

Supplementary Table 2. Association between lipid profiles and rectal cancer

Group	Number	Events	Follow-up duration (person-years)	Incidence rate (per 1,000 person-years)	Crude HR (95% CI, <i>p</i> value)	Adjusted HR ^{a)} (95% CI, <i>p</i> value)
Remnant cholesterol group						
1st quartile	46,476	168	313,402.0	0.54	1 (reference)	1 (reference)
2nd quartile	48,695	200	327,320.4	0.61	1.14 (0.93–1.40, <i>p</i> = 0.213)	1.10 (0.89–1.35, <i>p</i> = 0.375)
3rd quartile	50,723	225	340,959.3	0.66	1.23 (1.01–1.50, <i>p</i> = 0.042)	1.16 (0.94–1.42, <i>p</i> = 0.159)
4th quartile	50,300	237	338,220.8	0.70	1.31 (1.07–1.59, <i>p</i> = 0.008)	1.22 (1.00–1.50, <i>p</i> = 0.055)
LDL cholesterol group						
1st quartile	48,260	225	322,888.5	0.70	1 (reference)	1 (reference)
2nd quartile	49,520	215	333,243.4	0.65	0.93 (0.77–1.12, <i>p</i> = 0.424)	1.00 (0.83–1.21, <i>p</i> = 0.974)
3rd quartile	49,603	207	334,353.6	0.62	0.89 (0.74–1.07, <i>p</i> = 0.224)	1.02 (0.85–1.24, <i>p</i> = 0.816)
4th quartile	48,811	183	329,417.0	0.56	0.80 (0.66–0.97, <i>p</i> = 0.024)	0.99 (0.81–1.21, <i>p</i> = 0.954)
HDL cholesterol group						
1st quartile	49,343	238	330,438.2	0.72	1 (reference)	1 (reference)
2nd quartile	50,297	225	338,485.3	0.66	0.92 (0.77–1.11, <i>p</i> = 0.392)	1.00 (0.83–1.20, <i>p</i> = 0.989)
3rd quartile	47,709	195	321,870.3	0.61	0.84 (0.70–1.02, <i>p</i> = 0.075)	0.96 (0.79–1.16, <i>p</i> = 0.663)
4th quartile	48,845	172	329,108.7	0.52	0.73 (0.60–0.88, <i>p</i> = 0.001)	0.89 (0.72–1.09, <i>p</i> = 0.243)
Total cholesterol group						
1st quartile	48,929	238	327,190.2	0.73	1 (reference)	1 (reference)
2nd quartile	48,107	201	323,782.0	0.62	0.85 (0.71–1.03, <i>p</i> = 0.100)	0.95 (0.79–1.15, <i>p</i> = 0.594)
3rd quartile	49,811	199	335,861.2	0.59	0.82 (0.68–0.98, <i>p</i> = 0.034)	0.97 (0.80–1.17, <i>p</i> = 0.737)
4th quartile	49,347	192	333,069.0	0.58	0.79 (0.66–0.96, <i>p</i> = 0.017)	1.03 (0.84–1.25, <i>p</i> = 0.788)
Triglyceride group						
1st quartile	49,804	183	335,904.0	0.54	1 (reference)	1 (reference)
2nd quartile	48,578	196	326,629.3	0.60	1.10 (0.90–1.35, <i>p</i> = 0.350)	1.06 (0.87–1.30, <i>p</i> = 0.570)
3rd quartile	48,992	216	329,170.8	0.66	1.20 (0.99–1.47, <i>p</i> = 0.065)	1.14 (0.93–1.39, <i>p</i> = 0.207)
4th quartile	48,820	235	328,198.4	0.72	1.31 (1.08–1.59, <i>p</i> = 0.006)	1.24 (1.01–1.51, <i>p</i> = 0.040)

HR, hazard ratio; CI, confidence interval; LDL, low-density lipoprotein; HDL, high-density lipoprotein.

^{a)}The model was adjusted for age, sex, income level, residential area, hypertension, diabetes mellitus, Charlson Comorbidity Index, body mass index, hemoglobin, glomerular filtration rate, smoking status, alcohol consumption, and regular exercise status.