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| Supplemental Table 2: Sex-stratified unadjusted and adjusted associations between frequency of gun carrying and violence, suicide, and substance use-related behaviors and experiences among high school students age <18 - national Youth Risk Behavior Survey (2017 and 2019) |
| **Risk Behaviors** | **Carried a Gun 6+ Days versus 1-5 Days (ref)** |
| **Males** | **Females** | **Not Stratified by Sex** |
| **PR (95% CI)** | **aPRa****(95% CI)** | **PR (95% CI)** | **aPRa****(95% CI)** | **PR (95% CI)** | **aPRa****(95% CI)** |
|  |  |  |  |  |  |  |
| In a physical fightb | 1.19 (1.00,1.40) | 1.15 (0.97,1.37) | 1.24 (0.93,1.65) | 1.15 (0.86,1.55) | 1.19 (1.03,1.37) | 1.15 (0.99,1.35) |
| In a physical fight on school propertyb | 1.33 (1.03,1.73) | 1.24 (0.95,1.63) | 2.02 (1.20,3.41) | 1.67 (1.02,2.75) | 1.45 (1.15,1.82) | 1.30 (1.02,1.67) |
| Threatened or injured with a weapon on school propertyb   | 1.21 (0.90,1.64) | 1.19 (0.87,1.61) | 2.39 (1.49,3.83) | 1.34 (0.73,2.47) | 1.37 (1.08,1.74) | 1.24 (0.96,1.59)  |
| Were electronically bulliedb | 1.03 (0.70,1.51) | 1.05 (0.70,1.56) | 1.22 (0.72,2.10) | 1.10 (0.62,1.95) | 0.95 (0.71,1.26) | 1.01 (0.74,1.37) |
| Were bullied on school propertyb | 1.10 (0.78,1.56) | 1.14 (0.82,1.58) | 1.55 (0.99,2.44) | 1.48 (0.90,2.41) | 1.11 (0.86,1.44) | 1.14 (0.87,1.50) |
| Missed school because felt unsafec | 0.98 (0.66,1.46) | 1.00 (0.68,1.46) | 1.13 (0.65,1.97) | 0.92 (0.49,1.72) | 0.93 (0.69,1.26) | 0.92 (0.67,1.28) |
| Carried a weapon on school propertyc | 2.47 (1.66,3.68) | 2.13 (1.41,3.20) | 3.73 (1.88,7.42) | 2.54 (1.13,5.68) | 2.63 (1.90,3.65) | 2.26 (1.60,3.20) |
| Experienced sexual violence by anyoneb | 1.60 (0.94,2.72) | 1.64 (1.03,2.61) | 1.07 (0.59,1.94) | 1.05 (0.56,1.96) | 1.01 (0.69,1.49) | 1.30 (0.93,1.82) |
| Experienced sexual dating violenced | 1.92 (0.95,3.88) | 1.58 (0.80,3.12) | 1.73 (0.81,3.70) | 1.46 (0.71,3.02) | 1.35 (0.83,2.18) | 1.47 (0.94,2.32) |
| Experienced physical dating violencee | 1.53 (0.94,2.48) | 1.62 (1.02,2.59) | 2.74 (1.40,5.36) | 1.89 (0.92,3.88) | 1.63 (1.12,2.37) | 1.59 (1.08,2.32) |
| Seriously considered attempting suicideb | 1.34 (0.92,1.96) | 1.47 (1.00,2.14) | 1.51 (0.97,2.34) | 1.07 (0.70,1.65) | 1.19 (0.90,1.57) | 1.34 (1.01,1.79) |
| Attempted suicideb | 1.42 (0.83,2.41) | 1.48 (0.91,2.42) | 2.52 (1.53,4.15) | 1.94 (1.16,3.25) | 1.41 (0.91,2.20) | 1.56 (1.06,2.29) |
| Current binge drinkingf | 1.75 (1.29,2.38) | 1.73 (1.28,2.33) | 1.59 (0.97,2.61) | 1.24 (0.72,2.14) | 1.65 (1.27,2.14) | 1.65 (1.29,2.11) |
| Current marijuana useg | 1.51 (1.24,1.84) | 1.42 (1.17,1.73) | 1.28 (0.81,2.02) | 1.15 (0.84,1.59) | 1.44 (1.22,1.70) | 1.37 (1.15,1.63) |
| Lifetime prescription drug misuseh | 1.44 (1.13,1.84) | 1.44 (1.13,1.82) | 1.47 (1.06,2.04) | 0.95 (0.61,1.48) | 1.40 (1.17,1.67) | 1.35 (1.11,1.65) |
| Lifetime illicit drug usei | 1.22 (0.97,1.52) | 1.30 (1.02,1.66) | 1.48 (1.12,1.95) | 1.22 (0.88,1.70) | 1.21 (1.03,1.43) | 1.30 (1.07,1.58) |
| Offered or sold drugs on school propertyb | 1.26 (1.00,1.60) | 1.28 (0.98,1.67) | 0.89 (0.62,1.30) | 0.60 (0.31,1.17) | 1.15 (0.95,1.41) | 1.13 (0.90,1.42) |

PR=Prevalence ratio

aPR=Adjusted prevalence ratio.

aModelsadjusted for age, race/ethnicity and sexual identity.

bDuring the 12 months before the survey.

cOnat least one day during the 30 days before the survey.

dAmong students who dated or went out with someone during the 12 months before the survey and answered the sexual dating violence question.

eAmong students who dated or went out with someone during the 12 months before the survey and answered the physical dating violence question.

fHad four or more drinks of alcohol in a row (if they were female) or five or more drinks of alcohol in a row (if they were male) within a couple of hours on at least 1 day during the 30 days before the survey.

gOne or more times during the 30 days before the survey.

hOne or more times during the respondent’s lifetime.

 iLifetime use of at least one of the following: heroin, cocaine, methamphetamines, synthetic marijuana, ecstasy, hallucinogenic drugs, and inhalants.