**Appendix 1. Search strategies**

**Medline and Embase (systematic review of RCTs)**

1. Exp Cannabinoids/
2. Exp Cannabis/
3. Cannab\* or Marijuana or Marinol or Dronabinol or Nabilone or Levonantradol or Tetrahydrocannabinol or Cesamet or Delta-9-THC or Delta-9-Tetrahydrocannabinol or Nabiximols or Sativex or Cannabidiol or THC or CBD.mp.
4. Or/1-3
5. Exp therapeutic uses/
6. Exp drug therapy
7. Exp analgesics/
8. ‘Therapeutic use\*’ or drug therap\* or analgesic\*.mp.
9. Or/5-8
10. 4 AND 9
11. Exp medical marijuana/
12. ‘Medicinal marijuana’ or ‘medical marijuana’.mp.
13. ‘Medicinal cannabis’ or ‘medical cannabis’.mp.
14. Or/11-13
15. 10 OR 14
16. Exp Pain/
17. Exp fibromyalgia/
18. Exp arthritis/
19. Exp headache disorders/
20. Fibromyalgia or musculoskeletal pain or dysmenorrhea or neuralgi\* or neuropath\*.mp.
21. headache\* or cephalgi\* or cephalalgi\* or migrain\* or neuropath\*.mp.
22. pain or painful.mp.
23. postoperative or 'post operative'.mp.
24. Or/16-23
25. randomized controlled trial.pt.
26. controlled clinical trial.pt.
27. randomized.ab.
28. placebo.ab.
29. drug therapy.fs.
30. randomly.ab.
31. trial.ab.
32. groups.ab.
33. Or/25-32
34. 15 AND 24 AND 33

**Medline and Embase (overview review search)**

1. Exp Cannabinoids/
2. Exp Cannabis/
3. Cannab\* or Marijuana or Marinol or Dronabinol or Nabilone or Levonantradol or Tetrahydrocannabinol or Cesamet or Delta-9-THC or Delta-9-Tetrahydrocannabinol or Nabiximols or Sativex or Cannabidiol or THC or CBD.mp.
4. Or/1-3
5. Exp therapeutic uses/
6. Exp drug therapy
7. Exp analgesics/
8. ‘Therapeutic use\*’ or drug therap\* or analgesic\*.mp.
9. Or/5-8
10. 4 AND 9
11. Exp medical marijuana/
12. ‘Medicinal marijuana’ or ‘medical marijuana’.mp.
13. ‘Medicinal cannabis’ or ‘medical cannabis’.mp.
14. Or/11-13
15. 10 OR 14
16. Exp Pain/
17. Exp fibromyalgia/
18. Exp arthritis/
19. Exp headache disorders/
20. Fibromyalgia or musculoskeletal pain or dysmenorrhea or neuralgi\* or neuropath\*.mp.
21. headache\* or cephalgi\* or cephalalgi\* or migrain\* or neuropath\*.mp.
22. pain or painful.mp.
23. postoperative or 'post operative'.mp.
24. Or/16-23
25. meta analysis.pt.
26. (meta‐analys\* or meta analys\* or metaanalys\*).tw,sh.
27. exp meta-analysis as topic/
28. exp meta-analysis/
29. (systematic\* adj5 review\*).tw,sh.
30. (systematic\* adj5 overview\*).tw,sh.
31. (quantitativ\* adj5 review\*).tw,sh.
32. (quantitativ\* adj5 overview\*).tw,sh.
33. (quantitativ\* adj5 synthesis\*).tw,sh.
34. (methodologic\* adj5 review\*).tw,sh.
35. (methodologic\* adj5 overview\*).tw,sh.
36. (integrative research review\* or research integration).tw.
37. Cochrane.ti.
38. Or/25-37
39. 15 AND 24 AND 38

**CENTRAL (systematic review of RCTs) and Cochrane Database of Systematic Reviews (CDSR; overview review)**

1. Exp Cannabinoids/
2. Exp Cannabis/
3. Cannab\* or Marijuana or Marinol or Dronabinol or Nabilone or Levonantradol or Tetrahydrocannabinol or Cesamet or Delta 9 THC or Delta9THC or Delta 9 Tetrahydrocannabinol or Delta9Tetrahydrocannabinol or Nabiximols or Sativex or Cannabidiol or THC or CBD
4. Or/1-3
5. Exp therapeutic uses/
6. Exp drug therapy
7. Exp analgesics/
8. “Therapeutic use\*” or drug therap\* or analgesic\*:ti,ab,kw.
9. Or/5-8
10. 4 AND 9
11. Exp medical marijuana/
12. “Medicinal marijuana” or “medical marijuana”:ti,ab,kw.
13. “Medicinal cannabis” or “medical cannabis”:ti,ab,kw.
14. Or/11-13
15. 10 OR 14
16. Exp Pain/
17. Exp fibromyalgia/
18. Exp arthritis/
19. Exp headache disorders/
20. Fibromyalgia or musculoskeletal pain or dysmenorrhea or neuralgi\* or neuropath\*:ti,ab,kw.
21. headache\* or cephalgi\* or cephalalgi\* or migrain\* or or neuropath\*:ti,ab,kw.
22. pain or painful:ti,ab,kw.
23. postoperative or “post operative”:ti,ab,kw.
24. Or/16-23
25. Limit to Cochrane reviews, protocols, trials, and special issues

**DARE (for the overview only)**

1. Exp Cannabinoids/
2. Exp Cannabis/
3. Cannab\* or Marijuana or Marinol or Dronabinol or Nabilone or Levonantradol or Tetrahydrocannabinol or Cesamet or Delta 9 THC or Delta9THC or Delta 9 Tetrahydrocannabinol or Delta9Tetrahydrocannabinol or Nabiximols or Sativex or Cannabidiol or THC or CBD
4. Or/1-3
5. Exp medical marijuana/
6. Medicinal marijuana or medical marijuana
7. Medicinal cannabis or medical cannabis
8. Or/5-7
9. 4 or 8
10. Exp Pain/
11. Exp fibromyalgia/
12. Exp arthritis/
13. Exp headache disorders/
14. Fibromyalgia or musculoskeletal pain or dysmenorrhea or neuralgi\* or neuropath\*
15. headache\* or cephalgi\* or cephalalgi\* or migrain\* or or neuropath\*.
16. pain or painful
17. postoperative or post operative