

Supplementary Online Content

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eTable 1. Mortality Rates and Incidence Rate Ratios for Total Firearm-Related Deaths and Specific Intents, by Age and Sex in 2007 & 2016

eTable 2. Adjusted Incidence Rate Ratios for Total Firearm Related and Specific Causes by County-Poverty Concentration

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Mortality Rates and Incidence Rate Ratios for Total Firearm-Related Deaths and Specific Intents, by Age and Sex in 2007 & 2016

Demographics	Total Firearm-Related				Homicides			
	Rate (per 100,000)		IRR		Rate (per 100,000)		IRR	
	2007	2016	2007	2016	2007	2016	2007	2016
Age Group (years)								
5-9	0.3	0.4	0.3 (0.2-0.4)	0.3 (0.2-0.4)	0.2	0.3	0.3 (0.2-0.5)	0.7 (0.5-1.0)
10-14	1.2	1.4	referent	referent	0.7	0.5	referent	referent
15-19	12.0	12.5	10.3 (9.0-11.8)	9 (7.9-10.2)	8.6	7.6	11.6 (9.9-13.8)	16.5 (13.4-20.6)
20-24	19.7	21.4	16.9 (14.9-19.3)	15.4 (13.6-17.4)	13.2	13.1	17.8 (15.1-21.1)	28.5 (23.3-35.4)
Sex								
Male	14.9	15.8	8.2 (7.6-8.9)	6.7 (6.2-7.2)	10.1	9.6	7.8 (7.1-8.5)	6.9 (6.3-7.6)
Female	1.8	2.4	referent	referent	1.3	1.4	referent	referent
Demographics	Suicides				Unintentional			
	Rate (per 100,000)		IRR		Rate (per 100,000)		IRR	
	2007	2016	2007	2016	2007	2016	2007	2016
Age Group (years)								
5-9	0.0	0.0	0.0 (0.0-0.1)	0.0 (0.0-0.2)	0.1	0.1	0.8 (0.4-1.5)	0.7 (0.4-1.4)
10-14	0.3	0.8	referent	referent	0.1	0.1	referent	referent
15-19	2.9	4.5	11.2 (8.5-15.2)	5.7 (4.9-6.8)	0.3	0.3	2.7 (1.7-4.3)	2.2 (1.4-3.8)
20-24	6.0	7.8	23.7 (18.0-31.8)	10 (8.5-11.9)	0.4	0.3	3.1 (2.0-5.1)	2.7 (1.7-4.6)
Sex								
Male	4.1	5.7	9.3 (8.0-10.9)	6.4 (5.7-7.2)	0.4	0.3	13.8 (7.9-26.3)	6.7 (4.2-11.3)
Female	0.4	0.9	referent	referent	0.0	0.0	referent	referent

eTable 2. Adjusted Incidence Rate Ratios for Total Firearm Related and Specific Causes by County-Poverty Concentration

Country Poverty Concentration	Total Firearm Related			Homicides		
	Model 1 ^a	Model 2 ^b	Model 3 ^c	Model 1 ^a	Model 2 ^b	Model 3 ^c
0-4.9%	referent	referent	referent	referent	referent	referent
5-9.9%	1.41 (1.21-1.64)	1.42 (1.22-1.65)	1.43 (1.23-1.65)	1.51 (1.20-1.91)	1.58 (1.26-2.00)	1.58 (1.26-2.00)
10-14.9%	1.96 (1.68-2.28)	1.99 (1.70-2.31)	1.93 (1.66-2.24)	2.34 (1.86-2.95)	2.56 (2.03-3.23)	2.56 (2.03-3.23)
15-19.9%	2.35 (2.01-2.73)	2.39 (2.05-2.79)	2.25 (1.94-2.61)	2.93 (2.33-3.69)	3.35 (2.66-4.22)	3.34 (2.65-4.21)
>20%	2.37 (2.03-2.77)	2.46 (2.10-2.88)	2.29 (1.96-2.67)	2.71 (2.14-3.43)	3.55 (2.80-4.51)	3.55 (2.80-4.51)
Population Attributable Fraction	0.52 (0.44-0.58)	0.53 (0.45-0.59)	0.51 (0.43-0.57)	0.60 (0.50-0.68)	0.66 (0.57-0.73)	0.66 (0.57-0.73)

Country Poverty Concentration	Suicides			Unintentional		
	Model 1 ^a	Model 2 ^b	Model 3 ^c	Model 1 ^a	Model 2 ^b	Model 3 ^c
0-4.9%	referent	referent	referent	referent	referent	referent
5-9.9%	1.29 (1.06-1.57)	1.24 (1.03-1.51)	1.26 (1.05-1.51)	4.09 (1.02-16.41)	3.62 (0.90-14.50)	3.75 (0.94-15.0)
10-14.9%	1.63 (1.34-1.97)	1.51 (1.25-1.84)	1.44 (1.20-1.73)	9.14 (2.29-36.40)	7.19 (1.81-28.70)	6.87 (1.73-27.3)
15-19.9%	1.85 (1.53-2.25)	1.68 (1.39-2.05)	1.53 (1.27-1.83)	12.76 (3.19-50.90)	9.28 (2.32-37.00)	8.41 (2.11-33.5)
>20%	1.95 (1.60-2.38)	1.67 (1.36-2.04)	1.45 (1.20-1.75)	18.42 (4.59-73.95)	10.71 (2.66-43.10)	9.32 (2.32-37.4)
Population Attributable Fraction	0.40 (0.27-0.50)	0.35 (0.21-0.46)	0.30 (0.17-0.42)	0.91 (0.62-0.98)	0.87 (0.49-0.97)	0.86 (0.46-0.97)

^a Model 1: adjusted for age, sex, race/ethnicity
^b Model 2: Model 1 + urbanicity
^c Model 3: Model 2 + statewide gun prevalence