CHALLENGING THE INEVITABILITY OF SUICIDE

THE EFFECT OF GUN REGULATION ON OVERALL SUICIDE RATES AND PORTFOLIO OF PREVENTATIVE MEASURES

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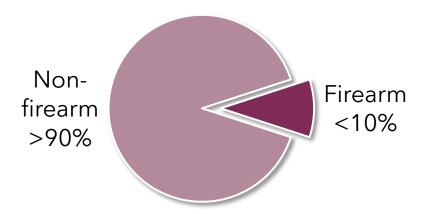
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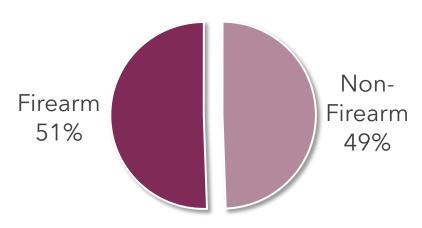
THE BURDEN OF FIREARM SUICIDES

Burden of Firearm Suicides

Est. Suicide Attempts



Suicide Fatalities

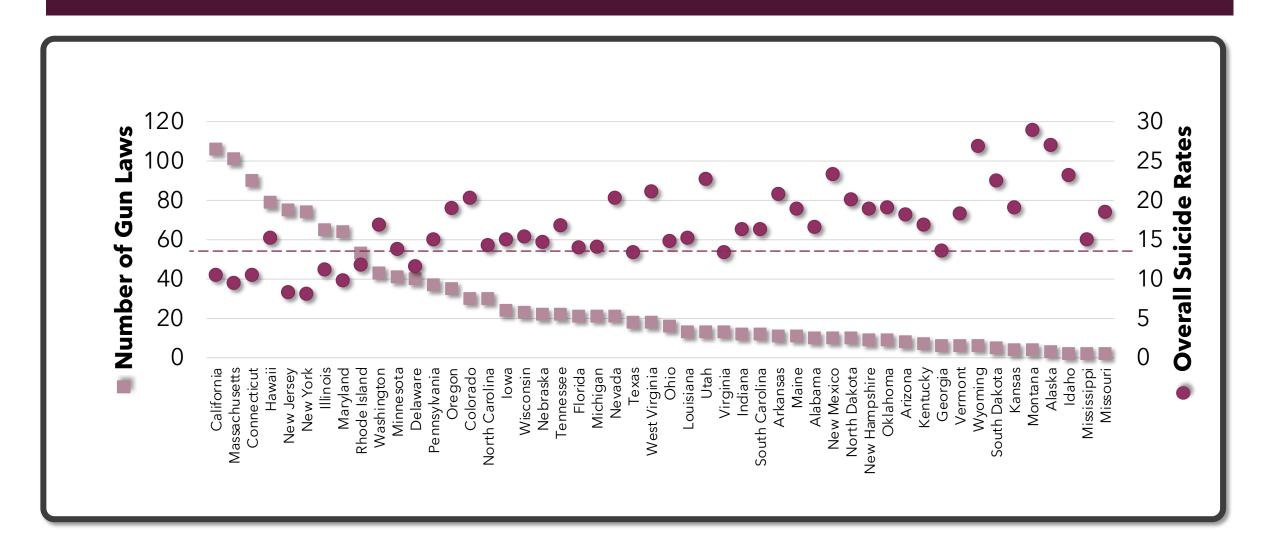


Est. number of suicide attempts in 2017 = 1.4m

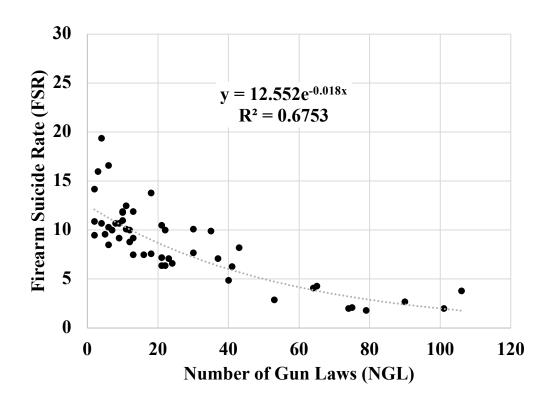
Number of suicides in 2017 = 47,173

❖ The vast majority of suicide attempts are committed using non-firearm methods (e.g., suffocation, poisoning, cutting etc.); **only about 10% of attempters use a gun**. However, firearm-suicides account for over half of all suicide fatalities—nearly 24,000 lives in 2017.

GUN LAWS AND SUICIDE RATES ACROSS THE UNITED STATES

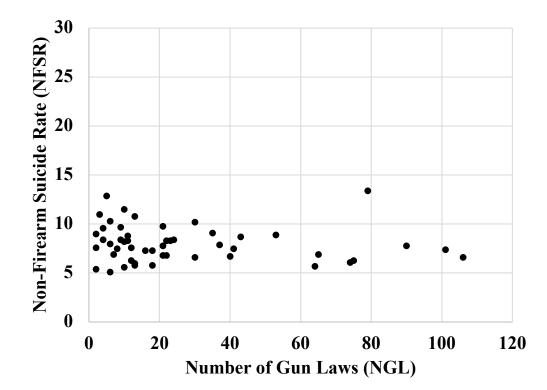


FIREARM SUICIDE RATES AND NUMBER OF GUN LAWS



		ı			No. o	f Obs.	= 50
_	Source	SS	dof	MS	F(1,48)		= 171.20
	Model	12.434	1	12.434	Prob > F R-squared		= 0.0000
_	Residual	3.4860	48	0.0726			= 0.7810
	Total	15.920	49	0.3249	Root MSE		= 0.26949
2	$\ln(\widehat{FSR})$	Coef.	Std. Err.	t	P > t	[95% Con	f. Interval]
	\widehat{b}	-0.0184	0.0014	-13.08	0.000	-0.0212	-0.0156
_	ln(â)	2.5299	0.0539	46.93	0.000	0.0291	2.6382

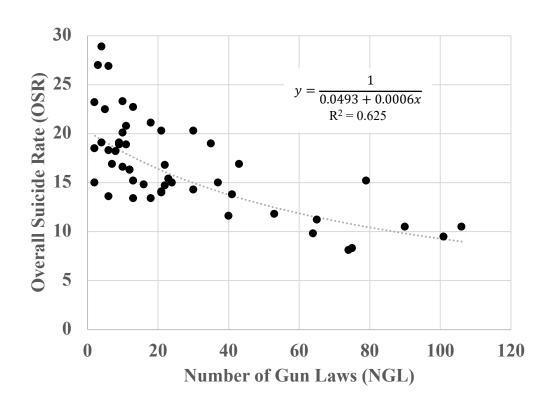
NON-FIREARM SUICIDE RATES AND NUMBER OF GUN LAWS



	r			No. of Obs.		= 50
Source	SS	dof	MS	F(1,48) Prob > F R-squared		= 0.65
Model	2.2609	1	2.2609			= 0.4230
Residual	166.18	48	3.4622			= 0.0134
Total	168.45	49	3.4377	Root MSE		= 1.8607
NFSR	Coef.	Std. Err.	t	P > t	[95% Conf. Interval]	
\widehat{b}	-0.0078	0.0097	-0.081	0.423	-0.0273	0.0117
â	8.2347	0.3722	22.12	0.000	7.4864	8.9830
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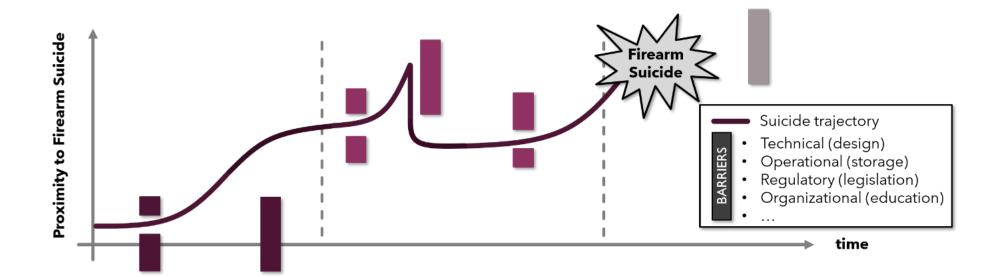
OVERALL SUICIDE RATES AND NUMBER OF GUN LAWS





â	0.0493	0.0025	19.68	0.000	0.0443	0.0543
\hat{b}	0.0006	0.0001	8.94	0.000	0.0005	0.0007
1/OSR	Coef.	Std. Err.	t	P > t	[95% Cor	nf. Interval]
Total	0.0201	49	0.0004	Root MSE		= 0.01252
Residual	0.0075	48	0.0002	_ F(1,48) Prob > F _ R-squared		= 0.6250
Model	0.0125	1	0.0125			= 0.0000
Source	SS	dof	MS			= 79.99
Ĭ	1			No. o	f Obs.	= 50

DEFENSE-IN-DEPTH AGAINST FIREARM SUICIDES



Prevention functions

Prevent the suicide sequence from initiating

- Mental health screening
- Prohibitions for high-risk gun possession
- Emotional-/self-awareness

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Blocking functions

Block escalation of suicide sequence

- Secure gun storage
- Authorized user identification
- Suicide support lifelines
- ...

Mitigation functions

Mitigate the consequences of suicide

- Reducing the lethality of the firearm
- Support for victim's friends and family
- ...

THANK YOU