



Gun Violence Incidents and Mass Shootings in the US

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Data Sources



Gun Violence Archive

Compiling information on all
gun violence incidents in the
US from 2013-2018



MotherJones

Mass shooting incidents in the
US from years 1982-2019



RAND Corporation

Information on gun ownership
and firearm suicide rate
estimates for each US state
from 1980-2016



2. List all the types of weapons used during gun violence incidents in 2016 ordered by most commonly used to least.

Gun Type Used in Gun Violence Incidents 2016

Gun Type	
0::Handgun	1,637
0::9mm	320
0::Shotgun	298
0::Rifle	217
0::22 LR	195
0::40 SW	166
0::Handgun 1::Handgun	143
0::45 Auto	119
0::38 Spl	96
0::380 Auto	77
0::12 gauge	63
0::223 Rem [AR-15]	55
0::357 Mag	45
0::Handgun 1::Unknown	43
0::7.62 [AK-47]	39
0::Other	31
0::Handgun 1::Shotgun	28
0::Handgun 1::Rifle	24
0::32 Auto	23
0::Handgun 1::Handgun 2::Handgun	20
0::25 Auto	20
0::Rifle 1::Handgun	16
0::Shotgun 1::Handgun	11
0::20 gauge	11
0::44 Mag	10
0::Shotgun 1::Unknown	7
0::30-30 Win	7
0::Handgun 1::Handgun 2::Shotgun	6
0::Handgun 1::7.62 [AK-47]	6
0::9mm 1::40 SW	6
0::30-06 Spr	6
0::Shotgun 1::Shotgun	5
0::Handgun 1::Handgun 2::Unknown	5

Most Common: Hand Gun

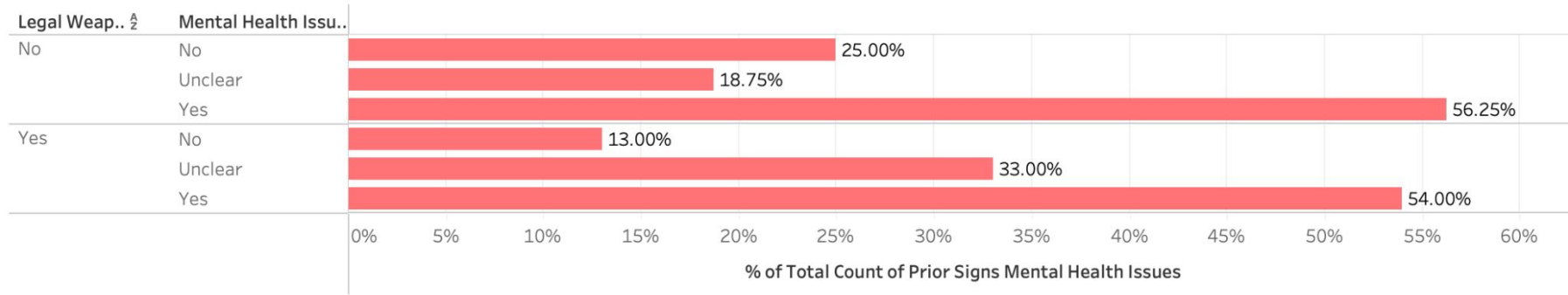
Least Common: 16 Gauge
shotgun (primarily for upland
hunting)

3. Of the mass shooting incidents where the weapon was not obtained legally, how many of them involved a shooter with prior signs of mental illness?

NumofShooters

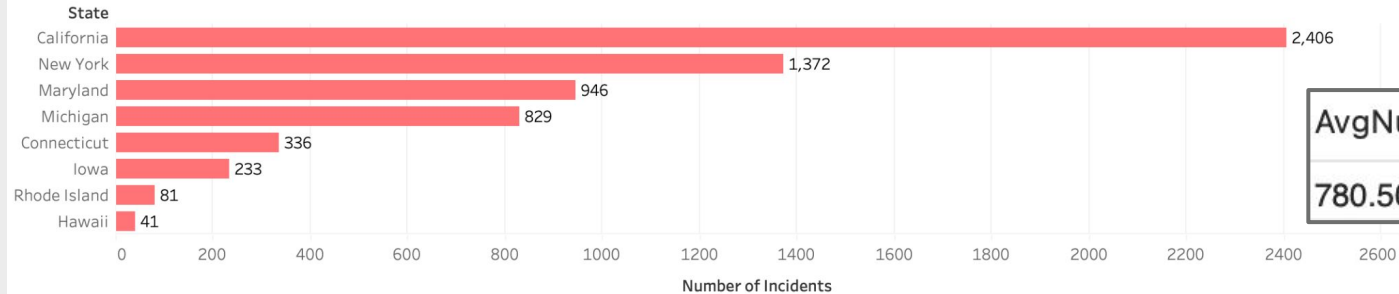
10

Weapons Obtained Legally and Mental Health Issues

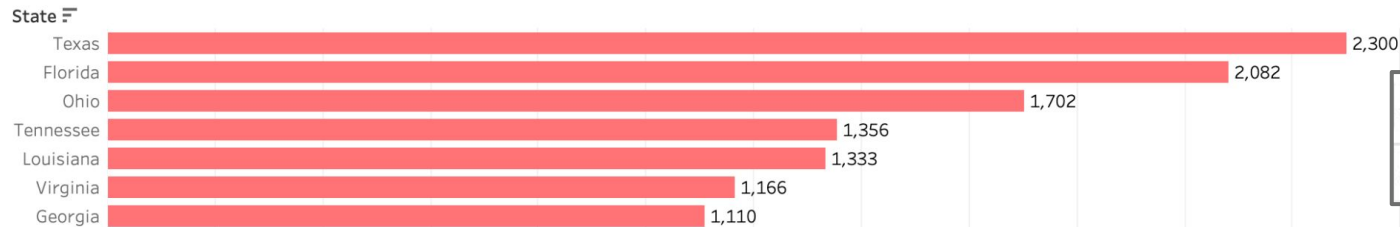


4. What is the average number of gun violence incidents among the states that require both a permit and universal background check to own a firearm in 2016?

Number of Gun Violence Incidents in States that Require a Permit and BG Check in 2016



Number of Gun Violence Incidents in States that Do Not Require a Permit and BG Check in 2016



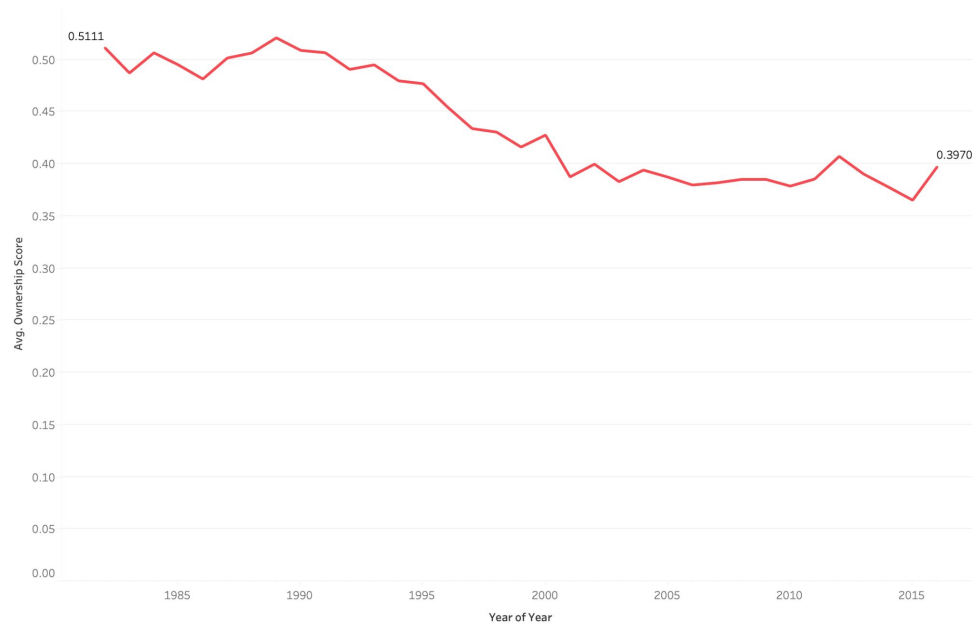
5. Which news source reported the most gun violence incidents in 2016? Which news source reported the least?

source	NumofIncidents
chicago.suntimes.com	1845
www.dnainfo.com	1316
www.nola.com	511
www.baltimoresun.com	503
www.nj.com	423
www.wmcactionnews5.com	421
www.cleveland.com	371

source	NumofIncidents
hispanicnewsnetwork.blogspot.com	1
utv44.com	1
virginiacitynews.com	1
kimatv.com	1
www.foxsanantonio.com	1
m.wtoc.com	1
oaklandcounty115.com	1
montgomerycountypolicereporter.com	1
winningdemocrats.com	1
www.abc22now.com	1
www.hendersondailynews.com	1
www.alaskapublic.org	1
oxfordcitizen.com	1
m.wbrc.com	1
m.wmur.com	1
www.gillette newsrecord.com	1

6. List the state and the gun ownership score for the states with the most mass shootings for each year from 1982-2016.

Average Firearm Ownership Score From 1982-2016

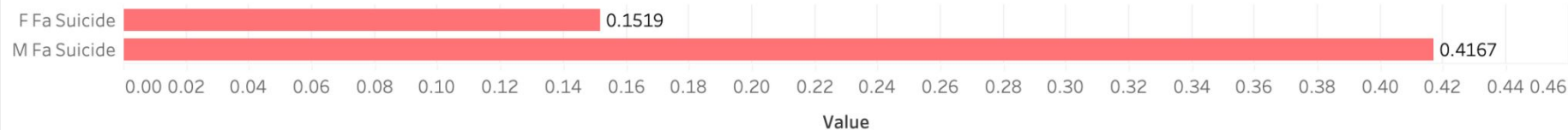


year	state	ownership_score	year	state	ownership_score
1982	Florida	0.423	2011	California	0.160
1984	Texas	0.545	2012	Georgia	0.401
1984	California	0.405	2012	California	0.214
1986	Oklahoma	0.596	2012	Washington	0.339
1987	Florida	0.426	2012	Colorado	0.414
1988	California	0.396	2012	Wisconsin	0.440
1989	California	0.417	2012	Minnesota	0.382
1989	Kentucky	0.595	2012	Connecticut	0.183
1990	Florida	0.411	2013	New York	0.124
1991	Texas	0.514	2013	Washington	0.344
1991	Iowa	0.500	2013	California	0.155
1991	Michigan	0.490	2013	Florida	0.279
1992	California	0.402	2014	California	0.183
1992	New York	0.256	2015	Colorado	0.369
1993	California	0.386	2016	Michigan	0.389
1993	North Carolina	0.573	2016	Kansas	0.423
1993	New York	0.262	2016	Florida	0.288
1993	Colorado	0.480	2016	Texas	0.355
1994	Washington	0.457	2016	Washington	0.321
1995	Texas	0.488			
1996	Florida	0.364			
1997	South Carolina	0.521			

7. What is the average proportion of male suicides that resulted from a firearm in the state with the most gun violence incidents during 2016?

state	prop_male_suicide_firearm
Illinois	0.4167

Female Firearm Suicides vs Male Firearm Suicides in Illinois



8. Of all the gun violence incidents where the shooter was related to the victim(s), how old was the shooter? What is the average age?

incident_id	date	state	incident_characteristics	shooter_age	AvgAge
476609	1/1/16	California	Shot - Dead (murder, accidental, suicide)II Dome...	41	38.6424
476661	1/1/16	Wisconsin	Shot - Dead (murder, accidental, suicide)II Suicid...	27	38.6424
476963	1/1/16	Missouri	Shot - Dead (murder, accidental, suicide)II Dome...	21	38.6424
477442	1/2/16	North Carolina	Shot - Dead (murder, accidental, suicide)II Dome...	40	38.6424
477547	1/1/16	North Carolina	Shot - Wounded/InjuredIIDomestic Violence	37	38.6424
477602	1/2/16	Oklahoma	Shot - Wounded/InjuredIIShot - Dead (murder, a...	59	38.6424
477623	1/2/16	Indiana	Shot - Dead (murder, accidental, suicide)II Suicid...	49	38.6424
477816	1/2/16	Indiana	Shot - Wounded/InjuredIIShot - Dead (murder, a...	40	38.6424
477825	1/1/16	New York	Non-Shooting IncidentIIGang involvementIIDom...	24	38.6424
477838	1/1/16	Pennsylvania	Shot - Dead (murder, accidental, suicide)II Dome...	46	38.6424
477936	1/2/16	California	Shot - Wounded/InjuredIINon-Aggression Incide...	NULL	38.6424
478240	1/4/16	Nebraska	Shot - Dead (murder, accidental, suicide)II Arme...	22	38.6424
478761	1/3/16	Texas	Shot - Wounded/InjuredIIDomestic Violence	34	38.6424
479017	1/4/16	Florida	Shot - Wounded/Injured	NULL	38.6424
479022	1/5/16	Alabama	Shot - Wounded/InjuredIIShot - Dead (murder, a...	19	38.6424
479057	1/5/16	New York	Shot - Wounded/InjuredIIDomestic Violence	32	38.6424
479359	1/4/16	Colorado	Shot - Dead (murder, accidental, suicide)II Accid...	8	38.6424
480173	1/6/16	Georgia	Shot - Dead (murder, accidental, suicide)II Suicid...	2	38.6424
480219	1/6/16	Michigan	Shot - Dead (murder, accidental, suicide)II Dome...	53	38.6424
480284	1/6/16	Texas	Shot - Dead (murder, accidental, suicide)II Suicid...	49	38.6424
480324	1/6/16	Michigan	Shot - Wounded/InjuredIIOfficer Involved Incide...	NULL	38.6424
480484	1/5/16	Mississippi	Shot - Dead (murder, accidental, suicide)II Non-...	20	38.6424
480517	1/4/16	Arkansas	Shot - Dead (murder, accidental, suicide)	29	38.6424
480688	1/5/16	Arizona	Shot - Dead (murder, accidental, suicide)II Dome...	30	38.6424

**Thank You
For Listening!**

