CROATIA

Recorded adult per capita consumption (age 15+)

Note: Data on spirits not available from 1987 to 1991, therefore total alcohol consumption has not been calculated for that time period.

Sources: FAO (Food and Agriculture Organization of the United Nations), World Drink Trends 2003

Lifetime abstainers

Estimates from key alcohol experts show that the proportion of adult males and females who had been abstaining (last year before the survey) was 12% (males) and 36% (females). Data is for after year 1995.2

In a national study conducted between 1995–1997 (total sample size $n = 5480$; aged 18–65 years old), it was found that 5% of the total sample drank beer daily and 12% of the total sample drank wine daily. The study also noted regional differences in alcohol consumption patterns. For example, the most significant geographic difference was found in wine consumption: 46% of the population from Split region drink wine more than four times a week versus 12.9%, 6.8% and 3.2% in Rijeka, Zagreb and Osijek regions, respectively.3
Heavy and hazardous drinkers

According to the 2003 World Health Survey (total sample size $n = 736$; males $n = 347$ and females $n = 389$), the mean value (in grams) of pure alcohol consumed per day among drinkers was 6.5 (total), 10.9 (males) and 2.6 (females).1

Heavy episodic drinkers

Data from the 2003 World Health Survey. Total sample size $n = 987$; males $n = 398$ and females $n = 589$. Sample population aged 18 years and above. Definition used: at least once a week consumption of five or more standard drinks in one sitting.1

Youth drinking (lifetime abstainers)

Data from the 2003 World Health Survey. Total sample size $n = 987$; males $n = 398$ and females $n = 589$. Sample population aged 18 years and above. Definition used: average consumption of 40 g or more of pure alcohol a day for men and 20 g or more of pure alcohol a day for women.1

According to the 1999 ESPAD survey (total sample size $n = 3602$, males $n = 1961$ and females $n = 1641$; age group 15 to 16 years), the rate of alcohol consumers was 18% (total), 24% (males) and 10% (females). Alcohol consumer was defined as lifetime use of 40 times or more.4

In a 1998 study of a representative sample of Croatian high school students (total sample size $n = 2823$), it was found that 62.2% of students had consumed alcohol in the month preceding the survey and 47.1% had successively five or more drinks in a day.5 The same survey also found that 82.2% of students had consumed alcohol in the last 12 months before the survey and that 88.3% were lifetime users.6

A study of school students (208 pupils in primary school and 232 pupils in secondary school) found that 5.83% of the primary school students and 28.81% of secondary school students consumed alcohol. Among students in the last two years of secondary school, 41.4% reportedly consume alcohol.7
In a 2000 study of 775 Zagreb University medical students (136 were non-medical students), it was found that about half of the medical students reported regular alcohol consumption on a monthly (37%), weekly (9.5%), or daily (3.4%) basis. Furthermore, 15% reported regular monthly, and 2.8% regular weekly intoxications.8

Youth drinking (drink at least weekly)

In a 2001 survey of 2404 elementary and high school students (1150 boys and 1254 girls; age range 13–23 years) in Zagreb, Croatia, the rate of lifetime prevalence of alcohol use was found to be 89.7%. Most of the students (59%) consumed alcohol occasionally (‘once’ or ‘several times’ a month) and only 3% consumed alcohol daily.10

Youth drinking (heavy episodic drinkers)

Note: These are preliminary, early-release, unpublished data from WHO's World Health Survey made available exclusively for this report. Some estimates may change in the final analyses of these data.

According to the 1999 ESPAD survey (total sample size \(n = 3602\), males \(n = 1961\) and females \(n = 1641\); age group 15 to 16 years), the rate of binge drinking was 12% (total), 15% (males) and 7% (females). Binge drinking was defined as consuming five or more drinks in a row three times or more in the last 30 days.4

Youth drinking (drunkenness)

According to the 2001/2002 HBSC survey (total sample size \(n = 1446\)), the proportion of 15-year-olds who reported ever having been drunk two or more times was 38% for boys and 21.4% for girls.9

In the 1999 ESPAD study of subjects 15 to 16 years old (total sample size \(n = 3602\); males \(n = 1961\) and females \(n = 1641\)) the proportion of subjects who reported being drunk three times or more in the last 30 days was 7% (total), 9% (males) and 3% (females).4

Alcohol abuse

In a study comparing alcohol use among adolescents in urban and rural areas (research covered 600 adolescents of equal gender and age distribution), it was found that alcohol use was more common in urban areas (62.4%) than rural areas (37.6%).11

A study of 368 (157 men and 211 women) displaced persons found the rate of current alcohol dependence (according to CAGE) to be 60.5% among men and 8.1% among women. Alcohol dependence comorbid to post-traumatic stress disorder (PTSD) was more often found in men than in women; 69.6% of men with PTSD had alcohol dependence, whereas only 11.7% of women with PTSD had alcohol dependence.12
Unrecorded alcohol consumption

The unrecorded alcohol consumption in Croatia is estimated to be 4.5 litres pure alcohol per capita for population older than 15 for the years after 1995 (estimated by a group of key alcohol experts).1

Mortality rates from selected death causes where alcohol is one of the underlying risk factors

The data represent all the deaths occurring in a country irrespective of whether alcohol was a direct or indirect contributor.

Chronic mortality

![Chronic mortality chart]

Note: Chronic mortality time-series measured on two axes, ischaemic heart disease on right axis and the other causes on the left.

Acute mortality

![Acute mortality chart]

Source: WHO Mortality Database
Morbidity, health and social problems from alcohol use

Alcohol abuse in Croatia has become one of the most serious problems that inflict the greatest harm to youth. According to the USAID-funded 2002 Youth Risk Behaviour Survey of 1000 students aged between 12 and 17 years in Split, 82% of the youth between the ages of 8 and 16 have had their first drink of alcohol, and 21% had their first drink before they were 10 years old.\(^\text{13}\)

Alcohol is the reason for 18% of all traffic accidents. Children often get killed as a result of the alcoholism of adults.\(^\text{14}\)

A study conducted in 2000 established that the average portion of intoxicated drivers on Croatian roads is 4.4%, and that the average concentration of alcohol in such drivers is 1.13 per thousand, which is higher than the “critical level” of intoxication – 1.1 per thousand. The portion of intoxicated drivers exceeding the critical concentration is 43.2%.\(^\text{15}\)

In a study of 170 cases of acute poisoning in 60 men and 110 women admitted to an emergency room from January through November 1999, it was found that alcohol intoxication, alone or combined with the intake of psychoactive drugs (28 cases, 16%) predominated in men.\(^\text{16}\)

A study found that alcohol addiction is a severe factor in increasing aggression levels in soldiers with post-traumatic stress disorder (PTSD).\(^\text{17}\)

The rate of alcoholic psychosis incidence per 100 000 population was 18.32 in 2001 and 23.41 in 2002.\(^\text{18}\)

The SDR per 100 000 population for chronic liver disease and cirrhosis was 27.08 in 2001 and 26.07 in 2002.\(^\text{18}\)

The number of alcohol-related road traffic accidents per 100 000 population was 75.68 in 2000 and 72.88 in 2001.\(^\text{18}\)

Country background information

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<tr>
<th>Total population 2003</th>
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<td>Adult (15+)</td>
<td>3 675 240</td>
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<td>% under 15</td>
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<td>Urban</td>
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References