

**S1 Table.** Baseline TG levels and incidence of early onset colorectal cancer according to the change of TG status among participants aged 20-49 years (National Health Insurance Service 2009-2019) by anatomic sites

	Total (n=3,340,635)	TG change				p-value
		Group 1 (n=2,053,340)	Group 2 (n=380,412)	Group 3 (n=331,637)	Group 4 (n=575,246)	
2009_TG <sup>a)</sup> , mean (95% CI)	106.07 (106.00-106.14)	76.47 (76.43-76.51)	103.26 (103.17-103.36)	201.34 (201.15-201.53)	239.90 (239.68-240.12)	<0.0001
2009_TG <sup>b)</sup> , mean±SD	127.86±91.62	81.90±29.39	107.36±27.33	211.24±82.65	257.40±112.37	<0.0001
2011_TG <sup>c)</sup> , mean (95% CI)	108.07 (108.00-108.14)	77.63 (77.59-77.67)	199.63 (199.46-199.79)	104.33 (104.22-104.43)	239.42 (239.21-239.63)	<0.0001
2011_TG <sup>d)</sup> , mean±SD	129.34±88.30	83.09±29.64	207.16±67.37	108.37±27.24	255.07±104.95	<0.0001
2009_TG <sup>e)</sup> > 150 mg/dL, n (%)	906,883 (27.15)	.	.	331,637 (100.00)	575,246 (100.00)	
2011_TG <sup>f)</sup> > 150 mg/dL, n (%)	955,658 (28.61)	.	380,412 (100.00)	.	575,246 (100.00)	
if incidence age > 50 then censored						
Colorectal	7,492 (0.22)	4,575 (0.22)	806 (0.21)	731 (0.22)	1,380 (0.24)	0.0255
Colon	5,392 (0.16)	3,465 (0.17)	558 (0.15)	466 (0.14)	903 (0.16)	<0.0001
Rectum	2,100 (0.06)	1,110 (0.05)	248 (0.07)	265 (0.08)	477 (0.08)	<0.0001
Proximal colon	554 (0.02)	312 (0.02)	57 (0.01)	66 (0.02)	119 (0.02)	0.0116
Distal colon	1,218 (0.04)	722 (0.04)	147 (0.04)	98 (0.03)	251 (0.04)	0.003
Unspecified	3,596 (0.11)	2,417 (0.12)	351 (0.09)	299 (0.09)	529 (0.09)	<0.0001
Follow-up duration						
Mean±SD	6.05±2.16	6.12±2.11	6.04±2.18	5.9±2.25	5.9±2.24	<0.0001
Median (Q1-Q3)	7.14 (5.18-7.45)	7.16 (5.34-7.47)	7.14 (5.16-7.45)	7.11 (4.63-7.44)	7.11 (4.68-7.41)	<0.0001

Group 1 (normal TG-persisted), group 2 (normal to HTG), group 3 (HTG to normal), group 4 (HTG-persisted). CI, confidence interval; SD, standard deviation; Q, quartile; TG, triglyceride.  
<sup>a)</sup>Geometric mean TG for year 2009, <sup>b)</sup>Mean TG for year 2009, <sup>c)</sup>Geometric mean TG for year 2011 (index year), <sup>d)</sup>Mean TG for year 2011, <sup>e)</sup>TG ≥ 150 mg/dL for year 2009, <sup>f)</sup>TG ≥ 150 mg/dL for year 2011.