

Online Supplement

Description of Risk Factors for Violence Measures

For **individual** risk factors, participants were asked how many times in the past year (12 months) they engaged in a behavior. We dichotomized each measure to 0 vs. 1 or more times in the past 12 months from the following response options: “Never”, “1 or 2 times”, “3 to 5 times”, “6 to 9 times”, “10-19 times”, “20-29 times”, “30-39 times”, “40 or more times”. For questions about using and experiencing bullying, the response options were: “No”, “Yes, less than once a week”, “Yes, about once a week”, “Yes, most days”. Gang membership was asked as “Have you ever belonged to a gang?” with the response options: “Yes” or “No”.

For **peer** risk factors, youth were instructed to think of 4 of their best friends. Responses were dichotomized to 0 (None) or 1 (at least 1 of my friends) from the response options: “None of my friends”, “1 of my friends”, “2 of my friends”, “3 of my friends”, “4 of my friends”.

For **school** and **community** factors, participants were asked whether they agreed with two statements: “I feel safe at my school” and “I feel safe in my neighborhood” and could select from four response options: “No!”, “no”, “yes”, and “Yes!”. Responses were dichotomized as felt unsafe (“No!” or “no”) versus felt safe (“yes” or “Yes!”).

Individual

1. How many times in the past year (12 months), have you purposely damaged or destroyed property that did not belong to you (not counting family property)?
2. How many times in the past year (12 months), have you been suspended from school?
3. How many times in the past year (12 months), have you stolen something worth more than \$5?
4. How many times in the past year (12 months), have you taken something from a store without paying for it?
5. How many times in the past year (12 months), have you been involved in a fight on school property?
6. How many times in the past year (12 months), have you attacked someone with the idea of seriously hurting them?
7. How many times in the past year (12 months), have you been drunk or high at school?
8. How many times in the past year (12 months), have you sold illegal drugs (other than marijuana)?
9. How many times in the past year (12 months), have you been arrested?
10. How many times in the past year (12 months) have you: beat up someone so badly that they probably needed to see a doctor or a nurse?
11. During the past year at school, have you taken part in bullying another student?
12. During the past year at school, have you been bullied (teased or called names, had rumors spread about you, been deliberately left out of things, threatened physically, or actually hurt)?
13. How many times in the past year (12 months), have you stolen or tried to steal a motor vehicle such as a car or motorcycle?
14. Have you ever belonged to a gang?
15. How many times in the past year (12 months), have you hit your parents other than in jest or play?

16. How many times in the past year (12 months) have you hit a teacher?
17. How many times in the past year (12 months) have you used a weapon or force to get money?

Peer

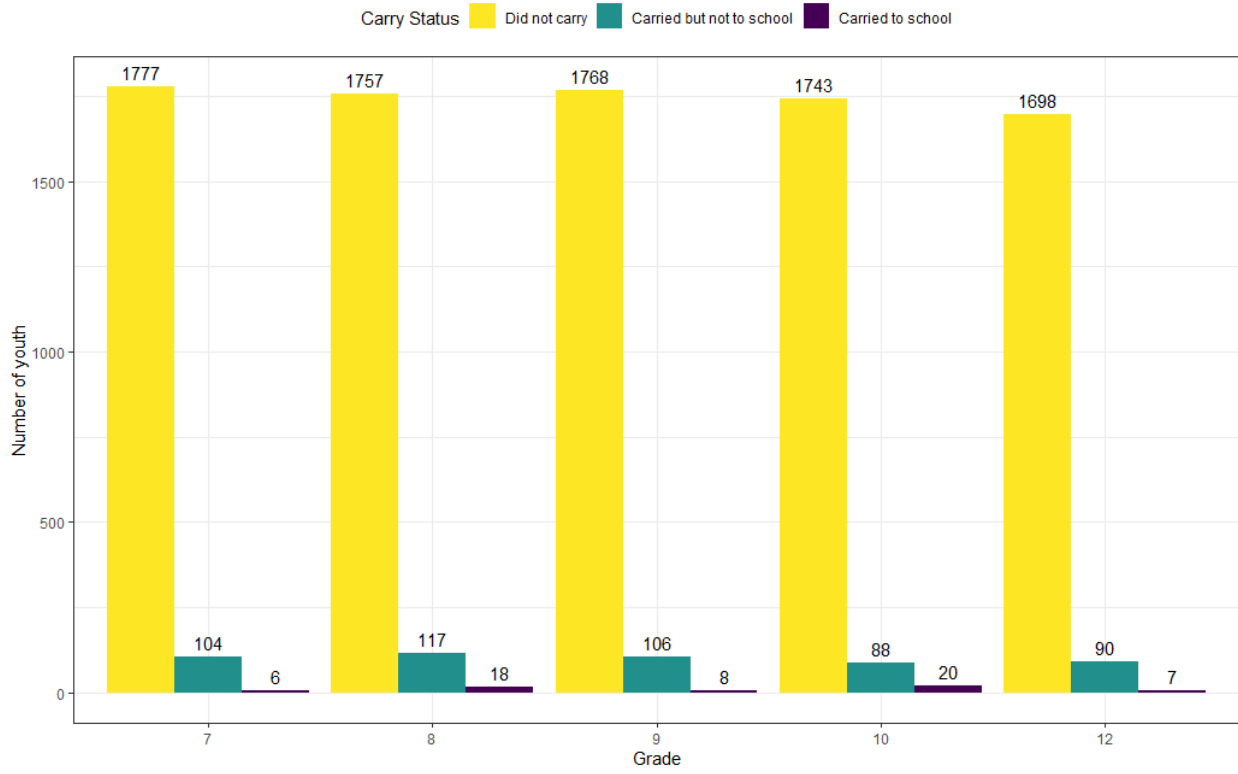
18. In the past year (12 months), how many of your best friends have been suspended from school?
19. In the past year (12 months), how many of your best friends have stolen something worth more than \$5?
20. In the past year (12 months), how many of your best friends have been arrested?
21. In the past year (12 months), how many of your best friends have attacked someone with the idea of seriously hurting them?
22. In the past year (12 months), how many of your best friends have carried a handgun?
23. In the past year (12 months), how many of your best friends have sold illegal drugs?
24. In the past year (12 months), how many of your best friends have stolen or tried to steal a motor vehicle such as a car or motorcycle?
25. In the past year (12 months), how many of your best friends have dropped out of school?
26. In the past year (12 months), how many of your best friends have been members of a gang?

School

27. I feel safe at my school.

Community

28. I feel safe in my neighborhood.



Online Figure 1. Number of youth by handgun carrying status at each grade



Online Figure 2. Proportion of youth endorsing individual risk factors by handgun carrying status at each grade with 95% CI. Panels are in the same order as represented in Table 1. *Note:* *Not asked in grade 12; **Not asked in grades 7 and 8



Online Figure 3. Proportion of youth endorsing peer risk factors by handgun carrying status at each grade with 95% CI. Panels are in the same order as represented in Table 1.

Online Table 1. Risk factors for violence by handgun carrying status across grades 7-12, Male Youth n=1039

	Did not carry (N=753)		Carried but not to school (N=240)		Carried to school (N=46)		P- value ***
	N	% (95% CI)	N	% (95% CI)	N	% (95% CI)	
<i>Individual</i>							
Damaged or destroyed property	322	42.8 (38.7-46.8)	164	68.3 (60.4-76.3)	45	97.8 (93.5-100)	<0.001
Suspended from school	323	42.9 (37.5-48.3)	143	59.6 (50.5-68.6)	44	95.7 (90.8-100)	<0.001
Stolen something worth \$5	317	42.1 (37.6-46.6)	148	61.7 (51.1-72.2)	44	95.7 (90.3-100)	<0.001
Taken something without paying	325	43.2 (37.6-74.6)	152	63.3 (52.1-74.6)	43	93.5 (85.2-100)	<0.001
Fight on school property	359	47.7 (44.6-50.7)	171	71.3 (64.3-78.2)	42	91.3 (86.8-95.8)	<0.001
Attacked someone with idea of hurting them	202	26.8 (24.4-29.2)	125	52.1 (43.9-60.3)	39	84.8 (74.2-95.4)	<0.001
Drunk or high at school	167	22.2 (18.2-26.2)	105	43.8 (33.0-54.5)	38	82.6 (71.0-94.2)	<0.001
Sold illegal drugs	84	11.2 (9.6-12.7)	81	33.8 (23.4-44.1)	38	82.6 (71.9-93.3)	<0.001
Arrested	140	18.6 (13.9-23.3)	95	39.6 (28.5-50.7)	38	82.6 (74.3-90.9)	<0.001
Beat someone badly	120	15.9 (14.0-17.8)	93	38.8 (27.3-50.2)	37	80.4 (67.4-93.5)	<0.001
Bullied another student*	375	49.8 (47.0-52.6)	155	64.6 (58.1-71.0)	40	87.0 (74.4-99.5)	0.0013
Been bullied*	454	60.3 (55.8-64.7)	164	68.3 (63.0-73.7)	32	69.6 (54.1-85.1)	0.84
Stolen a motor vehicle	40	5.3 (4.0-6.6)	47	19.6 (14.0-25.2)	32	69.6 (59.2-80.0)	<0.001
Gang	114	15.1 (11.6-18.7)	83	34.6 (25.7-43.5)	23	50.0 (34.3-65.7)	0.016
Hit parent**	38	5.0 (3.8-6.3)	31	12.9 (6.9-18.9)	16	34.8 (20.5-49.0)	0.006
Hit a teacher**	9	1.2 (0.5-1.9)	12	5.0 (1.2-8.8)	17	37.0 (20.8-53.1)	0.0001
Used a weapon or force to get money	4	0.5 (0.1-0.9)	21	8.8 (0.5-12.5)	16	34.8 (21.4-48.2)	<0.001
<i>Peers</i>							
Best friends suspended from school	619	82.2 (77.5-87.0)	219	91.3 (88.4-94.1)	44	95.7 (90.3-100)	0.1
Best friends stolen something	487	64.7 (57.7-71.6)	187	77.9 (69.8-86.1)	43	93.5 (87.9-99.0)	<0.001
Best friends arrested	363	48.2 (42.9-53.5)	164	68.3 (56.2-80.5)	42	91.3 (86.8-95.8)	0.002
Best friends attacked someone	325	43.2 (38.4-47.9)	151	62.9 (51.2-74.7)	40	87.0 (79.2-94.7)	<0.001
Best friends carried a handgun	136	18.1 (13.5-22.6)	159	66.3 (62.3-70.2)	40	87.0 (81.2-92.7)	<0.001
Best friends sold illegal drugs	283	37.6 (32.3-42.9)	149	62.1 (49.3-74.8)	38	82.6 (72.0-93.3)	0.012
Best friends stolen a motor vehicle	169	22.4 (18.8-26.1)	96	40.0 (30.2-49.8)	37	80.4 (69.1-91.8)	<0.001
Best friends dropped out of school	249	33.1 (26.7-39.5)	125	52.1 (41.0-63.1)	36	78.3 (66.2-90.3)	0.001
Best friends member of a gang	185	24.6 (14.7-34.4)	116	48.3 (33.1-63.6)	35	76.1 (64.8-87.4)	0.007
<i>School</i>							
Felt unsafe at school	247	32.8 (29.3-36.3)	116	48.3 (39.8-56.9)	28	60.9 (44.9-76.8)	0.1
<i>Community</i>							
Felt unsafe in neighborhood	280	37.2 (30.2-44.1)	109	45.4 (35.5-55.3)	33	71.7 (60.6-82.9)	<0.001

*Not asked in grade 12

**Not asked in grades 7 and 8

***Wald test with standard errors clustered by community

Online Table 2. Risk factors for violence by handgun carrying status across grades 7-12, Female youth n=956

	Did not carry (N=886)		Carried but not to school (N=60)		Carried to school (N=10)		p- value ***
	N	% (95% CI)	N	% (95% CI)	N	% (95% CI)	
<i>Individual</i>							
Damaged or destroyed property	283	31.9 (25.8-38.1)	33	55 (3.0-71.0)	8	80 (57.6-100)	0.06
Suspended from school	226	25.5 (20.1-30.9)	31	51.7 (35.5-67.8)	8	80 (57.6-100)	0.008
Stolen something worth \$5	294	33.2 (27.5-38.9)	40	66.7 (57.0-76.3)	8	80 (57.6-100)	0.17
Taken something without paying	352	39.7 (33.5-46.0)	40	66.7 (59.3-74.0)	8	80 (57.6-100)	0.11
Fight on school property	301	34.0 (29.8-38.1)	36	60.0 (42.9-77.1)	8	80.0 (57.6-100)	0.1
Attacked someone with idea of hurting them	178	20.1 (15.0-25.2)	29	48.3 (38.9-57.8)	8	80.0 (57.6-100)	0.012
Drunk or high at school	228	25.7 (20.5-31.0)	30	50.0 (40.7-59.3)	8	80.0 (57.6-100)	0.009
Sold illegal drugs	58	6.5 (4.3-8.8)	18	30.0 (15.4-44.6)	8	80.0 (57.6-100)	
Arrested	116	13.1 (10.0-16.2)	21	35.0 (24.6-45.4)	7	70.0 (33.4-100)	0.002
Beat someone badly	81	9.1 (6.9-11.4)	22	36.7 (24.5-48.9)	7	70.0 (47.6-92.4)	0.003
Bullied another student*	372	42.0 (35.7-48.2)	40	66.7 (50.0-83.4)	3	30.0 (7.6-52.4)	0.03
Been bullied*	619	69.9 (67.4-72.3)	50	83.3 (70.2-96.5)	7	70.0 (47.6-92.4)	0.25
Stolen a motor vehicle	27	3.0 (1.7-4.4)	8	13.3 (7.8-18.9)	7	70.0 (47.6-92.4)	<0.001
Gang	103	11.6 (9.1-14.2)	22	36.7 (22.8-50.6)	3	30.0 (0.07-66.6)	0.68
Hit parent**	84	9.5 (7.4-11.5)	12	20.0 (11.1-28.9)	4	40.0 (21.7-58.3)	0.07
Hit a teacher**	5	0.6 (0.02-1.1)	3	5.0 (0.07-10.8)	2	20.0 (0.02-42.4)	0.13
Used a weapon or force to get money	4	0.5 (0.07-0.8)	2	3.3 (0.01-7.7)	3	30.0 (7.6-52.4)	0.01
<i>Peers</i>							
Best friends suspended from school	639	72.1 (67.2-77.1)	52	86.7 (79.7-93.6)	9	90.0 (71.7-100)	0.71
Best friends stolen something	528	59.6 (52.1-67.1)	47	78.3 (65.9-90.8)	8	80.0 (43.4-100)	0.93
Best friends arrested	398	44.9 (38.3-51.6)	40	66.7 (49.5-83.8)	7	70.0 (33.4-100)	0.83
Best friends attacked someone	334	37.7 (29.9-45.5)	43	71.7 (59.2-84.2)	7	70.0 (33.4-100)	0.93
Best friends carried a handgun	127	14.3 (9.4-19.3)	33	55.0 (40.3-69.7)	3	30.0 (0.06-66.6)	0.33
Best friends sold illegal drugs	314	35.4 (31.2-39.7)	36	60.0 (45.4-74.6)	5	50.0 (9.0-90.9)	0.65
Best friends stolen a motor vehicle	194	21.9 (17.2-26.6)	25	41.7 (22.1-61.3)	6	60.0 (25.7-94.3)	0.34
Best friends dropped out of school	335	37.8 (31.0-44.6)	34	56.7 (47.5-65.8)	5	50.0 (21.0-79.0)	0.63
Best friends member of a gang	247	27.9 (17.4-38.4)	37	61.7 (47.4-75.9)	5	50.0 (21.0-79.0)	0.43
<i>School</i>							
Felt unsafe at school	284	32.1 (26.9-37.2)	30	50.0 (38.9-61.1)	2	20.0 (0.02-42.4)	0.15
<i>Community</i>							
Felt unsafe in neighborhood	279	31.5 (27.0-36.0)	28	46.7 (32.4-61.0)	5	50.0 (50.0-50.0)	0.66

*Not asked in grade 12

**Not asked in grades 7 and 8

***Wald test with standard errors clustered by community