

Supplemental Table 1. Intake of nutrients involved in folate-mediated one-carbon metabolism and time to diagnosis of endometrial cancer, associations stratified by multivitamin and alcohol use at enrollment: the NIH-AARP Diet and Health Study

	Multivitamin Use				P ²	Alcohol Use				P ²
	Non-Users		Users			Non-Users		Users		
	HR ¹	95% CI	HR ¹	95% CI		HR ¹	95% CI	HR ¹	95% CI	
Total Folate (post-fortification)					0.89					0.54
Q1	Reference		Reference			Reference		Reference		
Q2	1.15	(0.93–1.41)	1.06	(0.88–1.27)		1.23	(0.95–1.58)	1.05	(0.89–1.23)	
Q3	1.13	(0.92–1.40)	1.06	(0.88–1.27)		1.07	(0.82–1.39)	1.09	(0.93–1.29)	
Q4	1.12	(0.90–1.38)	1.08	(0.90–1.30)		1.17	(0.90–1.51)	1.07	(0.91–1.26)	
Q5	1.27	(1.03–1.58)	1.10	(0.91–1.32)		1.35	(1.04–1.74)	1.09	(0.93–1.30)	
Natural Folate					0.56					0.16
Q1	Reference		Reference			Reference		Reference		
Q2	1.32	(1.08–1.62)	1.14	(0.95–1.38)		1.33	(1.03–1.73)	1.18	(1.00–1.39)	
Q3	1.33	(1.08–1.63)	1.08	(0.90–1.30)		1.45	(1.12–1.87)	1.08	(0.92–1.27)	
Q4	1.21	(0.98–1.50)	1.18	(0.99–1.42)		1.20	(0.92–1.57)	1.19	(1.01–1.40)	
Q5	1.33	(1.07–1.65)	1.16	(0.97–1.40)		1.48	(1.15–1.92)	1.13	(0.95–1.34)	
Synthetic Folate (Folic Acid)					0.62					0.24
Q1	Reference		Reference			Reference		Reference		
Q2	1.12	(0.90–1.38)	1.14	(0.95–1.36)		1.34	(1.04–1.74)	1.07	(0.91–1.25)	
Q3	1.21	(0.98–1.49)	1.02	(0.86–1.23)		1.34	(1.03–1.74)	1.02	(0.87–1.19)	
Q4	1.05	(0.85–1.31)	1.06	(0.89–1.27)		1.10	(0.84–1.45)	1.05	(0.90–1.24)	
Q5	1.10	(0.89–1.37)	1.00	(0.83–1.20)		1.26	(0.97–1.63)	0.97	(0.82–1.15)	
Pre-fortification Total Folate³					0.32					0.3
Q1	Reference		Reference			Reference		Reference		
Q2	1.08	(0.88–1.32)	1.04	(0.87–1.25)		1.32	(1.02–1.71)	0.97	(0.83–1.14)	
Q3	1.03	(0.84–1.27)	1.16	(0.97–1.39)		1.24	(0.95–1.62)	1.07	(0.91–1.25)	
Q4	1.24	(1.01–1.52)	1.08	(0.90–1.30)		1.27	(0.97–1.65)	1.10	(0.93–1.29)	
Q5	1.22	(0.99–1.51)	1.08	(0.89–1.30)		1.39	(1.07–1.80)	1.04	(0.88–1.23)	
Vitamin B2					0.74					<0.001
Q1	Reference		Reference			Reference		Reference		
Q2	1.03	(0.84–1.28)	1.05	(0.87–1.26)		1.00	(0.75–1.32)	1.05	(0.90–1.24)	
Q3	1.05	(0.85–1.30)	1.14	(0.95–1.36)		0.93	(0.70–1.23)	1.17	(1.00–1.37)	
Q4	1.16	(0.94–1.43)	1.08	(0.90–1.30)		1.41	(1.09–1.83)	1.00	(0.85–1.18)	
Q5	1.22	(0.98–1.50)	1.10	(0.92–1.33)		1.38	(1.07–1.78)	1.05	(0.88–1.24)	
Vitamin B3					0.93					0.5
Q1	Reference		Reference			Reference		Reference		
Q2	1.08	(0.88–1.32)	1.10	(0.92–1.31)		1.09	(0.86–1.39)	1.07	(0.92–1.26)	
Q3	0.99	(0.80–1.21)	1.07	(0.90–1.27)		1.16	(0.91–1.48)	0.98	(0.84–1.16)	
Q4	0.98	(0.80–1.21)	0.97	(0.81–1.16)		0.97	(0.75–1.25)	0.97	(0.82–1.13)	
Q5	0.93	(0.75–1.15)	0.88	(0.73–1.07)		1.05	(0.82–1.35)	0.85	(0.71–1.00)	
Vitamin B6					0.39					0.25
Q1	Reference		Reference			Reference		Reference		
Q2	1.21	(0.99–1.50)	1.01	(0.83–1.21)		1.29	(0.99–1.68)	1.03	(0.87–1.21)	
Q3	1.17	(0.94–1.44)	1.10	(0.92–1.32)		1.09	(0.83–1.43)	1.14	(0.98–1.34)	
Q4	1.14	(0.92–1.41)	1.07	(0.89–1.28)		1.26	(0.96–1.64)	1.03	(0.88–1.22)	
Q5	1.43	(1.15–1.76)	1.12	(0.93–1.34)		1.41	(1.09–1.82)	1.17	(0.99–1.39)	
Vitamin B12					0.84					0.33
Q1	Reference		Reference			Reference		Reference		
Q2	1.05	(0.85–1.31)	1.03	(0.85–1.23)		0.95	(0.73–1.25)	1.06	(0.90–1.25)	
Q3	1.13	(0.91–1.40)	0.96	(0.80–1.16)		1.13	(0.88–1.46)	0.97	(0.82–1.15)	
Q4	1.21	(0.98–1.50)	1.09	(0.91–1.30)		1.27	(0.99–1.63)	1.07	(0.91–1.26)	
Q5	1.23	(1.00–1.52)	1.14	(0.95–1.36)		1.22	(0.95–1.56)	1.15	(0.98–1.35)	
Methionine⁴										0.51
Q1	Reference		Reference			Reference		Reference		
Q2						1.02	(0.78–1.33)	1.02	(0.86–1.20)	
Q3						1.11	(0.85–1.44)	1.05	(0.89–1.24)	
Q4						1.16	(0.90–1.49)	0.99	(0.84–1.17)	
Q5						1.25	(0.98–1.59)	1.03	(0.87–1.21)	

n=number; HR= hazard ratio; CI=confidence interval; Q1-Q5=calorie adjusted quintiles of intake for each nutrient (supplements not included)

¹All models adjusted for: age, race, body mass index, smoking status, oral contraceptive use, menopausal hormone therapy use, caloric intake.

²P for heterogeneity from likelihood ratio tests comparing models with and without interaction terms for dichotomous B-vitamin supplement use or alcohol use and each dietary intake exposure

³Total dietary folate intake using estimates of food nutritional content before U.S. fortification (1996-1998).

⁴We did not stratify these models by multivitamin use because methionine is not a typical component of multivitamins