

Hungary: drinking indicators

(cursive: names of variables which only appear in the syntax)

note:

- 60 cases had missing values for almost every variable and were excluded from further analyses.

Drinking status

drin1_15: (=drink12) (drinking status, based on **b8** (last drinking occasion) and **b9** (overall frequency))

- if $b9 > 0$ (at least a frequency of drinking of 1 or 2 in the last 12 months) and $b8 > 0$ and $b8 < 9$ (last drinking occasion was in the last 12 months) \Rightarrow drink12=2. (current drinker)
- If $b9 = 0$ (never drinking alcohol) and $b8 = 9$ (last drinking occasion: more than a year ago) \Rightarrow drink12=1. (current abstainer)
- If $b9 = 0$ (never drinking alcohol) and $b8 = 0$ (last drinking occasion: never drank alcohol) \Rightarrow drin12=0. (lifetime abstainer)
- 120 missings (5.2%)
- If missing $b8$ and $b9 = 0$ (never drank alcohol in the last 12 months) and sum of (wiqu4-15, bequ4_15, spqu4_15)=0 \Rightarrow drink12=0 (lifetime abstainer).
- If missing $b8$ and $b9 = 0$ (never drank alcohol in the last 12 months) and sum of (wiqu4-15, bequ4_15, spqu4_15)>0 \Rightarrow drink12=1 (current abstainer).
- If missing $b8$ and $b9 > 1$ and $b9 < 9$ (that means no missing) \Rightarrow drink12=2 (current drinker).
- If missing $b9$ and $b8 = 0$ (never drunk alcohol) \Rightarrow drink12=0 (lifetime abstainer).
- If missing $b9$ and $b8 = 9$ (last occasion more than a year ago) \Rightarrow drink12=1 (current abstainer).
- Still 111 missings (4.8%)

drin2_15: (=drink30) (drinking status, based on **b1** (frequency last 30 days))

- If person consumed alcohol in the last 30 days \Rightarrow drin2_15 = 1 (30 days current drinker)
- If person consumed no alcohol in the last 30 days \Rightarrow drin2_15 = 0 (30 days abstainer)
- 7 missings (0,3%)

drin5_15: (=ovdrink) (drinking status, based on **b8** (last drinking occasion), **b9** (overall frequency) and **b3** (quantity beer last occasion), **b4** (quantity wine last occasion), **b5** (quantity spirits last occasion))

- If $bsvo5_15 = 0$ (no annual volume) \Rightarrow drin5_15=drink1_15.
- If $bsvo5_15$ (annual volume) $> 0 \Rightarrow$ drin5_15=2 (current drinker).
- 49 missings (2,1%)

Frequencies

gefr1_15: (=oafreq) (overall frequency, based on **b9** (overall frequency last 12 months))

- recoding frequencies in days per year:

never	\Rightarrow 0
every day or nearly every day	\Rightarrow 312
3 or 4 times a week	\Rightarrow 182
1 or 2 times a week	\Rightarrow 78
1-3 times a month	\Rightarrow 24
7-11 times in the last 12 months	\Rightarrow 9
3-6 times in the last 12 months	\Rightarrow 4.5
1-2 times in the last 12 months	\Rightarrow 1.5
- 64 missings (2,8%)

gefr5_15: (=ovfreq) (overall frequency, based on **b1** (overall frequency last 30 days) and **b9** (overall frequency last 12 months))

- recoding frequencies of b1 (30 days freq.) in days per year:

every day or nearly every day	\Rightarrow 312
3-4 times a week	\Rightarrow 182
1-2 times a week	\Rightarrow 78

- 1-3 times altogether => 24
- never => 0
- if person consumed alcohol in last 30 days ($b1 \neq 5$ (no alcohol in last 30 days) and sum of (bequ4_15, wiqu4_15 and sp4_15) > 0) => gefr5_15 is based on 30 days information (b1).
- If person consumed no alcohol in the last 30 days ($b1=5$ or $b1=$ missing or sum of (bequ4_15, wiqu4_15 and sp4_15) = 0) => gefr5_15 is based on 12 months information (b9, recoding frequencies: see gefr1_15).
- 33 missings (1,4%)

nodd_15: (annual number of drinking days, based on **b1** (overall frequency last 30 days) and **b9** (overall frequency last 12 months))

- nodd_15=gefr5_15.

Quantities

bequ4_15: (=beerqua) (quantity on the last drinking occasion in grams of pure alcohol, **beer**; based on **b3**) (ethanol contents for beer: 5%)

- recoding quantities in number of drinks (one drink is 0.5 litres):
 - Never drink beer => 0
 - Did not drink beer on last occasion => 0
 - Less than a bottle or a mug => 0.5
 - 1-2 bottles => 1.5
 - 3-4 bottles => 3.5
 - 5 or more bottles => 5.75
- bequ4_15 = number of drinks last occasion * 0.5(litres) * 0.05(pure alcohol) * 1000 * 0.793
- 70 missings
- if missing and ($b9=0$ (no alcohol in the last 12 months) or $b2a=1$ (no beer last 30 days) or $b1=5$ (no alcohol in the last 30 days) => bequ4_15=0.
- still 14 missings

wiqu4_15: (=winequa) (quantity on the last drinking occasion in grams of pure alcohol, **wine**; based on **b4**) (ethanol contents for wine: 11.5%)

- recoding quantities in number of drinks (one drink is 0.1 litres):
 - never drink wine => 0
 - did not drink wine on last occasion => 0
 - less than a glass => 0.5
 - 1-2 glasses => 1.5
 - half a bottle (3.5 dl) => 3.5
 - one or more bottles => 8.75
- wiqu4_15 = number of drinks last occasion * 0.1(litres) * 0.115(pure alcohol) * 1000 * 0.793
- 87 missings
- if missing and ($b9=0$ (no alcohol in the last 12 months) or $b2b=1$ (no wine last 30 days) or $b1=5$ (no alcohol in the last 30 days) => wiqu4_15=0.
- still 29 missings

spqu4_15: (=spiqua) (quantity at the last drinking occasion in grams of pure alcohol, **spirits**; based on **b5**) (ethanol contents for spirit: 40%)

- recoding quantities in number of drinks (one drink is 0.05 litres):
 - never drink liquor => 0
 - did not drink liquor at last occasion => 0
 - less than a drink => 0.5
 - 1-2 drinks => 1.5
 - 3-5 drinks => 4
 - 6 or more drinks => 7
- spqu4_15 = number of drinks last occasion * 0.05(litres) * 0.40(pure alcohol) * 1000 * 0.793
- 85 missings
- if missing and ($b9=0$ (no alcohol in the last 12 months) or $b2c=1$ (no spirits last 30 days) or $b1=5$ (no alcohol in the last 30 days) => spqu4_15=0.
- still 29 missings

bsqu1_15: (=oabqua) (usual quantity on a drinking day, based on beverage-specific measures on the last drinking occasion **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b9** (overall frequency last 12 months))

- bsqu1_15 = sum of beverage-specific quantities on the last drinking occasion (bequ4_15, wiqu4_15, spqu4_15)
- 38 persons who are not current drinkers report quantities and are put to 0.
- 146 persons report frequencies (b9) but no quantities: imputation of quantities by the median of the frequency-group.
- 0 missings

bsqu2_15: (=oaqu30d) (usually quantity on a drinking day, based on beverage-specific measures on the last drinking occasion **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b1** (overall frequency last 30 days))

- bsqu1_15 = sum of beverage-specific quantities on the last drinking occasion (bequ4_15, wiqu4_15, spqu4_15)
- 25 persons report frequencies (b1) but no quantities: imputation of quantities by the median of the frequency-group
- 0 missings

bsqu5_15: (=ovquan, quanlo1, quanlo2) (usually quantity on a drinking day, based on beverage-specific measures on the last drinking occasion **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b1** (overall frequency last 30 days), **b9** (overall frequency last 12 months))

- bsqu5_15 = sum of beverage-specific quantities on the last drinking occasion (bequ4_15, wiqu4_15, spqu4_15).
- 25 persons report frequencies (b1) but no quantities: imputation of quantities by the median of the frequency-group.
- 146 persons report frequencies (b9) but no quantities: imputation of quantities by the median of the frequency-group.
- 0 missings

Volume

bsvo1_15: (based on ovbqf12m) (annual volume, based on beverage-specific measures **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b9** (overall frequency last 12 months))

- bsvo1_15 = gefr1_15 (frequency last 12 months) * sum of beverage-specific quantities on the last drinking occasion (bequ4_15, wiqu4_15, spqu4_15)
- 38 persons who are not current drinkers report quantities and are put to 0.
- 146 persons report frequencies (b9) but no quantities: imputation of quantities by the median of the frequency-group.
- 28 missings (1,2%)

bsvo2_15: (based on ovbqf30d) (annual volume, based on beverage-specific measures **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b1** (overall frequency last 30 days))

- take recoded frequencies of b1 (see gefr5_15)
- bsvo2_15 = freq. last 12 month (based on inform. of b1) * sum of bev. spec. quant. at the last drinking occasion (bequ4_15, wiqu4_15, spqu4_15)
- 25 persons report frequencies (b1) but no quantities: imputation of quantities by the median of the frequency-group
- 6 missings (0,3%)

bsvo5_15: (based on ovbqf) (annual volume, based on beverage-specific measures **b3** (quantity last occasion beer), **b4** (quantity last occasion wine), **b5** (quantity last occasion spirits), **b1** (overall frequency last 30 days), **b9** (overall frequency last 12 months))

- bsvo5_15 = bsqu5_15 (quantity on the last drinking occasion) * gefr5_15 (overall frequency last 12 months)
- 0 missings

Binge drinking

bing1_15: (based on *binge1*, *binge2*) (annual frequency of 3 or more glasses per occasion, this is 60 or more grams of pure alcohol)

- using **b10a** (frequency of 3-5 glasses at one occasion, last 12 months) and **b10b** (frequency of 6 or more glasses at one occasion, last 12 months)
- first recoding of frequency-codes into days per year for b10a and b10b:

nearly every day	=> 312
3-4 times a week	=> 182
1-2 times a week	=> 78
1-3 times a month	=> 24
7-11 times in the last 12 months	=> 9
3-6 times in the last 12 months	=> 4.5
1-2 times in the last 12 months	=> 1.5
never	=> 0
- take the sum of both frequencies
- abstainers are being put to 0.
- 18 cases report binge frequencies of more than 365 days. To correct this, these cases are put to 365.
- remain 114 missing cases (5.0%)