

## A4F07 - NOTES AND COMPUTED VARIABLES

### (Alcohol Use Questionnaire)

Skip patterns were not incorporated into the Form 07 data entry system. For this reason, one should be cautious in analyzing this data, qualifying responses based on question 1 when appropriate.

#### Computed Variables

Total amount of absolute alcohol consumed in milliliters per day has been calculated using the following algorithm for those answering "yes" to A07DRINK:

$$A07MLALC = ((A07BEER*16.7) + (A07WINE*17.02) + (A07LIQR*19.09))/7$$

Participants responding "no" to A07DRINK had A07MLALC set to 0. Participants responding "don't know" or "no answer" had A07MLALC set to missing.

**NOTE:** In contrast to the above algorithm, the algorithm for A07MLALC used in Versions 1.1, 1.2 and 1.3 slightly overestimated the milliliters of alcohol per day. The algorithm used in Version 1.4 is thought to provide a more accurate quantification of alcohol consumption (Dyer et al, Journal of Clinical Epidemiology, 1990, in press).

```

*****
* THIS CODE CREATES THE PC SAS DATA SET A4F07. *
* VERSION 1.4 OF THE CARDIA SAS FILES *
* JANUARY 1990 *
* *
* COMPUTED VARIABLE: *
* A07MLALC: ML ALCOHOL/DAY *
*****;

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OPTIONS PS=59;
LIBNAME REF 'D:\RAVISAS';
LIBNAME OUT 'D:\RAVISAS';

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```

DATA TEMP;
  INFILE 'A:\FORM07.SEQ' LRECL=86;
  MISSING M;
  INPUT CENTER 1 ID 1-12
    @ 61 A07DRINK 1.
    @ 62 ( A07WINE A07BEER A07LIQR A07PST24 A07NUMDR A07DAYMO)
      ( 2.0 )
    @ 74 A07NODRK 1. A07YRAGO 2. A07USNUM 2.
    @ 79 ( A07PSWNE A07PSBER A07PSLIQ A07PSOTH)
      ( 1.0 )
    A07IVID 83-85 A07HELP 86;

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  LENGTH A07DRINK A07WINE A07BEER A07LIQR A07PST24 A07NUMDR
    A07DAYMO A07NODRK A07YRAGO A07USNUM A07PSWNE A07PSBER
    A07PSLIQ A07PSOTH A07IVID A07HELP 3;

```

```

*****
* THE FOLLOWING CODE COMPUTES THE VARIABLE A07MLALC. *
*****;

```

```

IF A07DRINK = 2 THEN DO;
  A07MLALC = ((A07BEER*16.7) + (A07WINE*17.02) + (A07LIQR*19.09))/7;
END;

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IF A07DRINK = 1 THEN A07MLALC = 0;

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IF A07DRINK = 8 | A07DRINK = 9 THEN A07MLALC = . ;

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  LABEL A07DRINK = 'FLAG FOR DRINKER'
    A07WINE = 'DRINKS OF WINE/WEEK'
    A07BEER = 'DRINKS OF BEER/WEEK'
    A07LIQR = 'DRINKS OF LIQUOR/WEEK'
    A07PST24 = 'DRINKS DURING PAST 24 HRS'
    A07NUMDR = 'LARGEST # OF DRINKS/DAY, PAST MONTH'
    A07DAYMO = '# DAYS, PAST MO., HAD "N_DRINKS" DRINKS'
    A07NODRK = 'HAS PT HAD ALCOHOL>ONCE/TWICE, PAST YR?'
    A07YRAGO = '# YRS AGO PT STOPPED DRINKING'
    A07USNUM = 'USU # DRINKS/WK BEF PT STOPPED DRINKING'
    A07PSWNE = 'PREVIOUSLY DRANK WINE (2=YES)'
    A07PSBER = 'PREVIOUSLY DRANK BEER (2=YES)'
    A07PSLIQ = 'PREVIOUSLY DRANK LIQUOR (2=YES)'
    A07PSOTH = 'PREVIOUSLY DRANK OTHER (2=YES)'
    A07MLALC = 'ML OF ALCOHOL/DAY'
    A07IVID = 'INTERVIEWER ID NUMBER'
    A07HELP = 'PT REQ'D HELP COMPLETING FORM 07';

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```

RUN;

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```
DATA OUT.A4F07;  
  MERGE TEMP REF.ID5115(IN=INREF KEEP=ID);  
  BY ID;  
  IF INREF;  
RUN;
```

```
OPTIONS PS=59 NODATE NONUMBER;
```

```
PROC CONTENTS;  
TITLE1 'CONTENTS OF EXAM 1 V.4 FILE';  
TITLE3 'FORM 07 - ALCOHOL USE QUESTIONNAIRE';
```

```
RUN;
```

CONTENTS OF EXAM 1 V.4 FILE

FORM 07 - ALCOHOL USE QUESTIONNAIRE

CONTENTS PROCEDURE

Data Set Name:	OUT.A4F07	Type:	
Observations:	5115	Record Len:	76
Variables:	19		
Label:			

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
5	A07BEER	Num	3	26	DRINKS OF BEER/WEEK
9	A07DAYMO	Num	3	38	# DAYS, PAST MO., HAD "N_DRINKS" DRINKS
3	A07DRINK	Num	3	20	FLAG FOR DRINKER
18	A07HELP	Num	3	65	PT REQ'D HELP COMPLETING FORM 07
17	A07IVID	Num	3	62	INTERVIEWER ID NUMBER
6	A07LIQR	Num	3	29	DRINKS OF LIQUOR/WEEK
19	A07MLALC	Num	8	68	ML OF ALCOHOL/DAY
10	A07NODRK	Num	3	41	HAS PT HAD ALCOHOL>ONCE/TWICE, PAST YR?
8	A07NUMDR	Num	3	35	LARGEST # OF DRINKS/DAY, PAST MONTH
14	A07PSBER	Num	3	53	PREVIOUSLY DRANK BEER (2=YES)
15	A07PSLIQ	Num	3	56	PREVIOUSLY DRANK LIQUOR (2=YES)
16	A07PSOTH	Num	3	59	PREVIOUSLY DRANK OTHER (2=YES)
7	A07PST24	Num	3	32	DRINKS DURING PAST 24 HRS
13	A07PSWNE	Num	3	50	PREVIOUSLY DRANK WINE (2=YES)
12	A07USNUM	Num	3	47	USU # DRINKS/WK BEF PT STOPPED DRINKING
4	A07WINE	Num	3	23	DRINKS OF WINE/WEEK
11	A07YRAGO	Num	3	44	# YRS AGO PT STOPPED DRINKING
1	CENTER	Num	8	4	
2	ID	Num	8	12	

```

/* FORM07.DD      ALCOHOL USE FORM                                     */
/* "C" struct tag rec07                                           */
FLD NAME TYPE BYTES  FIELDS  DESCRIPTION                               */
/*-----BEGIN HEADER-----*/
ID          c  12  /*   1 subject id number                                           */
AO7NUM      c   2  /*  13 Form number                                                 */
AO7VER      c   1  /*  15 Form version                                                */
AO7DTSTR    c   6  /*  16 Date data entry was started for                             */
              /*      this record. Stored in YYMMDD format                       */
AO7TMSTR    c   4  /*  22 Time data entry was started for                             */
AO7DTFIN    c   6  /*  26 Date data entry was finished for this record.              */
              /*      Stored in YYMMDD format                                     */
AO7TMFIN    c   4  /*  32 Time data entry was finished for                             */
              /*      this record. Stored in HHMM format                          */
AO7DEID     c   3  /*  36 Data entry person's id number                               */
AO7RCDMS    c   1  /*  39 Flag for missing record                                     */
AO7DATMS    c   1  /*  40 Flag indicating data missing in record                       */
AO7MOD      c   1  /*  41 Indicates record has been modified and how many            */
              /*      times                                                         */
AO7TOTKY    c   3  /*  42 total number of keystrokes used keying in data             */
AO7VALKY    c   3  /*  45 number of valid characters keyed into data fields           */
AO7VERKY    c   3  /*  48 number of valid characters keyed in verify mode             */
FILLER     c  10  /*  51 left for future requirements                                 */
/*-----END HEADER-----*/

/*****
/* Viking subroutine IRANGE is used to check the coding of the following
/* fields that are longer than one byte. All of the following fields are
/* numeric only. Viking character sets check for valid codings.
*****/

AO7DRINK    c   1  /*  61 Q.1   Drink indicator, allowable code :1,2,8 and 9*/
              /*      1-no  2=yes  8-don't know  9-no answer           */
AO7WINE     c   2  /*  62 Q.2   Drinks of wine per week, range : (0-50)      */
AO7BEER     c   2  /*  64 Q.3   Drinks of beer per week, range : (0-50)       */
AO7LIQR     c   2  /*  66 Q.4   Drinks of liquor per week, range : (0-50)     */
AO7PST24    c   2  /*  68 Q.5   drinks during past 24 hour, range : (0-25)   */
AO7NUMDR    c   2  /*  70 Q.6   Largest number of drinks in one day          */
              /*      during past month , range : 0-50                 */
AO7DAYMO    c   2  /*  72 Q.7   Number of days during past month subject      */
              /*      had (days_month) drinks, range : 0-31           */
AO7NODRK    c   1  /*  74 Q.8   Has subject had alcohol more than once or     */
              /*      twice in the past year, allowable code : 1,      */
              /*      2,8,or 9, 1-no  2=yes  8-don't know             */
              /*      9-no answer                                       */
AO7YRAGO    c   2  /*  75 Q.9   How many years ago did subject stop drinking*/
              /*      range : (0-15)                                     */
AO7USNUM    c   2  /*  77 Q.10  Usual number of drinks per week before       */
              /*      subject stopped drinking, range : (0-50)         */
AO7PSWNE    c   1  /*  79 Q.11.1 Types of alcohol subject used to drink,    */
              /*      allowable code :1 or 2,  1- no, 2 - yes         */
AO7PSBER    c   1  /*  80 Q.11.2 Types of alcohol subject used to drink,    */
              /*      allowable code 1 or 2, 1-no, 2 - yes            */
AO7PSLIQ    c   1  /*  81 Q.11.3 Types of alcohol subject used to drink,    */
              /*      allowable code : 1 or 2, 1-no  2=yes           */
AO7PSOTH    c   1  /*  82 Q.11.4 other, allowable code : 1 or 2, 1-no, 2=yes */
AO7IVID     c   3  /*  83      Interviewer ID number, range not checked       */
/*

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```
*/  
A07HELP    c    1    /* 86          helped, allowable code : 1 or 2          */
```

```
/* Total number of bytes : 86, Total number of fields : 31 */
```

```
KEYS
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```
1: id_num
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