



## Modification of Alcohol Consumption Frequency

**Supplementary Table S1.** Univariate analysis for modification of AUF (last four weeks vs. last 12 months) between different pandemic phases: ORs and 95% CIs.

Characteristics	Wave 15 vs. 7		Wave 34 vs. 7		Wave 34 vs.15	
	OR	95 % CI	OR	95 % CI	OR	95 % CI
Reduced AUF	0.84	[0.60–1.17]	0.93	[0.67–1.28]	1.10	[0.78–1.55]
Unmodified AUF	1.22	[0.98–1.52]	<b>1.41</b>	<b>[1.12–1.76] **</b>	1.16	[0.91–1.46]
Increased AUF	0.84	[0.64–1.09]	<b>0.62</b>	<b>[0.47–0.82] ***</b>	<b>0.74</b>	<b>[0.55–0.99] *</b>

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ ; marked in bold. Abbreviations: AUF: alcohol consumption frequency, OR: odds ratio, CI: confidence interval.

## Pre-pandemic to Pandemic Comparison of Non-Drinkers

**Supplementary Table S2.** Comparison of relative proportions of non-drinkers during the pandemic (AUF in the last four weeks: category “never”) to pre-pandemic data (GEDA 14/15) [26].

Characteristics	GEDA 14/15	Wave 7 (14/15 April 2020)		Wave 15 (23/24 June 2020)		Wave 34 (26/27 January 2021)	
		<i>n</i>	%	<i>n</i>	%	<i>n</i>	%
Men (total)	10.3	64	12.7	65	13.5	68	13.5
18–29	10.5	13	13.4	13	15.7	8	8.2
30–44	9.4	14	11.3	13	8.7	15	9.6
45–64	10.0	27	14.4	28	15.7	34	19.1
≥65	11.8	10	10.5	11	15.1	11	15.2
Women (total)	16.9	111	21.0	112	22.0	96	19.3
18–29	15.0	22	20.0	22	23.2	21	22.1
30–44	16.5	30	17.4	30	18.8	38	24.4
45–64	12.5	39	23.8	40	23.3	28	15.5
≥65	24.3	20	24.1	20	24.1	9	13.8
Total (men and women)	13.7	175	17.0	177	17.8	164	16.4

## Univariate Analysis—Pandemic-Related Variables

**Supplementary Table S3.** Univariate analysis for pandemic-related variables: relative frequencies, ORs, and 95% CIs of individuals with increased AUF compared to those with reduced/unmodified AUF between different subgroups.

Characteristics	Wave 7 (14/15 April 2020)			Wave 15 (23/24 June 2020)			Wave 34 (26/27 January 2021)		
	Increased AUF (%)	OR	95% CI	Increased AUF (%)	OR	95% CI	Increased AUF (%)	OR	95% CI
Perceived burden									
No (reference)	11.0			9.2			7.2		
Yes	16.4	<b>1.59</b>	<b>[1.11–2.28] *</b>	15.0	<b>1.73</b>	<b>[1.16–2.57] **</b>	9.6	1.37	[0.86–2.16]
Enhanced frequency of information									
No	11.7			11.1			7.1		
Yes	13.6	1.19	[0.77–1.84]	11.4	1.03	[0.69–1.55]	9.1	1.32	[0.76–2.28]
High levels of frustration due to protective measures									
No (reference)	11.6			8.8			7.6		
Yes	17.4	<b>1.61</b>	<b>[1.10–2.36] *</b>	17.3	<b>2.17</b>	<b>[1.45–3.24] ***</b>	9.9	1.35	[0.86–2.10]
Perceived helplessness regarding SARS-CoV-2									
No (reference)	11.3			11.1			7.9		
Yes	16.1	<b>1.51</b>	<b>[1.05–2.16] *</b>	11.7	1.06	[0.70–1.62]	9.6	1.23	[0.79–1.91]
High levels of rumination about SARS-CoV-2									
No (reference)	11.1			10.3			8.7		
Yes	16.1	<b>1.51</b>	<b>[1.05–2.17] *</b>	13.8	1.39	[0.91–2.11]	8.4	0.97	[0.62–1.50]

<b>High levels of worries...</b>									
... about widening gap between rich and poor									
No (reference)	14.2			10.1			8.7		
Yes	12.6	0.87	[0.60–1.26]	11.9	1.19	[0.78–1.82]	8.5	0.98	[0.59–1.62]
... to lose employment									
No (reference)	11.8			11.0			8.1		
Yes	17.2	<b>1.56</b>	<b>[1.03–2.34] *</b>	13.8	1.29	[0.82–2.03]	8.4	1.04	[0.62–1.73]
... to get ill									
No (reference)	NA	NA	NA	11.8			10.0		
Yes	NA	NA	NA	10.1	0.84	[0.55–1.30]	7.1	0.68	[0.44–1.07]
... about longtime restrictions of social life									
No (reference)	NA	NA	NA	10.0			6.9		
Yes	NA	NA	NA	12.5	1.29	[0.87–1.93]	9.3	1.37	[0.81–2.30]

To view the *n* of the subgroups, refer to Table 1. \*  $p < 0.05$ ; \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ ; marked in bold. Abbreviations: AUF: alcohol consumption frequency, OR: odds ratio, CI: confidence interval, NA: not available (not collected in this wave). Non respondents for high levels of worries to lose employment were not included in the analysis.

### Additional Analysis—Exceeding DHS Recommendation

**SupplementaryTable S4.** Univariate analysis: relative frequencies, ORs, and 95% CIs of individuals exceeding (AU on  $\geq 5$  days/week) compared with those who adhere to the DHS recommendation (AU on  $< 5$  days/week).

Characteristics	Wave 7 (14/15 April 2020)			Wave 15 (23/24 June 2020)			Wave 34 (26/27 January 2021)		
	AU on $\geq 5$ days/week (%)	OR	95% CI	AU on $\geq 5$ days/week (%)	OR	95% CI	AU on $\geq 5$ days/week (%)	OR	95% CI
Gender									
Male (reference)	15.9			11.6			11.7		
Female	6.6	<b>0.37</b>	<b>[0.25–0.57] ***</b>	4.3	<b>0.34</b>	<b>[0.21–0.57] ***</b>	4.6	0.37	<b>[0.22–0.60] ***</b>
Age (continuous)		<b>1.03</b>	<b>[1.02–1.04] ***</b>		<b>1.03</b>	<b>[1.01–1.05] ***</b>		1.03	<b>[1.01–1.04] ***</b>
Age group									
$\geq 65$ (reference)	15.7			14.1			13.1		
18–29	6.3	<b>0.36</b>	<b>[0.18–0.72] **</b>	3.4	<b>0.21</b>	<b>[0.08–0.54] **</b>	4.2	<b>0.29</b>	<b>[0.12–0.68] **</b>
30–44	7.4	<b>0.43</b>	<b>[0.24–0.78] **</b>	5.2	<b>0.33</b>	<b>[0.17–0.65] **</b>	7.3	0.52	[0.27–1.01]
45–64	14.8	0.93	[0.57–1.54]	9.7	0.66	[0.37–1.16]	9.2	0.67	[0.36–1.23]
Educational level									
No A-Level (reference)	10.6			8.6			9.1		
A-Level	11.6	1.10	[0.75–1.64]	7.2	0.82	[0.52–1.31]	7.5	0.81	[0.51–1.27]
Migration background									
No/Don't know (reference)	11.7			7.8			8.8		
Yes	7.5	0.61	[0.31–1.21]	8.0	1.02	[0.51–1.94]	5.3	0.58	[0.29–1.15]
Local region									
East	8.9			8.5			9.3		
West	11.6	1.34	[0.76–2.36]	7.7	0.9	[0.49–1.65]	8.0	0.84	[0.47–1.52]
Relationship status									
No (reference)	10.1			6.9			5.2		
Yes	11.6	1.16	[0.76–1.79]	8.3	1.21	[0.73–2.02]	9.5	<b>1.93</b>	<b>[1.10–3.39] *</b>
Children									
No (reference)	11.2			8.5			8.8		
Yes	11.1	0.99	[0.65–1.51]	6.4	0.75	[0.44–1.27]	6.7	0.74	[0.43–1.26]
Household size									
Just me (reference)	12.3			8.4			5.6		
2 people	12.2	0.996	[0.62–1.61]	9.6	1.15	[0.66–2.00]	11.1	<b>2.10</b>	<b>[1.11–3.99] *</b>
$\geq 3$ people	9.0	0.77	[0.45–1.32]	5.5	0.64	[0.34–1.20]	6.3	1.13	[0.54–2.33]
Local region									
East							9.3		
West							8.0		
Household net income									
$< \text{€}1250$ (reference)	NA	NA	NA	7.0			3.5		

€ 1250–2249	NA	NA	NA	7.2	1.03	[0.46–2.29]	8.2	2.47	[0.82–7.39]
€ 2250–3999	NA	NA	NA	9.1	1.32	[0.63–2.76]	9.3	2.83	[0.98–8.16]
>€4000	NA	NA	NA	8.2	1.18	[0.51–2.75]	10.6	<b>3.27</b>	<b>[1.10–9.79] *</b>
No specification	NA	NA	NA	5.0	0.69	[0.21–2.29]	4.0	1.16	[0.25–5.32]
Employment									
No (reference)	NA	NA	NA	9.0			9.1		
Yes	NA	NA	NA	7.3	0.8	[0.49–1.28]	7.8	0.85	[0.53–1.37]
Chronic disease									
No/Don't know (reference)	10.5			6.9			7.8		
Yes	12.5	1.22	[0.81–1.82]	9.8	1.47	[0.92–2.35]	9.0	1.18	[0.74–1.89]
Physical activity									
<2.5 hours/week (reference)	11.1			7.5			NA	NA	NA
≥2.5 hours/week	11.2	1.00	[0.68–1.48]	8.5	1.15	[0.71–1.84]	NA	NA	NA
Perceived burden									
No (reference)	9.2			7.4			8.4		
Yes	14.0	<b>1.60</b>	<b>[1.09–2.37] *</b>	8.5	1.21	[0.75–1.94]	8.0	0.95	[0.61–1.51]
Enhanced frequency of information									
No (reference)	6.5			9.3			8.7		
Yes	12.6	<b>2.08</b>	<b>[1.20–3.61] *</b>	6.9	0.72	[0.45–1.14]	8.0	0.91	[0.54–1.54]
High levels of frustration due to protective measures									
No	6.5			7.0			8.3		
Yes	12.6	1.50	[0.99–2.26]	10.0	1.49	[0.92–2.41]	8.1	0.97	[0.62–1.54]
Perceived helplessness regarding SARS-CoV-2									
No	10			8.6			8.6		
Yes	14.2	0.97	[0.65–1.44]	6.3	0.72	[0.43–1.22]	7.6	0.87	[0.54–1.39]
High levels of rumination about SARS-CoV-2									
No	11.3			7.9			8.7		
Yes	10.9	1.13	[0.77–1.67]	7.6	0.95	[0.57–1.61]	7.6	0.86	[0.54–1.35]
<b>High levels of worries...</b>									
... about widening gap between rich and poor									
No	10.6			6.3			9.1		
Yes	11.9	1.22	[0.81–1.84]	8.7	1.42	[0.84–2.38]	7.9	0.85	[0.51–1.41]
... to get ill									
No	NA	NA	NA	7.4			9.4		
Yes	NA	NA	NA	8.9	1.22	[0.75–1.98]	6.9	0.71	[0.45–1.12]
... about longtime restrictions of social life									
No	NA	NA	NA	7.5			8.7		
Yes	NA	NA	NA	8.2	1.11	[0.70–1.76]	8.0	0.91	[0.56–1.49]
... to lose employment									
No	9.9			8.0			9.2		
Yes	11.8	1.03	[0.65–1.65]	6.9	0.85	[0.47–1.54]	5.5	0.57	[0.32–1.03]

\*  $p < 0.05$ ; \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ ; marked in bold. Abbreviations: AU: alcohol use, DHS: German Head Office for Addiction Issues, OR: odds ratio, CI: confidence interval.