

Supplemental Material – Search Strategy

Database (host)	Search Strategy	Results
PubMed (National Library of Medicine)	<p>("Spondylitis, Ankylosing"[Mesh] OR "ankylosing spondylitis" OR "axial spondyloarthritis" OR "ankylosing spondylarthritis" OR "axial spondylitis" OR axSpA) AND ("Body Mass Index"[Mesh] OR "Overweight"[Mesh] OR "Obesity"[Mesh] OR "body mass index" OR BMI OR overweight OR obese OR obesity) AND ("Cohort Studies"[Mesh] OR "Observational Studies as Topic"[Mesh] OR "Observational Study" [Publication Type] OR "Randomized Controlled Trial" [Publication Type] OR "Randomized Controlled Trials as Topic"[Mesh] OR "Prospective Studies"[Mesh] OR "Retrospective Studies"[Mesh] OR "Longitudinal Studies"[Mesh] OR "Follow-Up Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cross-Sectional Studies"[Mesh] OR "Controlled Clinical Trial" [Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh] OR cohort OR cohorts OR observational OR random* OR prospective* OR retrospective* OR longitudinal* OR "follow up" OR "case control" OR "case comparison" OR "cross sectional" OR "controlled clinical trial" OR "controlled clinical trials") AND "English"[la]</p>	166
Embase (Elsevier)	<p>('ankylosing spondylitis'/exp OR 'ankylosing spondylitis' OR 'axial spondyloarthritis' OR 'ankylosing spondylarthritis' OR 'axial spondylitis' OR axspa) AND ('obesity'/exp OR 'body mass index' OR bmi OR 'overweight' OR 'obese' OR 'obesity') AND ('cohort analysis'/exp OR 'observational study'/exp OR 'randomized controlled trial'/exp OR 'randomized controlled trial (topic)'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR 'longitudinal study'/exp OR 'follow up'/exp OR 'case control study'/exp OR 'cross-sectional study'/exp OR 'controlled clinical trial'/exp OR 'controlled clinical trial (topic)'/exp OR cohort OR cohorts OR observational OR random* OR prospective* OR retrospective* OR longitudinal* OR 'follow up' OR 'case control' OR 'case comparison' OR 'cross sectional' OR 'controlled clinical trial' OR 'controlled clinical trials') AND [english]/lim</p>	569
Cochrane Central	<i>Title Abstract Keyword:</i> 'ankylosing spondylitis' OR 'axial spondyloarthritis' OR 'ankylosing	54

Register of Controlled Trials (Wiley)	spondylarthritis' OR 'axial spondylitis' OR axspa AND <i>Title Abstract Keyword:</i> 'body mass index' OR bmi OR 'overweight' OR 'obese' OR 'obesity'	
ClinicalTrials.gov (National Library of Medicine)	<i>Condition or disease:</i> ankylosing spondylitis OR axial spondyloarthritis OR ankylosing spondylarthritis OR axial spondylitis AND <i>Other terms:</i> body mass index OR bmi OR overweight OR obese OR obesity	6