



School of
Education

Addressing Public Policy Questions with Fragmented Data

(an interactive workshop)

Presented by:

Kenneth Alonzo Anderson

Associate Dean for Research and
Sponsored Programs

May 21, 2019



School of
Education

Does Increased Policing Improve Safety Outcomes in the Middle Grades?

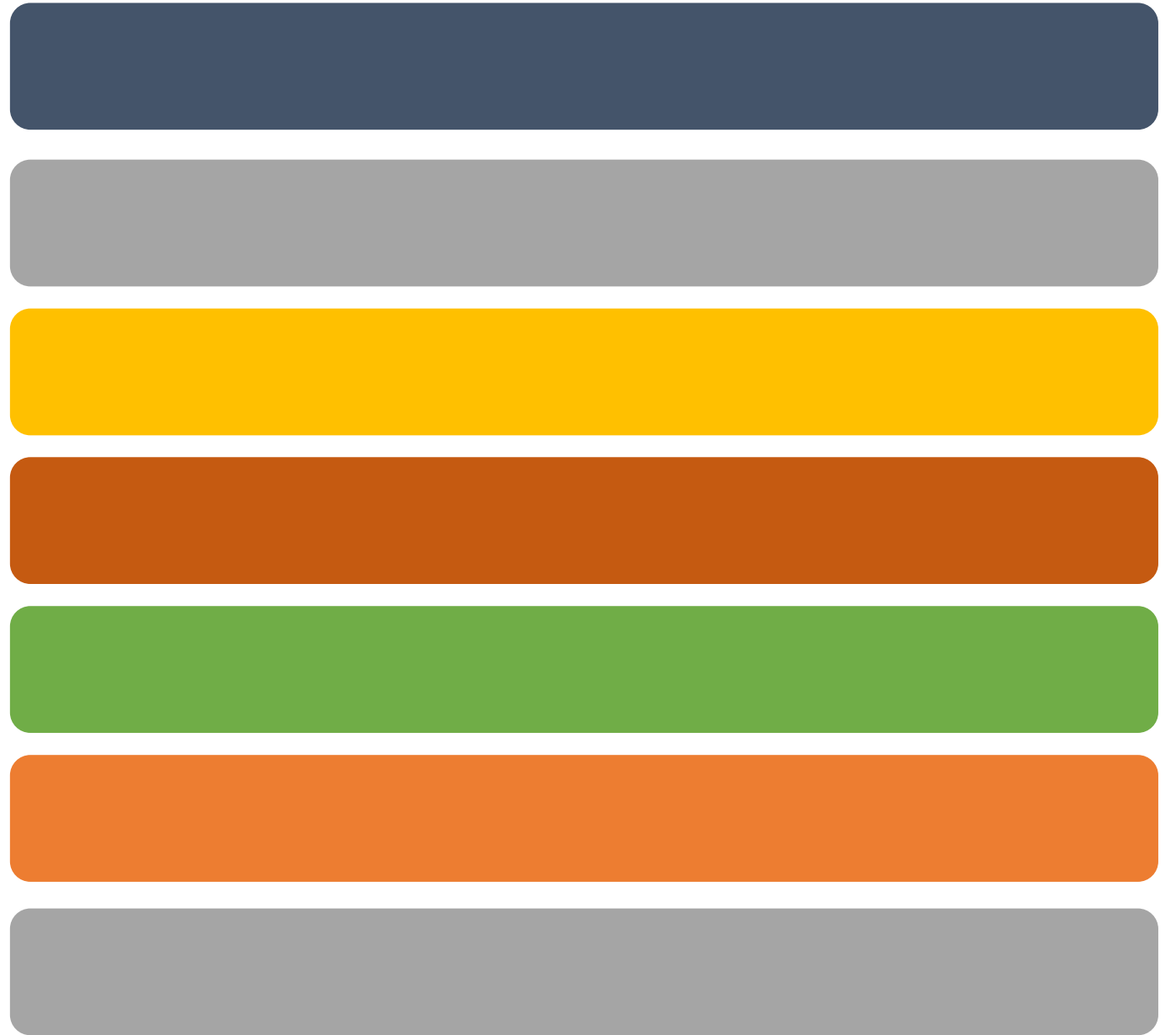
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What do I need
to know
to answer this
question?
(fill in the blanks)



Seven horizontal bars of varying colors (dark blue, grey, yellow, orange, green, orange, grey) intended for filling in answers to the question.

What do I
need to know
to answer this
question?

History of SROs

Review of Literature

Are There any Key Policies?

What Data Are Available?

What Data Are Missing?

Who is my target audience?

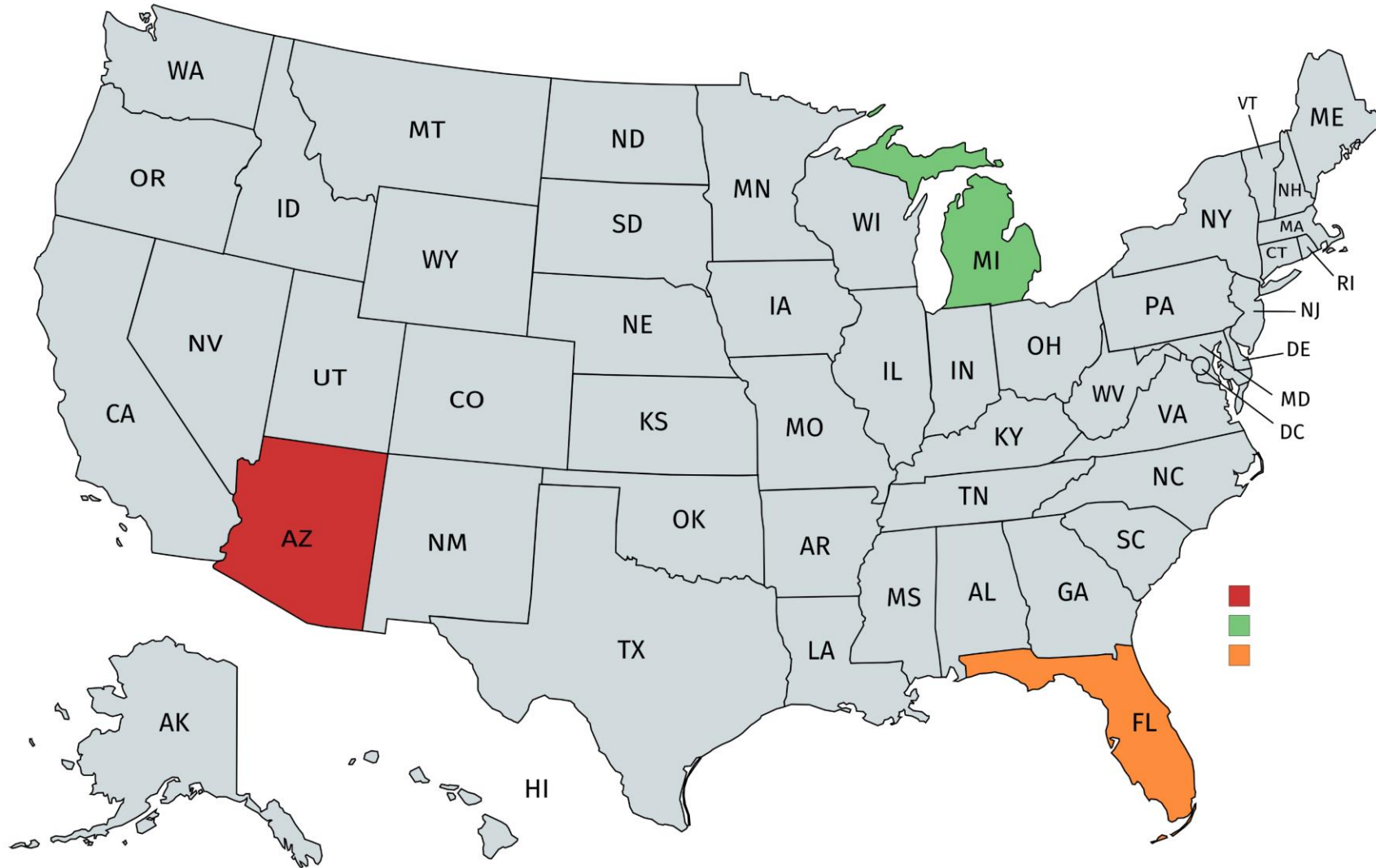
What Should I Do?



Brief History

How did the School Resource Officer Program
Begin in the United States?

Three Key States



Five Key Periods

Prior to the 1950s

1950s

1960s

1970s

1990s-present

Prior to 1950s

Interactions (b/t law enforcement and schools) were usually informal

Often by request

1950s

The first SRO program was created in Flint, MI

Goal: Improve relationships between local police and youth

Survey data has supported the program for decades

1960s

1963 – SROs of today can be traced back to Tuscon, AZ (some argue FL)

Officer Kendall Bedient persuaded Chief Bernard Garmire in AZ to start an SRO program in a junior high school

Arizona Daily Star – April 1984

84

The Arizona Daily Star

City's first school resource officer, retired police Lt. Bedient, dies at 52

By Ernie Heltsley
The Arizona Daily Star

Funeral services for Kendall C. Bedient, the first police officer to go into Tucson schools to prevent juvenile delinquency, will be held at 11 a.m. tomorrow at Adair Funeral Home chapel, 1050 N. Dodge Blvd.

Bedient, 52, died Friday at Veterans Hospital, apparently of a longtime heart ailment, his wife, Lorna, said yesterday.

Bedient was born in Albion, Mich., graduated from Michigan State University and served in the Navy during the Korean War.

He joined the Tucson Police Department in 1960 and rose to the rank of lieutenant before retiring for medical reasons in 1976.

Until his death, he was a security-training coordinator for the Scottsdale-based Tatt Companies.

In 1963, Bedient became Tucson's first school resource officer in an experimental program that later became permanent.

Working out of Mansfeld Junior High School and five "feeder" elementary schools, he carried out the program that was designed to prevent juvenile delinquency.

Seldom wearing a uniform, he spoke in classes about crime and law enforcement, and he made himself available to listen to students, many of whom had never spoken with a police officer before.

In the program's first year, it was credited with reducing the number of referrals to Pima County Juvenile Court authorities by 25 percent.

"Ken was well-educated, and had a personality that I thought would fit with the faculty, students and other interested groups," former Police Chief Bernard L. Garmire said yesterday.

"He was an exemplary officer who performed his duties as a school resource officer very well."

Bedient headed the Police Department's communications division before transferring to the uniform division in 1975.

Besides his wife, he is survived by his sons, Cameron of Phoenix and Kenneth Scott of Tucson; a daughter, Laura Muñoz, of Tucson; his mother, Elizabeth, of Tucson; a brother, Blair, of Michigan; and four grandchildren.

Before the services tomorrow, friends may visit from 5 to 7 p.m. today at the funeral home.

1970s

Special legislation authorized sworn officers to carry out all law enforcement activities in schools

Marked the rise of school district police departments (i.e. Palm Beach, Miami-Dade)

1990s-present

The Violent Crime Control and Law Enforcement Act of 1994

Allowed Department of Justice to create the C.O.P.S. program

Marked another rise in the prevalence of SROs



Are SRO programs
effective?

Literature Review

SROs have made positive contributions (often supported by survey data and anecdotes)

Inappropriate SRO behavior is also widely evident (viral videos, lawsuits, etc.)

Positive effects of C.O.P.S. program in municipalities; negative effects in schools, especially for Black students

Longitudinal research is limited, often very unsystematic, and conducted internally

Approaches

*Applications for
Data*

Brute Force



Current Study “Brute-force Approach”

Phase I & Phase II

Simple Advice

Know where to look!

Always follow the money!

Read

Read

Read

Read

Read

Headlines...Headlines...Headlines



NEWS ▾ WEATHER ▾ SPORTS ▾ COMMUNITY ▾ VIDEO ▾ TV ▾ CONTESTS ▾ SAVINGS ▾ ABOUT US ▾ LIVESTREAM



Home > News > Associated Press > School safety bill passes NC House

NEWS ASSOCIATED PRESS CAROLINAS NC

SCHOOL SAFETY BILL PASSES NC HOUSE

By **WWAY News** - June 4, 2018 11:11 PM

0

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LATEST NEWS



LIFE AFTER ADDICTION: TIDES PROGRAM AIMS TO HELP WOMEN OVERCOME OPIOID...

May 21, 2019 6:30 AM



WOUNDED WARRIOR CHASING A DREAM ON THE LINKS

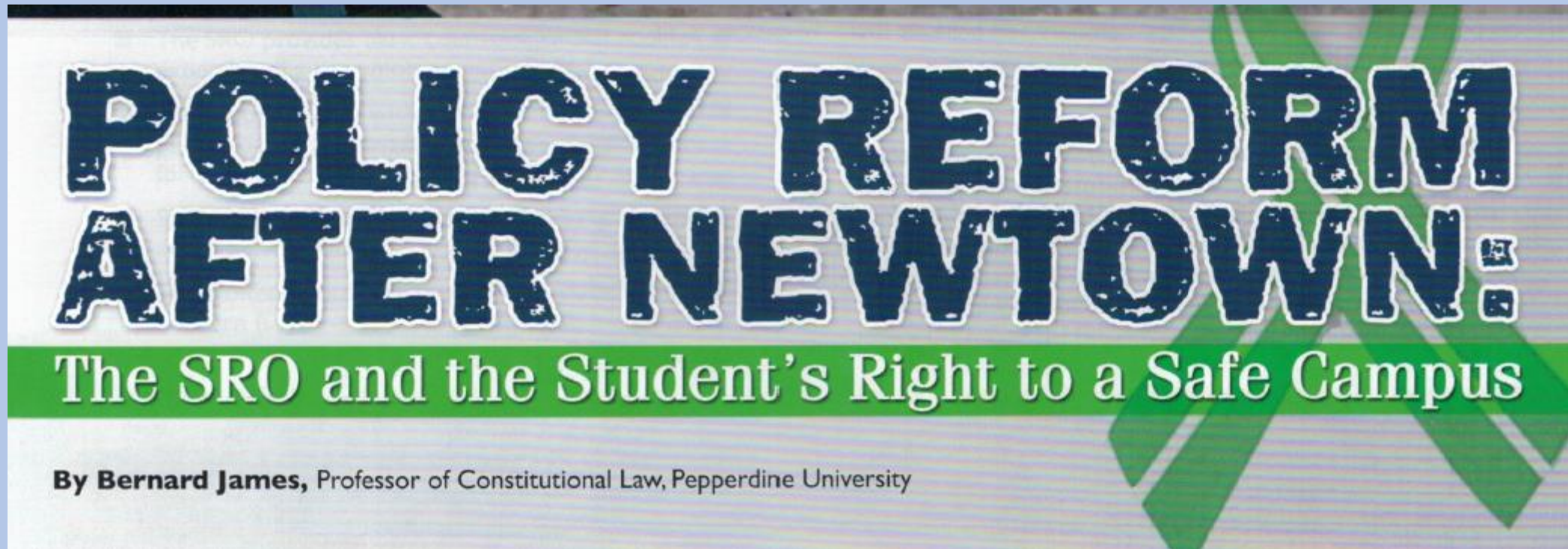
May 21, 2019 12:54 AM



TOWN LAUNCHES BUY-A-BRICK FUNDRAISER TO AID IN MEMORIAL CONSTRUCTION

May 20, 2019 10:39 PM

Policy Summaries



Note: Education Commission of the States is a great website for policy summaries.

www.ecs.org

Policy Summaries

North Carolina: North Carolina lawmakers have unveiled bipartisan school safety legislation designed to add more law enforcement officers in elementary and middle schools, more school psychologists and social workers, and install panic alarms in every classroom. House Bill 452 provides funding for local school districts to add school resource officers and support staff, including school counselors, social workers and psychologists. The bill also requires school districts to take specific steps to respond effectively to a future crisis.

Ohio: The Ohio legislature introduced Senate Bill 42, which would allow school districts to use a property tax levy exclusively to pay for the cost of implementing school resource officer programs.

School Buildings” Act that allocates \$475 million on school construction over the next two years, with \$10 million of it going to make schools safer.

Wyoming: House Bill 230 allocates \$2.3 million to help districts hire police officers and fund a task force to develop uniform school safety and security plans. The bill outlines the goals of the task force, which includes working to create training programs for teachers and faculty that would focus on addressing risky behaviors and creating emergency plans.

STATE POLICY REFORM - EDUCATOR SELF-PROTECTION

Alaska: Alaska legislature considering House Bill 55 that would allow

would require an employee in every public or charter school to carry a loaded gun during school hours. The legislation would mandate the creation of a protection officer for each school. With proper training, those officers could be principals, teachers, staff members, police officers or security guards. Indiana could become the first state in the nation to require an employee in every public or charter school to carry a loaded gun during school hours.

Missouri: The Missouri House of Representatives has two competing school safety proposals. House Bill 70 would allow any teacher or school administrator to possess firearms on school grounds. House Bill 276 would create a volunteer “school protection officer” program.

Where are State Policies Housed?

The screenshot displays the official website of the North Carolina General Assembly. At the top, the browser address bar shows the URL <https://ncleg.gov>. The main header features the state seal and the text "NORTH CAROLINA GENERAL ASSEMBLY". Below this is a navigation menu with links for HOUSE, SENATE, AUDIO, CALENDARS, COMMITTEES, BILLS & LAWS, DIVISIONS, DISTRICT REPRESENTATION, and ABOUT. A search bar is located on the right side of the header, with a "GO" button. The main content area is divided into three sections. On the left, under the heading "NEWS & INFORMATION", there is a list of recent news items, including "2019 Non-Revenue and Non-Appropriations Bills Crossover List", "2019 Budget", "Vertical Obstruction Impact on the NC Military Mission interactive map", "Governor's Veto of S.B. 359 - Born-Alive Abortion Survivors Protection Act", "2017-2018 Legislation with Effective Dates of July 1, 2018 through January 1, 2019", and "2018 Budget Information (Senate Bill 99 Bill Status History)". In the center, there is a section for the "HOUSE" chamber, which includes a photograph of the chamber interior, the text "HOUSE", and the announcement "Convenes Tue, 5/21/19 at 2:00 p.m.". Below this are links for "Calendar", "Chamber Dashboard", "Audio", "Bills with House action by day", and "House bills filed by day". On the right, there is a section for the "SENATE" chamber, which includes a photograph of the chamber interior, the text "SENATE", and the announcement "Convenes Tue, 5/21/19 at 9:30 a.m.". Below this are links for "Calendar", "Chamber Dashboard", "Audio", "Bills with Senate action by day", and "Senate bills filed by day".

https://ncleg.gov

Find a Bill 2019-2020 Session Bill # (Ex: H1 or S1) GO

HOUSE SENATE AUDIO CALENDARS COMMITTEES BILLS & LAWS DIVISIONS DISTRICT REPRESENTATION ABOUT

NEWS & INFORMATION

- 2019 Non-Revenue and Non-Appropriations Bills Crossover List
- 2019 Budget >
- Vertical Obstruction Impact on the NC Military Mission interactive map
- Governor's Veto of S.B. 359 - Born-Alive Abortion Survivors Protection Act >
- 2017-2018 Legislation with Effective Dates of July 1, 2018 through January 1, 2019
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HOUSE

Convenes Tue, 5/21/19 at 2:00 p.m.

- Calendar
- Chamber Dashboard Audio
- Bills with House action by day
- House bills filed by day

SENATE

Convenes Tue, 5/21/19 at 9:30 a.m.

- Calendar
- Chamber Dashboard Audio
- Bills with Senate action by day
- Senate bills filed by day

Where are Federal Policies Housed?

CONGRESS.GOV Advanced Searches | Browse

Search Tools | Support ▾ | Sign In ▾

Legislation | Congressional Record | Committees | Members

Current Legislation ▾ Examples: hr5, sres9, "health care"

MORE OPTIONS ▾

Most-Viewed Bills | [Top 10](#)

[H.R.5](#) [116th] Equality Act

[H.R.1044](#) [116th] Fairness for High-Skilled Immigrants Act of 2019

[116th] Vaccinate All Children Act of 2019

Bill Searches and Lists

By Sponsor: [House](#) | [Senate](#)

[Introduced](#) | [Active Legislation](#) (Senate.gov)

[Public Laws](#) | [U.S. Code](#)

[Appropriations](#)

Current Legislative Activities
116th Congress (2019-2020)

House of Representatives

Not in Session Video Archive

Next Meeting: May 21, 2019 at 10:00 a.m.

Previous Meeting: [May 20, 2019](#)

House Links

[House Floor Activities](#)

[Committee Hearings Video](#) LIVE

[Communications to the House](#)

[Bills to be Considered](#)

Senate

Not in Session Video Archive

Next Meeting: May 21, 2019 at 10:00 a.m.

Previous Meeting: [May 20, 2019](#)

Senate Links

[On the Senate Floor](#)

[Communications to the Senate](#)

[Nominations](#)

[Treaty Documents](#)

Recent

[Yesterday in Congress](#)

[Bill Texts](#)

[Committee Schedule](#)

[Calendars and Schedules](#)

[Committee Reports](#)

[Roll Call Votes](#)

[Presented to President](#)

The Congressional Record

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Contact Your Member

Contact by email and telephone.

[Representatives >](#) [Senators >](#)

News from the Law Library

Current Legislative Activities
116th Congress (2019-2020)

House of Representatives

In Session Live Video

Today: May 2, 2019
The House convened at 9:00 a.m.
On the Floor Today

- [H.R.9](#)

Previous Meeting: [May 1, 2019](#)

Senate

In Session Live Video

Today: May 2, 2019
The Senate convened at 9:30 a.m.
On the Floor Today

- [PN257](#)
- [PN250](#)
- [PN212](#)

Where are the money records?

PUBLIC SCHOOLS OF NORTH CAROLINA | State Board of Education | Department of Public Instruction

FINANCIAL & BUSINESS SERVICES

E-RATE NUTRITION CHARTERS GET UPDATES QUICK LINKS

- FBS HOME
- SCHOOL FINANCE
- BUDGET & LEGISLATION**
 - Budget & Financial
 - Legislation & Policy
- ALLOTMENTS
- STUDENT ACCOUNTING
- CHARTER SCHOOLS FINANCIAL OPERATIONS
- RESOURCES

BUDGET & LEGISLATION

BUDGET & FINANCIAL

FY 2019-20 Budget Information

- Proposed Budgets Comparison ([xlsx, 109kb](#)) LAST UPDATED: MAY 2, 2019
- House Budget Summary ([pdf, 175kb](#)) LAST UPDATED: MAY 3, 2019

FY 2018-19 Budget Information

Summary of Bonuses 2018-19

([pdf, 109kb](#)) LAST UPDATED: DECEMBER 6, 2018

- Teacher Bonuses

What do the records show???.

lea
Alamance-Burlington Schools
Alexander County Schools
Alleghany County Schools
Anson County Schools
Ashe County Schools
Avery County Schools
Beaufort County Schools
Bertie County Schools
Bladen County Schools
Brunswick County Schools
Buncombe County Schools
Asheville City Schools
Burke County Schools

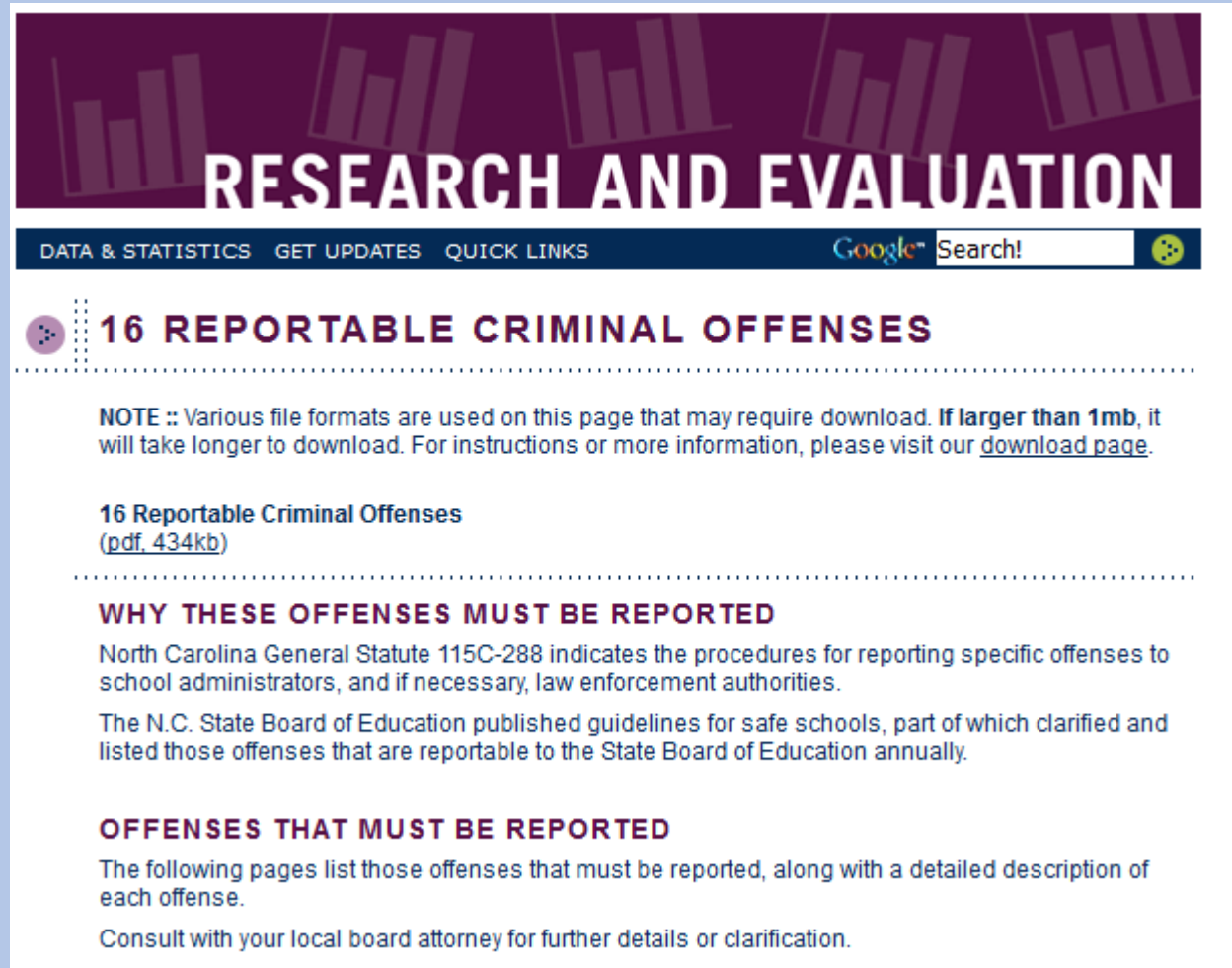
AC	AD	AE	AF	AG	AH	AI	AJ
prc31	prc32	prc34	prc39	prc41	prc42	prc43	prc54
4438181	10437572	1121971	61075	0	362712.2	326628	2041713
1706280	2745457	0	0	11064	0	0	0
0	785858	69288	0	3216	0	0	92886
2138127	2064212	181881	0	1378.49	138846.2	353657.4	64966.44
0	1731261	158373	0	6499.12	0	0	102264
0	1104072	107605.5	13751.63	7487	0	0	99695.69
1172528	3651818	348915	0	3445	0	0	313521
1714281	1550936	146307.7	0	0	153596.7	161811.2	41043.29
1983838	2201694	242518.8	0	3900	0	0	237369
0	5419264	626264	379653	0	0	0	285866
0	12970897	1275494	215600	24357	0	0	1141610
0	2100638	42138	0	3920	0	0	0
4955519	6752478	638440	208000	25378.27	0	0	730301

What do the records show???.....Priorities

lea
Alamance-Burlington Schools
Alexander County Schools
Alleghany County Schools
Anson County Schools
Ashe County Schools
Avery County Schools
Beaufort County Schools
Bertie County Schools
Bladen County Schools
Brunswick County Schools
Buncombe County Schools
Asheville City Schools
Burke County Schools

AC	AD	AE	AF	AG	AH	AI	AJ
prc31	prc32	prc34	prc39	prc41	prc42	prc43	prc54
4438181	10437572	1121971	61075	0	362712.2	326628	2041713
1706280	2745457	0	0	11064	0	0	0
0	785858	69288	0	3216	0	0	92886
2138127	2064212	181881	0	1378.49	138846.2	353657.4	64966.44
0	1731261	158373	0	6499.12	0	0	102264
0	1104072	107605.5	13751.63	7487	0	0	99695.69
1172528	3651818	348915	0	3445	0	0	313521
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0	2100638	42138	0	3920	0	0	0
4955519	6752478	638440	208000	25378.27	0	0	730301

What other relevant data are available?
Can I match key policies with these data?



RESEARCH AND EVALUATION

DATA & STATISTICS GET UPDATES QUICK LINKS

16 REPORTABLE CRIMINAL OFFENSES

NOTE :: Various file formats are used on this page that may require download. **If larger than 1mb**, it will take longer to download. For instructions or more information, please visit our [download page](#).

16 Reportable Criminal Offenses
(pdf, 434kb)

WHY THESE OFFENSES MUST BE REPORTED

North Carolina General Statute 115C-288 indicates the procedures for reporting specific offenses to school administrators, and if necessary, law enforcement authorities.

The N.C. State Board of Education published guidelines for safe schools, part of which clarified and listed those offenses that are reportable to the State Board of Education annually.

OFFENSES THAT MUST BE REPORTED

The following pages list those offenses that must be reported, along with a detailed description of each offense.

Consult with your local board attorney for further details or clarification.

Questions

1. What type of data are these?

2. How might they be distributed?



RESEARCH AND EVALUATION

DATA & STATISTICS GET UPDATES QUICK LINKS

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Answers

Count Data

Poisson Distribution



RESEARCH AND EVALUATION

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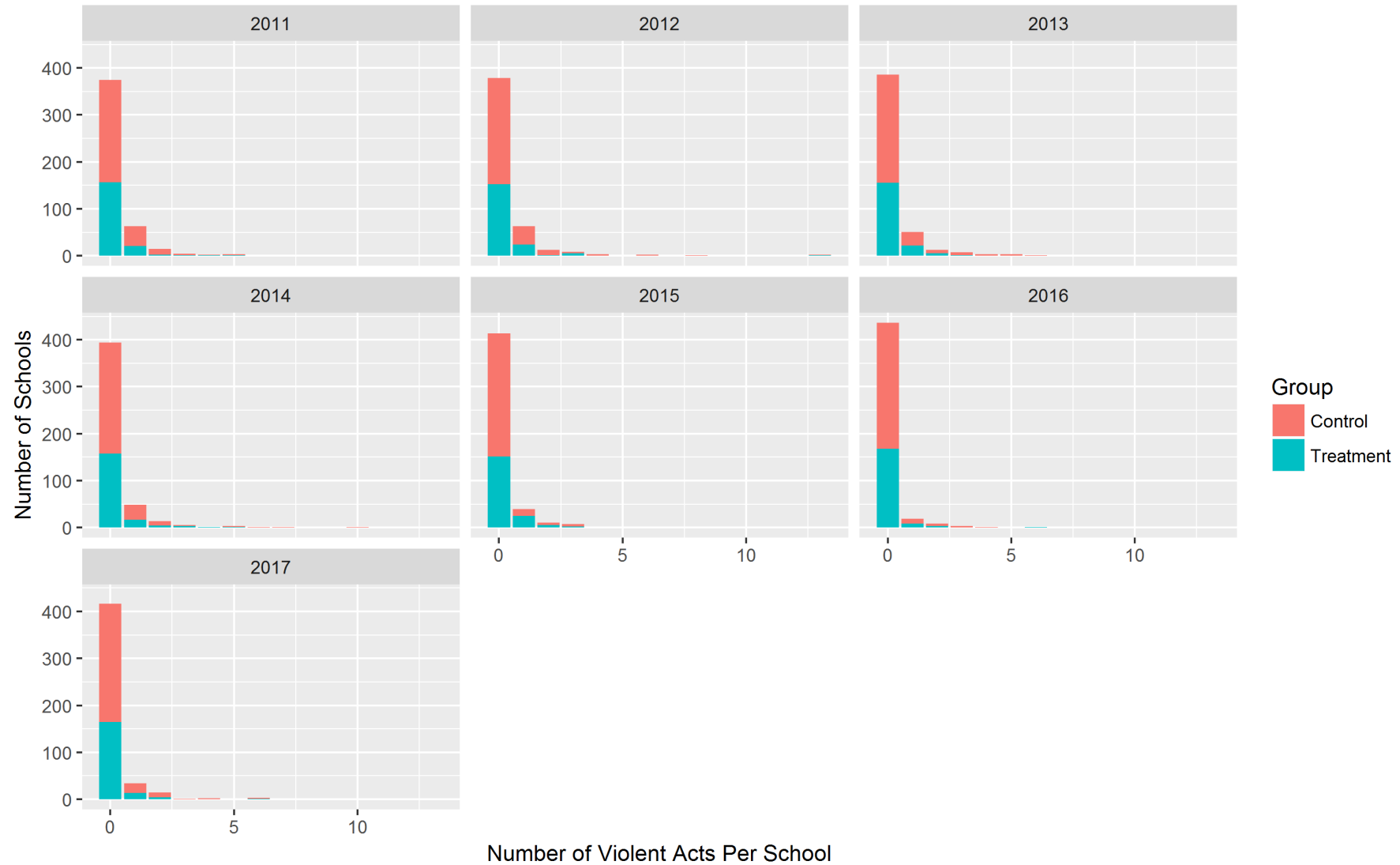
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Number of Violent Acts Per School



Policy

Senate Bill 402, Section 8.36 (North Carolina - 2013)

State provided matching grants to districts (\$2 for every \$1 for SROs and training)

Policy enacted in 2013

Phase I Research

Examined 16 disciplinary acts that must be reported to the state

460 middle schools – generalized difference-in-difference negative binomial hurdle models

Found no evidence that SRO grant reduced overall disciplinary acts

Reductions in school size and improvements in achievement were related to discipline decreases

Phase II Study

Re-examined state data set

Limited 2nd analysis to the 9 violent crimes (state statute)

Similar to Phase I, SRO grants were not related to reductions in violent crimes

Table 1: Count Model Regression Coefficients for Violent Acts in North Carolina Middle Schools (School Years 2010/11 - 2016/17) (*N* = 3,275)

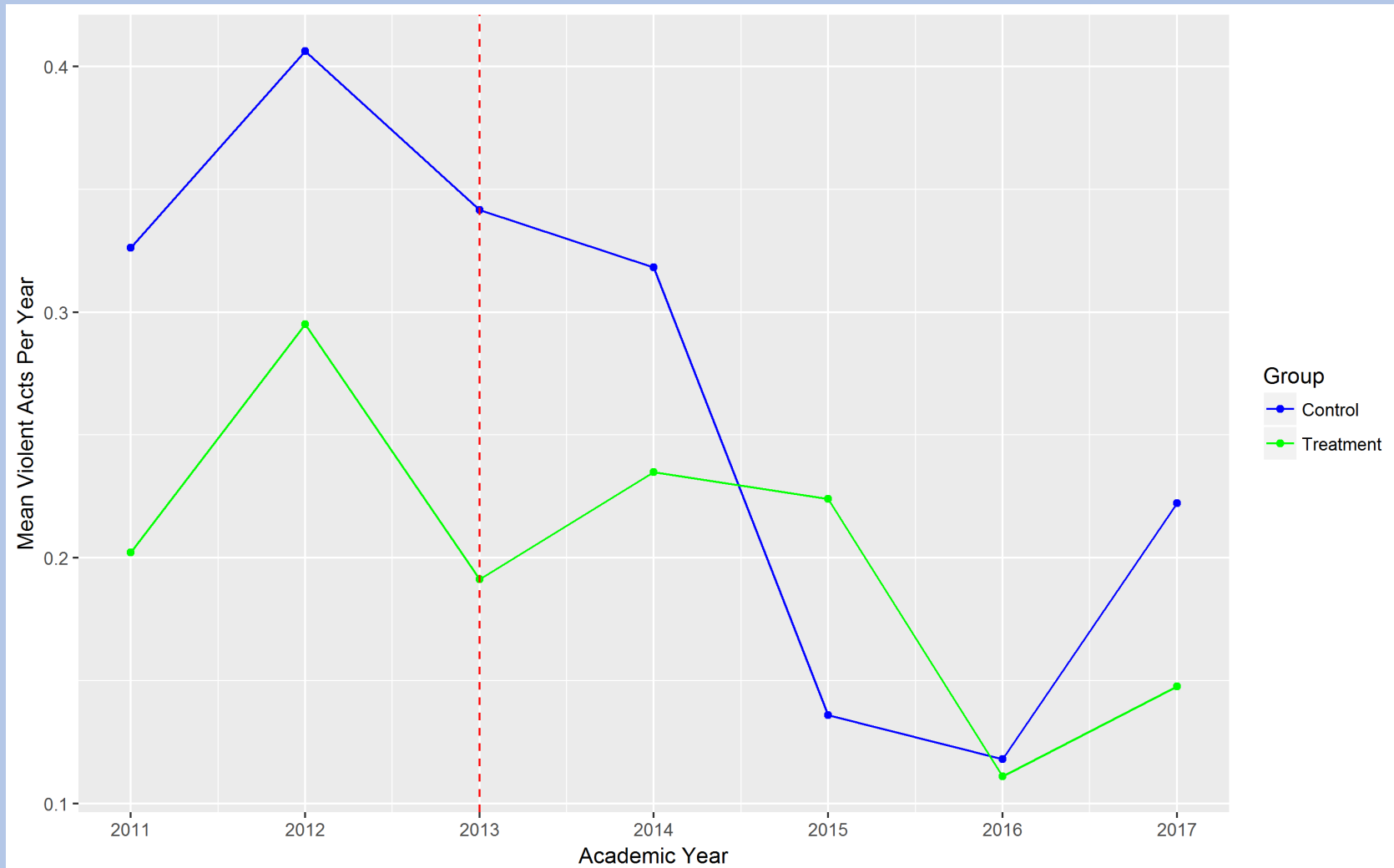
	Reported Violent Acts Per School Year				
	Poisson	Quasi-Poisson	ZINB	NB Hurdle1	NB Hurdle2
SY2011/12	-0.16	-0.16	-0.16	-0.63	-0.64
SY2012/13	-0.05	-0.05	-0.06	0.70	0.70
SY2013/14	-0.16	-0.16	0.02	0.59	0.73
SY2014/15	-0.96 ^{***}	-0.96 ^{**}	-0.18	0.65	0.43
SY2015/16	-1.03 ^{***}	-1.03 ^{**}	-0.24	0.40	0.30
SY2016/17	-0.43 ^{**}	-0.43	-0.08	0.60	0.63
District Received SRO Grant	0.02	0.02	0.29	0.68	
SRO Per Pup Exp					0.70
log(Enroll)	1.75 ^{***}	1.75 ^{***}	1.44 ^{***}	1.26 ^{***}	1.23 ^{***}
SES	0.01	0.01	-0.06 [*]	-0.01	-0.01
Cent(Ind. Pct.)	-0.04 [*]	-0.04	-0.10	-0.16	-0.16
Cent(Asian Pct.)	-0.04 [*]	-0.04	-0.11 [*]	-0.15	-0.15
Cent(Hisp. Pct.)	-0.01	-0.01	-0.09	-0.15	-0.14
Cent(Black Pct.)	-0.01	-0.01	-0.08	-0.15	-0.14
Cent(White Pct.)	-0.03	-0.03	-0.10 [*]	-0.17	-0.16
Cent(Pac. Is. Pct.)	0.49 ^{**}	0.49	0.23	0.65	0.76

Table 1: Count Model Regression Coefficients for Violent Acts in North Carolina Middle Schools (School Years 2010/11 - 2016/17) ($N = 3,275$)

	Reported Violent Acts Per School Year				
	Poisson	Quasi-Poisson	ZINB	NB Hurdle1	NB Hurdle2
SY2011/12 * SRO	-0.22	-0.22	-0.34	-0.41	
SY2012/13 * SRO	-0.02	-0.02	-0.03	-1.34	
SY2013/14 * SRO	0.29	0.29	0.16	-0.32	
SY2014/15 * SRO	1.09***	1.09*	0.73	-0.98	
SY2015/6 * SRO	0.53	0.53	0.39	0.62	
SY2017 * SRO	0.21	0.21	0.06	-0.19	
SY2012 * SRO PPE					-0.46
SY2013 * SRO PPE					-1.32
SY2014 * SRO PPE					-0.32
SY2015 * SRO PPE					-0.26
SY2016 * SRO PPE					-0.16
SY2017 * SRO PPE					-0.24
Constant	-12.57***	-12.57***	-10.43***	-11.02*	-10.57**
N	3,275	3,275	3,275	3,275	3,275
Log Likelihood	-1,942		-1,704	-1,710	-1,709
AIC	3,930				

* $p < .05$; ** $p < .01$; *** $p < .001$

Violent Acts



Recommendations

Conduct regular external evaluations of SRO programs

Consider air marshal model – (e.g. little to no interaction with students)

Let teachers and counselors build relationships

Study “safer” schools

Invest in education to increase school safety

Dissemination

Middle Grades Review

Volume 4 | Issue 2

Article 7

September 2018

Policing and Middle School: An Evaluation of a Statewide School Resource Officer Policy

Kenneth Alonzo Anderson

Howard University, kenneth.anderson@howard.edu

Dissemination

BROOKINGS

CITIES & REGIONS GLOBAL DEVELOPMENT INTERNATIONAL AFFAIRS U.S. ECO



BROWN CENTER CHALKBOARD

Does more policing make middle schools safer?

Kenneth Alonzo Anderson - Thursday, November 8, 2018

BROWN CEN

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