

Supplementary Table 1. Diagnoses of infections with related ICD 10-codes included as viral infections

Diagnoses	ICD-10
Herpes virus	B00-B02
Cytomegalovirus	B25
Epstein–Barr virus	B27
Acute viral hepatitis unspecified	B17.9; B19
Other viral infections of skin, oral tissue and subcutaneous tissue	B03-B09; B26; B30-B34

Supplementary Table 2. Incidence rates of acute extra-intestinal SVI according to age, gender, IBD subtype and exposure to IBD drugs

	Person-years	Observed cases (n)	Incidence rates per 1000 person-years	95% CI
All patients	15,383	31	2.02	1.95-2.08
Age class ^a				
At least 18 and less than 35 years	6311	19	3.01	2.9-3.1
35 to 65 years	7834	10	1.28	1.20-1.35
More than 65 years	1238	2	1.62	1.41-1.82
Gender				
Male	6720	14	2.08	1.99-2.18
Female	8663	17	1.96	1.88-2.05
IBD subtype				
Crohn's disease	10,893	18	1.65	1.58-1.72
Ulcerative colitis or IBD, unclassified	4490	13	2.90	2.76-3.03
Exposure to IBD drugs ^b				
No treatment or 5-amino-salicylates	5,773	4	0.69	0.63-0.76
Systemic corticosteroids	934	1	1.07	0.87-1.27
Immunomodulators ^c	4,836	20	4.14	4.00-4.27
Anti-TNF agents	3,840	6	1.56	1.45-1.68

IBD, inflammatory bowel disease; SVI, serious viral infection; TNF, tumor necrosing factor;

^aAt entry into the observation period

^bMaximal treatment, according to MICISTA IBD drug scale (see Method section) during the calendar year of occurrence of SVI

^cThiopurines or methotrexate.

Supplementary Table 3. Characteristics of cases and controls in the case-control study nested in the MICISTA database for assessing risk factors for SVI.

	Patients with SVI (n=31)	Control group (n= 124)	<i>P</i> value
Male sex, n (%)	14 (45.2)	56 (45.2)	1
BMI (IQR)	21.3 (19.4-23.8)	21.6 (19.7-24.0)	.53
BMI < 18.5 (%)	5 (16.1)	22 (17.7)	1
BMI ≥ 30 (%)	0 (0)	3 (2.4)	1
Smokers, n (%)	7 (22.6)	26 (21.0)	.81
Age at onset of IBD, years (IQR)	20.6 (17.1-25.2)	20.9 (16.9-24.7)	.83
Crohn's disease, n (%)	18 (58.1)	72 (58.1)	1
Segments ever involved ^a n (%)			.50
L1	5 (27.8)	15 (20.8)	
L2	4 (22.2)	22 (24.4)	
L3	8 (44.4)	34 (47.2)	
L4	1 (5.6)	1 (1.11)	
perineal disease, n (%)	7 (22.3)	20 (16.1)	.42
UC or unclassified colitis n (%)	13(41.9)	52(41.9)	1
Segments ever involved ^a			.61
E1	1 (7.6)	3 (5.8)	
E2	6 (46.2)	19 (36.5)	
E3	6 (46.2)	30 (57.7)	

SVI, serious viral infection; BMI, body mass index; IQR, interquartile range; UC, ulcerative colitis

^a At clinical onset of SVI in cases, according to Montreal classification