

Webtable 1 Quintiles of circulating 25-(OH)D3 concentration and the risk of cancers of the colorectum, colon, and rectum.

Quintile cut-points (nmol/L)	Quintiles of circulating 25-(OH)D3 concentration					P for trend
	1 (reference)	2	3	4	5	
	≤40.2	>40.2 to ≤52.6	>52.6 to ≤65.1	>65.1 to ≤83.4	>83.4	
Colorectum						
Mean (SD), median (nmol/L)	31.2 (6.7), 32.3	46.6 (3.8), 46.4	58.5 (3.6), 58.5	73.7 (5.0), 73.4	108.9 (32.4), 101.9	
No. cases/controls	307/251	261/247	249/52	250/249	181/249	
Matching factors*	1.00	0.86 (0.67 to 1.10)	0.79 (0.61 to 1.02)	0.79 (0.62 to 1.02)	0.58 (0.45 to 0.75)	<0.001
Multivariate adjusted†	1.00	0.91 (0.71 to 1.18)	0.78 (0.60 to 1.02)	0.80 (0.61 to 1.04)	0.60 (0.46 to 0.80)	<0.001
Colon						
Mean (SD), median (nmol/L)	31.6 (6.2), 33.0	46.9 (3.8), 46.6	58.6 (3.7), 58.5	73.7 (4.9), 73.4	106.8 (26.6), 99.1	
Number of cases/controls	206/150	166/158	162/64	146/152	105/161	
Matching factors*	1.00	0.76 (0.56 to 1.03)	0.69 (0.50 to 0.95)	0.66 (0.48 to 0.92)	0.46 (0.33 to 0.64)	<0.001
Multivariate adjusted†	1.00	0.77 (0.56 to 1.06)	0.65 (0.46 to 0.92)	0.66 (0.47 to 0.93)	0.47 (0.33 to 0.68)	<0.001

Quintile cut-points (nmol/L)	Quintiles of circulating 25-(OH)D3 concentration					P for trend
	1 (reference)	2	3	4	5	
	≤40.2	>40.2 to ≤52.6	>52.6 to ≤65.1	>65.1 to ≤83.4	>83.4	
Rectum						
Mean (SD), median (nmol/L)	30.5 (7.4), 32.0	46.1 (3.8), 45.8	58.3 (3.4), 58.5	73.7 (5.2), 73.5	112.6 (40.9), 104.1	
Number of cases/controls	101/101	95/89	87/88	104/97	76/88	
Matching Factors*	1.00	1.08 (0.62 to 1.63)	0.99 (0.66 to 1.50)	1.06 (0.71 to 1.58)	0.86 (0.56 to 1.32)	0.573
Multivariate adjusted†	1.00	1.29 (0.82 to 2.02)	1.06 (0.67 to 1.67)	1.18 (0.76 to 1.84)	0.89 (0.56 to 1.43)	0.647

Values are incidence rate ratio (95% confidence interval). *Model based on matching factors only. †Model based on matching factors plus further adjustments for smoking status/duration/intensity, body mass index, total physical activity, education level, total dietary energy consumption, and intake of total fruits, vegetables, meats/meat products, and alcohol. Values for mean and median are based on control participants only.