

Appendices

Appendix A: Eligible cannabis products

List of names for Cannabis for inclusion

| Cannabis in general | Concentrates | Tetrahydrocannabinol (THC) |
|---------------------|-----------------|---|
| Marijuana | Shatter / Glass | Tetrahydrocannabinol |
| Marihuana | Wax | THC |
| Cannabis | Rosin | 10-oxo-delta-6a-tetrahydrocannabinol |
| Cannabinoid | Oil | OTHC |
| Reefers | Hash / Hashish | Delta-8-tetrahydrocannabinolic acid |
| Joints | Dab | Δ 8-THCA |
| spliffs | Budders | Delta-8-tetrahydrocannabinol |
| Bhang | Butters | d8THC |
| Ganjas | Resin | Δ 8-THC |
| Bhang | Extract | Delta-9-tetrahydrocannabinol |
| Charas | Badder | d9THC |
| Pot | Sugar | Δ 9-THC |
| Dope | Crumble | THCA |
| Ganja | | Delta-9-tetrahydrocannabinol-C4 |
| Weed | | THC-C4 |
| Blow | | Delta-9-tetrahydrocannabinolic acid A |
| Grass | | Δ 9-THCA |
| Black | | THCA-A |
| goldseal black | | Delta-9-tetrahydrocannabinolic acid B |
| redseal black | | Δ 9-THCB |
| Morrocan | | THCA-B |
| Rocky | | Delta-9-tetrahydrocannabiorolic acid, Δ 9-THCA-C1 |
| Hemp | | THCA-C1 |
| Aunt Mary | | Delta-9-tetrahydrocannabinolic acid C4, Δ 9-THC-C4 |
| BC Bud | | THCA-C4 |
| Blunts | | Delta-9-tetrahydrocannabiorcol |
| Boom | | Δ 9-THC-C1 |
| Chronic | | Delta-9-tetrahydrocannabivarin |
| Dope | | THCV |
| Gangster | | Delta-9tetrahydrocannabivarinic acid |
| Herb | | THCVA |
| Hydro | | TriHydroxy-delta-9-tetrahydrocannabinol |
| Indo | | TRIOH-THC |
| Joint | | 11-hydroxy-delta-9-tetrahydrocannabinol |
| Kif | | 11-OH THC |
| Mary Jane | | 11-nor-9-carboxy-delta- 9-tetrahydrocannabinol |

| | | |
|------------|--|----------|
| Mota | | THC-COOH |
| Pot | | |
| Reefer | | |
| Sinsemilla | | |
| Skunk | | |
| Smoke | | |
| Yerb | | |
| | | |
| | | |

List of names for Cannabis for exclusion

| Cannabidiol | Cannabinol | Dronabinol | Nabilone | FDA-approved orally administered synthetic cannabinoid products |
|-----------------------------|----------------------------------|-------------------|-----------------|--|
| Cannabidiol | Cannabinol | Dronabinol | Nabilone | Epidiolex |
| Cannabidiolic Acid | CBN | | | Marinol |
| CBDA | Cannabinolic Acid | | | Syndros |
| Cannabidiocol | CBNA | | | Cesamet |
| CBDC1 | Cannabidiocol | | | Epidyolex |
| Cannabidiol Monomethylether | CBN-C1 | | | Reduvo |
| CBDM | Cannabinol-C2 | | | Adversa |
| Cannabidivarin | CBN-C2 | | | Nabiximols |
| CBDV | Cannabinol-C4 | | | Sativex |
| Cannabidivarinic Acid | CBN-C4 | | | |
| CBDVA | Cannabinodiol | | | |
| Cannabidiolum | CBND | | | |
| | Cannabinol Methylether | | | |
| | CBNM | | | |
| | Delta-9-cis-tetrahydrocannabinol | | | |
| | CIS-THC | | | |

Appendix B: Search strategies

Search Summary

| Database | Number of results |
|----------------------|-------------------|
| Ovid MEDLINE | 34279 |
| EMBASE | 8388 |
| AMED | 305 |
| Cochrane Library | 2349 |
| CINAHL | 14800 |
| ToxLINE (via PubMed) | 977 |
| DARE | 78 |
| Total Results | 61176 |

Ovid MEDLINE(R) ALL 1946 to October 4, 2021

Search Date: October 5, 2021

| Search # | Search Strategy | Results |
|----------|--|---------|
| 1 | (mari#uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja).mp. or "cannabis"/ | 38909 |
| 2 | Tetrahydrocannabinol*.mp. OR THC.mp. | 11055 |
| 3 | "Medical Marijuana"/ | 1671 |
| 4 | "Marijuana Smoking"/ | 5233 |
| 5 | "Marijuana Use"/ | 1472 |
| 6 | "Marijuana Abuse"/ | 6669 |
| 7 | Or/1-6 | 44102 |
| 8 | exp Animals/ not (exp Animals/ and Humans/) | 4893920 |
| 9 | 7 NOT 8 | 39290 |
| 10 | comment.pt. OR editorial.pt. OR interview.pt. OR news.pt. OR newspaper article.pt. OR letter.pt. | 2239700 |
| 11 | 9 NOT 10 | 36543 |
| 12 | 11 AND English.lg. | 34279 |

Embase (via Elsevier, Embase.com, 1947 to present)

Search date: October 5, 2021

| Search # | Search Strategy | Results |
|----------|--|---------|
| 1 | (mari*uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja):de,ab,ti or 'cannabis'/exp | 48690 |
| 2 | (Tetrahydrocannabinol* OR THC):de,ab,ti OR 'tetrahydrocannabinol'/exp OR 'delta9(11) tetrahydrocannabinol'/exp | 18707 |
| 3 | 'medical cannabis'/exp | 2939 |
| 4 | 'cannabis use'/exp | 14234 |

| | | |
|----|--|---------|
| 5 | 'cannabis addiction'/exp | 10819 |
| 6 | 'cannabis-induced psychosis'/exp | 132 |
| 7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 | 68206 |
| 8 | 'animal experiment'/de NOT ('human experiment'/de OR 'human'/de) | 2367990 |
| 9 | #7 NOT #8 | 64452 |
| 10 | 'conference abstract':it OR 'conference review':it OR editorial:it OR letter:it OR note:it | 6960987 |
| 11 | #9 NOT #10 | 49872 |
| 12 | #11 AND English:la | 45666 |
| 13 | #12 NOT [medline]/lim | 8388 |

AMED (Allied and Complementary Medicine via Ovid, 1985 to September 2021)

Search date: October 5, 2021

| Search # | Search Strategy | Results |
|----------|---|---------|
| 1 | (mari#uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja).mp. or exp cannabis/ | 342 |
| 2 | Tetrahydrocannabinol*.mp. OR THC.mp. | 74 |
| 3 | Or/1-2 | 363 |
| 4 | exp Animals/ not (exp Animals/ and Humans/) | 13790 |
| 5 | 3 NOT 4 | 357 |
| 6 | comment.pt. OR commentary.pt. OR conference proceedings.pt. OR conference review.pt. OR editorial.pt. OR interview.pt. OR news.pt. OR newspaper article.pt. OR letter.pt. | 16653 |
| 7 | 5 NOT 6 | 320 |
| 8 | 7 AND English.lg. | 305 |

Cochrane Library (Issue 10 of 12, October 2021, via Wiley, including Cochrane Database of Systematic Reviews and Cochrane Central Register of Controlled Trials)

Search date: October 5, 2021

| Search # | Search Strategy | Results |
|----------|---|---------|
| 1 | (mari#uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja):ab,ti,kw or [mh "cannabis"] | 426 |
| 2 | (Tetrahydrocannabinol* OR THC):ab,ti,kw | 1468 |
| 3 | [mh "Medical Marijuana"] | 18 |
| 4 | [mh "Marijuana Smoking"] | 313 |
| 5 | [mh "Marijuana Use"] | 343 |
| 6 | [mh "Marijuana Abuse"] | 637 |
| 7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 | 2349 |

CINAHL (Cumulative Index to Nursing and Allied Health Literature via EBSCOhost, 1981 to present)
 Search date: October 7, 2021

| Search # | Search Strategy | Results |
|----------|---|---------|
| 1 | TI(mari#uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja) or AB(mari#uana* or cannabi\$1 OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja) OR (MH "Cannabis") | 15061 |
| 2 | TI(Tetrahydrocannabinol* OR THC) OR AB(Tetrahydrocannabinol* OR THC) | 1501 |
| 3 | (MH "Medical Marijuana") | 1955 |
| 4 | S1 OR S2 OR S3 | 16562 |
| 5 | (MH "Animals+") NOT ((MH "Animals+") AND (MH "Human")) | 87532 |
| 6 | S4 NOT S5 | 16428 |
| 7 | PT(Commentary OR Editorial OR Interview OR Letter OR Proceedings) | 905405 |
| 8 | S6 NOT S7 | 14926 |
| 9 | S8 AND LA(English) | 14800 |

ToxLine (via PubMed.gov, 1946 to present)
 Search date: October 5, 2021

| Search # | Search Strategy | Results |
|----------|---|---------|
| 1 | marijuana*[tw] or marihuana*[tw] or cannabis[tw] OR hemp[tw] OR hems[tw] OR hashish*[tw] OR bhang*[tw] OR ganjas[tw] OR ganja[tw] or "cannabis"[Mesh] | 38819 |
| 2 | Tetrahydrocannabinol*[tw] OR THC[tw] | 11148 |
| 3 | "Medical Marijuana"[Mesh] | 1669 |
| 4 | "Marijuana Smoking"[Mesh] | 5230 |
| 5 | "Marijuana Use"[Mesh] | 6507 |
| 6 | "Marijuana Abuse"[Mesh] | 6667 |
| 7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 | 44093 |
| 8 | Animals[Mesh] not (Animals[Mesh] and Humans[Mesh]) | 4894028 |
| 9 | #7 NOT #8 | 39268 |
| 10 | #9 AND tox[subset] | 23791 |
| 11 | #10 NOT medline[subset] | 984 |
| 12 | #11 AND English[Language] | 977 |

Database of Abstracts of Reviews of Effects (DARE, via University of York Centre for Reviews and Dissemination, 1994 – March 2015)

| Search # | Search Strategy | Results |
|----------|-----------------|---------|
|----------|-----------------|---------|

| | | |
|---|--|----|
| 1 | (marijuana* or marihuana* or cannabis OR hemp OR hems OR hashish* OR bhang* OR ganjas OR ganja) IN DARE | 78 |
|---|--|----|

Appendix C: Example grey literature search

We will perform specific searches of all US States and Territories using iterative site searches. We will search for unpublished reports and reviews in the relevant sources listed in the CADTH checklist outlined in 'Grey Matters: a practical tool for searching health-related grey literature' (available from: <https://www.cadth.ca/resources/finding-evidence/grey-matters>)

We will use search terms related to marijuana, potency, health effects, and study reports will be grouped to maximize specificity. We will stop after reviewing 100 records for each search.

Example for search for US State reports on health effects of high-potency products

| Source | Search strategy |
|------------------------------------|--|
| US state agency websites | site:cannabis.ca.gov, site:cdph.ca.gov, site:ca.gov |
| Marijuana and potency terms | THC, THC-A , Delta-9-tetrahydrocannabinol , Δ^9 -THC, tetrahydrocannabinol acid, tetrahydrocannabinol, shatter, wax, resin, kief, sift, tincture, distillate, isolate, concentrate, potent, potency, crumble, BHO, butane-honey oil, potency, concentration, high-potency, potent |
| Health effect terms | health, adverse, exposure, harm, benefit, therapy, medical, outcome |
| Report terms | Report, literature, evidence-based, review, study |