

# DHQ Alcohol: Data Dictionary

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## Document Summary

Property	Value
Document Title	DHQ Alcohol: Data Dictionary
Date Created	10/01/2024
Sections	6
Entries	43
Document Filename	dictionary_dhq_alcohol-20240930.rtf

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# DHQ Alcohol: Data Dictionary

## Section 1: Identifiers

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Variable	Label	Description	Format Text
<b>plco_id</b>	PLCO ID		Char

## Section 2: DHQ Compliance

Variable	Label	Description	Format Text
<b>age_dhq</b>	Age at DHQ	Calculated using date completed DHQ and DOB.	Numeric .= "Missing Data"
<b>dhq_compdays</b>	Days Until DHQ Completion	Days from randomization until date completed DHQ	Numeric .= "Missing Data"
<b>dhq_completed</b>	Completed DHQ?		0="No" 1="Yes"
<b>dhq_completedvalid</b>	Completed Valid DHQ?	Valid DHQ if: date of completion provided (exc_nodate_dhq) and alive when completed (exc_death_dhq) and not missing 8+ frequency responses (exc_freq_dhq) and not extreme calories (exc_kcal_dhq)	0="No" 1="Yes"
<b>exc_death_dhq</b>	Died Before DHQ Completion?	Flags participants who were deceased prior to completion of the DHQ.	.= "Missing" 0="No" 1="Yes"
<b>exc_freq_dhq</b>	8 or More Missing/Multiple Frequency Responses on DHQ?	Flags participants who missed 8 or more frequency responses	.= "Missing" 0="No" 1="Yes"
<b>exc_kcal_dhq</b>	Extreme kCal Consumption on DHQ?	Flags participants in the first and last percentile by gender	.= "Missing" 0="No" 1="Yes - 1st percentile" 2="Yes - last percentile"
<b>exc_nodate_dhq</b>	Missing DHQ Completion Date?	Flags participants with no date of completion of the DQX	.= "Missing" 0="No" 1="Yes"
<b>entryage_dhq</b>	DHQ Analysis Entry Age	Age at DHQ analysis entry	Numeric .F="No Form"
<b>entrydays_dhq</b>	DHQ Analysis Entry Days	Days from the date of randomization until participant has been randomized and completed the BQ and DHQ	Numeric .F="No Form"

## Section 5: DHQ Nutrients: Diet

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Variable	Label	Description	Format Text
<b>dt_alc_alc_drinks_dhq_f</b>	Alcohol from Beer, Wine, and Liquor (g/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 2: Nutrients (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>dt_alc_beer_dhq_f</b>	Alcohol from Beer (g/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 2: Nutrients (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>dt_alc_liquor_dhq_f</b>	Alcohol from Liquor (g/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 2: Nutrients (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>dt_alc_wine_dhq_f</b>	Alcohol from Wine (g/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 2: Nutrients (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"

## Section 8: DHQ Foods: Pyramid

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Variable	Label	Description	Format Text
<b>p_alc_dhq_f</b>	Alcohol (drinks/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 3: Pyramid (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"

## Section 9: DHQ Foods: My Pyramid Equivalents

Variable	Label	Description	Format Text
<b>mped_alc_bev_alc_drinks_dhq_f</b>	MPED Alcohol from Beer, Wine, and Liquor (drinks/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_beer_dhq_f</b>	MPED Alcohol from Beer (drinks/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_liquor_dhq_f</b>	MPED Alcohol from Liquor (drinks/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_wine_dhq_f</b>	MPED Alcohol from Wine (drinks/day) - Past 12 Months - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"

## Section 21: DHQ Drinking History

Variable	Label	Description	Format Text
<b>drinker_dhq_f</b>	Drink Alcohol? - DHQ (Final)	See Appendix 1: Alcohol (DHQ)	.F="Missing DHQ Form" .M="Missing Data" 0="No" 1="Yes"
<b>drinker_status_dhq_f</b>	Alcohol Drinking Status - DHQ (Final)	See Appendix 1: Alcohol (DHQ)	.F="Missing DHQ Form" 0="Never" 1="Former" 2="Current" 9="Unknown"
<b>mped_alc_bev_alc_drinks18_dhq_f</b>	MPED Alcohol from Beer, Wine, and Liquor - Age 18-24 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_alc_drinks25_dhq_f</b>	MPED Alcohol from Beer, Wine, and Liquor - Age 25-39 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_alc_drinks40_dhq_f</b>	MPED Alcohol from Beer, Wine, and Liquor - Age 40-54 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_alc_drinks55_dhq_f</b>	MPED Alcohol from Beer, Wine, and Liquor - Age 55+ (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_beer_18_dhq_f</b>	MPED Alcohol from Beer - Age 18-24 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_beer_25_dhq_f</b>	MPED Alcohol from Beer - Age 25-39 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_beer_40_dhq_f</b>	MPED Alcohol from Beer - Age 40-54 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_beer_55_dhq_f</b>	MPED Alcohol from Beer - Age 55+ (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"



Variable	Label	Description	Format Text
<b>mped_alc_bev_lifeti me_beer_dhq</b>	Lifetime MPED Alcohol from Beer (drinks/day) - DHQ	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_lifeti me_dhq</b>	Lifetime MPED Alcohol from Beer, Wine and Liquor (drinks/day) - DHQ	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_lifeti me_liquor_dhq</b>	Lifetime MPED Alcohol from Liquor (drinks/day) - DHQ	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_lifeti me_wine_dhq</b>	Lifetime MPED Alcohol from Wine (drinks/day) - DHQ	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_liqu or18_dhq_f</b>	MPED Alcohol from Liquor - Age 18-24 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_liqu or25_dhq_f</b>	MPED Alcohol from Liquor - Age 25-39 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_liqu or40_dhq_f</b>	MPED Alcohol from Liquor - Age 40-54 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_liqu or55_dhq_f</b>	MPED Alcohol from Liquor - Age 55+ (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_wine 18_dhq_f</b>	MPED Alcohol from Wine - Age 18-24 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_wine 25_dhq_f</b>	MPED Alcohol from Wine - Age 25-39 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>mped_alc_bev_wine 40_dhq_f</b>	MPED Alcohol from Wine - Age 40-54 (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"

Variable	Label	Description	Format Text
<b>mped_alc_bev_wine 55_dhq_f</b>	MPED Alcohol from Wine - Age 55+ (drinks/day) - DHQ (Final)	See Appendix 1: Alcohol (DHQ)  See Appendix 4: MPED (DHQ)	Numeric .F="Missing DHQ Form" .M="Missing Data"
<b>drinker_status_exp_ dhq</b>	Alcohol Drinking Status (Expanded) - DHQ	See Appendix 1: Alcohol (DHQ)	.F="Missing DHQ Form" .M="Unknown" 0="Never" 1="Former" 2="Current" 7="Unknown (Either Never or Former)" 8="Unknown (Either Former or Current)"

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## Appendix 1: Alcohol (DHQ)

### Appendix 1: Alcohol (DHQ)

Questions 8-10 of the DHQ form ask participants about their current alcohol drinking (within the 12 months prior to DHQ). Question 156 asks participants about their drinking history (Ages 18-24/25-39/40-54/55+).

The current drinking amounts are found in three sections of the data dictionary. "Section 9: DHQ Foods: My Pyramid Equivalents" includes current MPEDs (e.g., `mped_alc_bev_alc_drinks_dhq_f`). "Section 5: DHQ Nutrients: Diet" includes current grams of alcohol (e.g., `dt_alc_alc_drinks_dhq_f`). "Section 8: DHQ Foods" includes current pyramid servings (`p_alc_dhq_f`).

Lifetime drinking, drinking history, and drinking status incorporate data from Question 156. This data is found in "Section 21: DHQ Drinking History". The variables in this section are unique because they are the only DHQ variables pertaining to a participant's diet history more than 12 months prior to the questionnaire. All the other DHQ variables pertain to a participant's current diet within the 12 months prior to DHQ.

Section 21 includes drinking status variables. The variable `drinker_status_dhq_f` indicates whether the participant is a current/former/never drinker. The variable `drinker_dhq_f` indicates whether the participant is a current drinker.

Section 21 also includes drinking history (Ages 18-24/25-39/40-54/55+) MPED variables. For example, `mped_alc_bev_beer25_dhq_f` is the MPEDs of alcohol from beer per day for "Ages 25-39".

\*\*\*\*\*Lifetime Alcohol\*\*\*\*\*

The lifetime alcohol variable (`mped_alc_bev_lifetime_dhq`) is also included in "Section 21: DHQ Drinking History". It represents the average MPEDs of alcohol (drinks/day) from age 18 to DHQ completion.

\*\*\*\*\*The 2023 Lifetime Alcohol Variable and Data Cleaning Effort\*\*\*\*\*

The lifetime alcohol variable was generated in 2023 after the completion of a data cleaning effort, which cleaned missing and ambiguous responses to alcohol questions. As a result of the cleaning effort, updated alcohol variables were generated, which are indicated by the suffix "\_f". A small number of current drinking amount variables were not part of the data cleaning effort, including MPED alcohol amounts that include food sources; alcohol + non-alcohol grams of beer/wine/liquor; and HEI variables that use alcohol as a source.

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## Appendix 2: Nutrients (DHQ)

### Appendix 2: Nutrients (DHQ)

The DHQ nutrient variables are calculated from the questionnaire responses by the DietCalc software, which takes into account food frequency, serving size, and other responses (e.g. How often were these soft-drinks diet or sugar free?) and uses these in conjunction with a nutrient database based on national dietary data (USDA's 1994-96 Continuing Survey of Food Intakes by Individuals [CSFII], available from the USDA Food Surveys Research Group, or the Nutrition Data Systems for Research (NDS-R) from the University of Minnesota, which has nutrient values not available from the USDA Survey Nutrient Database) to calculate the daily intake of all nutrients in the database.

The DHQ differs from the DQX in that the food frequency questions don't always match one-to-one with items in the nutrient database; in some cases modifying questions on the questionnaire determine what item or items in the database are used for calculating nutrient amounts. However, the basic process is the same – food frequencies are multiplied by nutrient amounts in the database which are based on gender and serving size, and the resulting nutrient amounts are summed across all foods to get a total daily value for each nutrient.

For seasonal food frequencies, the food frequency is first multiplied by a seasonality factor as shown below:

Summer, Winter: 0.333

Not summer or not winter (rest of year): 0.667

In season: 0.25

Out of season: 0.75

For more information about the DHQ nutrient database, go to <http://riskfactor.cancer.gov/DHQ/database/index.html> .

For a list of which nutrients were derived from the CSFII, and which were derived from the NDS-R, go to <http://riskfactor.cancer.gov/DHQ/database/nutrient.html> .

Total fat, saturated fat, monounsaturated fat, and polyunsaturated fat have all been broken down into plant and animal groups (with animal further subdivided into meat, fish, eggs, and dairy as well), based on percentages in a spreadsheet provided by NCI investigators.

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## Appendix 3: Pyramid (DHQ)

### Appendix 3: Pyramid (DHQ)

The DHQ pyramid serving variables are calculated in the same manner as the nutrient variables using amounts based on the US Department of Agriculture's pyramid servings, which are stored in the same gender and serving size-specific database as the nutrients. These variables represent standardized servings of food groups from all sources. See Appendix: Nutrients (DHQ) for more details regarding the calculations.

For additional information regarding the DHQ pyramid food groups, go to <http://riskfactor.cancer.gov/DHQ/database/pyramid.html> .

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## Appendix 4: MPED (DHQ)

### Appendix 4: MPED (DHQ)

MPED (My Pyramid Equivalents Database) variables were calculated in the same manner as the nutrient and pyramid variables using amounts based on the US Department of Agriculture's updated version of the Pyramid Servings Database (PSD). The MPED variables align with the 2005 Dietary Guidelines for Americans and USDA's 2005 Food Guidance System, MyPyramid.

The major difference between the MPED and the PSD is that the units of the variables are now "ounce equivalents" and "cup equivalents," rather than "servings." Additionally, MPED provides four new variables (oils, solid fat, high omega 3 fish, low omega 3 fish) and incorporates improvements regarding how some ingredients and foods are classified.

See Appendix: Nutrients (DHQ)

See Appendix: Pyramid (DHQ)