

Appendix A: Detailed Search StrategyOvid

Database(s): EBM Reviews - Cochrane Central Register of Controlled Trials July 2019, EBM Reviews - Cochrane Database of Systematic Reviews 2005 to August 15, 2019, Embase 1974 to 2019 August 19, Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to August 19, 2019

Search Strategy:

#	Searches	Results
1	exp Spinal Cord Injuries/	120073
2	exp Paraplegia/	34241
3	exp Quadriplegia/	24269
4	("brown presentation" or "brown sequard disease" or "Brown Sequard syndrome" or "Brown-Sequards syndrome" or "central cord syndrome" or "central spinal cord syndrome" or "medullary transverse lesion*" or Paraplegia* or "Post Traumatic Myelopath*" or Quadriplegia* or "Spinal Cord Contusion*" or "Spinal Cord Injur*" or "Spinal Cord Laceration*" or "Spinal Cord Transection*" or "spinal cord transection*" or "spinal cord transverse lesion*" or "Spinal Cord Trauma*" or "transverse cord lesion*" or "transverse lesion*" or "transverse spinal cord lesion*" or "Traumatic Myelopath*").ti,ab,hw,kw.	175374
5	1 or 2 or 3 or 4	196091
6	exp chronic pain/	71621
7	((chronic* or persist* or recur* or reocur* or "re-ocur*") adj5 pain*) or "back ache*" or "back pain*" or backache* or backpain* or "diskogenic pain*" or dorsalgia* or lumbago or "musculoskeletal pain*" or "musculo-skeletal pain*" or "neuropathic pain*" or "nociceptive pain*" or "vertebrogenic pain*" or "Visceral Pain*" or "widespread pain*").ti,ab,hw,kw.	459067
8	6 or 7	459067
9	5 and 8	11165
10	epidemiology.fs.	2568733
11	exp prevalence/	971841
12	(epidemiol* or frequency or frequent* or incidence* or occurrence* or prevalence* or prevalent or rate or rates).ti,ab,hw,kw.	13053650
13	10 or 11 or 12	14022601
14	9 and 13	2860
15	exp meta analysis/	273593
16	exp Meta-Analysis as Topic/	59185
17	exp "systematic review"/	326644
18	exp controlled study/	7033396
19	exp Randomized Controlled Trial/	1054076
20	exp triple blind procedure/	229

21 exp Double-Blind Method/	449590
22 exp Single-Blind Method/	82970
23 exp latin square design/	363
24 exp Placebos/	398188
25 exp Placebo Effect/	11605
26 exp Cross-Sectional Studies/	618379
27 exp Cross-Over Studies/	141642
28 exp Cohort Studies/	2528441
29 exp longitudinal study/	389871
30 exp retrospective study/	1584263
31 exp prospective study/	1142249
32 exp clinical trial/	2255158
33 clinical study/	157797
34 exp correlational study/	38403
35 exp confidence interval/	166318
36 exp regression analysis/	853991
37 exp proportional hazards model/	165610
38 exp multivariate analysis/	527342
39 ((meta adj analys*) or metaanalys* or (systematic* adj3 review*) or (control* adj3 study) or (control* adj3 trial) or (randomized adj3 study) or (randomized adj3 trial) or (randomised adj3 study) or (randomised adj3 trial) or "pragmatic clinical trial" or (random* adj1 allocat*) or (doubl* adj blind*) or (doubl* adj mask*) or (singl* adj blind*) or (singl* adj mask*) or (tripl* adj blind*) or (tripl* adj mask*) or (trebl* adj blind*) or (trebl* adj mask*) or "latin square" or placebo* or nocebo* or multivariate or "cross-sectional study" or "cross-sectional analysis" or "cross-sectional survey" or "cross-sectional design" or "prevalence study" or "prevalence analysis" or "prevalence survey" or "disease frequency study" or "disease frequency analysis" or "disease frequency survey" or crossover or "cross-over" or cohort* or "longitudinal study" or "longitudinal survey" or "longitudinal analysis" or "longitudinal evaluation" or longitudinal* or ((retrospective or "ex post facto") adj3 (study or survey or analysis or design)) or retrospectiv* or "prospective study" or "prospective survey" or "prospective analysis" or prospectiv* or "incidence study" or "incidence survey" or "incidence analysis" or (("follow-up" or followup) adj (stud* or survey or analysis)) or "clinical study" or "clinical trial" or (("phase 0" or "phase 1" or "phase I" or "phase 2" or "phase II" or "phase 3" or "phase III" or "phase 4" or "phase IV") adj5 (trial or study)) or "multicenter study" or "multi-center study" or "odds ratio" or "confidence interval" or "regression analysis" or "least square" or "least squares" or (hazard* adj (model* or analys* or regression or ratio or ratios)) or "Cox model" or "Cox multivariate analyses" or "Cox multivariate analysis" or "Cox regression" or "Cox survival analyses" or "Cox survival analysis" or "Cox survival model" or "prevalence study" or "prevalence survey" or "prevalence analysis").mp.pt.	17576398

40 or/15-39	17792379
41 14 and 40	1517
42 limit 41 to ("all adult (19 plus years)" or "young adult (19 to 24 years)" or "adult (19 to 44 years)" or "young adult and adult (19-24 and 19-44)" or "middle age (45 to 64 years)" or "middle aged (45 plus years)" or "all aged (65 and over)" or "aged (80 and over)") [Limit not valid in CCTR,CDSR,Embase; records were retained]	1428
43 limit 42 to (adult <18 to 64 years> or aged <65+ years>) [Limit not valid in CCTR,CDSR,Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher; records were retained]	1005
44 limit 41 to ("all infant (birth to 23 months)" or "all child (0 to 18 years)" or "newborn infant (birth to 1 month)" or "infant (1 to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)") [Limit not valid in CCTR,CDSR,Embase; records were retained]	1226
45 limit 44 to (embryo or infant or child or preschool child <1 to 6 years> or school child <7 to 12 years> or adolescent <13 to 17 years>) [Limit not valid in CCTR,CDSR,Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher; records were retained]	250
46 45 not 43	37
47 41 not 46	1480
48 limit 47 to (conference abstract or editorial or erratum or note or addresses or autobiography or bibliography or biography or blogs or comment or dictionary or directory or interactive tutorial or interview or lectures or legal cases or legislation or news or newspaper article or overall or patient education handout or periodical index or portraits or published erratum or video-audio media or webcasts) [Limit not valid in CCTR,CDSR,Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher; records were retained]	166
49 from 48 keep 1-2	2
50 (47 not 48) or 49	1316
51 limit 50 to yr="1980 -Current"	1305
52 remove duplicates from 51	999

Scopus

- 1 TITLE-ABS-KEY("brown presentation" or "brown sequard disease" or "Brown Sequard syndrome" or "Brown-Sequards syndrome" or "central cord syndrome" or "central spinal cord syndrome" or "medullary transverse lesion*" or Paraplegia* or "Post Traumatic Myelopath*" or Quadriplegia* or "Spinal Cord Contusion*" or "Spinal Cord Injur*" or "Spinal Cord Laceration*" or "Spinal Cord Transection*" or "spinal cord transection*" or "spinal cord transverse lesion*" or "Spinal Cord Trauma*" or "transverse cord lesion*" or "transverse lesion*" or "transverse spinal cord lesion*" or "Traumatic Myelopath*")
- 2 TITLE-ABS-KEY(((chronic* or persist* or recur* or reocur* or "re-ocur*") W/5 pain*) OR "back ache*" OR "back pain*" OR backache* OR backpain* OR "diskogenic pain*" OR dorsalgia* OR lumbago OR "musculoskeletal pain*" OR "musculo-skeletal pain*" OR "neuropathic pain*" OR "nociceptive pain*" OR "vertebrogenic pain*" OR "Visceral Pain*" OR "widespread pain*")
- 3 TITLE-ABS-KEY(epidemiol* OR frequency OR frequent* OR incidence* OR occurrence* OR prevalence* OR prevalent OR rate OR rates)
- 4 TITLE-ABS-KEY((meta W/1 analys*) OR metaanalys* OR (systematic* W/3 review*) OR (control* W/3 study) OR (control* W/3 trial) OR (randomized W/3 study) OR (randomized W/3 trial) OR (randomised W/3 study) OR (randomised W/3 trial) OR "pragmatic clinical trial" OR (random* W/1 allocat*) OR (doubl* W/1 blind*) OR (doubl* W/1 mask*) OR (singl* W/1 blind*) OR (singl* W/1 mask*) OR (tripl* W/1 blind*) OR (tripl* W/1 mask*) OR (trebl* W/1 blind*) OR (trebl* W/1 mask*) OR "latin square" OR placebo* OR nocebo* OR multivariate OR "cross-sectional study" OR "cross-sectional analysis" OR "cross-sectional survey" OR "cross-sectional design" OR "prevalence study" OR "prevalence analysis" OR "prevalence survey" OR "disease frequency study" OR "disease frequency analysis" OR "disease frequency survey" OR crossover OR "cross-over" OR cohort* OR "longitudinal study" OR "longitudinal survey" OR "longitudinal analysis" OR "longitudinal evaluation" OR longitudinal* OR ((retrospective OR "ex post facto") W/3 (study OR survey OR analysis OR design)) OR retrospectiv* OR "prospective study" OR "prospective survey" OR "prospective analysis" OR prospectiv* OR "incidence study" OR "incidence survey" OR "incidence analysis" OR ("follow-up" or followup) W/1 (stud* or survey or analysis)) OR "clinical study" OR "clinical trial" OR (("phase 0" or "phase 1" or "phase I" or "phase 2" or "phase II" or "phase 3" or "phase III" or "phase 4" or "phase IV") W/5 (trial or study)) OR "multicenter study" OR "multi-center study" OR "odds ratio" OR "confidence interval" OR "regression analysis" OR "least square" OR "least squares" OR (hazard* W/1 (model* OR analys* OR regression or ratio or ratios)) OR "Cox model" OR "Cox multivariate analyses" OR "Cox multivariate analysis" OR "Cox regression" OR "Cox survival analyses" OR "Cox survival analysis" OR "Cox survival model" OR "prevalence study" OR "prevalence survey" OR "prevalence analysis")
- 5 PUBYEAR AFT 1979
- 6 1 and 2 and 3 and 4 and 5
- 7 TITLE-ABS-KEY(newborn* or neonat* or infant* or toddler* or child* or adolescent* or paediatric* or pediatric* or girl or girls or boy or boys or teen or teens or teenager* or preschooler* or "pre-schooler*" or preteen or preteens or "pre-teen" or "pre-teens" or youth or youths) AND NOT TITLE-ABS-KEY(adult or adults or "middle age" or "middle aged" OR elderly OR geriatric* OR "old people" OR "old person*" OR "older people" OR "older person*" OR "very old")
- 8 6 and not 7
- 9 DOCTYPE(ab) OR DOCTYPE(ed) OR DOCTYPE(bk) OR DOCTYPE(er) OR DOCTYPE(no) OR DOCTYPE(sh)
- 10 8 and not 9

- 11 INDEX(embase) OR INDEX(medline) OR PMID(0* OR 1* OR 2* OR 3* OR 4* OR 5* OR 6* OR 7* OR 8* OR 9*)
- 12 10 and not 11