

Supplementary file 1

Table S1. Relative risk of outcomes in patients with Ulcerative colitis based on patients' age at diagnosis (early- and elderly-onset) adjusted by disease duration and gender.						
Variable (Referent group)	Proctitis		Left-sided Colitis		Pancolitis	
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value
Age at diagnosis (early-onset)	1.4 (0.8, 2.3)	0.685	1.7 (1.3, 2.3)	<0.001*	0.6 (0.4, 0.8)	<0.001*
Years of disease duration	0.9 (0.9, 1.01)	0.254	0.9 (0.9, 0.9)	<0.001*	0.9 (0.9, 0.9)	<0.001*
Gender (Female)	1.3 (0.8, 2.1)	0.267	0.9 (0.7, 1.3)	0.749	1.2 (0.9, 1.5)	0.142
Variable (Referent group)	Prednisolone		Immunomodulator		Anti-TNF	
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value
Age at diagnosis (early-onset)	0.5 (0.3, 0.7)	0.001*	0.5 (0.4, 0.7)	<0.001*	0.5 (0.3, 0.7)	<0.001*
Years of disease duration	1.0 (0.9, 1.0)	0.462	0.9 (0.9, 1.1)	0.937	1.0 (0.9, 1.0)	0.162
Gender (Female)	0.8 (0.6, 1.2)	0.457	0.9 (0.7, 1.1)	0.502	0.9 (0.7, 1.1)	0.502
Variable (Referent group)	Extraintestinal Manifestations		Aggressive Phenotype			
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value		
Age at diagnosis (early-onset)	0.5 (0.4, 0.6)	<0.001*	0.7 (0.6, 0.9)	0.005*		
Years of disease duration	1.01 (1.01, 1.02)	<0.001*	0.9 (0.9, 1.0)	0.141		
Gender (Female)	0.97 (0.97, 0.97)	<0.001*	1.1 (0.9, 1.1)	0.341		

5-ASA; 5-Aminosalicylic Acid; Anti-TNF; Anti-Tumor necrosis factor

Table S2. Relative risk of outcomes in patients with Crohn's disease based on patients' age at diagnosis (early- and elderly-onset) adjusted by disease duration and gender.

Variable (Referent group)	Ileal		Colonic		Ileocolonic		IBD-related Surgery	
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value
Age at diagnosis (early-onset)	1.9 (1.2, 3.3)	0.009*	1.7 (0.8, 3.7)	0.190	0.4 (0.2, 0.9)	0.018*	0.4 (0.3, 0.8)	0.003*
Years of disease duration	0.9 (0.9, 1.0)	0.419	0.9 (0.9, 1.0)	0.301	0.9 (0.9, 1.0)	0.126	1.03 (1.03, 1.03)	<0.001*
Gender (Female)	1.1 (0.6, 1.8)	0.749	0.7 (0.3, 1.4)	0.318	1.2 (0.7, 1.8)	0.530	0.7 (0.7, 0.7)	<0.001*
Variable (Referent group)	Fistulizing		Stricturing		Extraintestinal Manifestations		Aggressive phenotype	
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value
Age at diagnosis (early-onset)	1.4 (0.9, 2.1)	0.168	0.2 (0.1, 0.8)	0.018*	2.0 (1.4, 2.5)	<0.001*	0.8 (0.6, 1.01)	0.069
Years of disease duration	0.9 (0.9, 0.9)	<0.020*	1.0 (0.9, 1.0)	0.550	1.01 (1.01, 1.01)	<0.001*	1.0 (0.9, 1.0)	0.509
Gender (Female)	0.9 (0.6, 1.5)	0.881	0.6 (0.3, 1.1)	0.064	1.03 (1.03, 1.03)	<0.001*	1.1 (0.9, 1.3)	0.259
Variable (Referent group)	5-ASA		Prednisolone		Immunomodulator		Anti-TNF	
	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value	Relative Risk (95% CI)	P-Value
Age at diagnosis (early-onset)	0.7 (0.6, 0.9)	<0.001*	0.2 (0.1, 0.7)	0.005*	0.5 (0.3, 0.7)	0.001*	0.6 (0.4, 0.8)	0.005*
Years of disease duration	1.003 (1.003, 1.003)	<0.001*	1.01 (0.9, 1.03)	0.356	1.01 (1.0, 1.02)	0.043*	1.0 (0.9, 1.0)	0.267
Gender (Female)	1.02 (1.02, 1.02)	<0.001*	0.9 (0.5, 1.5)	0.706	1.2 (0.9, 1.5)	0.118	1.1 (0.8, 1.4)	0.417

5-ASA, 5-Aminosalicylic Acid; Anti-TNF, Anti-Tumor necrosis factor