Supplementary Table 1 Odds ratios (ORs) and 95% confidence intervals (CIs) for serum one-carbon nutrient concentration (quartiles4 and continuous5) and the risk of non-cardia gastric adenocarcinoma (NCGA), esophago-gastric junctional carcinoma (EGJA), or esophageal squamous cell carcinoma (ESCC), in the ATBC Study. Estimates below are the produce of conditional logistic regression models (conditioned on batch) and restricted to cases and their matched (1:1) control.

		Odds Ratio (95% Confidence Interval										
		NCGA (n = 127)				EGJA (n= 46)			ESCC (n= 60)			
		N_{cases}/ $N_{controls}$	Unadjusted[1]	Fully adj.[2]	Additional adj.[3]	N_{cases}/ $N_{controls}$	Unadjusted[1]	Fully adj.[2]	N_{cases}/ $N_{controls}$	Unadjusted[1]	Fully adj.[2]	Additional adj.[3]
Vitamin B12 (pmol/L)	**Q1 (<291)**	54/33	6.58 (2.82, 15.33)	7.07 (2.92, 17.09)	7.51 (1.31, 42.96)	17/8	1.98 (0.56, 6.96)	1.84 (0.44, 7.67)	19/16	1.44 (0.53, 3.90)	1.18 (0.37, 3.75)	1.52 (0.15, 15.55)
	Q2 (291-349)	29/31	3.53 (1.49, 8.36)	4.45 (1.79, 11.06)	6.96 (1.00, 48.18)	12/13	0.97 (0.28, 3.36)	0.98 (0.23, 4.14)	15/12	1.52 (0.52, 4.47)	2.15 (0.62, 7.50)	20.11 (0.53, 756.33)
	Q3 (349-438)	34/26	5.03 (2.11, 11.98)	4.80 (1.92, 12.07)	7.62 (1.35, 43.19)	7/15	0.55 (0.16, 1.93)	0.75 (0.18, 3.12)	12/16	0.89 (0.34, 2.32)	0.98 (0.32, 2.98)	0.18 (0.01, 2.65)
	Q4 (>438)	10/37	Ref	Ref	Ref	10/10	Ref	Ref	14/16	Ref	Ref	Ref
	P_{trend}		<0.001	<0.001	0.069		0.110	0.308		0.369	0.545	0.817
	Continuous	127/127	0.71 (0.59, 0.85)	0.69 (0.57, 0.84)	0.67 (0.46, 96)	46/46	0.86 (0.68, 1.09)	0.90 (0.70, 1.17)	60/60	1.03 (0.96, 1.10)	1.04 (0.94, 1.15)	1.22 (0.96, 1.56)
Folate (nmol/L)	**Q1 (<6.8)**	40/36	1.42 (0.72, 2.80)	1.39 (0.66, 2.91)	0.64 (0.13, 3.29)	12/7	0.95 (0.29, 3.09)	0.80 (0.17, 3.65)	11/13	0.63 (0.23, 1.70)	0.62 (0.19, 2.00)	0.37 (0.04, 3.75)
	Q2 (6.8-8.7)	40/31	1.63 (0.81, 3.27)	1.74 (0.81, 3.70)	1.83 (0.40, 8.49)	7/15	0.31 (0.10, 0.99)	0.18 (0.04, 0.80)	14/16	0.61 (0.22, 1.69)	0.79 (0.23, 2.74)	0.35 (0.02, 4.98)
	Q3 (8.7-10.8)	21/27	0.97 (0.44, 2.15)	0.95 (0.41, 2.19)	0.72 (0.15, 3.43)	10/14	0.46 (0.16, 1.35)	0.25 (0.06, 1.08)	12/14	0.64 (0.25, 1.67)	0.68 (0.23, 2.05)	0.35 (0.03, 3.83)
	Q4 (>10.8)	26/33	Ref	Ref	Ref	17/10	Ref	Ref	23/17	Ref	Ref	Ref
	P_{trend}		0.185	0.237	0.933		0.646	0.619		0.33	0.480	0.463
	Continuous	127/127	0.87 (0.75, 1.01)	0.88 (0.75, 1.03)	0.89 (0.61, 1.29)	46/46	1.17 (0.92, 1.49)	1.22 (0.87, 1.70)	60/60	1.07 (0.88, 1.28)	1.09 (0.88, 1.35)	1.37 (0.88, 2.13)
Vitamin B6 (PLP; pmol/mL)	**Q1 (<16.9)**	45/28	1.77 (0.88, 3.56)	1.44 (0.67, 3.06)	1.26 (0.28, 5.68)	14/14	1.00 (0.35, 2.84)	0.88 (0.25, 3.16)	15/14	0.71 (0.27, 1.87)	0.90 (0.29, 2.85)	8.16 (0.41, 163.96
	Q2 (16.9-23.0)	26/31	0.91 (0.43, 1.93)	0.89 (0.41, 1.95)	0.49 (0.11, 2.22)	10/11	0.91 (0.28, 2.98)	0.66 (0.17, 2.62)	9/18	0.37 (0.13, 1.01)	0.36 (0.11, 1.18)	2.40 (0.12, 48.71)
	Q3 (23.0-35.0)	29/38	0.83 (0.41, 1.68)	0.70 (0.33, 1.49)	0.43 (0.09, 1.99)	10/9	1.10 (0.33, 3.61)	1.09 (0.27, 4.39)	16/15	0.73 (0.27, 2.01)	0.85 (0.25, 2.89)	5.18 (0.37, 71.53)
	Q4 (>35.0)	27/30	Ref	Ref	Ref	12/12	Ref	Ref	20/13	Ref	Ref	Ref
	P_{trend}		0.077	0.226	0.660		0.932	0.74		0.276	0.480	0.240
	Continuous	127/127	0.94 (0.87, 1.00)	0.94 (0.87, 1.01)	0.98 (0.85, 1.13)	46/46	0.98 (0.89, 1.09)	0.98 (0.88, 1.10)	60/60	1.02 (0.93, 1.11)	0.97 (0.87, 1.07)	0.94 (0.72, 1.21)
Riboflavin (pmol/mL)	**Q1 (<6.7)**	44/34	1.91 (0.91, 3.97)	1.84 (0.84, 4.03)	0.52 (0.12, 2.31)	12/6	3.31 (0.84, 13.00)	2.17 (0.46, 10.18)	15/16	0.82 (0.30, 2.25)	0.45 (0.12, 1.60)	0.48 (0.02, 11.70)
	Q2 (6.7-8.7)	30/34	1.25 (0.61, 2.58)	1.37 (0.63, 2.97)	1.06 (0.22, 5.01)	9/8	1.65 (0.48, 5.73)	0.72 (0.17, 3.11)	14/14	0.86 (0.30, 2.47)	0.59 (0.17, 2.00)	1.08 (0.08, 14.88)
	Q3 (8.7-11.7)	29/26	1.56 (0.74, 3.28)	1.56 (0.72, 3.41)	0.88 (0.18, 4.22)	13/16	1.12 (0.40, 3.13)	0.71 (0.21, 2.46)	16/17	0.81 (0.29, 2.26)	0.52 (0.15, 1.75)	2.78 (0.21, 37.51)
	Q4 (>11.7)	24/33	Ref	Ref	Ref	12/16	Ref	Ref	15/13	Ref	Ref	Ref
	P_{trend}		0.144	0.173	0.439		0.085	0.389		0.743	0.289	0.522
	Continuous	127/127	0.96 (0.89, 1.03)	0.96 (0.88, 1.04)	1.04 (0.92, 1.17)	46/46	0.95 (0.85, 1.07)	0.98 (0.86, 1.11)	60/60	1.06 (0.92, 1.22)	1.13 (0.93, 1.37)	1.29 (1.00, 1.68)
Homocysteine (nmol/mL)	**Q1 (<11.0)**	30/29	0.84 (0.42, 1.69)	1.00 (0.48, 2.09)	0.84 (0.20, 3.42)	10/9	1.51 (0.46, 4.99)	0.97 (0.23, 4.02)	14/13	0.82 (0.29, 2.35)	0.95 (0.289, 3.15)	3.47 (0.15, 82.17)
	Q2 (11.0-13.2)	25/32	0.64 (0.33, 1.27)	0.72 (0.35, 1.49)	0.71 (0.16, 3.18)	16/9	2.72 (0.82, 9.03)	2.19 (0.55, 8.63)	16/19	0.59 (0.22, 1.55)	0.63 (0.21, 1.84)	0.35 (0.03, 3.62)
	Q3 (13.2-15.6)	28/30	0.77 (0.39, 1.51)	0.88 (0.43, 1.80)	0.30 (0.06, 1.43)	9/13	0.94 (0.30, 2.89)	0.57 (0.14, 2.36)	10/14	0.51 (0.18, 1.43)	0.70 (0.23, 2.13)	9.15 (0.21, 391.69)
	Q4 (>15.6)	44/36	Ref	Ref	Ref	11/15	Ref	Ref	20/14	Ref	Ref	Ref
	P_{trend}		0.472	0.826	0.912		0.222	0.522		0.554	0.723	0.894
	Continuous	127/127	0.99 (0.89, 1.10)	0.96 (0.86, 1.08)	0.95 (0.77, 1.18)	46/46	0.99 (0.85, 1.16)	1.00 (0.84, 1.19)	60/60	1.10 (0.95, 1.29)	1.10 (0.96, 1.28)	1.13 (0.86, 1.50)

[1] Unadjusted = Crude odds ratios are calculated from conditional logistic regression models (conditioned on batch)
[2] Fully adj = Multivariable adjusted odds ratios are from conditional logistic regression models (conditioned on batch) adjusted for age, BMI, number of cigarettes smoked, years of cigarette smoking, educational attainment, alcohol consumption, energy intake, fruit, vegetables (not *H. pylori* or pepsinogen)
[3] Additional adj = Multivariable adjusted odds ratios are from conditional logistic regression models (conditioned on batch) adjusted for age, BMI, number of cigarettes smoked, years of cigarette smoking, educational attainment, alcohol consumption, energy intake, fruit, vegetables, as well as *H. pylori* positivity by multiplex and low pepsinogen; Additional adjustment models are not presented for EGJA because of small case numbers.
[4] Cutpoints for quartiles were defined by all of the controls used in the study.
[5] Continuous models are scaled to ½ the interquartile range in controls