**Appendix 1**

**Search Strategy – (November and December 2015)**

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| **DATABASE** | **TERMS** |
| **EMBASE** | 1. \*chronic pain/  2. \*pain/  3. 1 or 2  4. rating scale/ or psychometry/ or measurement/ or outcome assessment/ or measurement tool.mp. or pain assessment/ or questionnaire/  5. screening test.mp. or screening test/  6. self report.mp. or \*self report/  7. drug monitoring.mp. or \*drug monitoring/  8. risk assessment.mp. or \*risk assessment/  9. outcome assessment.mp. or \*outcome assessment/  10. prescription drug screening.mp.  11. opioid screen\*.mp.  12. opiate screen\*.mp.  13. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12  14. \*analgesic agent abuse/ or \*drug abuse/  15. analgesic misuse.mp.  16. \*drug dependence/ or \*drug abuse pattern/ or \*drug misuse/ or \*drug seeking behavior/ or \*narcotic dependence/  17. prescription drug misuse.mp.  18. prescription drug abuse.mp.  19. \*opiate/  20. opioid.mp.  21. oxycodone.mp. or \*oxycodone/  22. \*morphine/ or morphine.mp.  23. \*fentanyl/ or fentanyl.mp.  24. dihydrocodeine.mp. or \*dihydrocodeine/  25. methadone.mp. or \*methadone/  26. \*buprenorphine plus naloxone/ or \*buprenorphine/ or buprenorphine.mp.  27. \*codeine/ or codeine.mp.  28. hydromorphone.mp. or \*hydromorphone/  29. \*tramadol/ or tramadol.mp.  30. tapentadol.mp. or \*tapentadol/  31. pethidine.mp. or \*pethidine/  32. \*narcotic agent/ or \*narcotic analgesic agent/  33. tricyclic antidepressant agent.mp. or \*tricyclic antidepressant agent/  34. \*amitriptyline/ or amitriptyline.mp.  35. \*gabapentin/ or gabapentin.mp.  36. pregabalin.mp. or \*pregabalin/  37. misuse.mp.  38. abuse.mp.  39. drug dependence.mp. or \*drug dependence/  40. 14 or 15 or 16 or 17 or 18 or 37 or 38 or 39  41. painkiller.mp.  42. analgesic agent.mp. or \*analgesic agent/  43. 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 41 or 42  44. 3 and 13 and 40 and 43  45. 3 and 13 and 40 and 43 |
| **MEDLINE** | 1. \*Chronic Pain/  2. \*Pain/  3. 1 or 2  4. \*"Outcome Assessment (Health Care)"/ or \*Questionnaires/ or measurement tool.mp. or \*Pain Measurement/  5. rating scale.mp.  6. \*Psychometrics/ or psychometry.mp.  7. measurement.mp.  8. pain assessment.mp.  9. questionnaire.mp. or \*Questionnaires/  10. screening test.mp.  11. self report.mp. or \*Self Report/ or \*Self-Assessment/  12. drug monitoring.mp. or \*Drug Monitoring/  13. risk assessment.mp. or \*Risk Assessment/  14. outcome assessment.mp.  15. \*Substance Abuse Detection/ or prescription drug screen\*.mp.  16. opioid screen\*.mp.  17. opiate screen\*.mp.  18. \*Substance-Related Disorders/ or analgesic agent abuse.mp.  19. \*opioid-related disorders/ or \*heroin dependence/ or \*morphine dependence/  20. drug abuse.mp.  21. analgesic misuse.mp.  22. drug dependence.mp.  23. \*Drug-Seeking Behavior/ or drug seeking behaviour.mp.  24. narcotic dependence.mp.  25. prescription drug misuse.mp. or \*Prescription Drug Misuse/  26. prescription drug abuse.mp.  27. drug misuse.mp.  28. misuse.mp.  29. abuse.mp.  30. substance abuse detection.mp. or \*Substance Abuse Detection/  31. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 30  32. 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29  33. opiate.mp.  34. \*Analgesics, Opioid/ or opioid\*.mp.  35. oxycodone.mp. or \*Oxycodone/  36. morphine.mp. or \*Morphine/  37. fentanyl.mp. or \*Fentanyl/  38. dihydrocodeine.mp.  39. methadone.mp. or \*Methadone/  40. buprenorphine.mp. or \*Buprenorphine/  41. codeine.mp. or \*Codeine/  42. hydromorphone.mp. or \*Hydromorphone/  43. tramadol.mp. or \*Tramadol/  44. tapentadol.mp.  45. pethidine.mp. or \*Meperidine/  46. narcotic\*.mp. or \*Analgesics, Non-Narcotic/  Search Journals Books Multimedia My Workspace  47. tricyclic antidepressant.mp. or \*Antidepressive Agents, Tricyclic/  48. amitriptyline.mp. or \*Amitriptyline/  49. gabapentin.mp.  50. pregabalin.mp.  51. \*Analgesics/ or painkiller\*.mp.  52. 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51  53. 3 and 31 and 32 and 52 |
| **COCHRANE LIBRARY** | #1 MeSH descriptor: [Pain] explode all trees 33829  #2 MeSH descriptor: [Pain Measurement] explode all trees  15333  #3 MeSH descriptor: [Self-Assessment] explode all trees 621  #4 MeSH descriptor: [Outcome Assessment (Health Care)] explode  all trees 102998  #5 MeSH descriptor: [Patient Outcome Assessment] explode all  trees 30  #6 MeSH descriptor: [Risk Assessment] explode all trees 7949  #7 MeSH descriptor: [Substance Abuse Detection] explode all  trees 373  #8 MeSH descriptor: [Questionnaires] explode all trees  17834  #9 #2 or #3 or #4 or #5 or #6 or #7 or #8 128553  #10 MeSH descriptor: [Prescription Drug Misuse] explode all  trees 93  #11 MeSH descriptor: [Substance-Related Disorders] explode all  trees 9841  #12 MeSH descriptor: [Drug-Seeking Behavior] explode all trees  11  #13 #10 or #11 or #12 9849  #14 MeSH descriptor: [Analgesics] explode all trees 15853  #15 MeSH descriptor: [Analgesics, Opioid] explode all trees 5297  #16 MeSH descriptor: [Antidepressive Agents, Tricyclic] explode  all trees 1017  #17 opiate 3699  #18 oxycodone 1050  #19 morphine 8588  #20 fentanyl 9450  #21 dihydrocodeine 119  #22 methadone 2052  #23 buprenorphine 1534  #24 codeine 1405  #25 hydromorphone 490  #26 tramadol 2234  #27 tapentadol 110  #28 pethidine 1760  #29 gabapentin 1347  #30 pregabalin 846  #31 #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22  or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30  37072  #32 #1 and #9 and #13 and #31 46 |
| **PSYCHINFO** | 1. pain.mp. or exp Chronic Pain/ or exp Pain/  2. \*screening tests/ or \*measurement/ or \*psychological screening inventory/ or \*general health questionnaire/ or \*psychiatric evaluation/ or \*screening/  3. \*rating scales/ or \*measurement/ or \*likert scales/ or \*multidimensional scaling/  4. \*self report/ or \*methodology/ or \*likert scales/ or \*self evaluation/ or \*self monitoring/ or \*self perception/  5. exp Monitoring/ or drug monitoring.mp.  6. \*risk assessment/ or \*evaluation/ or \*at risk populations/ or \*decision making/ or \*risk factors/ or \*risk management/  7. exp Psychometrics/ or exp Treatment Outcomes/ or exp Treatment Effectiveness Evaluation/ or outcome assessment.mp.  8. exp Drug Usage Screening/ or exp Screening Tests/ or prescription drug screening.mp. or exp Screening/  9. opioid screen.mp.  10. substance abuse detection.mp.  11. \*questionnaires/  12. \*Drug Abuse/ or analgesic misuse.mp.  13. \*Drug Addiction/ or \*Drug Dependency/ or \*Drug Abuse/ or drug dependence.mp.  14. prescription drug misuse.mp.  15. prescription drug abuse.mp.  16. substance misuse.mp.  17. substance abuse.mp.  18. analgesic abuse.mp.  19. \*drug seeking/  20. \*drug abuse liability/  21. drug seeking behaviour.mp.  22. drug seeking behavior.mp.  23. \*opiates/ or \*narcotic drugs/ or \*codeine/ or \*fentanyl/ or \*morphine/  24. opioid.mp.  25. oxycodone.mp.  26. dihydrocodeine.mp.  27. \*methadone/  28. buprenorphine.mp.  29. hydromorphone.mp.  30. \*tramadol/  31. tapentadol.mp.  32. pethidine.mp.  33. \*Analgesic Drugs/ or \*Analgesia/ or analgesic.mp.  34. \*prescription drugs/  35. \*Nortriptyline/ or \*Amitriptyline/ or \*Tricyclic Antidepressant Drugs/ or \*Imipramine/ or tricyclic antidepressant.mp.  36. gabapentin.mp. or \*Pregabalin/  37. painkiller.mp.  38. 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11  39. 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22  40. 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37  41. 1 and 38 and 39 and 40 |
| **PUBMED** | (((((((((((((((((((((((opioid) OR opiate) OR narcotic) OR codeine) OR fentanyl) OR morphine) OR dihydrocodeine) OR oxycodone) OR methadone) OR buprenorphine) OR hydromorphone) OR pethidine) OR tramadol) OR tapentadol) OR tricyclic antidepressant) OR amitriptyline) OR nortriptyline) OR imipramine) OR gabapentin) OR pregabalin)) AND (((((((((drug abuse) OR drug misuse) OR drug dependence) OR prescription drug misuse) OR prescription drug abuse) OR analgesic abuse) OR analgesic misuse) OR drug seeking behaviour) OR drug seeking behavior)) AND ((((((screening) OR measurement) OR rating) OR assessment) OR questionnaire) OR evaluation)) AND chronic pain |
| **CINAHL** | S29  S1 AND S26 AND S27 AND S28  S28  S13 OR S14 OR S15  OR S16 OR S17 OR  S18 OR S19 OR S20  OR S21 OR S22 OR  S23 OR S24 OR S25  S27  S6 OR S7 OR S8 OR  S9 OR S10 OR S11 OR  S12  S26  S2 OR S3 OR S4 OR S5  S25  (MM "Pregabalin")  S24  (MM "Gabapentin")  S23  (MM "Imipramine")  S22  (MM "Nortriptyline")  S21  (MM "Amitriptyline")  S20  (MM "Antidepressive  Agents, Tricyclic")  S19  (MM "Analgesics") OR  (MM "Analgesics,  Opioid") OR (MM  "Analgesics,  Nonnarcotic") OR  "analgesic"  S18  "pethidine"  S17  "tapentadol"  S16  (MM "Buprenorphine")  OR (MM "Codeine") OR  (MM  "Dihydromorphinone")  OR (MM "Fentanyl") OR  (MM "Methadone") OR  (MM "Morphine") OR  (MM "Tramadol") OR  (MM "Oxycodone")  S15  "dihydrocodeine"  S14  "opiates"  S13  (MM "Narcotics") OR  (MM "Analgesics,  Opioid") OR (MM  "Tramadol") OR (MM  "Oxycodone") OR  "opioid"  S12  "drug seeking behavior"  S11  "drug seeking  behaviour"  S10  "drug seeking"  S9  "prescription drug  abuse"  S8  "prescription drug  misuse"  S7  (MM "Substance  Dependence") OR "drug  dependence"  S6  (MM "Substance  Abuse") OR (MM "Drug  Abuse (Saba CCC)")  OR "drug abuse"  S5  (MM "Clinical  Assessment Tools")  S4  (MM "Outcome  Assessment") OR  "measurement"  S3  (MM "Behavior Rating  Scales") OR (MM  "Problem Rating Scale  for Outcomes  (Omaha)") OR (MM  "Scales") OR (MM  "Clinical Assessment  Tools") OR "rating"  S2  (MM "Outcome  Assessment") OR  "measurement"  S1  (MM "Chronic Pain") |