

Questions Regarding Driving
Grade 10/Year 11
Fast Track Project Technical Report
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April 2004

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Citation

Instrument

Loeber, R., Farrington, D.P., Stouthamer-Loeber, M., and Van Kammen, W.B. (1998). *Antisocial Behavior and Mental Health Problems: Explanatory Factors in Childhood and Adolescence*. Mahwah, NJ: Lawrence Erlbaum.

Loeber, R., and Stouthamer-Loeber, M. (1991). Pittsburgh Youth Survey (Youth Interview – Assessment IIG-7)

Report

Kersteter, S. (2004). *Questions Regarding Driving (Fast Track Project Technical Report)* [On-line]. Available: <http://www.fasttrackproject.org/>

Data Sources

Raw: C11AS

Scored: QRD11

I. Scale Description

The Questions Regarding Driving measure is a 14-item instrument taken from the Pittsburgh Youth Survey. Fast Track added the measure to the child instrument battery in study year 8. The measure assesses whether the child has ever driven and if so, how often, whether the child has a driver's license or a permit, and whose car the child drives, where the child goes when he/she uses the car, the child's experience with drinking or using drugs and driving, and the child's beliefs about drinking and driving. Only students who responded "yes" to having ever driven a car were asked questions about their driving activities. Only students who reported that they had been a passenger in a car driven by someone who had been drinking or using drugs were asked the subsequent question about frequency.

II. Report Sample

These analyses were conducted with the first cohort on the control sample (n=155) and on the normative sample (n=387, N = 463 with overlap) during the eleventh year of the study. Overall, 118 records were missing the whole measure. Forty-five were missing from the control sample (8 from Durham, 12 from Nashville, 14 from Pennsylvania, and 11 from Washington) and 102 were missing from the normative sample (17 from Durham, 28 from Nashville, 31 from Pennsylvania, and 26 from Washington).

III. Scaling

For the items in this instrument, there is no obvious scoring. Only students who responded yes to having ever driven a car were asked the subsequent questions about the frequency and their driving experiences. Only students who reported that they had been a passenger in a car driven by someone who had been drinking or using drugs were asked the subsequent question about frequency.

The design of this measure allows certain questions to be skipped if the respondent answered “no” to the previous question. If the child answered “no” to question 1, he/she answered question 2, then skipped to question 11. If the child answered “no” to question 11, he/she skipped to question 13. Although no values were entered for the skipped questions, these are not considered missing data; rather, because of the “no” response to the preceding question (question 1 or 11), the responses to questions 2 through 10 and question 12, respectively, are actually “no.” For the purposes of these technical report analyses, if a respondent answered “no” to question 1, his/her answers to questions 2 through 10 were considered to be “no” and coded as a “0.” Likewise, if a respondent answered “no” to question 11, his/her answer to question 12 was considered to be “no” and coded as a “0.”

Note that for question 3 (C11AS7), 0 represented never, 1 represented every day, 2 represented once a week or more, and 3 represented less than once a week. For these analyses, the responses for question 3 were recoded (C11AS7r) to show an increasing scale of frequency, as follows: 0 represents never, 1 represents less than once a week, 2 represents once a week or more, and 3 represents every day.

IV. Differences Between Groups

Chi-square tests of independence were used to assess the differences between the high-risk control and normative groups for question 1 (Have you ever driven a car?), question 4 (Whose car do you use when you drive?), question 5 (Where do you usually go when you have the use of the car?), question 6 (Have you ever driven a car after you had been drinking or had used drugs?), question 8 (Have you ever caused an accident or done damage to a car?), question 10 (Was anyone injured or did anyone die as a result?), and question 11 (Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?). The design of the measure allowed for questions 4, 5, and 10 to be broken down as follows, so that yes/no responses were possible.

Question 4 – Whose car do you use when you drive?

- Whose car do you use when you drive – parents'? (C11AS8)
- Whose car do you use when you drive – other relative's? (C11AS9)
- Whose car do you use when you drive – own? (C11AS10)
- Whose car do you use when you drive – friend's? (C11AS11)
- Whose car do you use when you drive – other? (C11AS12)

Question 5 – Where do you usually go when you have the use of the car?

- Where do you usually go when you have the use of the car – just cruise around? (C11AS14)
- Where do you usually go when you have the use of the car – party? (C11AS15)
- Where do you usually go when you have the use of the car – friend's place? (C11AS16)
- Where do you usually go when you have the use of the car – work? (C11AS17)
- Where do you usually go when you have the use of the car – school? (C11AS18)
- Where do you usually go when you have the use of the car – other? (C11AS19)

Question 10 – Was anyone injured or did anyone die as a result?

- Was anyone injured or did anyone die as a result – no injury or death? (C11AS25)
- Was anyone injured or did anyone die as a result – physical injury to self? (C11AS26)
- Was anyone injured or did anyone die as a result – physical injury to others? (C11AS28)
- Was anyone injured or did anyone die as a result – death? (C11AS30)

It should be noted that the respondents were asked to “check all that apply” for questions 4 and 5. Also

note that because there were no “yes” responses to question 10 – Was anyone injured or did anyone die as a result - physical injury to others (C11AS28) and question 10 – Was anyone injured or did anyone die as a result - death (C11AS30) for either the high-risk control group or the normative group, chi-square tests were not performed for these questions.

Chi Square Test Results by Group						
Variable	0=No 1=Yes		DF	Chi Square Statistic	P-value	N
	Control Proportions	Normative Proportions				
C11AS5 – Have you ever driven a car?	0.78	0.79	1	0.04	0.838	345
C11AS8 – Whose car do you use when you drive – parents’?	0.54	0.61	1	1.81	0.179	258
C11AS9 – Whose car do you use when you drive – other relative’s?	0.15	0.17	1	0.60	0.438	258
C11AS10 – Whose car do you use when you drive – own?	0.14	0.13	1	0.17	0.678	258
C11AS11 – Whose car do you use when you drive – friend’s?	0.27	0.17	1	5.11	0.024	258
C11AS12 – Whose car do you use when you drive – other?	0.10	0.04	1	7.92	0.005	258
C11AS14 – Where do you usually go when you have the use of the car – just cruise around?	0.50	0.38	1	4.01	0.045	258
C11AS15 – Where do you usually go when you have the use of the car – party?	0.06	0.05	1	0.44	0.507	258
C11AS16 – Where do you usually go when you have the use of the car – friend’s place?	0.22	0.22	1	0.07	0.787	258
C11AS17 – Where do you usually go when you have the use of the car – work?	0.13	0.14	1	0.12	0.730	258
C11AS18 – Where do you usually go when you have the use of the car – school?	0.09	0.15	1	1.73	0.189	258
C11AS19 – Where do you usually go when you have the use of the car – other?	0.42	0.48	1	0.79	0.373	258
C11AS21 – Have you ever driven a car after you had been drinking or had used drugs?	0.04	0.02	1	2.10	0.147	345
C11AS23 – Have you ever caused an accident or done damage to a car?	0.06	0.06	1	0.09	0.758	345
C11AS25 – Was anyone injured or did anyone die as a result – no injury or death?	0.06	0.06	1	0.43	0.513	345
C11AS26 – Was anyone injured or did anyone die as a result – physical injury to self?	0.00	0.01	1	0.94	0.332	345
C11AS31 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.21	0.15	1	3.97	0.046	344

Four of the items tested showed significant chi-square statistics: question 4 – Whose car do you use when you drive - friend’s (C11AS11), question 4 – Whose car do you use when you drive - other (C11AS12), question 5 – Where do you usually go when you have the use of the car - just cruise around (C11AS14), and question 11 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving (C11AS31).

With $\chi^2 (1, N = 258) = 5.1086$, $p = 0.0238$, the hypothesis of independence between risk category (normative or control) and question 4 – friend’s was rejected for these data. Almost 27 percent of the

high-risk control group reported that when they drive, they sometimes drive a friend's car as compared to only 15 percent of the normative group.

With $\chi^2 (1, N = 258) = 7.9205, p = 0.0049$, the hypothesis of independence between risk category (normative or control) and question 4 – other was rejected for these data. Over 10 percent of the high risk control group reported that when they drive, they sometimes drive a car belonging to someone other than their parents', another relative's, their own, or a friend's car as compared to just over 2 percent of the normative group.

With $\chi^2 (1, N = 258) = 4.0085, p = 0.0453$, the hypothesis of independence between risk category (normative or control) and question 5 – just cruise around was rejected for these data. Fifty percent of the high-risk control group reported that when they have the use of the car, they just cruise around as compared to just around 37 percent of the normative group.

With $\chi^2 (1, N = 344) = 3.9691, p = 0.0463$, the hypothesis of independence between risk category (normative or control) and question 11 was rejected for these data. Twenty-one percent of the high-risk control sample reported that they had been passengers in a car driven by someone who had been drinking or had used drugs prior to driving as compared to about 13 percent of the normative sample.

Chi-square tests were also performed on question 2 (C11AS6 – Do you have a driver's license or a permit?). For this question, 0 = no, 1 = license, and 2 = permit. The frequency distribution of item 2 (C11AS6) among the control and normative samples was:

Table of C11AS6 by group			
C11AS6 (Do you have a driver's license or permit?)	Group		Total
Frequency Percent Row Percent Column Percent	Control	Normative	
0 (no)	75 21.74 36.23 68.18	132 38.26 63.77 56.17	207 60.00
1 (license)	10 2.90 20.41 9.09	39 11.30 79.59 16.60	49 14.20
2 (permit)	25 7.25 28.09 22.73	64 18.55 71.91 27.23	89 25.80
Total	110 31.88	235 68.12	345 100.00
Frequency Missing = 118			

With $\chi^2 (2, N = 345) = 5.3630, p = 0.0685$, the hypothesis of independence between risk category (normative or control) and question 2 was not rejected for these data.

T-tests were used to examine group differences for question 3 (C11AS7r – In the past year, how often have you driven a car?), question 7 (C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?), question 9 (C11AS24 – How many times have you caused an accident or done damage to a car?), question 12 (C11AS32 – In the past year, how many times have

you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?), and question 13 (C11AS33 – After how many drinks do you think it is unsafe to drive?). Note that for question 3, 0 represents never, 1 represents less than once a week, 2 represents once a week or more, and 3 represents every day. For the other questions, respondents entered the actual number of occurrences. Analyses revealed no significant differences between the normative youth and their high-risk control counterparts for these five items.

Comparison of Variable Means for Normative and Control							
Variable	Normative		Control		DF	t Value	Pr > |t|
	Mean	Std Dev	Mean	Std Dev			
C11AS7r – In the past year, how often have you driven a car?	1.43	1.04	1.30	1.08	342	-1.05	0.2957
C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?	0.05	0.59	0.14	0.99	343	1.04	0.2976
C11AS24 – How many times have you caused an accident or done damage to a car?	0.09	0.44	0.06	0.25	343	-0.48	0.6296
C11AS32 – In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.91	4.24	1.08	5.25	341	0.32	0.7460
C11AS33 – After how many drinks do you think it is unsafe to drive?	2.12	1.59	2.33	1.97	340	1.07	0.2865

V. Recommendations for Use

Analysts should note that the skip patterns used for this measure resulted in the need to recode the data to get an accurate number of “no” responses versus missing responses. As described earlier, the design of this measure allows certain questions to be skipped if the respondent answered “no” to the previous question. If the child answered “no” to question 1, he/she answered question 2, then skipped to question 11. If the child answered “no” to question 11, he/she skipped to question 13. Although no values were entered for the skipped questions, these are not considered missing data; rather, because of the “no” response to the preceding question (question 1 or 11), the responses to questions 2 through 10 and question 12, respectively, are actually “no.” For the purposes of these technical report analyses, if a respondent answered “no” to question 1, his/her answers to questions 2 through 10 were considered to be “no” and coded as a “0.” Likewise, if a respondent answered “no” to question 11, his/her answer to question 12 was considered to be “no” and coded as a “0.”

Analysts should also note that while respondents entered the actual number of occurrences for question 7 (C11AS22), question 9 (C11AS24), question 12 (C11AS32), and question 13 (C11AS33), the allowed responses for question 3 (C11AS7 – In the past year, how often have you driven a car?) were as follows: 0 = never, 1 = every day, 2 = once a week or more, and 3 = less than once a week. Because this does not follow a pattern of increasing frequency of occurrences as numbered response increases, responses were recoded as follows: 0 = never, 1 = less than once a week, 2 = once a week or more, and 3 = every day.

Additionally, analysts should be aware that although the question was phrased as a yes/no question, the allowed responses for question 2 (C11AS6 – Do you have a drivers license or permit?) were 0 = no, 1 = license, and 2 = permit.

V1. Item and Scale Means and SD's

Descriptive Statistics for High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C11AS5	Have you ever driven a car?	110	0.78	0.41	0.00	1.00
C11AS7r	In the past year, how often have you driven a car? (recoded)	110	1.30	1.08	0.00	3.00
C11AS8	Whose car do you use when you drive – parents' suicide?	78	0.54	0.50	0.00	1.00
C11AS9	Whose car do you use when you drive – other relative's?	78	0.15	0.36	0.00	1.00
C11AS10	Whose car do you use when you drive – own?	78	0.14	0.35	0.00	1.00
C11AS11	Whose car do you use when you drive – friend's?	78	0.27	0.45	0.00	1.00
C11AS12	Whose car do you use when you drive – other?	78	0.10	0.31	0.00	1.00
C11AS14	Where do you usually go when you have the use of the car – just cruise around?	78	0.50	0.50	0.00	1.00
C11AS15	Where do you usually go when you have the use of the car – party?	78	0.06	0.25	0.00	1.00
C11AS16	Where do you usually go when you have the use of the car – friend's place?	78	0.22	0.42	0.00	1.00
C11AS17	Where do you usually go when you have the use of the car – work?	78	0.13	0.34	0.00	1.00
C11AS18	Where do you usually go when you have the use of the car – school?	78	0.09	0.29	0.00	1.00
C11AS19	Where do you usually go when you have the use of the car – other?	78	0.42	0.50	0.00	1.00
C11AS21	Have you ever driven a car after you had been drinking or had used drugs?	110	0.04	0.19	0.00	1.00
C11AS22	In the past year, how often have you driven a car after you had been drinking or had used drugs?	110	0.14	0.99	0.00	10.00
C11AS23	Have you ever caused an accident or done damage to a car?	110	0.06	0.25	0.00	1.00
C11AS24	How many times have you caused an accident or done damage to a car?	110	0.06	0.25	0.00	1.00
C11AS25	Was anyone injured or did anyone die as a result – no injury or death?	110	0.06	0.25	0.00	1.00
C11AS26	Was anyone injured or did anyone die as a result – physical injury to self?	110	0.00	0.00	0.00	0.00
C11AS28	Was anyone injured or did anyone die as a result – physical injury to others?	110	0.00	0.00	0.00	0.00
C11AS30	Was anyone injured or did anyone die as a result – death?	110	0.00	0.00	0.00	0.00
C11AS31	Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	109	0.21	0.41	0.00	1.00
C11AS32	In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	108	1.08	5.25	0.00	50.00
C11AS33	After how many drinks do you think it is unsafe to drive?	108	2.33	1.97	1.00	12.00

Descriptive Statistics for Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C11AS5	Have you ever driven a car?	285	0.79	0.41	0.00	1.00
C11AS7r	In the past year, how often have you driven a car? (recoded)	284	1.41	1.03	0.00	3.00
C11AS8	Whose car do you use when you drive – parents' suicide?	218	0.61	0.49	0.00	1.00
C11AS9	Whose car do you use when you drive – other relative's?	218	0.17	0.38	0.00	1.00
C11AS10	Whose car do you use when you drive – own?	218	0.13	0.34	0.00	1.00
C11AS11	Whose car do you use when you drive – friend's?	218	0.17	0.37	0.00	1.00
C11AS12	Whose car do you use when you drive – other?	218	0.04	0.20	0.00	1.00
C11AS14	Where do you usually go when you have the use of the car – just cruise around?	218	0.38	0.49	0.00	1.00
C11AS15	Where do you usually go when you have the use of the car – party?	218	0.05	0.22	0.00	1.00
C11AS16	Where do you usually go when you have the use of the car – friend's place?	218	0.22	0.42	0.00	1.00
C11AS17	Where do you usually go when you have the use of the car – work?	218	0.14	0.35	0.00	1.00
C11AS18	Where do you usually go when you have the use of the car – school?	218	0.15	0.35	0.00	1.00
C11AS19	Where do you usually go when you have the use of the car – other?	218	0.48	0.50	0.00	1.00
C11AS21	Have you ever driven a car after you had been drinking or had used drugs?	285	0.02	0.13	0.00	1.00
C11AS22	In the past year, how often have you driven a car after you had been drinking or had used drugs?	285	0.08	0.81	0.00	10.00
C11AS23	Have you ever caused an accident or done damage to a car?	285	0.06	0.24	0.00	1.00
C11AS24	How many times have you caused an accident or done damage to a car?	285	0.09	0.41	0.00	4.00
C11AS25	Was anyone injured or did anyone die as a result – no injury or death?	285	0.06	0.23	0.00	1.00
C11AS26	Was anyone injured or did anyone die as a result – physical injury to self?	285	0.01	0.08	0.00	1.00
C11AS28	Was anyone injured or did anyone die as a result – physical injury to others?	285	0.00	0.00	0.00	0.00
C11AS30	Was anyone injured or did anyone die as a result – death?	285	0.00	0.00	0.00	0.00
C11AS31	Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	284	0.15	0.36	0.00	1.00
C11AS32	In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	283	1.08	5.01	0.00	50.00
C11AS33	After how many drinks do you think it is unsafe to drive?	284	2.08	1.52	1.00	12.00

VII. Scale Correlations

Correlation for Full Sample

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	C11AS5	C11AS6	C11AS7r	C11AS8	C11AS9	C11AS10	C11AS11	C11AS12
C11AS5 – Have you ever driven a car?	1.000 0.000 345	0.396 0.000 345	0.685 0.000 344	.	.	.	.	.
C11AS6 – Do you have a drivers license or permit?	0.396 0.000 345	1.000 0.000 345	0.554 0.000 344	0.352 0.000 258	-0.168 0.007 258	0.120 0.055 258	-0.299 0.000 258	-0.112 0.072 258
C11AS7r – In the past year, how often have you driven a car? (recoded)	0.685 0.000 344	0.554 0.000 344	1.000 0.000 344	0.085 0.174 258	0.165 0.008 258	0.458 0.000 258	-0.098 0.116 258	-0.168 0.007 258
C11AS8 – Whose car do you use when you drive – parents’?	.	0.352 0.000 258	0.085 0.174 258	1.000 0.000 258	-0.333 0.000 258	-0.375 0.000 258	-0.322 0.000 258	-0.196 0.002 258
C11AS9 – Whose car do you use when you drive – other relative’s?	.	-0.168 0.007 258	-0.165 0.008 258	-0.333 0.000 258	1.000 0.000 258	-0.091 0.147 258	-0.122 0.050 258	-0.057 0.366 258
C11AS10 – Whose car do you use when you drive – own?	.	0.120 0.055 258	0.458 0.000 258	-0.375 0.000 258	-0.091 0.147 258	1.000 0.000 258	-0.153 0.014 258	-0.085 0.176 258
C11AS11 – Whose car do you use when you drive – friend’s?	.	-0.299 0.000 258	-0.098 0.116 258	-0.322 0.000 258	-0.122 0.050 258	-0.153 0.014 258	1.000 0.000 258	-0.011 0.860 258
C11AS12 – Whose car do you use when you drive – other?	.	-0.112 0.072 258	-0.168 0.007 258	-0.196 0.002 258	-0.057 0.366 258	-0.085 0.176 258	-0.011 0.860 258	1.000 0.000 258
C11AS14 – Where do you usually go when you have the use of the car – just cruise around?	.	-0.155 0.013 258	-0.112 0.073 258	-0.114 0.067 258	-0.044 0.487 258	-0.057 0.358 258	0.253 0.000 258	0.042 0.504 258
C11AS15 – Where do you usually go when you have the use of the car – party?	.	-0.007 0.915 258	0.157 0.012 258	-0.138 0.027 258	-0.063 0.315 258	0.124 0.047 258	0.026 0.672 258	0.117 0.060 258
C11AS16 – Where do you usually go when you have the use of the car – friend’s place?	.	0.098 0.115 258	0.340 0.000 258	-0.065 0.299 258	-0.066 0.293 258	0.316 0.000 258	-0.094 0.131 258	0.055 0.379 258
C11AS17 – Where do you usually go when you have the use of the car – work?	.	0.045 0.471 258	0.391 0.000 258	-0.106 0.090 258	-0.161 0.010 258	0.482 0.000 258	-0.106 0.088 258	-0.089 0.154 258
C11AS18 – Where do you usually go when you have the use of the car – school?	.	0.081 0.193 258	0.367 0.000 258	-0.127 0.042 258	-0.125 0.046 258	0.468 0.000 258	-0.127 0.041 258	0.023 0.716 258
C11AS19 – Where do you usually go when you have the use of the car – other?	.	0.081 0.194 258	-0.038 0.541 258	0.110 0.079 258	0.103 0.097 258	-0.124 0.046 258	-0.126 0.043 258	0.052 0.402 258
C11AS21 – Have you ever driven a car after you had been drinking or had used drugs?	0.075 0.167 345	-0.014 0.789 345	0.065 0.232 344	0.039 0.536 258	-0.079 0.207 258	0.079 0.207 258	-0.080 0.201 258	0.076 0.221 258

Pearson Correlation Coefficients								
Prob > |r| under H0: Rho=0								
Number of Observations								
	C11AS5	C11AS6	C11AS7r	C11AS8	C11AS9	C11AS1 0	C11AS1 1	C11AS1 2
C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?	0.053 0.330 345	-0.050 0.351 345	-0.004 0.942 344	-0.006 0.927 258	-0.056 0.375 258	0.009 0.884 258	-0.056 0.368 258	0.167 0.007 258
C11AS23 – Have you ever caused an accident or done damage to a car?	0.129 0.017 345	0.027 0.624 345	0.165 0.002 344	-0.225 0.000 258	-0.095 0.130 258	0.203 0.001 258	-0.020 0.744 258	0.149 0.017 258
C11AS24 – How many times have you caused an accident or done damage to a car?	0.106 0.050 345	0.028 0.600 345	0.123 0.023 344	-0.156 0.012 258	-0.086 0.170 258	0.097 0.118 258	0.026 0.672 258	0.117 0.060 258
C11AS25 – Was anyone injured or did anyone die as a result – no injury or death?	0.122 0.024 345	0.048 0.376 345	0.159 0.003 344	-0.198 0.001 258	-0.085 0.174 258	0.226 0.000 258	-0.047 0.455 258	0.090 0.151 258
C11AS26 – Was anyone injured or did anyone die as a result – physical injury to self?	0.040 0.464 345	-0.058 0.280 345	0.045 0.409 344	-0.108 0.082 258	-0.042 0.505 258	-0.034 0.588 258	0.071 0.254 258	0.190 0.002 258
C11AS28 – Was anyone injured or did anyone die as a result – physical injury to others?	. . . 345	. . . 345	. . . 344	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258
C11AS30 – Was anyone injured or did anyone die as a result – death?	. . . 345	. . . 345	. . . 344	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258
C11AS31 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.084 0.122 344	-0.101 0.061 344	0.029 0.594 343	-0.098 0.116 257	0.068 0.278 257	-0.053 0.397 257	0.141 0.024 257	0.089 0.154 257
C11AS32 – In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.010 0.853 343	-0.036 0.503 343	-0.013 0.807 342	-0.033 0.598 256	0.080 0.200 256	-0.065 0.303 256	0.056 0.371 256	0.079 0.207 256
C11AS33 – After how many drinks do you think it is unsafe to drive?	0.027 0.619 342	-0.125 0.021 342	0.065 0.230 341	0.005 0.938 256	0.024 0.700 256	-0.055 0.385 256	0.172 0.006 256	0.003 0.964 256

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	C11AS14	C11AS15	C11AS16	C11AS17	C11AS18	C11AS19	C11AS21
C11AS5 – Have you ever driven a car?	. .258	. .258	. .258	. .258	. .258	. .258	0.075 0.167 345
C11AS6 – Do you have a drivers license or permit?	-0.155 0.013 258	-0.007 0.915 258	0.098 0.115 258	0.045 0.471 258	0.081 0.193 258	0.081 0.194 258	-0.014 0.789 345
C11AS7r – In the past year, how often have you driven a car? (recoded)	-0.112 0.073 258	0.157 0.012 258	0.340 0.000 258	0.391 0.000 258	0.367 0.000 258	-0.038 0.541 258	0.065 0.232 344
C11AS8 – Whose car do you use when you drive – parents’?	-0.114 0.067 258	-0.138 0.027 258	-0.065 0.299 258	-0.106 0.090 258	-0.127 0.042 258	0.110 0.079 258	0.039 0.536 258
C11AS9 – Whose car do you use when you drive – other relative’s?	-0.044 0.487 258	-0.063 0.315 258	-0.066 0.293 258	-0.161 0.010 258	-0.125 0.046 258	0.103 0.097 258	-0.079 0.207 258
C11AS10 – Whose car do you use when you drive – own?	-0.057 0.358 258	0.124 0.047 258	0.316 0.000 258	0.482 0.000 258	0.468 0.000 258	-0.124 0.046 258	0.079 0.207 258
C11AS11 – Whose car do you use when you drive – friend’s?	0.253 0.000 258	0.026 0.672 258	-0.094 0.131 258	-0.106 0.088 258	-0.127 0.041 258	-0.126 0.043 258	-0.080 0.201 258
C11AS12 – Whose car do you use when you drive – other?	0.042 0.504 258	0.117 0.060 258	0.055 0.379 258	-0.089 0.154 258	0.023 0.716 258	0.052 0.402 258	0.076 0.221 258
C11AS14 – Where do you usually go when you have the use of the car – just cruise around?	1.000 258	0.134 0.032 258	-0.113 0.070 258	-0.129 0.039 258	-0.066 0.290 258	-0.646 0.000 258	0.007 0.907 258
C11AS15 – Where do you usually go when you have the use of the car – party?	0.134 0.032 258	1.000 258	0.212 0.001 258	0.214 0.001 258	0.277 0.000 258	-0.073 0.245 258	0.071 0.259 258
C11AS16 – Where do you usually go when you have the use of the car – friend’s place?	-0.113 0.070 258	0.212 0.001 258	1.000 258	0.260 0.000 258	0.415 0.000 258	-0.193 0.002 258	-0.034 0.585 258
C11AS17 – Where do you usually go when you have the use of the car – work?	-0.129 0.039 258	0.214 0.001 258	0.260 0.000 258	1.000 258	0.538 0.000 258	-0.129 0.039 258	0.070 0.260 258
C11AS18 – Where do you usually go when you have the use of the car – school?	-0.066 0.290 258	0.277 0.000 258	0.415 0.000 258	0.538 0.000 258	1.000 258	-0.065 0.301 258	0.005 0.930 258
C11AS19 – Where do you usually go when you have the use of the car – other?	-0.646 0.000 258	-0.073 0.245 258	-0.193 0.002 258	-0.129 0.039 258	-0.065 0.301 258	1.000 258	-0.012 0.845 258
C11AS21 – Have you ever driven a car after you had been drinking or had used drugs?	0.007 0.907 258	0.071 0.259 258	-0.034 0.585 258	0.070 0.260 258	0.005 0.930 258	-0.012 0.845 258	1.000 345
C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?	0.004 0.951 258	-0.006 0.918 258	-0.043 0.497 258	0.005 0.938 258	-0.019 0.760 258	0.072 0.251 258	0.706 0.000 345
C11AS23 – Have you ever caused an accident or done damage to a car?	0.068 0.273 258	0.071 0.258 258	0.023 0.711 258	0.101 0.107 258	0.066 0.294 258	-0.025 0.691 258	0.140 0.009 345

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	C11AS14	C11AS15	C11AS16	C11AS17	C11AS18	C11AS19	C11AS21
C11AS24 – How many times have you caused an accident or done damage to a car?	0.062 0.324 258	0.028 0.655 258	-0.020 0.750 258	0.035 0.575 258	0.015 0.810 258	-0.002 0.979 258	0.131 0.015 345
C11AS25 – Was anyone injured or did anyone die as a result – no injury or death?	0.034 0.582 258	0.082 0.191 258	0.041 0.508 258	0.118 0.057 258	0.081 0.193 258	-0.028 0.650 258	0.059 0.277 345
C11AS26 – Was anyone injured or did anyone die as a result – physical injury to self?	0.107 0.087 258	-0.020 0.745 258	-0.048 0.442 258	-0.036 0.569 258	-0.034 0.582 258	0.006 0.921 258	0.260 0.000 345
C11AS28 – Was anyone injured or did anyone die as a result – physical injury to others?	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258	. . . 345
C11AS30 – Was anyone injured or did anyone die as a result – death?	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258	. . . 258	. . . 345
C11AS31 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.070 0.264 257	0.124 0.047 257	-0.038 0.548 257	-0.042 0.500 257	-0.028 0.661 257	-0.026 0.673 257	0.224 0.000 344
C11AS32 – In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.003 0.964 256	-0.007 0.918 256	0.014 0.821 256	-0.065 0.303 256	-0.064 0.308 256	0.042 0.504 256	0.114 0.035 343
C11AS33 – After how many drinks do you think it is unsafe to drive?	0.116 0.064 256	0.064 0.307 256	-0.057 0.361 256	-0.069 0.270 256	-0.138 0.027 256	0.013 0.834 256	0.309 0.000 342

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	C11AS22	C11AS23	C11AS24	C11AS25	C11AS26	C11AS28	C11AS30
C11AS5 – Have you ever driven a car?	0.053 0.330 345	0.129 0.017 345	0.106 0.050 345	0.122 0.024 345	0.040 0.464 345	.	.
C11AS6 – Do you have a drivers license or permit?	-0.050 0.351 345	0.027 0.624 345	0.028 0.600 345	0.048 0.376 345	-0.058 0.280 345	.	.
C11AS7r – In the past year, how often have your driven a car? (recoded)	-0.004 0.942 344	0.165 0.002 344	0.123 0.023 344	0.159 0.003 344	0.045 0.409 344	.	.
C11AS8 – Whose car do you use when you drive – parents’?	-0.006 0.927 258	-0.225 0.000 258	-0.156 0.012 258	-0.198 0.001 258	-0.108 0.082 258	.	.
C11AS9 – Whose car do you use when you drive – other relative’s?	-0.056 0.375 258	-0.095 0.130 258	-0.086 0.170 258	-0.085 0.174 258	-0.042 0.505 258	.	.
C11AS10 – Whose car do you use when you drive – own?	0.009 0.994 258	0.203 0.001 258	0.097 0.118 258	0.226 0.000 258	-0.034 0.588 258	.	.
C11AS11 – Whose car do you use when you drive – friend’s?	-0.056 0.368 258	-0.020 0.744 258	0.026 0.672 258	-0.047 0.455 258	0.071 0.254 258	.	.
C11AS12 – Whose car do you use when you drive – other?	0.167 0.007 258	0.149 0.017 258	0.117 0.060 258	0.090 0.151 258	0.190 0.002 258	.	.
C11AS14 – Where do you usually go when you have the use of the car – just cruise around?	0.004 0.951 258	0.068 0.273 258	0.062 0.324 258	0.034 0.582 258	0.107 0.087 258	.	.
C11AS15 – Where do you usually go when you have the use of the car – party?	-0.006 0.918 258	0.071 0.258 258	0.028 0.655 258	0.082 0.191 258	-0.020 0.745 258	.	.
C11AS16 – Where do you usually go when you have the use of the car – friend’s place?	-0.043 0.497 258	0.023 0.711 258	-0.020 0.750 258	0.041 0.508 258	-0.048 0.442 258	.	.
C11AS17 – Where do you usually go when you have the use of the car – work?	0.005 0.938 258	0.101 0.107 258	0.035 0.575 258	0.118 0.057 258	-0.036 0.569 258	.	.
C11AS18 – Where do you usually go when you have the use of the car – school?	-0.019 0.760 258	0.066 0.294 258	0.015 0.810 258	0.081 0.193 258	-0.034 0.582 258	.	.
C11AS19 – Where do you usually go when you have the use of the car – other?	0.072 0.251 258	-0.025 0.691 258	-0.002 0.979 258	-0.028 0.650 258	0.006 0.921 258	.	.
C11AS21 – Have you ever driven a car after you had been drinking or had used drugs?	0.706 0.000 345	0.140 0.009 345	0.131 0.015 345	0.059 0.277 345	0.260 0.000 345	.	.
C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?	1.000 345	0.142 0.008 345	0.173 0.001 345	-0.006 0.908 345	0.455 0.000 345	.	.
C11AS23 – Have you ever caused an accident or done damage to a car?	0.142 0.008 345	1.000 345	0.821 0.000 345	0.946 0.000 345	0.308 0.000 345	.	.

Pearson Correlation Coefficients							
Prob > |r| under H0: Rho=0							
Number of Observations							
	C11AS22	C11AS23	C11AS24	C11AS25	C11AS26	C11AS28	C11AS30
C11AS24 – How many times have you caused an accident or done damage to a car?	0.173 0.001 345	0.821 0.000 345	1.000 345	0.665 0.000 345	0.581 0.000 345	.	.
C11AS25 – Was anyone injured or did anyone die as a result – no injury or death?	-0.006 0.908 345	0.946 0.000 345	0.665 0.000 345	1.000 345	-0.018 0.740 345	.	.
C11AS26 – Was anyone injured or did anyone die as a result – physical injury to self?	0.455 0.000 345	0.308 0.000 345	0.581 0.000 345	-0.018 0.740 345	1.000 345	.	.
C11AS28 – Was anyone injured or did anyone die as a result – physical injury to others?	.	.	.	.	.	.	.
C11AS30 – Was anyone injured or did anyone die as a result – death?	.	.	.	.	.	.	.
C11AS31 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.130 0.016 344	0.038 0.485 344	0.063 0.242 344	0.014 0.794 344	0.073 0.175 344	.	.
C11AS32 – In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.166 0.002 343	-0.004 0.942 343	0.047 0.386 343	-0.035 0.523 343	0.084 0.119 343	.	.
C11AS33 – After how many drinks do you think it is unsafe to drive?	0.062 0.253 342	0.063 0.247 342	0.067 0.214 342	0.046 0.401 342	0.059 0.280 342	.	.

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations			
	C11AS31	C11AS32	C11AS33
C11AS5 – Have you ever driven a car?	0.084 0.122 344	0.010 0.853 343	0.027 0.619 342
C11AS6 – Do you have a drivers license or permit?	-0.101 0.061 344	-0.036 0.503 343	-0.125 0.021 342
C11AS7r – In the past year, how often have you driven a car? (recoded)	0.029 0.594 343	-0.013 0.807 342	0.065 0.230 341
C11AS8 – Whose car do you use when you drive – parents’?	-0.098 0.116 257	-0.033 0.598 256	0.005 0.938 256
C11AS9 – Whose car do you use when you drive – other relative’s?	0.068 0.278 257	0.080 0.200 256	0.024 0.700 256
C11AS10 – Whose car do you use when you drive – own?	-0.053 0.397 257	-0.065 0.303 256	-0.055 0.385 256
C11AS11 – Whose car do you use when you drive – friend’s?	0.141 0.024 257	0.056 0.371 256	0.172 0.006 256
C11AS12 – Whose car do you use when you drive – other?	0.089 0.154 257	0.079 0.207 256	0.003 0.964 256
C11AS14 – Where do you usually go when you have the use of the car – just cruise around?	0.070 0.264 257	0.003 0.964 256	0.116 0.064 256
C11AS15 – Where do you usually go when you have the use of the car – party?	0.124 0.047 257	-0.007 0.918 256	0.064 0.307 256
C11AS16 – Where do you usually go when you have the use of the car – friend’s place?	-0.038 0.548 257	0.014 0.821 256	-0.057 0.361 256
C11AS17 – Where do you usually go when you have the use of the car – work?	-0.042 0.500 257	-0.065 0.303 256	-0.069 0.270 256
C11AS18 – Where do you usually go when you have the use of the car – school?	-0.028 0.661 257	-0.064 0.308 256	-0.138 0.027 256
C11AS19 – Where do you usually go when you have the use of the car – other?	-0.026 0.673 257	0.042 0.504 256	0.013 0.834 256
C11AS21 – Have you ever driven a car after you had been drinking or had used drugs?	0.224 0.000 344	0.114 0.035 343	0.309 0.000 342
C11AS22 – In the past year, how often have you driven a car after you had been drinking or had used drugs?	0.130 0.016 344	0.166 0.002 343	0.062 0.253 342
C11AS23 – Have you ever caused an accident or done damage to a car?	0.038 0.485 344	-0.004 0.942 343	0.063 0.247 342

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations			
	C11AS31	C11AS32	C11AS33
C11AS24 – How many times have you caused an accident or done damage to a car?	0.063 0.242 344	0.047 0.386 343	0.067 0.214 342
C11AS25 – Was anyone injured or did anyone die as a result – no injury or death?	0.014 0.794 344	-0.035 0.523 343	0.046 0.401 342
C11AS26 – Was anyone injured or did anyone die as a result – physical injury to self?	0.073 0.175 344	0.084 0.119 343	0.059 0.280 342
C11AS28 – Was anyone injured or did anyone die as a result – physical injury to others?	. . . 344	. . . 343	. . . 342
C11AS30 – Was anyone injured or did anyone die as a result – death?	. . . 344	. . . 343	. . . 342
C11AS31 – Have you ever been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	1.000 344	0.500 0.000 343	0.164 0.002 341
C11AS32 – In the past year, how many times have you been a passenger in a car driven by someone who had been drinking or who had used drugs prior to driving?	0.500 0.000 343	1.000 344	0.040 0.457 340
C11AS33 – After how many drinks do you think it is unsafe to drive?	0.164 0.002 341	0.040 0.457 340	1.000 342