

**Supplementary File 3. Database(s): Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations, Daily and Versions 1946 to April 27, 2023**

Search Strategy:

#	Searches	Results
1	exp Spinal Diseases/ or exp Spinal Cord Diseases/ or Spinal Injuries/ or Spinal Fractures/ or Spinal Stenosis/ or Osteoarthritis, Spine/ or Intervertebral Disc Displacement/ or Intervertebral Disc Degeneration/ or Intervertebral Disc/in or Zygapophyseal Joint/in or Radiculopathy/ or Polyradiculopathy/ or Spondylolysis/ or Synovial Cyst/ or Spinal Curvatures/ or exp Spinal Dysraphism/ or exp Neural Tube Defects/ or Cauda Equina Syndrome/ or Neck Pain/ or Neck Injuries/ or Neck Muscles/in or exp Cervical Vertebrae/in or Whiplash Injuries/ or exp Brachial Plexus Neuropathies/ or Brachial Plexus/in or Cervical Plexus/in or exp Torticollis/ or Thoracic Injuries/ or Thoracic Vertebrae/in or Low Back Pain/ or exp Back Pain/ or exp Back Injuries/ or Piriformis Muscle Syndrome/ or Sciatica/ or Lumbar Vertebrae/in or Lumbosacral region/in or exp Back Muscles/in or Coccyx/in or Lumbosacral Plexus/in or Sacroiliac Joint/in or Pelvic Girdle Pain/	404548
2	((spine* or spinal* or vertebr*) adj2 (condition* or diseas* or pathol* or pain* or injur* or fractur* or degener* or disabil* or disorder* or impair* or instabil* or symptom* or syndrome* or discomfort* or sore* or ach* or dysfunction* or dysraph* or tear* or imping* or myalg* or complaint* or ischem* or infect* or neoplas* or cancer* or tumour* or tumor* or malignan* or metast* or oncol* or mening* or metabol* or congenital* or abnormal* or osteochond* or osteophyt* or osteoscleros* or osteomyelit* or osteitis* or atroph* or compress* or idiopath* or neurogen* or arthrit* or osteoarthritis* or trauma* or developmental* or torticollis* or tuberculosis* or sprain* or strain*)).ti.	69065
3	(stenos?s* adj2 (spine* or spinal* or vertebr* or lumbar* or lumbo* or (low* adj2 back) or low-back* or lower-back* or intervertebr* or sacrum* or sacral* or sacroiliac* or sacroiliac* or neck* or cervic* or thorac*)).ti.	4905
4	((disc or discs or disk*) adj2 (pain* or extru* or degenerat* or displac* or herniat* or prolaps* or sequestered or slipped or protru* or avuls* or bulg*)).ti.	11835
5	((discogen* or intervertebr* or vertebr*) adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain* or trauma* or extru* or degenerat* or displac* or herniat* or prolaps* or sequestered or slipped or protru* or avuls* or bulg)).ti.	5754
6	(radiculopath* or radiating* or radicular* or polyradicul* or poly-radicul*).ti.	6762

7	((neuropath* or pathol*) adj2 (spine* or spinal* or vertebr* or lumbar* or (low* adj2 back) or low-back* or lower-back* or thorac* or intervertebr* or lumbo* or sacrum* or sacral* or sacro-iliac* or sacroiliac* or neck* or cervic*)).ti.	1698
8	((facet* or zygapophys*) adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain* or trauma* or extru* or degenerat* or displac* or herniat* or prolaps* or sequestered or slipped or protru* or avuls* or bulg* or arthros* or arthrit* or hypertroph*)).ti.	571
9	(segmental* adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain* or trauma* or extru* or degenerat* or displac* or herniat* or prolaps* or sequestered or slipped or protru* or avuls* or bulg* or arthros* or arthrit* or hypertroph*)).ti.	311
10	spondyl*.ti.	29151
11	((spine* or spinal*) adj2 curvatur*) or kyphos* or lordos* or scolios* or hyperkyphos*).ti.	19215
12	((subacute* or combined*) adj2 degener*) or (somatic* adj2 dysfunction*) or (skeletal* adj2 hyperostos*)).ti.	1251
13	(discit* or (synovial* adj2 cyst*) or platybas* or (neurone* adj2 disease*) or (Gehrig* adj2 disease*) or (Scheuermann* adj2 disease*) or (cauda* adj2 (equina adj1 syndrom*)) or (ossif* adj2 (longitud* adj2 ligament*)) or (posterior* adj2 (cervical* adj2 sympath*)) or (spinocerebellar* adj2 (degen* or atax*)) or myelit* or myelopath* or (lateral* adj2 scleros*) or polio* or postpoliomyelit* or pneumorrhach* or (epidural* adj2 neoplasm*) or (stiff-person* adj2 syndrome*) or syringomyel* or (tabes* adj2 dorsalis*) or (neural tube adj2 defect*) or (spin* adj2 bifida*) or arnold-chiari* or anencephal* or encephalocele* or meningocele* or meningomyelocele* or (catrell* adj1 pentalog*)).ti.	68007
14	((subluxation* or osteitis*) adj2 (spine* or spinal* or vertebr* or lumbar* or lumbo* or (low* adj2 back) or low-back* or lower-back* or neck* or sacrum* or sacral* or sacroiliac* or sacro-iliac* or cervic* or thorac*)).ti.	173
15	((neck* or cervic*) adj2 (pain* or injur* or fractur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain*)).ti.	15029
16	((cervicogen* or cervico-gen*) adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain* or headach*)).ti.	428

17	(whiplash* or torticollis* or cervicalg* or cervicodyn* or neckach* or ((neck* or cervical*) adj2 tender*)).ti.	4280
18	((brachial* adj2 (neuropath* or neurit*)) or brachioplexopath*).ti.	279
19	((c-spine* or "c spine") adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain*)).ti.	17
20	(brachial* adj2 (plexus* adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain*))).ti.	1638
21	((thorac* or t-spine* or mid-back* or midback* or costotransvers*) adj2 (pain* or injur* or fractur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or sprain* or strain*)).ti.	6538
22	(low* adj2 (back or trunk*) adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or fractur* or discomfort* or dysfunction* or sore* or herniat* or trauma* or sprain* or strain* or ach*)).ti.	17790
23	((lumbar* or lumbo*) adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or discomfort* or dysfunction* or sore* or herniat* or trauma* or sprain* or strain* or ach*)).ti.	9369
24	(back adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or fractur* or discomfort* or dysfunction* or sore* or herniat* or trauma* or sprain* or strain* or ach*)).ti.	23677
25	(backach* or back-ach* or dorsalg* or lumbago* or lumboischialg* or coccydyn* or coccygodyn* or coccalg* or coccygalg* or (piriformis* adj2 syndrome*)).ti.	2308
26	((coccyx* or coccygeal* or tailbone*) adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or discomfort* or dysfunction* or sore* or herniat* or sprain* or strain*)).ti.	35
27	((sacral* or sacro* or sacrum*) adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or discomfort* or dysfunction* or sore* or herniat* or sprain* or strain* or trauma* or ach*)).ti.	907
28	(SI adj2 joint* adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or discomfort* or dysfunction* or sore* or herniat* or sprain* or strain* or ach*)).ti.	2
29	(sciatica* or (sciat* adj2 (pain* or (nerve adj2 root*) or osteoarth* or radicul* or stenosis* or injur* or discomfort* or dysfunction* or sore* or herniat* or sprain* or strain* or trauma* or ach*))).ti.	3625

30	(pelvic* adj girdle* adj2 (pain* or injur* or ach* or myalg* or symptom* or syndrome* or discomfort* or sore* or impairment* or disorder* or dysfunction* or tear* or imping* or sprain* or strain*)).ti.	236
31	or/2-30	260128
32	exp Infections/ or exp Neoplasms/ or exp Musculoskeletal Diseases/ or exp Digestive System Diseases/ or exp Stomatognathic Diseases/ or exp Respiratory Tract Diseases/ or exp Otorhinolaryngologic Diseases/ or exp Nervous System Diseases/ or exp Eye Diseases/ or exp Urogenital Diseases/ or exp Cardiovascular Diseases/ or exp Lymphatic Diseases/ or exp Hematologic Diseases/ or exp Connective Tissue Diseases/ or exp Skin Diseases/ or exp Nutrition Diseases/ or exp Metabolic Diseases/ or exp Endocrine System Diseases/ or exp Immune System Diseases/ or exp Occupational Diseases/	14965495
33	exp "Congenital, Hereditary, and Neonatal Diseases and Abnormalities"/	1360071
34	exp "Wounds and Injuries"/	1003222
35	exp Mental Disorders/ or Mental Health/ or Anxiety/ or Depression/ or Stress, Psychological/ or exp Self-Injurious Behavior/ or exp Substance-Related Disorders/	1708713
36	or/32-35	16297990
37	(diabet* or cardiovascular* or (heart* adj2 diseas*) or hypertens* or (myocard* adj2 infarc*) or stroke* or (respirat* adj2 infect*) or asthma* or (chronic* adj2 pulmonary*) or COPD or diarrh* or kidney* or vitamin*).ti.	1533509
38	(tuberculos* or mening* or osteoporos* or osteopen* or osteochond* or osteoarthritis* arthrit* or cancer* or neoplas* or tumour* or tumor* or metast* or malignan* or oncol* or headach*).ti.	2334790
39	((((spine* or spinal* or vertebr*) adj2 (tuberculos* or mening* or osteoporos* or osteopen* or osteochond* or osteoarthritis* or arthrit* or cancer* or neoplas* or tumour* or tumor* or metast* or malignan* or oncol*)) or (cervicog* adj2 headache*)).ti.	9614
40	38 not 39	2325307
41	(mental* or psycholog* or psychiat* or anxiety* or depression* or depressed* or neurotic* or neurosis* or neuroses* or neurocognit* or neurodevelop* or panic or obsessive-compuls* or schizophren* or phobia or phobic* or dissociativ* or bipolar* or ((mood* or personality* or sexual* or cognit*) adj2 (disorder* or dysfunct*)) or (cognit* adj2 declin*) or amnesia* or dement* or alheim* or dyslex* or aphasia* or paranoi* or (sleep adj wake) or (sleep* adj2 disorder*) or ((substance* or alcohol* or drug* or narcotic* or opioid*) adj2 (abuse* or use*)) or self-injur* or self-harm* or ptsd or ((post-traum** or trauma*) adj2 stress*) or (stress* adj2 psycholog*)).ti.	943959

42	37 or 40 or 41	4729818
43	exp Cohort Studies/	2473198
44	Cross-Sectional Studies/	464113
45	Case-Control Studies/	327386
46	Epidemiologic Studies/	9307
47	"Surveys and Questionnaires"/	558535
48	((cohort* adj2 (study or studies or analy*)) or cross-section* or (cross* adj1 section*) or (observational* adj2 (study or studies or analy*)) or (ecologic* adj2 (study or studies or analy*)) or case-control* or follow-up* or prospective* or retrospectiv* or longitudinal* or survey* or questionnair*).ti,ab,kw.	4417957
49	observational study.pt.	140959
50	or/43-49	5484477
51	(associ* or correlat* or co-relat* or co-occur* or relation* or related*).ti.	2068396
52	1 and 36 and 50 and 51	11311
53	1 and 42 and 50	7508
54	31 and 36 and 50 and 51	7644
55	31 and 42 and 50	4257
56	52 or 53 or 54 or 55	19154
57	exp Animals/	26322020
58	exp Humans/	21206368
59	57 not 58	5115652
60	(surgery* or surgeries* or surgical* or post-surg* or fusion* or fixation* or screw* or discectom* or perioperative* or peri-operative* or postoperative* or post-operative* or laminectom* or arthroplast* or vertebroplast* or resection* or reconstruction* or decompression* or repair* or augmentation* or instrumentation* or transection* or thoracotomy or microdiscectom*).ti.	1325578
61	su.fs.	2239229

62	(comment or clinical conference or congress or consensus development conference or editorial or letter or review or systematic review or guideline or practice guideline or case reports or study guide).pt.	7438229
63	56 not (59 or 60 or 61 or 62)	12116
64	limit 63 to English language	11101