

APPENDIX A: Preliminary Search strategy for MEDLINE

	Search terms
S1	<p>Conditions area terms</p> <p>AB (spine N2 deformit*) OR (spinal N2 deformit*) OR TI (spine N2 deformit*) OR (spinal N2 deformit*) OR AB kyphosis OR TI kyphosis OR AB scoliosis OR TI scoliosis OR AB lordosis OR TI lordosis OR AB torticollis OR TI torticollis OR ankylosing N2 hyperostosis OR AB "kissing spine*" OR TI "kissing spine*" OR AB traumatic spondylopath* OR TI traumatic spondylopath* OR AB (vertebra* N2 (disorder* OR fracture* OR injur*)) OR TI (vertebra* N2 (disorder* OR fracture* OR injur*)) OR AB disc* N1 degeneration OR TI disc* N1 degeneration OR AB spondylolysis OR TI spondylolysis OR AB "spinal stenosis" OR TI "spinal stenosis" OR AB spondylolisthesis OR TI spondylolisthesis OR AB (spine OR spinal OR vertebra*) N1 "endplate defect*" OR TI (spine OR spinal OR vertebra*) N1 "endplate defect*" OR AB spondylarthritis OR TI spondylarthritis OR AB "spinal enthesitis" OR TI "spinal enthesitis" OR AB sacroiliitis OR TI sacroiliitis OR AB ankylos* N2 (spine OR spinal) OR TI ankylos* N2 (spine OR spinal) OR AB "ankylosing spondylitis" OR TI "ankylosing spondylitis" OR AB spinal arthrodesis OR TI spinal arthrodesis OR AB (spin* N1 pain) OR (cervical N1 pain) OR (neck N1 pain) OR (thora* N1 pain) OR (back N1 pain) OR TI (spin* N1 pain) OR (cervical N1 pain) OR (neck N1 pain) OR (thora* N1 pain) OR (back N1 pain) OR AB sciatica OR TI sciatica OR AB (strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac) OR TI (strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac) OR AB whiplash OR TI whiplash OR (MH "Neck Pain+") OR (MH "Back Pain+") OR (MH "Low Back Pain+") OR (MH "Spine+") OR (MH "Musculoskeletal Diseases") OR (MH "Musculoskeletal System") OR (MH "Musculoskeletal Pain+")</p>

S2	Clinical Minimal Datasets terms AB ("data set" OR "data sets" OR "dataset" OR "datasets") OR TI ("data set" OR "data sets" OR "dataset" OR "datasets")) AND (TI minim* OR AB minim*) OR TI "reporting method*" OR TI "consensus" OR TI "research standards" OR TI "health questionnaire*" OR TI "outcome assessment*" OR TI "common outcome*" OR TI "standardization" OR TI "standardisation" OR TI core N4 set OR TI standardize* N5 outcome* OR TI outcome N3 set* OR TI "outcome measure*" OR TI core N4 data* OR TI "core outcome" OR TI core N3 measure* OR (MH "Consensus") OR (MH "Datasets as Topic/ST") OR (MH "Patient Generated Health Data") OR (MH "Surveys and Questionnaires/ST") OR (MH "Registries") OR (MH "Database")
S3	(Final + limitation to human studies + exclusion of letter and editorial + limitation to English, German, French, Italian, and Spanish language) S1 AND S2

APPENDIX B: Preliminary Search strategy for CINAHL

	Search terms
S1	<p>Conditions area terms</p> <p>AB (spine N2 deformit*) OR (spinal N2 deformit*) OR TI (spine N2 deformit*) OR (spinal N2 deformit*) OR AB kyphosis OR TI kyphosis OR AB scoliosis OR TI scoliosis OR AB lordosis OR TI lordosis OR AB torticollis OR TI torticollis OR ankylosing N2 hyperostosis OR AB "kissing spine*" OR TI "kissing spine*" OR AB traumatic spondylopath* OR TI traumatic spondylopath* OR AB (vertebra* N2 (disorder* OR fracture* OR injur*)) OR TI (vertebra* N2 (disorder* OR fracture* OR injur*)) OR AB disc* N1 degeneration OR TI disc* N1 degeneration OR AB spondylolysis OR TI spondylolysis OR AB "spinal stenosis" OR TI "spinal stenosis" OR AB spondylolisthesis OR TI spondylolisthesis OR AB (spine OR spinal OR vertebra*) N1 "endplate defect*" OR TI (spine OR spinal OR vertebra*) N1 OR endplate defect*" OR AB spondylarthritis OR TI spondylarthritis OR AB "spinal enthesitis" OR TI "spinal enthesitis" OR AB sacroiliitis OR TI sacroiliitis OR AB ankylos* N2 (spine OR spinal) OR TI ankylos* N2 (spine OR spinal) OR AB "ankylosing spondylitis" OR TI "ankylosing spondylitis" OR AB spinal arthrodesis OR TI spinal arthrodesis OR AB (spin* N1 pain) OR (cervical N1 pain) OR (neck N1 pain) OR (thora* N1 pain) OR (back N1 pain) OR TI (spin* N1 pain) OR (cervical N1 pain) OR (neck N1 pain) OR (thora* N1 pain) OR (back N1 pain) OR AB sciatica OR TI sciatica OR AB (strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac) OR TI (strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac) OR AB whiplash OR TI whiplash AND (MH "Neck Pain") OR (MH "Back Pain+") OR (MH "Low Back Pain") OR (MH "Spine+") OR (MH "Musculoskeletal Diseases") OR (MH "Musculoskeletal System")</p>

S2	Clinical Minimal Datasets terms AB ("data set" OR "data sets" OR "dataset" OR "datasets") OR TI ("data set" OR "data sets" OR "dataset" OR "datasets")) AND (TI minim* OR AB minim*) OR TI "reporting method*" OR TI "consensus" OR TI "research standards" OR TI "health questionnaire*" OR TI "outcome assessment*" OR TI "common outcome*" OR TI "standardization" OR TI "standardisation" OR TI core N4 set OR TI standardize* N5 outcome* OR TI outcome N3 set* OR TI "outcome measure*" OR TI core N4 data* OR TI "core outcome" OR TI core N3 measure* (MH "Consensus") OR (MH "Minimum Data Set+") OR (MH "Registries, Trauma") OR (MH "Resource Databases, Health")
S3	(Final + limitation to human studies + exclusion of letter and editorial + limitation to English, German, French, Italian, and Spanish language) S1 AND S2

APPENDIX C: Preliminary Search strategy for Cochrane Library

	Search terms
S1	<p>Conditions area terms</p> <p>((spine near/2 deformit*) OR (spinal near/2 deformit*)):ab OR ((spine near/2 deformit*) OR (spinal near/2 deformit*)):ti OR (kyphosis):ab OR (kyphosis):ti OR (scoliosis):ab OR (scoliosis):ti OR (lordosis):ab OR (lordosis):ti OR (torticollis):ab OR (torticollis):ti OR (ankylosing near/2 hyperostosis):ab OR (ankylosing near/2 hyperostosis):ti OR ("kissing spine*"):ab OR ("kissing spine*"):ti OR (traumatic spondylopath*):ab OR (traumatic spondylopath*):ti OR ((vertebra* near/2 (disorder* OR fracture* OR injur*)):ab OR ((vertebra* near/2 (disorder* OR fracture* OR injur*)):ti OR (disc* near/1 degeneration):ab OR (disc* near/1 degeneration):ti OR (spondylolysis):ab OR (spondylolysis):ti OR ("spinal stenosis"):ab OR ("spinal stenosis"):ti OR (spondylolisthesis):ab OR (spondylolisthesis):ti OR ((spine OR spinal OR vertebra*) near/1 "endplate defect*"):ab OR ((spine OR spinal OR vertebra*) near/1 "endplate defect*"):ti OR (spondylarthritis):ab OR (spondylarthritis):ti OR ("spinal enthesitis"):ab OR ("spinal enthesitis"):ti OR (sacroiliitis):ab OR (sacroiliitis):ti OR (ankylos* near/2 (spine OR spinal)):ab OR (ankylos* near/2 (spine OR spinal)):ti OR ("ankylosing spondylitis"):ab OR ("ankylosing spondylitis"):ti OR (spinal arthrodesis):ab OR (spinal arthrodesis):ti OR ((spin* near/1 pain) OR (cervical near/1 pain) OR (neck near/1 pain) OR (thora* near/1 pain) OR (back near/1 pain)):ab OR ((spin* near/1 pain) OR (cervical near/1 pain) OR (neck near/1 pain) OR (thora* near/1 pain) OR (back near/1 pain)):ti OR (sciatica):ab OR (sciatica):ti OR ((strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac)):ab OR ((strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac)):ti OR (whiplash):ab OR (whiplash):ti OR MeSH descriptor: [Neck Pain] explode all trees OR MeSH descriptor: [Back Pain] explode all trees OR MeSH descriptor: [Low Back Pain] explode all trees OR MeSH</p>

	<p>descriptor: [Spine] explode all trees OR MeSH descriptor: [Musculoskeletal Diseases] this term only OR MeSH descriptor: [Musculoskeletal System] this term only OR MeSH descriptor: [Musculoskeletal Pain] explode all trees</p>
S2	<p>Clinical Minimal Datasets terms</p> <p>((("data set" OR "data sets" OR "dataset" OR "datasets") AND (minim*)):ab OR (("data set" OR "data sets" OR "dataset" OR "datasets") AND (minim*)):ti OR (consensus):ti OR ("reporting method*"):ti OR ("research standards"):ti OR ("health questionnaire*"):ti OR ("outcome assessment*"):ti OR ("common outcome*"):ti OR ("standardization"):ti OR ("standardisation"):ti OR (core near/4 set):ti OR (standardize* near/5 outcome*):ti OR (outcome near/3 set*):ti OR ("outcome measure*"):ti OR (core near/4 data*):ti OR ("core outcome"):ti OR (core near/3 measure*):ti MeSH descriptor: [Consensus] explode all trees OR MeSH descriptor: [Datasets as Topic] explode all trees OR MeSH descriptor: [Patient Generated Health Data] explode all trees OR MeSH descriptor: [Surveys and Questionnaires] this term only OR MeSH descriptor: [Registries] explode all trees OR MeSH descriptor: [Database] explode all trees</p>
S3	<p>(Final + exclusion of editorial)</p> <p>S1 AND S2</p>

APPENDIX D: Preliminary Search strategy for Index to Chiropractic Literature

	Search terms
S1	<p>Conditions area terms</p> <p>Article Title:spin* deformit* OR Abstract/Notes:spin* deformit* OR Article Title:kyphosis OR Abstract/Notes:kyphosis OR Article Title:scoliosis OR Abstract/Notes:scoliosis OR Article Title:lordosis OR Abstract/Notes:lordosis OR Article Title:torticollis OR Abstract/Notes:torticollis OR Article Title:ankylosing hyperostosis OR Abstract/Notes:ankylosing hyperostosis OR Article Title:kissing spine OR Abstract/Notes:kissing spine OR Article Title:traumatic spondylopath* OR Abstract/Notes:traumatic spondylopath* OR Article Title:vertebra* disorder* OR Abstract/Notes:vertebra* disorder* OR Article Title:vertebra* fracture* OR Abstract/Notes:vertebra* fracture* OR Article Title:vertebra* injur* OR Abstract/Notes:vertebra* injur* OR Article Title:vertebra* disorder* OR Abstract/Notes:vertebra* disorder* OR Article Title:disc* degeneration OR Abstract/Notes:disc* degeneration OR Article Title:spondylolysis OR Abstract/Notes:spondylolysis OR Article Title:“spinal stenosis” OR Abstract/Notes:“spinal stenosis” OR Article Title:spondylolisthesis OR Abstract/Notes:spondylolisthesis OR Article Title:spin* endplate defect* OR Abstract/Notes:spin* endplate defect* OR Article Title:vertebr* endplate defect* OR Abstract/Notes:vertebr* endplate defect* OR Article Title:spondyloarthritis OR Abstract/Notes:spondyloarthritis OR Article Title:“spinal enthesitis” OR Abstract/Notes:“spinal enthesitis” OR Article Title:sacroiliitis OR Abstract/Notes:sacroiliitis OR Article Title:ankylos* spin* OR Abstract/Notes:ankylos* spin* OR Article Title:“ankylosing spondylitis” OR Abstract/Notes:“ankylosing spondylitis” OR Article Title:“spinal arthrodesis” OR Abstract/Notes:“spinal arthrodesis” OR Article Title:spin* pain OR Abstract/Notes:spin* pain OR Article Title:cervical pain OR Abstract/Notes:cervical</p>

	<p> pain OR Article Title:neck pain OR Abstract/Notes:neck pain OR Article Title:thora* pain OR Abstract/Notes:thora* pain OR Article Title:back pain OR Abstract/Notes:back pain OR Article Title:sciatica OR Abstract/Notes:sciatica Article Title:strain* neck OR Abstract/Notes:strain* neck OR Article Title:strain* thora* OR Abstract/Notes:strain* thora* OR Article Title:strain* spin* OR Abstract/Notes:strain* spin* OR Article Title:strain* low back OR Abstract/Notes:strain* low back OR Article Title:strain* sacroiliac OR Abstract/Notes:strain* sacroiliac OR Article Title:sprain* thora* OR Abstract/Notes:sprain* thora* OR Article Title:sprain* spin* OR Abstract/Notes:sprain* spin* OR Article Title:sprain* low back OR Abstract/Notes:sprain* low back OR Article Title:sprain* sacroiliac OR Abstract/Notes:sprain* sacroiliac OR Article Title:whiplash OR Abstract/Notes:whiplash OR Subject:"Neck Pain" OR Subject:"Back Pain" OR Subject:"Low Back Pain" OR Subject:"Spine" OR Subject:"Musculoskeletal Diseases" OR Subject:"Musculoskeletal System" OR Subject:"Musculoskeletal Pain" </p>
S2	<p> Clinical Minimal Datasets terms Article Title:data set* AND minim* OR Abstract/Notes: data set* AND minim* OR Article Title:dataset* AND minim* OR Abstract/Notes: dataset* AND minim* OR Article Title:reporting method* OR Article Title:consensus OR Article Title:research standard* OR Article Title:health questionnaire* OR Article Title:outcome assessment* OR Article Title:common outcome* OR Article Title:standardization OR Article Title:standardisation OR Article Title:core set* OR Article Title:standardize* outcome* OR Article Title:outcome set* OR Article Title:outcome measure* OR Article Title:core data* OR Article Title:core outcome* OR Article Title:core measure* OR Subject:"Consensus" OR Subject:"Surveys and Questionnaires" OR Subject:"Registries" OR Subject:"Databases as Topic" </p>

S3	(Final)
	S1 AND S2

APPENDIX E: Preliminary Search strategy for MANTIS

	Search terms
S1	<p>Conditions area terms</p> <p>((spine adj2 deformit*) or (spinal adj2 deformit*)).ti. or ((spine adj2 deformit*) or (spinal adj2 deformit*)).ab. or kyphosis.ti. or kyphosis.ab. or scoliosis.ti. or scoliosis.ab. or lordosis.ti. or lordosis.ab. or torticollis.ti. or torticollis.ab. or (ankylosing adj2 hyperostosis).ti. or (ankylosing adj2 hyperostosis).ab. or "kissing spine*".ti. or "kissing spine*".ab. or traumatic spondylopath*.ti. or traumatic spondylopath*.ab. or (vertebra* adj2 (disorder* or fracture* or injur*)).ti. or (vertebra* adj2 (disorder* or fracture* or injur*)).ab. or (disc* adj1 degeneration).ti. or (disc* adj1 degeneration).ab. or spondylolysis.ti. or spondylolysis.ab. or "spinal stenosis".ti. or "spinal stenosis".ab. or spondylolisthesis.ti. or spondylolisthesis.ab. or ((spine or spinal or vertebra*) adj1 "endplate defect").ti. or ((spine or spinal or vertebra*) adj1 "endplate defect").ab. or spondylarthritis.ti. or spondylarthritis.ab. or "spinal enthesitis".ti. or "spinal enthesitis".ab. or sacroiliitis.ti. or sacroiliitis.ab. or (ankylos* adj2 (spine or spinal)).ti. or (ankylos* adj2 (spine or spinal)).ab. or "ankylosing spondylitis".ti. or "ankylosing spondylitis".ab. or spinal arthrodesis.ti. or spinal arthrodesis.ab. or ((spin* adj1 pain) or (cervical adj1 pain) or (neck adj1 pain) or (thora* adj1 pain) or (back adj1 pain)).ti. or ((spin* adj1 pain) or (cervical adj1 pain) or (neck adj1 pain) or (thora* adj1 pain) or (back adj1 pain)).ab. or sciatica.ti. or sciatica.ab. or ((strain* or sprain*) and (neck or thora* or spine or spinal or "low* back" or sacroiliac)).ti. or ((strain* or sprain*) and (neck or thora* or spine or spinal or "low* back" or sacroiliac)).ab. or whiplash.ti. or whiplash.ab. or neck pain.sh. or back pain.sh. or low back pain.sh. or spine.sh. or musculoskeletal diseases.sh. or musculoskeletal system.sh.</p>

S2	Clinical Minimal Datasets terms (("data set" or "data sets" or "dataset" or "datasets") and minim*).ti. or (("data set" or "data sets" or "dataset" or "datasets") and minim*).ab. or "reporting method*".ti. or consensus.ti. or research standards.ti. or "health questionnaire*".ti. or "outcome assessment*".ti. or "common outcome*".ti. or standardization.ti. or standardisation.ti. or (core adj4 set).ti. or (standardize* adj5 outcome*).ti. or (outcome adj3 set*).ti. or "outcome measure*".ti. or (core adj4 data*).ti. or "core outcome".ti. or (core adj3 measure*).ti. or consensus.sh. or data collection.sh. or registries.sh. or database.sh.
S3	(Final + limitation to English, German, French, and Spanish language) S1 AND S2

APPENDIX F: Preliminary Search strategy for ProQuest Dissertations & Theses**Global**

	Search terms
S1	<p>Conditions area terms</p> <p>(ab((spine NEAR/2 deformit*) OR (spinal NEAR/2 deformit*)) OR ti((spine NEAR/2 deformit*) OR (spinal NEAR/2 deformit*))) OR (ab(kyphosis) OR ti(kyphosis)) OR (ab(scoliosis) OR ti(scoliosis)) OR (ab(lordosis) OR ti(lordosis)) OR (ab(torticollis) OR ti(torticollis)) OR (ab(ankylosing NEAR/2 hyperostosis) OR ti(ankylosing NEAR/2 hyperostosis)) OR (ab("kissing spine") OR ti("kissing spine")) OR (ab(traumatic spondylopath*) OR ti(traumatic spondylopath*)) OR (ab((vertebra* NEAR/2 (disorder* OR fracture* OR injur*)) OR ti((vertebra* NEAR/2 (disorder* OR fracture* OR injur*))) OR (ab(disc* NEAR/1 degeneration) OR ti(disc* NEAR/1 degeneration)) OR (ab(spondylolysis) OR ti(spondylolysis)) OR (ab("spinal stenosis") OR ti("spinal stenosis")) OR (ab(spondylolisthesis) OR ti(spondylolisthesis)) OR (ab((spine OR spinal OR vertebra*) NEAR/1 "endplate defect") OR ti((spine OR spinal OR vertebra*) NEAR/1 "endplate defect")) OR (ab(spondylarthritis) OR ti(spondylarthritis)) OR (ab("spinal enthesitis") OR ti("spinal enthesitis")) OR (ab(sacroiliitis) OR ti(sacroiliitis)) OR (ab(ankylos* NEAR/2 (spine OR spinal)) OR ti(ankylos* NEAR/2 (spine OR spinal))) OR (ab("ankylosing spondylitis") OR ti("ankylosing spondylitis")) OR (ab(spinal arthrodesis) OR ti(spinal arthrodesis)) OR (ab((spin* NEAR/1 pain) OR (cervical NEAR/1 pain) OR (neck NEAR/1 pain) OR (thora* NEAR/1 pain) OR (back NEAR/1 pain)) OR ti((spin* NEAR/1 pain) OR (cervical NEAR/1 pain) OR (neck NEAR/1 pain) OR (thora* NEAR/1 pain) OR (back NEAR/1 pain))) OR (ab(sciatica) OR ti(sciatica)) OR (ab((strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac)) OR ti((strain* OR sprain*) AND (neck OR thora* OR spine OR spinal OR "low* back" OR sacroiliac))) OR (ab(whiplash) OR ti(whiplash))</p>

	<p>mainsubject.Exact("neck pain") OR mainsubject.Exact("back pain") OR mainsubject.Exact("spine") OR mainsubject.Exact("musculoskeletal diseases") OR mainsubject.Exact("musculoskeletal system")</p>
S2	<p>Clinical Minimal Datasets terms</p> <p>ab(("data set" OR "data sets" OR "dataset" OR "datasets") AND (minim*)) OR ti(("data set" OR "data sets" OR "dataset" OR "datasets") AND (minim*)) OR ti("reporting method*") OR ti("consensus") OR ti("research standards") OR ti("health questionnaire*") OR ti("outcome assessment*") OR ti("common outcome*") OR ti("standardization") OR ti("standardisation") OR ti("core N/4 set") OR ti("standardize* N/5 outcome*") OR ti("outcome N/3 set*") OR ti("outcome measure*") OR ti("core N/4 data*") OR ti("core outcome") OR ti("core N/3 measure*") OR mainsubject.Exact("datasets") OR mainsubject.Exact("health surveys") OR mainsubject.Exact("databases")</p>
S3	<p>(Final)</p> <p>S1 AND S2</p>

APPENDIX G: Preliminary Search strategy for medRxiv preprint repository, ClinicalTrials.gov and Google

medRxiv, ClinicalTrials.gov and Google Advanced Search have limited queries on their advanced search tool. The original MEDLINE search strategy was adapted to fit those limits.

medRxiv

Search Terms & Keywords
(back pain OR neck pain OR musculoskeletal OR spine) AND (core outcomes OR minimal data OR outcome sets)

ClinicalTrials.gov

Condition or disease	("Back Pain" OR "neck pain" OR "musculoskeletal" OR "spine")
Other terms	("core outcome" OR "outcome set" OR "common outcome" OR standardization OR "minimal dataset")

Google Advanced Search

<p><u>Find pages with...</u></p> <p>All these words:</p> <p>("back pain" OR "neck pain" OR "spinal disorders" OR "musculoskeletal" OR "spine" OR "spinal") AND ("reporting methods" OR "research standards" OR "standardization" OR "standardisation" OR "standard set" OR "minimal dataset" OR "core dataset" OR "common outcome" OR "core outcome" OR "core outcome")</p>
<p><u>Then narrow your results by...</u></p> <p>Site or domain:</p> <p>".org" OR .gov OR spine.org OR eurospine.org OR spinecanada.org</p>