

Appendix: Search for Literature

Search for literature (including both alcohol and cannabis)

List of databases and registries searched:

- CINAHL (EBSCO)
- Clinical Trials (U.S. National Institutes of Health, U.S. National Library of Medicine)
- Cochrane Central Register of Controlled Trials (Wiley)
- EMBASE (OVID)
- ERIC (ProQuest)
- International Clinical Trials Registry Platform (WHO)
- ISI Web of Science (Thomson Reuters, now Clarivate Analytics)
- MEDLINE (OVID)
- OpenGrey (INIST-CNRS - Institut de l'Information Scientifique et Technique)
- ProQuest Dissertations & Theses (ProQuest)
- PsycINFO (OVID)
- Social Services Abstracts (ProQuest)
- Sociological Abstracts (ProQuest)
- SveMed+ (Karolinska Institutet)

Appendix Table A1 Search Strategy for Ovid MEDLINE

1	alcohol drinking/ or exp alcoholic beverages/ or exp alcohol-related disorders/ or alcoholics/
2	(alcohol* or drunk* or inebriation).tw.
3	((behavio?r or binge or heavy or hazard* or harmful or habit* or pattern* or problem* or risk*) adj3 drink*).tw.
4	((alco* or beer* or wine* or liquor* or ethanol) adj2 (drink* or consum* or intoxicat* or abuse* or misuse or addict* or depend* or disorder* or intake or poison*)).tw.
5	cannabis/ or tetrahydrocannabinol/ or marijuana smoking/ or marijuana abuse/
6	(cannabi* or mari?uana or hash or hashish or tetrahydrocannabinol or thc).tw.
7	or/1-6
8	exp computer systems/ or exp software/ or multimedia/ or exp compact disks/ or internet/ or social media/ or exp telecommunications/ or computer-assisted instruction/ or medical informatics/ or public health informatics/
9	(pc or pcs or computer* or laptop* or software*).tw.
10	(multimedia* or multi-media* or hypermedia* or hyper-media*).tw.
11	(cd-rom* or cdrom* or (compact adj (disc* or disk*))).tw.
12	((education* or instruct*) adj3 media).tw.
13	((health or medical) adj informatics).tw.
14	(surf* adj2 (web or net)).tw.
15	(online or on-line or web-based or web based).tw.
16	(world wide web or www or worldwide web or website* or web-site* or internet*).tw.
17	(e-health or e-therap*).tw.
18	"interactive voice response".tw.
19	social media.tw.

20	((app or apps or application*) adj10 (mobile* or phone* or telephone* or cellphone* or smartphone* or tablet* or ipad* or android*)).tw.
21	(messaging or sms* or text message* or e-mail* or electronic mail*).tw.
22	or/8-21
23	7 and 22
24	randomized controlled trial.pt.
25	controlled clinical trial.pt.
26	randomized.ab.
27	placebo.ab.
28	clinical trials as topic/
29	randomly.ab.
30	trial.ti.
31	or/24-30
32	exp animals/ not humans/
33	31 not 32
34	23 and 33
35	limit 23 to "therapy (best balance of sensitivity and specificity)"
36	34 or 35

Table A2. Codes and symbols used in the search strategy

Codes and symbols used in the search strategy	
exp <term>/	Explodes the term entered onto the command line.
<term>/	Retrieves records indexed with the exact term, but not its narrower, more specific terms.
ADJn	A positional operator that retrieves records that contain the terms (in any order) within a specified number (n) of words of each other.
*	Searches for variations on a word that are formed with different suffixes.
?	The optional wild card character stands for zero or one characters within a word or at the end of a word.
.tw	Search field: title or abstract
.ti	Search field: title
.ab	Search field: abstract
.pt	Search field: publication type
Lines 24-33	Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2008 revision); Ovid format
Line 34	Ovid MEDLINE Clinical Queries Therapy (best balance of sensitivity and specificity)