

**Web Table 1 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); in the whole population (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>	
	<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>
WHOLE SAMPLE												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	0.97	0.61, 1.56	0.90	0.55, 1.47	0.79	0.30, 2.07	0.99	0.60, 1.63	0.85	0.50, 1.46	1.05	0.33, 2.27
2.90-3.25	0.70	0.43, 1.16	0.71	0.43, 1.17	0.48	0.17, 1.32	0.73	0.43, 1.25	0.70	0.40, 1.21	0.72	0.22, 2.35
≥3.26	0.50	0.30, 0.81	0.59	0.35, 1.00	0.32	0.11, 0.93	0.54	0.31, 0.93	0.57	0.30, 1.05	0.49	0.14, 1.72
	p for trend 0.002		p for trend 0.03		p for trend 0.02		p for trend 0.01		p for trend 0.06		p for trend 0.20	
	p for interaction 0.95											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	1.00	0.62, 1.62	0.68	0.42, 1.11	0.94	0.35, 2.52	1.02	0.61, 1.69	0.62	0.37, 1.06	1.20	0.38, 3.80
2.96-3.38	0.72	0.44, 1.17	0.81	0.50, 1.31	0.44	0.16, 1.20	0.81	0.48, 1.36	0.73	0.42, 1.27	0.67	0.21, 2.18
≥3.39	0.62	0.38, 1.00	0.44	0.25, 0.75	0.39	0.14, 1.09	0.68	0.40, 1.17	0.41	0.22, 0.75	0.55	0.16, 1.85
	p for trend 0.02		p for trend 0.01		p for trend 0.03		p for trend 0.11		p for trend 0.01		p for trend 0.20	
	p for interaction 0.45											
	<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>
WHOLE SAMPLE												
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	1.12	0.71, 1.78	0.91	0.55, 1.53	0.44	0.17, 1.13	1.20	0.72, 2.00	0.85	0.49, 1.47	0.64	0.22, 1.87
2.90-3.25	0.77	0.48, 1.24	0.75	0.44, 1.26	0.31	0.10, 0.97	0.85	0.50, 1.45	0.73	0.41, 1.29	0.40	0.12, 1.37
≥3.26	0.61	0.37, 1.02	0.58	0.34, 0.98	0.20	0.07, 0.55	0.74	0.42, 1.34	0.49	0.27, 0.90	0.39	0.11, 1.37
	p for trend 0.02		p for trend 0.03		p for trend 0.002		p for trend 0.17		p for trend 0.020		p for trend 0.10	
	p for interaction 0.60											
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	1.08	0.68, 1.72	0.69	0.41, 1.15	0.58	0.22, 1.56	1.10	0.66, 1.83	0.68	0.40, 1.18	0.73	0.24, 2.20
2.96-3.38	0.76	0.48, 1.22	0.85	0.51, 1.40	0.30	0.10, 0.88	0.87	0.51, 1.48	0.85	0.48, 1.49	0.38	0.12, 1.19
≥3.39	0.61	0.37, 1.00	0.52	0.31, 0.89	0.24	0.09, 0.66	0.70	0.40, 1.24	0.48	0.26, 0.87	0.39	0.12, 1.27
	p for trend 0.02		p for trend 0.04		p for trend 0.003		p for trend 0.15		p for trend 0.04		p for trend 0.06	
	p for interaction 0.39											

WHOLE SAMPLE	<i>Model I</i> <small>Error! Bookmark not defined.*</small>				<i>Model II</i>							
	<b>MTR 2756AA</b>		<b>MTR 2756AG or MTR 2756GG</b>		<b>MTR 2756AA</b>		<b>MTR 2756AG or MTR 2756GG</b>					
	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>		
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00					
2.56-2.89	0.91	0.61, 1.34	0.96	0.56, 1.64	0.96	0.63, 1.46	0.84	0.47, 1.52				
2.90-3.25	0.74	0.49, 1.10	0.58	0.33, 1.03	0.84	0.54, 1.30	0.54	0.29, 1.00				
≥3.26	0.49	0.32, 0.75	0.59	0.33, 1.03	0.55	0.34, 0.90	0.56	0.29, 1.06				
	p for trend 0.001		p for trend 0.02		p for trend 0.02		p for trend 0.032					
	p for interaction 0.74				p for interaction 0.51							
Total intake												
≤2.58	1.00		1.00		1.00		1.00					
2.59-2.95	0.82	0.55, 1.23	0.87	0.51, 1.50	0.85	0.55, 1.30	0.79	0.44, 1.44				
2.96-3.38	0.73	0.49, 1.09	0.70	0.41, 1.22	0.85	0.55, 1.31	0.65	0.35, 1.20				
≥3.39	0.52	0.34, 0.80	0.50	0.28, 0.89	0.59	0.37, 0.95	0.47	0.25, 0.90				
	p for trend 0.002		p for trend 0.01		p for trend 0.04		p for trend 0.02					
	p for interaction 0.99				p for interaction 0.97							
	<i>Model I</i>				<i>Model II</i>							
	<b>MTRR 66AA</b>		<b>MTRR 66AG</b>		<b>MTRR 66GG</b>		<b>MTRR 66AA</b>		<b>MTRR 66AG</b>		<b>MTRR 66GG</b>	
	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>	<b>OR</b>	<b>95% CI</b>
Dietary intake												
≤2.55	1.00		1.00		1.00		1.00		1.00		1.00	
2.56-2.89	1.20	0.58, 2.49	0.88	0.55, 1.39	0.87	0.49, 1.54	1.09	0.50, 2.35	0.90	0.55, 1.48	0.92	0.50, 1.70
2.90-3.25	0.67	0.30, 1.45	0.74	0.46, 1.19	0.63	0.36, 1.12	0.60	0.25, 1.43	0.80	0.47, 1.35	0.69	0.37, 1.26
≥3.26	0.62	0.28, 1.38	0.46	0.28, 0.75	0.58	0.32, 1.04	0.59	0.23, 1.49	0.51	0.29, 0.89	0.65	0.33, 1.30
	p for trend 0.10		p for trend 0.002		p for trend 0.04		p for trend 0.14		p for trend 0.02		p for trend 0.14	
	p for interaction 0.85						p for interaction 0.89					
Total intake												
≤2.58	1.00		1.00		1.00		1.00		1.00		1.00	
2.59-2.95	0.58	0.27, 1.22	0.92	0.58, 1.48	0.93	0.53, 1.62	0.43	0.19, 0.98	0.97	0.58, 1.62	0.95	0.53, 1.74
2.96-3.38	0.77	0.36, 1.61	0.68	0.42, 1.08	0.80	0.45, 1.41	0.71	0.30, 1.70	0.76	0.45, 1.27	0.86	0.46, 1.60
≥3.39	0.42	0.19, 0.91	0.53	0.33, 0.87	0.58	0.32, 1.06	0.32	0.12, 0.81	0.60	0.35, 1.03	0.66	0.34, 1.31
	p for trend 0.06		p for trend 0.006		p for trend 0.07		p for trend 0.06		p for trend 0.04		p for trend 0.22	
	p for interaction 0.98						p for interaction 0.96					

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\* 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.