41, 2.13)**
40−59	**0.19 (0.10, 0.28)**	**1.55 (1.29, 1.85)**
60+	0.05 (−0.13, 0.23)	1.17 (0.70, 1.97)
Sex		
Male	**0.12 (0.05, 0.19)**	**1.77 (1.36, 2.32)**
Female	**0.20 (0.11, 0.29)**	**1.57 (1.32, 1.89)**
Race		
White	**0.15 (0.09, 0.21)**	**1.63 (1.38, 1.93)**
Black	**0.14 (0.00, 0.28)**	**1.42 (1.05, 1.93)**
SES		
Low	**0.13 (0.03, 0.22)**	**1.40 (1.13, 1.73)**
Medium	**0.12 (0.03, 0.21)**	**1.50 (1.15, 1.95)**
High	**0.20 (0.10, 0.30)**	**2.12 (1.60, 2.82)**
B. Social functioning problems		
Age		
12−18	−0.12 (−0.33, 0.10)	0.60 (0.18, 2.04)
19−39	0.07 (−0.00, 0.15)	**1.30 (1.03, 1.64)**
40−59	0.04 (−0.05, 0.13)	1.14 (0.86, 1.51)
60+	0.04 (−0.14, 0.21)	1.19 (0.55, 2.57)
Sex		
Male	0.05 (−0.02, 0.12)	1.27 (0.94, 1.71)
Female	0.06 (−0.03, 0.16)	1.19 (0.94, 1.51)
Race		
White	0.02 (−0.04, 0.08)	1.09 (0.87, 1.36)
Black	0.08 (−0.04, 0.21)	1.31 (0.90, 1.91)
SES		
Low	**0.14 (0.05, 0.24)**	**1.51 (1.20, 1.91)**
Medium	−0.01 (−0.10, 0.08)	0.97 (0.70, 1.35)
High	0.09 (−0.01, 0.20)	**1.48 (1.01, 2.14)**

Bolded text indicates statistical significant at *P* < .05.
* Observations with propensity scores below the fifth percentile of the exposed and above the 95th percentile of the unexposed were dropped. Analyses were on a single imputed data set.

Table S4
Sampling factors:* risk differences (RD) and ratios (RR) for severe distress and social functioning problems associated with firearm involvement during a violent victimization

A. Severe distress		
	RD (95% CI)	RR (95% CI)
Age		
12−18	0.02 (−0.16, 0.20)	1.14 (0.39, 3.31)
19−39	**0.18 (0.10, 0.26)**	**1.79 (1.46, 2.19)**
40−59	**0.18 (0.09, 0.27)**	**1.54 (1.28, 1.86)**
60+	−0.00 (−0.20, 0.19)	0.99 (0.52, 1.88)
Sex		
Male	**0.14 (0.07, 0.21)**	**1.90 (1.48, 2.45)**
Female	**0.18 (0.09, 0.28)**	**1.53 (1.27, 1.85)**
Race		
White	**0.14 (0.08, 0.20)**	**1.62 (1.37, 1.92)**
Black	**0.17 (0.03, 0.31)**	**1.59 (1.16, 2.17)**
SES		
Low	**0.14 (0.04, 0.23)**	**1.43 (1.16, 1.77)**
Medium	**0.17 (0.07, 0.26)**	**1.72 (1.35, 2.20)**
High	**0.19 (0.08, 0.30)**	**2.05 (1.49, 2.81)**
B. Social functioning problems		
Age		
12−18	−0.09 (−0.27, 0.10)	0.69 (0.26, 1.83)
19−39	0.05 (−0.03, 0.13)	1.18 (0.90, 1.53)
40−59	0.05 (−0.04, 0.13)	1.17 (0.88, 1.53)
60+	0.01 (−0.13, 0.15)	1.07 (0.56, 2.04)
Sex		
Male	0.04 (−0.03, 0.11)	1.20 (0.88, 1.62)
Female	0.05 (−0.05, 0.14)	1.14 (0.89, 1.45)
Race		
White	0.00 (−0.06, 0.06)	0.99 (0.78, 1.26)
Black	0.12 (−0.02, 0.27)	1.45 (1.00, 2.10)
SES		
Low	**0.09 (0.00, 0.18)**	**1.33 (1.04, 1.70)**
Medium	−0.01 (−0.10, 0.08)	0.96 (0.69, 1.35)
High	0.04 (−0.07, 0.14)	1.16 (0.77, 1.75)

Bolded text indicates statistical significant at *P* < .05.
* PSU and strata variables were included in analyses as covariates. Analyses were on a single imputed data set.

Table S5
Survey weights:* risk differences (RD) and ratios (RR) for severe distress and social functioning problems associated with firearm involvement during a violent victimization

A. Severe distress

	PD (95% CI)	PR (95% CI)
Age		
12−18	0.04 (−0.11, 0.19)	1.26 (0.55, 2.91)
19−39	**0.18 (0.11, 0.26)**	**1.80 (1.48, 2.19)**
40−59	**0.18 (0.09, 0.27)**	**1.56 (1.29, 1.87)**
60+	0.01 (−0.15, 0.16)	1.02 (0.63, 1.67)
Sex		
Male	**0.12 (0.05, 0.19)**	**1.80 (1.38, 2.34)**
Female	**0.19 (0.10, 0.28)**	**1.56 (1.31, 1.86)**
Race		
White	**0.15 (0.08, 0.21)**	**1.64 (1.38, 1.94)**
Black	**0.18 (0.06, 0.30)**	**1.63 (1.25, 2.13)**
SES		
Low	**0.14 (0.05, 0.23)**	**1.44 (1.17, 1.77)**
Medium	**0.16 (0.07, 0.25)**	**1.69 (1.33, 2.15)**
High	**0.17 (0.07, 0.27)**	**1.95 (1.45, 2.63)**

B. Social functioning problems

Age		
12−18	−0.10 (−0.26, 0.07)	0.65 (0.26, 1.62)
19−39	0.04 (−0.04, 0.12)	1.15 (0.90, 1.49)
40−59	0.04 (−0.05, 0.12)	1.13 (0.86, 1.50)
60+	0.02 (−0.14, 0.18)	1.09 (0.53, 2.24)
Sex		
Male	0.03 (−0.04, 0.09)	1.13 (0.83, 1.54)
Female	0.05 (−0.04, 0.14)	1.14 (0.90, 1.44)
Race		
White	0.00 (−0.06, 0.06)	1.01 (0.80, 1.26)
Black	0.11 (−0.02, 0.23)	1.38 (0.98, 1.93)
SES		
Low	0.08 (−0.01, 0.16)	**1.27 (1.00, 1.62)**
Medium	−0.01 (−0.10, 0.07)	0.95 (0.69, 1.30)
High	0.04 (−0.06, 0.14)	1.18 (0.81, 1.71)

Bolded text indicates statistical significant at $P < .05$.

 * Five observations with weights greater than 6000 were excluded from the analysis. Analyses were on a single imputed data set.

Table S6
Description of study sample, stratified by outcome missingness

	Not missing outcome, N (weighted %)	Missing outcome, N (weighted %)
Sample size	5698 (100)	1421 (100)
Gun victimization	530 (9.17)	185 (13.36)
Severe distress	1536 (26.13)	—
Social problems	1568 (27.24)	—
Age 12−18	952 (20.16)	277 (22.56)
Age 19−39	2551 (46.85)	605 (45.34)
Age 40−59	1732 (26.62)	422 (25.61)
Age 60+	463 (6.36)	117 (6.49)
Male	2841 (51.72)	733 (53.21)
Female	2857 (48.28)	688 (46.79)
White	4512 (77.15)	1094 (74.31)
Black	768 (15.52)	235 (19.17)
Other race	418 (7.34)	92 (6.52)
Low SES	1936 (33.69)	437 (31.69)
Medium SES	1880 (33.52)	493 (34.80)
High SES	1882 (32.80)	491 (33.51)

SES values may differ from Tables 1 and 2 because of the use of imputed data rather than complete case data to perform the PCA.