

Table 2.24. Cohort and case-control studies of consumption of different types of alcoholic beverages and cancer of the stomach

Reference, location, name of study	Cohort/cases and controls	Beer			Wine			Hard liquor		
		Exposure	Cases	Relative risk (95% CI)	Exposure	Cases	Relative risk (95% CI)	Exposure	Cases	Relative risk (95% CI)
Cohort studies										
Larsson <i>et al.</i> (2007), Sweden, The Swedish Mammography Cohort	61 433 women born between 1914 and 1948 and residing in Uppsala and Västmanland counties in central Sweden. The cohort was established between 1987 and. Follow up by 2005	<i>Alcohol intake (servings/week)</i>		<i>Hazard ratio</i>	<i>Alcohol intake (servings/week)</i>		<i>Hazard ratio</i>	<i>Alcohol intake (servings/week)</i>		<i>Hazard ratio</i>
		Light beer			Wine			Hard Liquor		
		0	97	1.00	0	87	1.00	0	111	1.00
		0.1–2.5 (1.0*)	35	0.76 (0.51–1.15)	0.1–0.5 (0.5*)	38	0.84 (0.54–1.30)	0.1–0.5 (0.5*)	35	1.16 (0.73–1.83)
		> 2.0 (3.5*)	28	0.91 (0.57–1.46)	> 0.5 (1.0*)	35	0.98 (0.58–1.66)	> 0.5 (1.0*)	14	1.38 (0.72–2.65)
				p-trend 0.75			p-trend 0.71			p-trend 0.30
		Medium-strong/strong beer								
		0	114	1.00						
Freedman <i>et al.</i> (2007), USA, The NIH-AARP Diet and Health Study	474 606 persons (282 856 men and 191 750 women) of age above 50 years and member of American Association of Retired Persons. Established between 1995 and 1996. Follow-up by the end of 2000.	Gastric cardia adenocarcinoma								
		<i>Drinks/day</i>			<i>Drinks/day</i>			<i>Drinks/day</i>		
		0	79	1.35 (0.94–1.94)	0	76	0.73 (0.51–1.05)	0	91	1.36 (0.94–2.00)
		> 0–1	92	1.00	> 0–1	98	1.00	> 0–1	65	1.00
		> 1–3	9	1.00 (0.50–1.99)	> 1–3	12	1.00 (0.55–1.83)	> 1–3	17	1.53 (0.89–2.62)
		> 3	8	1.12 (0.55–2.52)	> 3	2	3.01 (0.73–12.3)	> 3	15	2.15 (1.20–3.87)
		Gastric non-cardia adenocarcinoma								
		<i>Drinks/day</i>			<i>Drinks/day</i>			<i>Drinks/day</i>		
		0	93	1.18 (0.83–1.70)	0	89	1.04 (0.73–1.48)	0	100	1.03 (0.72–1.47)
		> 0–1	80	1.00	> 0–1	87	1.00	> 0–1	75	1.00
		> 1–3	9	1.36 (0.68–2.73)	> 1–3	9	0.91 (0.46–1.81)	> 1–3	10	0.82 (0.42–1.59)
		> 3	5	1.02 (0.40–2.61)	> 3	2	4.29 (1.05–17.6)	> 3	2	0.27 (0.07–1.10)

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Case control study								Spirits		
Benedetti <i>et al.</i> (2009) Canada, Early 1980s	215 stomach cancer cases – histologically confirmed cases (males aged 35–70) /507 randomly selected population controls	Never weekly	63	1.0	Never weekly	102	1.0	Never weekly	84	1.0
		1–6 weekly	85	1.49 (1.01-2.21)	1–6 weekly	82	1.78 (1.24–2.55)	1–6 weekly	93	1.45 (1.01– 2.07)
		7+ weekly	67	1.08 (0.71–1.66)	7+ weekly	31	0.84 (0.49–1.42)	7+ weekly	38	1.45 (0.90–2.34)

* Median consumption