

Supplementary TABLE 2 Results from a pooled analysis using a random-effects model for stomach cancer incidence by alcohol intake in Japanese women, 1988–2014, separating former drinkers from nondrinkers

Site of cancer	Total	Nondrinkers	Former drinkers	Occasional drinkers (<once/week)	Regular drinkers (≥once/week)		<i>p</i> for heterogeneity for the highest category ^f	Alcohol intake as a continuous variable (per 10 g/day)		
					<23 g/day	≥23 g/day		HR (95% CI)	<i>p</i> for trend	<i>p</i> for heterogeneity ^f
Total										
No. of subjects	114,894	86,186	3,717	9,029	12,835	3,127				
No. of cases	2,096	1,650	79	129	179	59				
Person-years	1,848,947	1,396,166	48,028	152,650	204,602	47,501				
Incidence rate per 100,000 person-years	113	118	164	85	87	124				
Age- and area-adjusted HR (95% CI) as model 1 ^a		1.00 (reference)	1.21 (0.89–1.65)	0.95 (0.79–1.14)	0.88 (0.70–1.09)	1.38 (1.07–1.80)	0.975	1.049 (0.998–1.103)	0.059	0.669
Multivariate-adjusted HR (95% CI) in model 2 ^b		1.00 (reference)	1.17 (0.90–1.52)	0.86 (0.72–1.04)	0.82 (0.70–0.96)	1.26 (0.96–1.64)	0.678	1.045 (0.987–1.106)	0.132	0.347
Multivariate-adjusted HR (95% CI) in model 3 ^c		1.00 (reference)	1.14 (0.78–1.68)	0.97 (0.80–1.17)	0.88 (0.69–1.13)	1.41 (1.06–1.88)	0.818	1.056 (1.000–1.114)	0.050	0.451
Multivariate-adjusted HR (95% CI) in model 4 ^d		1.00 (reference)	1.10 (0.88–1.53)	0.95 (0.78–1.15)	0.91 (0.74–1.12)	1.26 (0.94–1.70)	0.588	1.030 (0.972–1.092)	0.316	0.782
Multivariate-adjusted HR (95% CI) in model 5 ^e		1.00 (reference)	1.14 (0.74–1.74)	0.99 (0.81–1.22)	0.93 (0.72–1.19)	1.32 (0.92–1.91)	0.269	1.038 (0.978–1.100)	0.220	0.776
Proximal (upper third)										
No. of subjects	114,894	86,186	3,717	9,029	12,835	3,127				
No. of cases	133	103	6	7	12	5				
Person-years	1,859,346	1,404,323	48,372	153,304	205,527	47,820				
Incidence rate per 100,000 person-years	7	7	12	5	6	10				
Age- and area-adjusted HR (95% CI) as model 1 ^a		1.00 (reference)	1.95 (0.56–6.79)	1.18 (0.33–4.17)	1.44 (0.77–2.69)	2.00 (0.80–4.98)	0.916	1.026 (0.866–1.214)	0.769	0.961
Multivariate-adjusted HR (95% CI) in model 2 ^b		1.00 (reference)	2.14 (0.55–8.38)	1.05 (0.45–2.42)	1.30 (0.69–2.44)	2.04 (0.81–5.18)	0.770	1.039 (0.868–1.242)	0.679	0.935
Multivariate-adjusted HR (95% CI) in model 3 ^c		1.00 (reference)	2.34 (0.46–11.98)	1.17 (0.32–4.28)	1.51 (0.76–3.01)	2.37 (0.93–6.09)	0.910	1.087 (0.882–1.338)	0.435	0.900
Multivariate-adjusted HR (95% CI) in model 4 ^d		1.00 (reference)	3.86 (0.51–29.40)	1.24 (0.40–3.79)	1.51 (0.75–3.01)	2.19 (0.78–6.18)	0.866	1.055 (0.855–1.302)	0.616	0.917
Multivariate-adjusted HR (95% CI) in model 5 ^e		1.00 (reference)	-	1.23 (0.39–3.85)	1.49 (0.69–3.20)	2.41 (0.84–6.90)	0.908	1.101 (0.881–1.374)	0.397	0.879
Distal (lower two thirds)										
No. of subjects	114,894	86,186	3,717	9,029	12,835	3,127				
No. of cases	1,139	891	40	78	97	33				
Person-years	1,853,627	1,399,831	48,223	152,895	205,039	47,639				
Incidence rate per 100,000 person-years	61	64	83	51	47	69				
Age- and area-adjusted HR (95% CI) as model 1 ^a		1.00 (reference)	1.14 (0.73–1.78)	0.99 (0.78–1.25)	0.81 (0.57–1.16)	1.39 (0.98–1.97)	0.817	1.062 (1.005–1.122)	0.033	0.795
Multivariate-adjusted HR (95% CI) in model 2 ^b		1.00 (reference)	1.00 (0.71–1.40)	0.92 (0.73–1.16)	0.78 (0.59–1.03)	1.29 (0.90–1.85)	0.701	1.059 (0.999–1.124)	0.055	0.613
Multivariate-adjusted HR (95% CI) in model 3 ^c		1.00 (reference)	1.07 (0.59–1.95)	1.00 (0.77–1.28)	0.84 (0.56–1.26)	1.39 (0.94–2.04)	0.856	1.064 (0.998–1.135)	0.059	0.837
Multivariate-adjusted HR (95% CI) in model 4 ^d		1.00 (reference)	0.98 (0.60–1.58)	0.97 (0.75–1.24)	0.83 (0.56–1.24)	1.40 (0.96–2.05)	0.825	1.069 (1.006–1.136)	0.031	0.785
Multivariate-adjusted HR (95% CI) in model 5 ^e		1.00 (reference)	1.17 (0.63–2.17)	1.00 (0.77–1.31)	0.89 (0.57–1.38)	1.46 (0.98–2.19)	0.700	1.072 (1.005–1.143)	0.034	0.731

^aAdjusted for age and area (JPHC Study II, JACC Study, and Life Span Study only).

^bAdjusted for covariates in model 1 plus smoking status (pack-years: 0, <20, and ≥20) and medical history of diabetes mellitus (yes, no).

^cAdjusted for covariates in model 2 plus total energy intake (quartiles), vegetable intake (quartiles), fruit intake (quartiles), salt intake (quartiles), and green tea consumption (cups/day: <1, 1–2, 3–4, and ≥5).

^dExcluding participants with stomach cancer diagnosis within 3 years from the baseline in model 2.

^eExcluding participants with stomach cancer diagnosis within 3 years from the baseline in model 3.

^fIndicating heterogeneity among the pooled cohort studies.

Abbreviations: CI, confidence interval; HR, hazard ratio; JACC Study, the Japan Collaborative Cohort Study; JPHC Study, the Japan Public Health Center-based Prospective Study.