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| **Alcohol - Lifetime Abuse and Dependence** |
| **Protocol Id** | 30501 |
| **Description of Protocol** | Measurement of respondent's symptoms of alcohol abuse and dependence. These responses correspond with criteria from the *Diagnostic and Statistical Manual of Mental Disorders* (4th ed.; *DSM-IV*). |
| **Specific Instructions** | Respondents are only asked this question if they answered "yes" to the Alcohol - Lifetime Use measure. |
| **Protocol Text** | 1. At what age did you begin to drink regularly; that is, drinking at least once a month for 6 months or more?

IF NEVER, CODE 00.AGE: \_\_\_ \_\_\_ [ ] DON’T KNOW / REFUSED1. How old were you the first time you got drunk, that is, your speech was slurred or you were unsteady on your feet?

IF NEVER, CODE 00.AGE: \_\_\_ \_\_\_ [ ] DON’T KNOW / REFUSED1. In your lifetime, what is the largest number of drinks you have ever had in a 24-hour period (including all types of alcohol)?

\_\_\_ \_\_\_ \_\_\_ DRINKS [ ] DON’T KNOW / REFUSEDIF QUESTION 3 = 3 DRINKS OR FEWER (LIFETIME) THEN NO ADDITIONAL QUESTIONS ARE ASKED. IF QUESTION 1 AND QUESTION 2 ARE BOTH CODED 00, NO ADDITIONAL QUESTIONS ARE ASKED. ALL OTHERS CONTINUE WITH QUESTION 4.1. Did you ever become tolerant to alcohol; that is, you drank a great deal more in order to get an effect, or found you could no longer get high on the amount you used to drink?

SHOW RESPONDENT CARD E2. [ ] NO (SKIP TO Question 4.2)[ ] YES[ ] DON’T KNOW / REFUSED4.1. WAS INCREASE 50% OR MORE? (INTERVIEWER SHOULD CHECK CARD E2 TO ASSESS IF RESPONSE IS A 50% INCREASE). [ ] NO[ ] YES (MARK TALLY SHEET A AND SKIP TO Question 5)[ ] DON’T KNOW / REFUSED4.2. Did you ever find you could drink a lot more before you got drunk? [ ] NO (SKIP TO Question 5)[ ] Yes[ ] DON’T KNOW / REFUSED* 1. WAS INCREASE 50% OR MORE?

CHECK CARD E2. [ ] NO[ ] YES[ ] DON’T KNOW / REFUSED1. Have you 3 or more times wanted to stop or cut down on drinking? DO NOT COUNT DIETING OR PREGNANCY.

[ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED5.1 Have you ever tried to stop or cut down on drinking? COUNT ANY REASON. [ ] NO (SKIP TO Question 6)[ ] YES[ ] DON’T KNOW / REFUSED5.2. How many times were you unable to stop or cut down? IF 3 OR MORE, MARK TALLY SHEET A AND SKIP TO Question 6. IF Don’t Know, ASK Question 5.2a. OTHERS SKIP TO Question 6.\_\_\_ \_\_\_ TIMES [ ] DON’T KNOW / REFUSED5.2a. Was it 3 or more times? [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. Have you ever started drinking at times you promised yourself that you wouldn’t, or have you ever drunk more than you intended? For example, when you decided to drink 2 drinks and ended up drinking 4 or more?

[ ] NO (SKIP TO Question 7)[ ] YES[ ] DON’T KNOW / REFUSED6.1. Did this happen 3 or more times? [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. Have you ever started drinking and become drunk when you didn’t want to?

[ ] NO (SKIP TO Question 8)[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED7.1 Did this happen 3 or more times? [ ] NO[ ] YES[ ] DON’T KNOW / REFUSED1. Have you ever given up or greatly reduced important activities while drinking -- like sports, work, or associating with friends or relatives?

[ ] NO (SKIP TO Question 9)[ ] YES[ ] DON’T KNOW / REFUSED8.1. Did this happen 3 or more times or for a month or more? [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. Has there ever been a period of several days or more when you spent so much time drinking or recovering from the effects of alcohol that you had little time for anything else?

[ ] NO (SKIP TO Question 10)[ ] YES[ ] DON’T KNOW / REFUSED9.1. Did this period last for a month or more or did you have 3 or more periods like that? [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. There are several health problems that can result from long stretches of drinking. Did drinking ever cause you to have:

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|  | **No** | **Yes** | **DK/REF** |
| Liver disease or yellow jaundice? [E31\_1]  |  |  |  |
| Stomach disease or make you vomit blood? [E31\_2]  |  |  |  |
| Pancreatitis? [E31\_3] |  |  |  |
| Damage to your heart (cardiomyopathy)? [E31\_4] |  |  |  |
| Memory problems even when you weren’t drinking (so, not counting blackouts)? [E31\_6] |  |  |  |
| Any other physical health problems? IF YES, SPECIFY. [E31\_7]  |  |  |  |

SPECIFY:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_IF ALL CODED NO, SKIP TO Question 11. OTHERS CONTINUE.10.1. Did you continue to drink knowing that drinking caused you to have health problems? [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] Don’t Know/Refused1. Have you ever continued to drink when you knew you had any (other) serious physical illness or condition that might be made worse by drinking?

[ ] NO (SKIP TO Question 12)[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. Has drinking ever caused you emotional or psychological problems like:

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| --- | --- | --- | --- |
|  | **No** | **Yes** | **DK/REF** |
| Feeling depressed or uninterested in things for more than 24 hours to the point that it interfered with your functioning? [E33\_1] |  |  |  |
| Feeling jumpy or easily startled or nervous for more than 24 hours to the point that it interfered with your functioning? [E33\_2]  |  |  |  |
| Having such trouble thinking clearly for more than 24 hours that it interfered with your functioning? [E33\_3] |  |  |  |
| Feeling paranoid or suspicious of people for more than 24 hours to the point that it interfered with your relationships? [E33\_4] |  |  |  |
| Hearing, seeing, or smelling things that weren’t really there? [E33\_5] |  |  |  |

IF ALL ARE CODED NO, SKIP TO Question 13. OTHERS CONTINUE.12.1. Did you continue to drink after you knew it caused you any of these problems? [ ] NO (SKIP TO Question 13)[ ] YES (MARK TALLY SHEET A)[ ] DON’t Know/Refused1. People who cut down, stop, or go without drinking after drinking steadily for some time may not feel well. These feelings are more intense and can last longer than the usual hangover. When you stopped, cut down or went without drinking, did you ever experience any of the following problems for most of the day for 2 days or longer? **REPEAT INTRODUCTORY TEXT OFTEN.** **CODE IN COLUMN 1.**

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|  | **No**  | **Yes**  | **DK/ REF**  | **No**  | **Yes**  | **DK/ REF**  |
| 1. Did you have the shakes (hands trembling)?  |  |  |  |  |  |  |
| 2. Were you unable to sleep? |  |  |  |  |  |  |
| 3. Did you feel anxious? |  |  |  |  |  |  |
| 4. Did you feel depressed or irritable? |  |  |  |  |  |  |
| 5. Did your heart beat fast or did you sweat?  |  |  |  |  |  |  |
| 6. Did you have nausea or vomiting? |  |  |  |  |  |  |
| 7. Did you feel physically weak? |  |  |  |  |  |  |
| 8. Did you have headaches? |  |  |  |  |  |  |
| 9. Did you see or hear things that weren’t there?  |  |  |  |  |  |  |
| 10. Were you fidgety or restless? |  |  |  |  |  |  |

IF NO YES’S CODED IN COLUMN 1, SKIP TO Question 14. IF ONLY ONE SYMPTOM IS CODED YES IN Question 13, parts 1-10, SKIP TO Question 13.3. OTHERS CONTINUE.13.1. Was there ever a time when two or more of these problems occurred together? [ ] NO[ ] YES[ ] DON’T KNOW / REFUSEDIF RESPONDENT ANSWERS "No" TO QUESTION 13.1 THEN END PROTOCOL. IF RESPONDENT ANSWERS "Yes" THEN CONTINUE TO QUESTION 13.2.13.2. Which ones? **CODE IN COL. 2** **IF 2+ SYMPTOMS IN COL. 2, MARK TALLY SHEET A. NOTE QUESTIONS 3 AND 4 ARE NOT PART OF THE DSM-IV CRITERIA.** 13.3. Have you ever taken a drink to keep from having any of these problems (or to make them go away) (**REVIEW ALL YES’S CODED IN COL. 1**)? [ ] NO[ ] YES[ ] DON’T KNOW / REFUSEDIF RESPONDENT ANSWERS "No" TO QUESTION 13.3 THEN END PROTOCOL. IF RESPONDENT ANSWERS "Yes" THEN CONTINUE TO QUESTION 13.4.13.4. Did this happen 3 or more times?[ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. When you stopped, cut down, or went without drinking, did you ever have fits, seizures, or convulsions, where you lost consciousness, fell to the floor, and had difficulty remembering what happened?

[ ] NO (SKIP TO Question 15)[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED14.1. On 3 or more different occasions have you taken a drink to keep from having fits, seizures, or convulsions or to make them go away?[ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED1. When you stopped, cut down, or went without drinking, did you ever have the DT’s, that is, where you were very confused, extremely shaky, felt very frightened or nervous, or saw things that weren’t really there?

[ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSEDIF RESPONDENT ANSWERS "No" TO QUESTION 15 THEN END PROTOCOL. IF RESPONDENT ANSWERS "Yes" THEN CONTINUE TO QUESTION 15.1.15.1. On 3 or more different occasions have you taken a drink to keep from having the DT’s or to make them go away? [E39C] [ ] NO[ ] YES (MARK TALLY SHEET A)[ ] DON’T KNOW / REFUSED**ALCOHOL TALLY SHEET A - DSM-IV CRITERIA****This Tally Sheet is used for assessing an abuse and dependence diagnosis. The question numbers are listed in black in the left hand column. The corresponding variable name is listed below the question number in blue. This variable name is also used by the SAS coding algorithm below.**

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| \_\_\_\_\_\_\_ Question 4  | Needed 50% more alcohol to get an effect  |  |
| \_\_\_\_\_\_\_ Question 4.1  | Could drink 50% more alcohol before getting drunk  | BOX 1:\_\_\_\_\_\_\_  |

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| \_\_\_\_\_\_\_ Question 5  | Wanted to stop or cut down 3+ times  |  |
| \_\_\_\_\_\_\_ Question 5.1a  | Tried but was unable to stop or cut down 3+ times  | BOX 2:\_\_\_\_\_\_\_  |

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| \_\_\_\_\_\_\_ Question 6.1  | Drank more than intended, more days in row than intended, or when promised self wouldn’t 3+ times  |  |
| \_\_\_\_\_\_\_ Question 7.1  | Became drunk when didn’t want to 3+ times  | BOX 3:\_\_\_\_\_\_\_  |
|   |
| \_\_\_\_\_\_\_ Question 8.1  | Gave up or greatly reduced important activities to drink 3+ times or for 1+ month  | BOX 4:\_\_\_\_\_\_\_  |

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| \_\_\_\_\_\_\_ Question 9.1  | Drinking or recovering from effects left little time for anything else for 1+ month or 3+ times  | BOX 5:\_\_\_\_\_\_\_  |

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| \_\_\_\_\_\_\_ Question 10.1  | Continued to drink knowing alcohol caused health Problems  |  |
| \_\_\_\_\_\_\_ Question 11  | Continued to drink despite serious physical illness  |  |
| \_\_\_\_\_\_\_ Question 12.1  | Continued to drink knowing alcohol caused emotional Problems  | BOX 6:\_\_\_\_\_\_\_  |

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| \_\_\_\_\_\_\_ Question 13.2  | Experienced 2+ withdrawal symptoms from Column III  |  |
| \_\_\_\_\_\_\_ Question 13.4  | Drank to relieve or avoid withdrawal symptoms 3+ times  |  |
| \_\_\_\_\_\_\_ Question 14  | Had fits or seizures from drinking  |  |
| \_\_\_\_\_\_\_ Question 14.1  | Drank to relieve or avoid fits or seizures 3+ times  |  |
| \_\_\_\_\_\_\_ Question 15  | Had the DT’s from drinking  |  |
| \_\_\_\_\_\_\_ Question 15.1 | Drank to relieve or avoid the DT’s 3+ times  | BOX 7:\_\_\_\_\_\_\_  |

 Card E1Card E1 Card E2Card E2 |
| **Selection Rationale** | The Semi-Structured Assessment for the Genetics of Alcoholism (SSAGA), expressly developed for the Collaborative Study on the Genetics of Alcoholism (COGA), is a polydiagnostic psychiatric interview that covers the major psychiatric disorders. SSAGA II (revised 1997) covers the major psychiatric disorders in *DSM-IV* and provides complete diagnoses in *DSM-IV*, the *Diagnostic and Statistical Manual of Mental Disorders* (3rd ed., rev.; *DSM-III-R*), and the *International Statistical Classification of Diseases and Related Problems* (10th rev.; *ICD-10*). Unique features of the SSAGA compared to other structured research interviews include attention to making diagnoses according to several criteria systems, the addition of nondiagnostic items for phenotyping of alcoholism, and attention to comorbidity of alcohol/substance diagnoses in relation to other non-substance abuse disorders. |
| **Source** | Semi-Structured Assessment for the Genetics of Alcoholism II (SSAGA II) (questions E5, E5A, E6, E9, E9D, E9E, E9I, E10, E10B, E10D, E10D1, E12, E12C, E13, E13B, E14, E14B, E15, E15A, E31, E31B, E32, E33, E33A, E37, E37C, E37D, E37H, E37I, E38, E38C, E39, E39C). The SSAGA was expressly developed for Collaborative Study on the Genetics of Alcoholism (COGA), which is supported by the National Institutes of Health (NIH) Grant U10AA08401 from the NIAAA. |
| **Language** | English |
| **Participant** | ≥18 years of age |
| **Personnel and Training Required** | Interviewer must be trained and found to be competent to conduct personal interviews with individuals from the general population. The interviewer should be trained to prompt respondents further if a "don't know" response is provided. |
| **Equipment Needs** | The Semi-Structured Assessment for the Genetics of Alcoholism II (SSAGA II) instrument was developed to be administered by paper-and-pencil and computer formats. |
| **Standards** |

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| **Standard** | **Name** | **ID** | **Source** |
| Common Data Element (CDE) | Alcohol Lifetime Dependence And Abuse Indicator | 2820811 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=2820811&version=1.0) |
| Logical Observation Identifiers Names and Codes (LOINC) | Alcohol lifetime abuse proto | 62551-7 | [LOINC](http://s.details.loinc.org/LOINC/62551-7.html?sections=Web) |

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| **General References** | American Psychiatric Association. (2000). Diagnostic and statistical manual of mental disorders (4th ed., text revision). Washington, DC: Author.Bucholz, K. K., Cadaret, R., Cloniger, C. R., Dinwiddie, S. H., Hesselbrock, V. M., Nurnberger, J. I., Jr., Reich, T., Schmidt, I., & Schuckit, M. A. (1994). A new semi-structured psychiatric interview for use in genetic linkage studies: A report on the reliability of the SSAGA. *Journal of Studies on Alcohol*, *55,* 149-158.Bucholz, K. K,, Hesselbrock, V. M., Shayka, J. J., Nurnberger, J. I., Jr., Schuckit, M. A., Schmidt, I., & Reich, T. (1995). Reliability of individual diagnostic criterion items for psychoactive substance dependence and the impact on diagnosis. *Journal of Studies on Alcohol*, *56,* 500-505.Hesselbrock, M., Easton, C., Bucholz, K. K., Schuckit, M., & Hesselbrock, V. (1999). A validity study of the SSAGA - A comparison with the SCAN. *Addiction*, *94*(9), 1361-1370.Companion SSAGA instruments for use with children, ages 7-12 (C-SSAGA-C), adolescents, ages 13-17 (C-SSAGA-A), and for interviewing parents about their children (C-SSAGA-P) are also available. Please refer to the Collaborative Study on the Genetics of Alcoholism website for information.For materials to aid primary care physicians during routine office visits in identifying and advising patients at risk for or experiencing alcohol problems, please refer to the National Institute on Alcohol Abuse and Alcoholism's *Physicians' Guide to Helping Patients With Alcohol Problems*. |
| **Protocol Type** | Interviewer-administered questionnaire |
| **Derived Variables** | None |
| **Requirements** |

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| **Requirement Category** | **Required** |
| Major equipmentThis measure requires a specialized measurement device that may not be readily available in every setting where genome wide association studies are being conducted. Examples of specialized equipment are DEXA, Echocardiography, and Spirometry | No |
| Specialized trainingThis measure requires staff training in the protocol methodology and/or in the conduct of the data analysis. | No |
| Specialized requirements for biospecimen collectionThis protocol requires that blood, urine, etc. be collected from the study participants. | No |
| Average time of greater than 15 minutes in an unaffected individualAverage time of greater than 15 minutes in an unaffected individual | No |

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| **Process and Review:** | The Expert Review Panel has not reviewed this measure yet. |