

Web-Table 2 Logistic regression models of the associations between vitamin B6 intake from dietary sources and of total vitamin B6 intake (diet and supplement intake) and colorectal cancer stratified by: *MTHFR A677C* (AA, AC, CC); *MTHFR A1298G* (AA, AG, GG); *MTR A2756G* (AA, AG/GG); *MTRR A66G* (AA, AG, GG); stratified by type of cancer (participants ≤55 years old)

	<i>Model I</i>						<i>Model II</i>					
	<i>MTHFR 677 CC</i>		<i>MTHFR 677 CT</i>		<i>MTHFR 677 TT</i>		<i>MTHFR 677 CC</i>		<i>MTHFR 677 CT</i>		<i>MTHFR 677 TT</i>	
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
COLON CANCER												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	1.11	0.61, 2.04	0.86	0.48, 1.55	0.80	0.25, 2.61	1.06	0.55, 2.05	0.71	0.37, 1.35	1.06	0.23, 4.84
2.90-3.25	0.77	0.40, 1.50	0.58	0.31, 1.06	0.27	0.06, 1.16	0.77	0.38, 1.55	0.46	0.23, 0.92	0.39	0.08, 2.02
≥3.26	0.58	0.30, 1.11	0.36	0.17, 0.74	0.41	0.12, 1.43	0.56	0.27, 1.18	0.23	0.10, 0.53	0.62	0.13, 2.98
	p for trend 0.05		p for trend 0.002		p for trend 0.07		p for trend 0.076		p for trend <0.0005		p for trend 0.326	
	p for interaction 0.84											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	1.11	0.60, 2.07	0.59	0.33, 1.07	0.95	0.28, 3.24	1.02	0.52, 2.00	0.48	0.25, 0.92	1.25	0.26, 6.11
2.96-3.38	0.81	0.42, 1.55	0.71	0.40, 1.27	0.50	0.15, 1.72	0.84	0.42, 1.68	0.52	0.27, 1.02	0.73	0.17, 3.17
≥3.39	0.71	0.38, 1.35	0.22	0.10, 0.48	0.37	0.10, 1.36	0.66	0.32, 1.36	0.15	0.06, 0.37	0.56	0.11, 2.81
	p for trend 0.193		p for trend 0.001		p for trend 0.078		p for trend 0.208		p for trend <0.0005		p for trend 0.348	
	p for interaction 0.26											
RECTAL CANCER												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	0.90	0.51, 1.59	1.00	0.50, 2.00	0.83	0.24, 2.91	0.99	0.54, 1.81	1.13	0.54, 2.41	1.15	0.24, 5.45
2.90-3.25	0.71	0.39, 1.31	0.88	0.45, 1.75	0.81	0.23, 0.81	0.84	0.43, 1.63	1.13	0.53, 2.41	1.66	0.35, 7.93
≥3.26	0.45	0.25, 0.84	0.95	0.47, 1.90	0.25	0.05, 1.18	0.57	0.28, 1.14	1.44	0.64, 3.26	0.44	0.07, 1.76
	p for trend 0.009		p for trend 0.799		p for trend 0.095		p for trend 0.099		p for trend 0.405		p for trend 0.501	
	p for interaction 0.47											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	0.97	0.54, 1.73	0.88	0.45, 1.72	0.96	0.27, 3.40	1.09	0.59, 2.02	0.95	0.46, 2.96	1.27	0.28, 5.72
2.96-3.38	0.71	0.39, 1.30	0.90	0.46, 1.76	0.45	0.12, 1.74	0.91	0.47, 1.74	1.07	0.50, 2.26	0.87	0.18, 4.35
≥3.39	0.57	0.31, 1.05	0.75	0.38, 1.51	0.45	0.12, 1.73	0.75	0.38, 1.49	1.00	0.45, 2.21	0.79	0.16, 3.94
	p for trend 0.043		p for trend 0.462		p for trend 0.147		p for trend 0.352		p for trend 0.918		p for trend 0.627	
	p for interaction 0.85											

	<i>Model I</i>						<i>Model II</i>					
	<i>MTHFR 1298AA</i>		<i>MTHFR 1298AC</i>		<i>MTHFR 1298CC</i>		<i>MTHFR 1298AA</i>		<i>MTHFR 1298AC</i>		<i>MTHFR 1298CC</i>	
	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>
COLON CANCER												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	1.04	0.59, 1.84	0.94	0.51, 1.75	0.53	0.14, 2.04	0.93	0.49, 1.76	0.83	0.42, 1.63	1.09	0.21, 5.55
2.90-3.25	0.66	0.36, 1.20	0.61	0.32, 1.17	0.49	0.10, 2.34	0.60	0.31, 1.16	0.53	0.25, 1.12	0.54	0.09, 3.45
≥3.26	0.58	0.31, 1.08	0.37	0.18, 0.75	0.42	0.11, 1.53	0.51	0.25, 1.07	0.25	0.10, 0.58	0.99	0.17, 5.70
	p for trend 0.034		p for trend 0.002		p for trend 0.215		p for trend 0.033		p for trend 0.001		p for trend 0.822	
	p for interaction 0.92											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	0.92	0.51, 1.65	0.63	0.34, 1.16	1.17	0.30, 4.53	0.74	0.38, 1.42	0.60	0.31, 1.18	1.54	0.32, 7.48
2.96-3.38	0.85	0.48, 1.50	0.64	0.34, 1.19	0.65	0.15, 2.80	0.78	0.41, 1.48	0.53	0.26, 1.10	0.76	0.13, 4.31
≥3.39	0.55	0.29, 1.03	0.28	0.13, 0.59	0.52	0.13, 2.09	0.48	0.23, 0.99	0.21	0.09, 0.49	0.91	0.16, 5.12
	p for trend 0.070		p for trend 0.001		p for trend 0.243		p for trend 0.071		p for trend <0.0005		p for trend 0.694	
	p for interaction 0.72											
RECTAL CANCER												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	1.32	0.73, 2.38	0.89	0.44, 1.81	0.41	0.14, 1.20	1.78	0.92, 3.44	0.87	0.42, 1.81	0.63	0.18, 2.25
2.90-3.25	0.98	0.53, 1.81	0.95	0.48, 1.87	0.26	0.07, 1.02	1.42	0.71, 2.82	1.01	0.48, 2.13	0.45	0.10, 2.03
≥3.26	0.69	0.35, 1.34	0.88	0.45, 1.74	0.12	0.03, 0.44	1.15	0.53, 2.51	0.93	0.43, 2.03	0.24	0.05, 1.23
	p for trend 0.196		p for trend 0.780		p for trend 0.001		p for trend 0.892		p for trend 0.979		p for trend 0.077	
	p for interaction 0.15											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	1.39	0.78, 2.49	0.80	0.39, 1.63	0.40	0.13, 1.27	1.74	0.92, 3.28	0.82	0.39, 1.75	0.61	0.16, 2.25
2.96-3.38	0.70	0.37, 1.32	1.25	0.64, 2.42	0.19	0.05, 0.74	0.98	0.48, 2.00	1.46	0.69, 3.08	0.27	0.06, 1.13
≥3.39	0.72	0.38, 1.37	0.91	0.46, 1.80	0.15	0.04, 0.54	1.08	0.52, 2.25	1.02	0.47, 2.21	0.33	0.07, 1.51
	p for trend 0.101		p for trend 0.875		p for trend 0.002		p for trend 0.722		p for trend 0.651		p for trend 0.069	
	p for interaction 0.04											
	<i>Model I*</i>						<i>Model II†</i>					
	<i>MTR 2756AA</i>		<i>MTR 2756AG or MTR 2756GG</i>				<i>MTR 2756AA</i>		<i>MTR 2756AG or MTR 2756GG</i>			

	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>
COLON CANCER										
Dietary intake										
≤2.55	1.00		1.00		1.00		1.00		1.00	
2.56-2.89	0.94	0.58, 1.52	0.96	0.50, 1.90	0.85	0.49, 1.46	0.81	0.39, 1.68		
2.90-3.25	0.67	0.40, 1.12	0.53	0.25, 1.11	0.62	0.35, 1.09	0.46	0.20, 1.04		
≥3.26	0.46	0.26, 0.79	0.49	0.23, 1.03	0.35	0.18, 0.68	0.42	0.18, 0.98		
	p for trend 0.002		p for trend 0.021		p for trend 0.001		p for trend 0.018			
	p for interaction 0.89				p for interaction 0.79					
Total intake										
≤2.58	1.00		1.00		1.00		1.00		1.00	
2.59-2.95	0.78	0.47, 1.27	0.87	0.44, 1.71	0.67	0.39, 1.16	0.74	0.35, 1.57		
2.96-3.38	0.70	0.43, 1.16	0.81	0.41, 1.60	0.65	0.37, 1.13	0.70	0.33, 1.51		
≥3.39	0.45	0.26, 0.77	0.38	0.17, 0.82	0.37	0.20, 0.70	0.32	0.13, 0.77		
	p for trend 0.004		p for trend 0.019		p for trend 0.003		p for trend 0.015			
	p for interaction 0.93				p for interaction 0.95					
RECTAL CANCER										
Dietary intake										
≤2.55	1.00		1.00		1.00		1.00		1.00	
2.56-2.89	0.89	0.54, 1.49	1.05	0.53, 2.10	1.08	0.63, 1.85	1.01	0.47, 2.16		
2.90-3.25	0.84	0.50, 1.40	0.68	0.33, 1.41	1.29	0.73, 2.27	0.68	0.30, 1.54		
≥3.26	0.53	0.31, 0.92	0.75	0.37, 1.52	0.88	0.47, 1.65	0.81	0.35, 1.83		
	p for trend 0.027		p for trend 0.255		p for trend 0.875		p for trend 0.413			
	p for interaction 0.65				p for interaction 0.42					
Total intake										
≤2.58	1.00		1.00		1.00		1.00		1.00	
2.59-2.95	0.93	0.56, 1.55	0.99	0.50, 1.97	1.13	0.66, 1.93	0.98	0.46, 2.08		
2.96-3.38	0.79	0.47, 1.32	0.66	0.32, 1.37	1.22	0.69, 2.15	0.66	0.29, 1.49		
≥3.39	0.60	0.35, 1.02	0.71	0.35, 1.43	0.93	0.51, 1.70	0.74	0.33, 1.65		
	p for trend 0.049		p for trend 0.210		p for trend 0.876		p for trend 0.322			
	p for interaction 0.88				p for interaction 0.68					
	Model I*				Model II†					
	MTRR 66AA		MTRR 66AG		MTRR 66AA		MTRR 66AG		MTRR 66GG	
	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>	<i>OR</i>	<i>95% CI</i>
COLON CANCER										
Dietary intake										

≤2.55	1.00		1.00		1.00		1.00		1.00		1.00		1.00
2.56-2.89	1.32	0.53, 3.25	0.92	0.52, 1.65	0.90	0.45, 1.81	1.28	0.48, 3.41	0.80	0.41, 1.54	0.81	0.38, 1.74	
2.90-3.25	0.63	0.22, 1.78	0.75	0.41, 1.38	0.48	0.23, 1.02	0.64	0.20, 2.03	0.69	0.35, 1.35	0.44	0.20, 0.99	
≥3.26	0.81	0.31, 2.13	0.29	0.14, 0.61	0.57	0.28, 1.18	0.80	0.25, 2.52	0.25	0.11, 0.57	0.41	0.17, 0.99	
	p for trend 0.360		p for trend 0.001		p for trend 0.047		p for trend 0.449		p for trend 0.001		p for trend 0.015		
	p for interaction 0.28						p for interaction 0.29						
Total intake													
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00		1.00
2.59-2.95	0.66	0.26, 1.70	0.83	0.45, 1.53	0.89	0.45, 1.77	0.51	0.18, 1.46	0.75	0.38, 1.49	0.77	0.37, 1.63	
2.96-3.38	1.16	0.47, 2.88	0.66	0.36, 1.20	0.68	0.33, 1.39	1.22	0.42, 3.60	0.64	0.33, 1.25	0.56	0.25, 1.22	
≥3.39	0.34	0.12, 1.00	0.42	0.22, 0.81	0.52	0.24, 1.11	0.23	0.06, 0.85	0.39	0.18, 0.82	0.41	0.17, 0.98	
	p for trend 0.152		p for trend 0.008		p for trend 0.063		p for trend 0.126		p for trend 0.0014		p for trend 0.030		
	p for interaction 0.94						p for interaction 0.83						
RECTAL CANCER													
Dietary intake													
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00		1.00
2.56-2.89	1.03	0.41, 2.58	0.91	0.51, 1.63	0.98	0.46, 2.09	0.87	0.32, 2.35	1.09	0.58, 2.02	1.28	0.56, 2.91	
2.90-3.25	0.67	0.26, 1.77	0.81	0.44, 1.48	0.85	0.40, 1.80	0.57	0.18, 1.72	1.05	0.54, 2.05	1.30	0.58, 2.93	
≥3.26	0.41	0.13, 1.23	0.65	0.36, 1.17	0.69	0.31, 1.52	0.41	0.11, 1.47	0.91	0.46, 1.82	1.40	0.54, 3.65	
	p for trend 0.076		p for trend 0.134		p for trend 0.316		p for trend 0.126		p for trend 0.761		p for trend 0.498		
	p for interaction 0.95						p for interaction 0.96						
Total intake													
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00		1.00
2.59-2.95	0.46	0.18, 1.20	1.14	0.63, 2.04	1.14	0.54, 2.43	0.31	0.11, 0.92	1.41	0.75, 2.64	1.43	0.64, 3.19	
2.96-3.38	0.42	0.15, 1.16	0.76	0.42, 1.38	1.06	0.50, 2.27	0.37	0.12, 1.18	1.01	0.52, 1.96	1.70	0.74, 3.91	
≥3.39	0.49	0.19, 1.24	0.68	0.37, 1.24	0.74	0.33, 1.67	0.41	0.13, 1.28	0.94	0.47, 1.86	1.36	0.54, 3.43	
	p for trend 0.129		p for trend 0.113		p for trend 0.452		p for trend 0.206		p for trend 0.591		p for trend 0.448		
	p for interaction 0.77						p for interaction 0.74						

* Adjusted for energy (residual method), age, sex and Deprivation score

† Adjusted for energy (residual method), energy (included as a covariate) age, sex, Deprivation score, fibre intake (energy adjusted, quartiles), alcohol intake (energy adjusted), smoking (non-smoker, current smoker, former smoker), BMI, NSAIDs intake.