

Supplemental Table 2: Variable Definitions

Variable	Definition
Setting	Population based cohort Clinic/Hospital based cohort
Setting	Single Center Multicenter
Design	Cross-sectional Longitudinal
Duration of Follow up	Time in years (-) Not applicable or not reported
Number of IBD Patients	n
Type of IBD	IBD: Composite of Crohn's disease, ulcerative colitis, and IBD unspecified Crohn's disease only Ulcerative colitis only IBD unspecified
SpA Criteria	mNY ASAS (axial, peripheral) ESSG Amor Other (free text) (-) Not applicable or not reported
MSK Phenotype	Physical examination by rheumatologist Physical examination by a non-rheumatologist provider ("other") Chart: Documentation / note review by any provider without physical exam Subject self-report: patient questionnaire without physical exam Physician Survey: Physician questionnaire without physical exam (-) Not applicable or not reported
Direct Rheumatologist Involvement	Yes: Explicitly mention of rheumatologist involvement in methods or body of paper OR author in rheumatology department No
SpA Phenotype	Ankylosing Spondylitis: Defined by clinical diagnosis, diagnosis from chart review, imaging, ICD coding or classification criteria Axial SpA: Defined by clinical diagnosis, diagnosis from chart review, imaging, ICD 10 coding or classification criteria. Does not include inflammatory back pain alone unless called axial SpA. Peripheral SpA: Defined by clinical diagnosis, diagnosis from chart review, imaging, ICD 10 coding or classification criteria. SpA NOS: Reported SpA but study did not distinguish between axial and peripheral arthritis, or reported as mixed axial/peripheral arthritis (-) Not applicable or not reported
Type of Axial Imaging and location	X-ray pelvis/SIJ MRI pelvis/SIJ CT pelvis/SIJ X-ray spine MRI spine X-Ray Hip MRI Hip Total body bone scintigraphy Gastrointestinal studies analyzed for axial phenotypes Axial imaging with location not specified noted in table

	(-) Not applicable or not reported
Subjects imaged	Symptomatic Asymptomatic (-) Not applicable or not reported
Distinction of arthritis sub-phenotype	Yes No
Pattern of joint disease described	Mono- or Oligo-arthritis: <5 joints Polyarthritis: ≥ 5 joints Dactylitis Enthesitis Arthralgia: Study reported Arthralgia, or joint pain without swelling
Other Patterns of Joint Disease Described	[free text]
Peripheral Imaging	Ultrasound X-Ray Total Body Bone Scintigraphy (-) Not applicable or not reported

IBD: inflammatory bowel disease, SpA: spondyloarthritis, mNY: Modified New York Criteria, ASAS: Assessment of Spondyloarthritis International Society, MSK: musculoskeletal, CT: CAT scan, MRI: magnetic resonance imaging, SIJ: sacroiliac joint