# Profile of An Adolescent Problem Drinker

Paul D. Forney, MD, Mary Ann Forney, PhD, and William K. Ripley, EdD Augusta, Georgia

A study was conducted to determine what sociocultural and demographic variables can be used to identify potential problem drinkers among adolescents in middle school and high school. Three thousand seventeen students were administered an in-depth questionnaire regarding their knowledge, attitudes, and behavior toward the use of alcohol. Twenty schools in six school districts in the two-state area of Georgia and South Carolina participated in the study.

A number of analyses indicated that the student heavy drinker was most typically male, white, and between the ages of 14 and 15 years with an above average knowledge about alcohol and liberal attitudes toward alcohol use. The adolescent heavy drinker is more likely to have parents and best friends who are heavy drinkers, to have had his first encounter with alcohol at an early age, to drink with friends his own age, and to feel that almost all of his friends drink. Results of this study can be used by family physicians in the management of potential alcohol abusers. Early recognition and intervention by the family physician may help to reduce the alarming number of adolescents who are struggling with problems related to alcohol.

In the general populace of the United States, approximately 100 million people, aged 15 years and up, drink alcoholic beverages. With the current rate of alcohol abuse and alcoholism estimated to involve 10 percent of the adult population, it is also estimated that the family physician sees one or two patients daily who have problems with alcohol. With an apparent increase in the number of adolescents falling into this category, the family physician needs to identify potential alcohol abusers at an early age.

Alcohol is the most widely used drug by young people between the ages of 12 and 17 years. It is used far more than are marijuana, cocaine, stimulants, tranquilizers, and opiates combined.<sup>2</sup> The average age of a teenager's first experience with alcohol is 11 years, younger than the age of 14 years two decades ago.<sup>2,3</sup>

Nearly 45 percent of traffic accidents in the group aged 16 to 24 years are alcohol related. One out of five people driving at night is legally drunk; the drunk driver is most likely to be single, male, and under the age of 25 years. Suicide among young people aged 15 to 24 years has in-

creased significantly, and alcohol has been implicated in four out of five suicide attempts.<sup>5</sup> Alcohol is also associated with criminal behavior among young persons, including homicide.<sup>6</sup>

A number of studies have indicated that young men drink more than young women,<sup>7,8</sup> whites more than minorities,<sup>9,10</sup> and older adolescents more than young students.<sup>11</sup> Parental<sup>12,13</sup> and peer<sup>14,15</sup> influences have also contributed to problem drinking among adolescents.

The purpose of this study was to develop a profile of adolescents who have classified themselves as heavy (problem) drinkers. This profile included social, cultural, and demographic risk factors that may be associated with alcohol use and abuse.

#### **METHODS**

A four-part questionnaire was developed and field tested in two pilot studies. <sup>16</sup> Students completed a knowledge test on the nature and effects of alcohol, responded to questions about their attitudes toward alcohol use, and gave a self-report about their drinking behaviors and the drinking behaviors of their parents and best friends.

In addition, a panel of 25 specialists in the field of alcohol abuse evaluated the four drinking categories and reached consensus as to what constituted light, moderate,

Submitted, revised, January 11, 1988.

From the Department of Family Medicine, Medical College of Georgia, Augusta, Georgia, and the Educational Research Laboratory, University of Georgia, Athens, Georgia. Presented at the 39th Annual Meeting of the American Academy of Family Physicians, San Francisco, California, September 15, 1987. Requests for reprints should be addressed to Dr. Paul D. Forney, Department of Family Medicine, Medical College of Georgia, Augusta, GA 30912-5470.

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and heavy drinking in students aged under 16 years, students aged over 16 years, and parents (Appendix).

Twenty schools in six school districts in the two-state area of Georgia and South Carolina participated in the study. Eleven schools were located in urban and suburban areas with a population of 50,000 to 1 million. Nine schools were located in small towns or rural areas with a population of 10,000 or less. A total of 3,017 students participated.

Classroom teachers administered the questionnaire to students enrolled in the 6th-, 8th-, 10th-, and 12th-grade classes. The principal of each school was asked to select heterogeneous classes that were representative of the school population. Twenty-four questionnaires were eliminated prior to analysis because of insufficient data.

The sample was sufficiently large in number and, according to demographic information on students in the Southeast region of the United States, was representative of the total school population: 47.6 percent were boys; 56.6 percent were white, 39.5 percent black; 21.3 percent were sixth graders, 22.8 percent eighth graders, 29.8 percent tenth graders, and 26.1 percent 12th graders; 83.1 percent were Protestant, 10.2 percent Catholic; 61.3 percent lived in urban areas; and 49.3 percent lived with both natural parents.

### RESULTS

Eighty percent of the sample had tried alcohol at some time in their life; more than one third (39.2 percent) had first tried alcohol when they were younger than 11 years old. Over one half (51.2 percent) took their first drink in their own home under parental supervision. The number of abstainers decreased as the students got older. The number of heavy drinkers increased dramatically at 12 years of age (from 2.3 percent for those 11 years of age to 14.4 percent for those 12 to 13 years of age). The majority of drinking students under 12 years of age usually drank with parents or other adults (71.4 percent), but after the age of 13 years, this trend changed, with an ever-increasing percentage indicating that they drank with friends their own age (50.5 percent among those aged 14 to 15 years, 69.2 percent among those aged 16 to 17 years, and 72.8 percent of those over age 17 years). Most did not perceive peer pressure to drink (69.1 percent). An overwhelming number, 90.7 percent, indicated that they did not exert pressure on others to drink.

Student drinking behavior was correlated significantly with knowledge about alcohol. The more liberal a student's drinking habits, the more knowledge that student had about the nature and effects of alcohol. The student heavy drinker had more liberal attitudes than the moderate, light, or nondrinker regarding unacceptable uses of

alcohol, such as getting drunk, drinking to solve problems, or drinking to overcome shyness. The heavy drinker also had more liberal attitudes toward acceptable uses of alcohol than either the light drinker or the abstainer, such as drinking with the family at mealtime, drinking for religious purposes, or drinking on special occasions such as birthdays or weddings. These findings were not found to differ by age, race, or sex.

The percentages for each drinking category by sex, race, age, and mother's, father's, and best friend's drinking behaviors are shown in Table 1. Significant relationships were found between sex and student drinking behavior, race, age, mother's drinking behavior, father's drinking behavior, and best friend's drinking habits. The student most likely to be self-classified as a heavy drinker was male, white, aged between 14 and 15 years, and had parents and best friends who were heavy drinkers.

While the findings between mothers' drinking behavior and that of the subjects were consistent for both sexes and races, female students, minority students, and respondents younger than 12 years or between the ages of 12 and 13 years seemed to be more profoundly affected by (had drinking patterns similar to) the mother's heavy drinking than were male students, white students, and students in the three older age groups. In a more positive sense, student abstainers were more likely to have nondrinking mothers. This finding was consistent across categories of sex, race, and age.

As with the mother who is a heavy drinker, female and minority students seem to be affected more adversely by the heavy drinking behavior of the father than were the male and white students; however, students tended to identify their drinking behaviors more with both parents at a younger age.

A strong association was found between student drinking behavior and that of his or her best friend. Students typically perceive their best friend to have the same drinking behavior as their own. This effect was evident across categories of race, sex, and age.

The percentages for each drinking category by a number of sociocultural variables are provided in Table 2. Significant relationships were found between the student's drinking behavior and religion, mother's work status, age of first drink, where student had first drink, with whom student drinks, number of friends who drink, where student obtains alcohol, type of alcohol consumed, how much a student's friends drink, amount of pressure to drink, how much pressure they exert on others to drink, and peer pressure vs parental disapproval to drink.

Students who classified themselves as heavy drinkers were more likely to be non-Protestant, have had their first drink by 11 years of age, have had their first drink in an automobile, drink with friends their own age, have indicated that all of their friends not only drink, but drink as

TABLE 1. STUDENT DRINKING BEHAVIOR BY SEX, RACE, AGE, AND PARENTAL AND FRIENDS' DRINKING PATTERNS

| and a second supplied to the same |                          | Drinking Behavior |                        |  |              |  |  |  |
|-----------------------------------|--------------------------|-------------------|------------------------|--|--------------|--|--|--|
| Variables                         | Percent of Total Sample  | Abstain<br>(%)    | Light (%)              | Moderate<br>(%)  | Heavy<br>(%) |  |  |  |
| Sex                               | La ancali de la Pala     |                   |                        |  |              |  |  |  |
| $(\chi^2 = 57.98, P < .0001)$     | 45.0                     | 41.2              | 42.6                   | 47.8   | 62.6         |  |  |  |
| Male                              | 45.9                     | 58.8              | 57.4                   | 52.2   | 37.4         |  |  |  |
| Female                            | 54.1                     | 30.0              | 57.4                   | 52.2   | 07.4         |  |  |  |
| Race                              |                          |                   |                        |  |              |  |  |  |
| $(\chi^2 = 154.11, P < .0001)$    | 50.0                     | 40.0              | 58.4                   | 68.7   | 80.2         |  |  |  |
| White                             | 58.6                     | 46.8              | 41.6                   | 31.3   | 19.7         |  |  |  |
| Minority                          | 41.4                     | 53.2              | 41.0                   | 31.3   | 19.7         |  |  |  |
| Age in years                      |                          |                   |                        |  |              |  |  |  |
| $(\chi^2 = 248.35, P < .0001)$    | Burn Andrews Comments of | 101               | 7.4                    | 17   | 2.3          |  |  |  |
| Under 12                          | 7.7                      | 12.1              | 7.4                    | 1.7<br>10.7  | 14.4         |  |  |  |
| 12–13                             | 20.8                     | 28.2              | 19.2                   | 18.2   | 38.4         |  |  |  |
| 14–15                             | 26.1                     | 25.9              | 24.1                   | 41.5   | 27.3         |  |  |  |
| 16–17                             | 29.7                     | 24.5              | 31.9                   | 27.9   | 17.7         |  |  |  |
| Over 17                           | 15.8                     | 9.3               | 17.4                   | 27.9   | 17.7         |  |  |  |
| Mother's drinking behavior        |                          |                   |                        |  |              |  |  |  |
| $(\chi^2 = 248.09, P < .0001)$    |                          |                   | NAME OF TAXABLE PARTY. | Reference of the contract of t | 00.0         |  |  |  |
| Abstain                           | 46.2                     | 63.7              | 35.5                   | 33.3   | 32.6         |  |  |  |
| Light                             | 37.7                     | 26.3              | 48.4                   | 42.5   | 43.2         |  |  |  |
| Moderate                          | 12.7                     | 9.2               | 12.3                   | 19.4   | 15.9         |  |  |  |
| Heavy                             | 3.4                      | .8                | 3.9                    | 4.7  | 8.2          |  |  |  |
| Father's drinking behavior        |                          |                   |                        |  |              |  |  |  |
| $(\chi^2 = 161.35, P < .0001)$    |                          |                   |                        | OF WEST STORY MEN AND  |              |  |  |  |
| Abstain                           | 31.5                     | 46.1              | 21.4                   | 21.8   | 21.8         |  |  |  |
| Light                             | 31.4                     | 25.9              | 40.1                   | 32.1   | 29.1         |  |  |  |
| Moderate                          | 21.8                     | 18.0              | 22.1                   | 26.1   | 26.4         |  |  |  |
| Heavy                             | 15.4                     | 10.0              | 16.4                   | 20.0   | 22.7         |  |  |  |
| Friend's drinking behavior        |                          |                   |                        |  |              |  |  |  |
| $(\chi^2 = 1798.95, P < .0001)$   |                          |                   |                        | The contraction of Adjusters   | PROPERTY.    |  |  |  |
| Abstain                           | 38.1                     | 74.7              | 20.1                   | 6.6  | 7.1          |  |  |  |
| Light                             | 19.3                     | 10.0              | 45.6                   | 10.6   | 4.5          |  |  |  |
| Moderate                          | 17.6                     | 6.6               | 16.9                   | 52.8   | 12.9         |  |  |  |
| Heavy                             | 24.9                     | 8.7               | 17.4                   | 30.0   | 75.5         |  |  |  |

much as they do, obtain alcohol from a store, and prefer liquor over beer and wine as their alcohol of choice.

The relationship between student drinking behavior and whether students feel peer pressure to drink was significant only for male students, white students, and students in the two younger and the older age categories. Heavy drinkers did not differ appreciably from the total sample in the amount of perceived peer pressure to drink; however, heavy drinkers did indicate that they typically exert pressure on others to drink.

Students were asked what they would do if they received a high amount of pressure from peers to drink knowing that their parents were totally against such behavior. Students classified as heavy drinkers responded that they would drink and not tell their parents. Abstainers stated that they would get out of the crowd. These findings were significant across categories of sex, race, and age.

#### DISCUSSION

The results of this study provide an in-depth profile of an adolescent who is self-classified as a heavy (problem) drinker. The category of heavy drinker reflects a student who is drinking frequently and in amounts considered excessive for his or her age bracket. The adolescent heavy drinker is portrayed statistically as male, white, non-Protestant, aged 14 to 15 years, with either one or both parents who drink heavily, and whose best friend is also a heavy drinker. The relationship between the drinking habits of the student and his friends' drinking behavior is strong; an adolescent heavy drinker is more likely to drink with friends his own age who have similar patterns of behavior. The adolescent problem drinker began drinking early (before the age of 12 years), first consumed alcohol outside of the home, prefers liquor over beer and wine, and obtains

TABLE 2. STUDENT DRINKING BEHAVIOR AND SOCIOCUI TURAL VARIABLES

|   |  | Drinking Behavior     |              |                  |  |  |  |
|---|--|-----------------------|--------------|------------------|--|--|--|
| Variables   | Percent of<br>Total Sample   | Abstain (%)           | Light (%)    | Moderate<br>(%)  | Heavy<br>(%)   |  |  |
| Religion ( $x^2 = 13.29$ , P < .005)                              | New Contraction  |                       | HIEF STA     | THE PARTY OF THE |  |  |  |
| Protestant  | 83.5   | 85.9                  | 84.3         | 80.3             | 79.0   |  |  |
| Non-Protestant  | 16.5   | 14.1                  | 15.7         | 19.7             | 21.0   |  |  |
| Mother's work status ( $\chi^2 = 16.36$ , P < .05)                | in the state of th |                       |              | 180000 - 80      | 21.0   |  |  |
| Full time   | 56.6   | 54.0                  | 54.8         | 64.6             | 58.9   |  |  |
| Part time   | 16.4   | 16.6                  | 17.3         | 13.9             | 16.7   |  |  |
| Housewife   | 27.0   | 29.4                  | 27.9         | 21.5             | 24.4   |  |  |
| Age (years) of first drink ( $\chi^2 = 40.99$ , P < .0001)        | in historia  | 20.1                  | 27.0         |                  | 24.4   |  |  |
| Under 11  | 39.2   | 38.4                  | 38.0         | 33.8             | 48.1   |  |  |
| 11–12   | 19.5   | 18.7                  | 20.8         | 18.8             | 18.8   |  |  |
| 13–14   | 22.4   | 21.5                  | 20.2         | 26.8             | 23.1   |  |  |
| 15–16   | 14.0   | 14.8                  | 15.3         | 16.3             |  |  |  |
| Over 16   | 4.9  | 6.6                   | 5.6          | 4.3              | 8.2  |  |  |
| Where first drink was taken ( $\chi^2 = 63.49$ , P < .0001)       | 4.3  | 0.0                   | 3.0          | 4.0              | 1.8  |  |  |
| Own home  | 51.2   | 55.9                  | 55.9         | 43.8             | 44.0   |  |  |
| Friend's home   | 20.8   | 16.5                  | 19.9         | 24.3             |  |  |  |
| Restaurant  | 6.2  | 6.3                   | 6.3          | 7.8              | 24.7   |  |  |
| Automobile  | 5.1  | 2.7                   | 3.4          | 6.5              | 4.1  |  |  |
| Other   | 16.6   | 18.6                  |              |                  | 10.3   |  |  |
| With whom student usually drinks ( $\chi^2 = 182.29$ , P < .0001) | 10.0   | 10.0                  | 14.5         | 17.8             | 17.0   |  |  |
| Parents   | 26.4   |                       | 41.6         | 14.3             | 100  |  |  |
| Friends, same age   | 56.3   | THE REAL PROPERTY.    |              |                  | 10.8   |  |  |
|   |  | SE PER UNI            | 45.3         | 68.4             | 64.1   |  |  |
| Friends, older Alone  | 11.5   | e syk <u>y eino</u> e | 9.1          | 12.8             | 14.6   |  |  |
| Other   | 3.0<br>2.8   |                       | 2.4          | 2.8              | 4.4  |  |  |
| Number of friends who drink ( $\chi^2 = 1060.39$ , P < .0001)     | 2.0  |                       | 1.7          | 1.8              | 6.2  |  |  |
| None None   | 19.8   | 40.6                  | 9.6          | 15               | 15   |  |  |
| Few   | 41.3   | 46.7                  |              | 1.5              | 1.5  |  |  |
| More than one half  |  |                       | 53.0         | 29.0             | 17.5   |  |  |
| Almost all  | 18.6   | 8.8                   | 21.2         | 33.8             | 24.8   |  |  |
| Where alcohol obtained ( $\chi^2 = 176.91$ , P < .0001)           | 20.3   | 3.9                   | 16.3         | 35.8             | 56.2   |  |  |
|   | 20.0   |                       | 40.0         | 00.0             | 100  |  |  |
| Parents   | 32.8   | THE RESERVE           | 49.3         | 20.0             | 16.3   |  |  |
| Friends   | 39.6   | Lane and              | 34.2         | 44.1             | 44.8   |  |  |
| Store   | 27.5   |                       | 16.5         | 35.9             | 38.9   |  |  |
| Type of alcohol consumed ( $\chi^2 = 173.96$ , P < .0001)         | 50.0   |                       | 40.5         |                  | F7.4   |  |  |
| Beer, ale   | 50.9   | -                     | 43.5         | 57.9             | 57.1   |  |  |
| Wine  | 27.3   |                       | 42.5         | 17.6             | 9.7  |  |  |
| Liquor  | 21.8   | NAME OF THE OWNER.    | 13.9         | 24.5             | 33.2   |  |  |
| How much friends drink ( $\chi^2 = 244.46$ , P < .0001)           | 55.4   | 74.7                  |              | 10.1             | 00.0   |  |  |
| More than I do  | 55.1   | 71.7                  | 54.5         | 43.1             | 28.2   |  |  |
| About the same  | 38.0   | 23.7                  | 37.9         | 50.0             | 60.8   |  |  |
| Less than I do  | 6.9  | 4.6                   | 7.6          | 6.9              | 11.0   |  |  |
| Pressure from peers ( $\chi^2 = 10.73$ , P < .05)                 | 00.0   | AND SECRETARIAN       | Maria da     | mad grades and   | 00.0   |  |  |
| Yes   | 30.9   | 27.9                  | 34.0         | 34.7             | 29.3   |  |  |
| No  | 69.1   | 72.1                  | 66.0         | 65.3             | 70.7   |  |  |
| Exert pressure on others ( $\chi^2 = 159.28$ , P < .0001)         |  |                       |              |                  | 04.0   |  |  |
| Yes   | 9.3  | 2.6                   | 7.8          | 18.0             | 21.2   |  |  |
| No N                          | 90.7   | 97.4                  | 92.2         | 82.0             | 78.8   |  |  |
| Peer pressure vs parents ( $\chi^2 = 726.39$ , P < .0001)         | ch author  | THE PERSON            | A CONTRACTOR | to regulation    | A STATE OF THE PARTY OF THE PAR |  |  |
| Drink and tell  | 7.7  | 2.2                   | 7.5          | 15.2             | 15.5   |  |  |
| Drink, not tell   | 16.7   | 1.6                   | 15.0         | 30.7             | 45.9   |  |  |
| Refuse to drink   | 37.0   | 37.6                  | 42.1         | 38.1             | 24.7   |  |  |
| Get out of crowd  | 38.6   | 58.5                  | 35.4         | 16.0             | 13.9   |  |  |

alcohol from a store. This individual has a higher-thanaverage knowledge level regarding the nature and effects of alcohol and has liberal attitudes regarding what uses of alcohol are socially acceptable or unacceptable. These findings are supported by previous studies examining the sociocultural correlates of alcohol use.<sup>7–16</sup>

Conversely, students categorized as light drinkers are more likely to drink under parental supervision in the home, have conservative attitudes about alcohol use, have parents who drink lightly or moderately, and choose friends who reflect their own patterns of behavior. These students are less likely to succumb to peer pressure to drink and will choose to leave a crowd rather than change their behavior. Those whose initial encounter with alcohol was at a later age (over 13 years of age) were less likely to become problem drinkers.

Family physicians should be cognizant of the risk factors associated with alcohol use among adolescents. If heavy drinking patterns are indicated among parents or friends, further information should be sought to determine whether the adolescent has a problem or a potential problem with alcohol abuse. No other medical specialty has a better opportunity to combat alcohol abuse in families. Early recognition and intervention by the family physician may help to reduce the alarming number of adolescents who are struggling with alcohol-related problems.

#### Acknowledgment

This study was funded by the National Institute on Alcohol Abuse and Alcoholism, grant No. 1R23-AA06863-12.

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## **APPENDIX**

## **Drinking Categories**

|                          |  | Under 15 Years            |  | Over 15 Years    |   |                     | Parent                                       |                  |                       |                  |
|--------------------------|--|---------------------------|--|------------------|---|---------------------|--|------------------|-----------------------|------------------|
| Frequency                | Amount   | Light<br>Drinker          | Medium<br>Drinker                            | Heavy<br>Drinker | Light<br>Drinker                                    | Medium<br>Drinker   | Heavy<br>Drinker                             | Light<br>Drinker | Medium<br>Drinker     | Heavy<br>Drinker |
| Yearly                   | REPLANATE DESCRIPTION  |                           | A THE WAY                                    | 3/1              |   |                     |  |                  | tage siden            |                  |
| Once or twice            | 1–2 beers or 1 glass<br>of wine or 1 shot<br>of whiskey      | ×                         | eperto<br>Perto<br>Peres                     | 1                | ×   | de descri           | gales effe<br>is sen                         | ×                | erikerin<br>Syf-tangi |                  |
| Once or twice            | 2–4 beers or 2–3<br>glasses of wine or<br>2–3 shots of       |                           | HATOLI B<br>HATOLI<br>HATOLI                 |                  |   |                     |  |                  |                       |                  |
| Once or twice            | whiskey<br>5–6 beers or 1 bot-                               | ×                         | activis                                      | -                | ×   |                     | on — 13 s<br>d = 36 18                       | ×                |                       | _                |
|                          | tle of wine or 1 pint of whiskey                             | e <u>al</u> be            | ×  | 0                | ×   | integ <u>ial</u> ts | es nativa                                    | ×                | 4. 7 <u>01</u> 578    |                  |
| Manabala                 | pint of Willottoy  |                           | · · · · · · · · · · · · · · · · · · ·        |                  | O SHOP THE  |                     |  |                  |                       |                  |
| Monthly<br>Once or twice | 1–2 beers or 1 glass<br>of wine or 1 shot                    |                           |  |                  |   |                     |  |                  |                       |                  |
| Once or twice            | of whiskey<br>2–4 beers or 2–3                               | et i <del>-</del><br>ev v | ×  | -                | ×   | _                   | <del>-</del>                                 | ×                | eleman a              |                  |
|                          | glasses of wine or<br>2–3 shots of<br>whiskey                |                           | i mud  | ×                | cas <u>il</u> A to                                  | ×                   | 100 3 7 7 10<br>(100 3 7 7 10)<br>(11 = 100) | ×                |                       | _                |
| Once or twice            | 5–6 beers or 1 bot-<br>tle of wine or 1                      |                           |  |                  |   |                     |  |                  |                       |                  |
| Three or four times      | pint of whiskey<br>1–2 beers or 1 glass<br>of wine or 1 shot |                           | olice <del>ro</del><br>Secondo di<br>Species | ×                |   | ×                   |  | <u>-</u>         | ×                     |                  |
| Three or four times      | of whiskey<br>2–4 beers or 2–3<br>glasses of wine or         |                           | GGE <del>TO</del><br>VANTUR M<br>SAVOQU      | ×                | Mare <del>lla</del> (s<br>erald ar de<br>fra callan | ×                   | eri <del>- </del> ari<br>Seri<br>Li serici   | ×                |                       |                  |
| Three or four times      | 2–3 shots of<br>whiskey<br>5–6 beers or 1 bot-               | -                         | -  | ×                | MARK (MM)   | ×                   | ANTIC HEAD                                   | -                | ×                     | -                |
|                          | tle of wine or 1 shot of whiskey                             | -                         | -  | ×                | _   | <u> </u>            | ×  | _                | ×                     | -                |
| Weekly                   |  |                           |  |                  |   |                     |  |                  |                       |                  |
| Once or twice            | 1–2 beers or 1 glass<br>of wine or 1 shot<br>of whiskey      |                           | <u> </u>                                     | ×                | _   | ×                   |  |                  | ×                     | _                |
| Once or twice            | 2–4 beers or 2–3<br>glasses of wine or<br>2–3 shots of       |                           |  |                  |   |                     |  |                  |                       |                  |
| Once or twice            | whiskey<br>5–6 beers or 1 bot-                               | end.                      | -  | ×                |   | ×                   | /  | _                | ×                     | -                |
|                          | tle of wine or 1 pint of whiskey                             | _                         | _  | ×                | _   |                     | ×  | _                | _                     | ×                |
| Daily                    |  |                           |  |                  |   |                     |  |                  |                       |                  |
| Every day                | 1–2 beers or 1 glass<br>of wine or 1 shot<br>of whiskey      |                           |  | ×                |   |                     | ×  |                  | ×                     | _                |
| Every day                | 2–4 beers or 2–3<br>glasses of wine or                       |                           |  |                  |   |                     |  |                  |                       |                  |
|                          | 2–3 shots of whiskey   | _                         | _  | ×                | _   | <del>-</del>        | ×  | _                | _                     | ×                |
| Every day                | 5–6 beers or 1 bot-<br>tle of wine or 1<br>pint of whiskey   |                           | ede sages                                    | ×                | alle in the   |                     | ×  | 4 - 41           |                       | ×                |