

Supplementary Online Content

Morgan ER, Gomez A, Rivara FP, Rowhani-Rahbar A. Firearm storage and adult alcohol misuse among Washington State households with children. *JAMA Pediatr*. Published online November 19, 2018. doi:10.1001/jamapediatrics.2018.3624

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This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix. Selected BRFSS Questions

Q. During the past 30 days, how many days per week or per month did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage or liquor?

1 __ Days per week [range 101 – 107]
2 __ Days per month [range 201 – 230]
8 8 8 None [go to next section]
7 7 7 Don't know / Not sure [go to next section]
9 9 9 Refused [go to next section]

Q. One drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor. During the past 30 days, on the days when you drank, about how many drinks did you drink on the average?

-- Number of Drinks [range 01-76]
7 7 Don't know / Not sure
9 9 Refused

Q. During the past 30 days, what is the largest number of drinks you had on any occasion?

-- Number of Drinks [range 01-76]
7 7 Don't know / Not sure
9 9 Refused

Q. What is the birth month and year of the "Xth" child?

-- / ---- Code 12-Digit month and 4-Digit year
7 7 / 7 7 7 7 Don't know / Not sure
9 9 / 9 9 9 9 Refused

Q. Is the child a boy or a girl?

1 Boy
2 Girl
9 Refused

Q. Is the child Hispanic, Latino/a, or Spanish origin?

1 Mexican, Mexican American, Chicano/a
2 Puerto Rican
3 Cuban
4 Another Hispanic, Latino/a, or Spanish origin

Do not read:

5 No
7 Don't know / Not sure
9 Refused

Q. Which one of these groups would you say best represents the child's race?

10 White
20 Black or African American

30 American Indian or Alaska Native

40 Asian

- 41 Asian Indian
- 42 Chinese
- 43 Filipino
- 44 Japanese
- 45 Korean
- 46 Vietnamese
- 48 Cambodian
- 47 Other Asian

50 Pacific Islander

- 51 Native Hawaiian
- 52 Guamanian or Chamorro
- 53 Samoan
- 54 Other Pacific Islander

Do not read:

- 60 Other
- 77 Don't know / Not sure
- 99 Refused

Q. How are you related to the child?

- 1 Parent (include biologic, step, or adoptive parent)
- 2 Grandparent
- 3 Foster parent or guardian
- 4 Sibling (include biologic, step, and adoptive sibling)
- 5 Other relative
- 6 Not related in any way

Do not read:

- 7 Don't know / Not sure
- 9 Refused

eTable 1. Firearm Ownership and Storage Practices in Households With Children in Washington State by Child and Household Characteristics, 2013 and 2016

	Non-Firearm-Owning Households	Firearm-Owning Households
Characteristic	(n = 3,443) Weighted Proportion (95% CI)	(n = 1,798) Weighted Proportion (95% CI)
All Children	69.8 (68.2 - 71.3)	30.2 (28.7 - 31.8)
Age		
0-4	69.6 (66.6 - 72.5)	30.4 (27.5 - 33.4)
5-9	69.2 (65.9 - 72.4)	30.8 (27.6 - 34.1)
10-14	70.9 (68.1 - 73.5)	29.1 (26.5 - 31.9)
15-17	69.1 (65.5 - 72.4)	30.9 (27.6 - 34.5)
Race		
White	61.4 (59.6 - 63.3)	38.6 (36.7 - 40.4)
Black	83.2 (74.6 - 89.3)	16.8 (10.7 - 25.4)
AIAN	71.7 (58.0 - 82.2)	28.3 (17.8 - 42.0)
Asian	84.6 (79.0 - 88.9)	15.4 (11.1 - 21.0)
Other Race	76.2 (69.8 - 81.6)	23.8 (18.4 - 30.2)
Hispanic	80.7 (76.8 - 84.0)	19.3 (16.0 - 23.2)
Sex		
Male	69.0 (66.8 - 71.1)	31.0 (28.9 - 33.2)
Female	70.6 (68.3 - 72.7)	29.4 (27.3 - 31.7)
Household Income		
< \$25K	85.4 (82.4 - 87.9)	14.6 (12.1 - 17.6)
\$25-\$50K	71.7 (68.0 - 75.2)	28.3 (24.8 - 32.0)
\$50-\$75K	59.8 (55.0 - 64.5)	40.2 (35.5 - 45.0)
\$75K+	63.0 (60.5 - 65.4)	37.0 (35.6 - 39.5)

	Non-Firearm-Owning Households	Firearm-Owning Households
Characteristic	(n = 3,443) Weighted Proportion (95% CI)	(n = 1,798) Weighted Proportion (95% CI)
Urbanicity		
Urban	71.0 (69.3 - 72.7)	29.0 (27.4 - 30.7)
Rural	60.3 (55.8 - 64.7)	39.7 (35.3 - 44.2)
Relationship to Respondent		
Parent	70.0 (68.3 - 71.7)	30.0 (28.3 - 31.7)
Grandparent	66.5 (60.2 - 72.3)	33.5 (27.7 - 39.9)
Foster Parent	62.5 (48.9 - 74.4)	37.5 (25.6 - 51.1)
Other Relative	70.3 (63.5 - 76.3)	29.7 (23.7 - 36.5)
Not Related	72.0 (59.1 - 82.1)	28.0 (17.9 - 40.9)
Guardian Marital Status		
Married	65.8 (63.9 - 67.7)	34.2 (32.3 - 36.2)
Divorced/Separated	78.3 (74.5 - 81.8)	21.7 (18.2 - 25.5)
Other	77.9 (74.5 - 80.9)	22.2 (19.1 - 25.5)
CI: Confidence Interval		

eTable 2. Prevalence of Household Unlocked Firearm by Reported Alcohol Misuse of Adults in the Home and Selected Characteristics Among Children Residing in Firearm-Owning Households

Weighted Proportion (95% CI)	Adult Alcohol Misuse	No Adult Alcohol Misuse	Total*
	(n = 349)	(n = 1398)	(n = 1747)
All Respondents	46.9 (40.1 - 53.9)	33.8 (30.7 - 37.0)	36.8 (33.9 - 39.8)
Age			
0-4	60.3 (47.3 - 72.0)	33.4 (27.8 - 39.4)	39.0 (33.6 - 44.8)
5-9	34.7 (23.0 - 48.6)	31.3 (25.4 - 37.9)	32.7 (27.3 - 38.7)
10-14	44.8 (33.8 - 56.3)	32.8 (27.3 - 38.9)	35.3 (30.2 - 40.7)
15-17	52.9 (38.4 - 66.9)	39.8 (32.7 - 47.4)	43.3 (36.8 - 50.1)
Race			
White	41.1 (34.4 - 48.2)	34.6 (31.3 - 38.1)	36.0 (33.0 - 39.1)
Non-White	57.4 (42.0 - 71.5)	31.4 (24.8 - 38.9)	39.3 (32.8 - 46.2)
Sex			
Male	44.5 (35.3 - 54.0)	33.0 (28.9 - 37.3)	35.6 (31.7 - 39.5)
Female	48.4 (39.3 - 59.6)	34.7 (30.1 - 39.5)	38.5 (34.3 - 43.0)
Urbanicity			
Urban	42.6 (35.3 - 50.3)	32.0 (28.6 - 35.6)	34.7 (31.5 - 38.0)
Rural	59.7 (42.7 - 74.7)	42.4 (35.1 - 50.0)	46.0 (39.1 - 53.1)
Relationship to Respondent			
Parent	43.8 (36.7 - 51.2)	33.1 (29.8 - 36.7)	35.9 (32.8 - 39.1)
Other	63.4 (45.7 - 78.1)	37.3 (29.9 - 45.3)	42.7 (35.3 - 50.5)
Guardian Marital Status			
Married	41.6 (33.8 - 49.8)	33.2 (29.8 - 36.8)	35.1 (31.9 - 38.4)
Other	61.8 (50.0 - 72.4)	35.8 (29.3 - 42.8)	43.2 (37.2 - 49.4)

CI: Confidence Interval; Adult Alcohol Misuse: Survey respondent indicated chronic or binge alcohol consumption
 *Table excludes some responses due to nonresponse of questions related to alcohol consumptions (n=9)

eTable 3. Prevalence of Household Loaded Firearm by Reported Alcohol Misuse of Adults in the Home and Selected Characteristics Among Children Residing in Firearm-Owning Households

Weighted Proportion (95% CI)	Adult Alcohol Misuse	No Adult Alcohol Misuse	Total*
	(n = 349)	(n = 1398)	(n = 1747)
All Respondents	36.5 (30.2 - 43.3)	28.1 (25.2 - 31.2)	30.0 (27.3 - 32.9)
Age			
0-4	24.9 (15.7 - 37.0)	32.2 (26.6 - 38.3)	30.9 (26.0 - 36.3)
5-9	41.8 (28.8 - 56.0)	26.4 (20.8 - 33.0)	31.1 (25.6 - 37.2)
10-14	37.7 (27.3 - 49.3)	27.2 (22.0 - 33.1)	29.4 (24.6 - 34.6)
15-17	41.8 (27.6 - 57.5)	25.4 (19.3 - 32.7)	29.1 (23.1 - 36.0)
Race			
White	42.4 (29.0 - 57.1)	31.3 (24.6 - 39.0)	28.3 (25.5 - 31.3)
Non-White	33.2 (26.9 - 40.1)	26.9 (23.8 - 30.1)	35.0 (28.7 - 41.9)
Sex			
Male	34.9 (26.4 - 44.4)	25.9 (22.2 - 30.1)	28.0 (24.5 - 31.8)
Female	38.1 (29.0 - 48.1)	30.6 (26.2 - 35.4)	32.8 (28.7 - 37.2)
Urbanicity			
Urban	34.6 (27.8 - 42.0)	29.0 (25.6 - 35.6)	30.6 (27.6 - 33.8)
Rural	42.1 (26.3 - 59.8)	24.1 (18.3 - 31.0)	27.7 (21.8 - 34.5)
Relationship to Respondent			
Parent	38.9 (32.0 - 46.4)	28.9 (25.6 - 32.5)	31.6 (28.5 - 34.8)
Other	—	23.9 (17.9 - 31.1)	23.7 (18.3 - 30.1)
Guardian Marital Status			
Married	36.8 (29.3 - 45.1)	28.5 (25.1 - 32.1)	30.5 (27.4 - 33.8)
Other	35.5 (24.9 - 47.9)	26.5 (20.7 - 33.3)	29.3 (24.0 - 35.2)

CI: Confidence Interval; Adult Alcohol Misuse: Survey respondent indicated chronic or binge alcohol consumption

*Table excludes some responses due to nonresponse of questions related to alcohol consumptions (n=9)

— Suppressed for data quality per Department of Health guidelines (Residual Standard Error > 25%)