

Appendix 12: search strategies for the identification of health economic evidence

The search strategies should be referred to in conjunction with information set out in Chapter 3, Section 3.2.16.

For standard mainstream bibliographic databases (CINAHL, EMBASE, MEDLINE and PsycINFO) search terms on alcohol dependence and harmful alcohol use were combined with a search filter for health economic studies. For searches generated in topic-specific databases (HTA, NHS EED) search terms on alcohol dependence and harmful alcohol use were used without a filter. The search strategies were initially developed for MEDLINE before being translated for use in other databases/ interfaces.

A condensed version of the strategies constructed for use with the main databases searched follows.

1. Guideline topic search strategy

a. MEDLINE, EMBASE, PsycINFO - Ovid SP interface

1. exp alcohol abuse/ or (alcohol-related disorders or alcohol-induced disorders or sobriety).sh.
2. (alcoholi\$ or (alcohol\$ and (abstinence or detoxification or intoxicat\$ or rehabilit\$ or withdraw\$))).hw.
3. alcoholi\$.ti,ab.
4. (drinker\$1 or (drink\$ adj2 use\$1) or ((alcohol\$ or drink\$) adj5 (abstinen\$ or abstain\$ or abus\$ or addict\$ or attenuat\$ or binge\$ or crav\$ or dependen\$ or detox\$ or disease\$ or disorder\$ or excessiv\$ or harm\$ or hazard\$ or heavy or high risk or intoxicat\$ or misus\$ or overdos\$ or (over adj dos\$) or problem\$ or rehab\$ or reliance or reliant or relaps\$ or withdraw\$))).ti,ab.
5. (control\$ adj2 drink\$).tw.
6. sobriet\$.ti,ab,hw.
7. or/1-6

b. CINAHL - Ebsco interface

- S10 S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9
S9 TI sobriet* or AB sobriet*
S8 (TI control* N2 drink*) or (AB control* N2 drink*)
S7 (TI drink* N5 abstinen* or AB drink* N5 abstinen*) or (TI drink* N5 abstain* or AB drink* N5 abstain*) or (TI drink* N5 abus* or AB drink* N5 abus*) or (TI drink* N5 addict* or AB drink* N5 addict*) or (TI drink* N5 attenuat* or AB drink* N5 attenuat*) or (TI drink* N5 binge* or AB

- drink* N5 binge*) or (TI drink* N5 crav* or AB drink* N5 crav*) or (TI drink* N5 dependen* or AB drink* N5 dependen*) or (TI drink* N5 detox* or AB drink* N5 detox*) or (TI drink* N5 disease* or AB drink* N5 disease*) or (TI drink* N5 disorder* or AB drink* N5 disorder*) or (TI drink* N5 excessiv* or AB drink* N5 excessiv*) or (TI drink* N5 harm* or AB drink* N5 harm*) or (TI drink* N5 hazard* or AB drink* N5 hazard*) or (TI drink* N5 heavy or AB drink* N5 heavy) or (TI drink* N5 high risk or AB drink* N5 high risk) or (TI drink* N5 intoxicat* or AB drink* N5 intoxicat*) or (TI drink* N5 misus* or AB drink* N5 misus*) or (TI drink* N5 overdos* or AB drink* N5 overdos*) or (TI drink* N5 over dos* or AB drink* N5 over dos*) or (TI drink* N5 problem* or AB drink* N5 problem*) or (TI drink* N5 rehab* or AB drink* N5 rehab*) or (TI drink* N5 reliance or AB drink* N5 reliance) or (TI drink* N5 reliant or AB drink* N5 reliant) or (TI drink* N5 relaps* or AB drink* N5 relaps*) or (TI drink* N5 withdraw* or AB drink* N5 withdraw*)
- S6 (TI alcohol* N5 abstinen* or AB alcohol* N5 abstinen*) or (TI alcohol* N5 abstain* or AB alcohol* N5 abstain*) or (TI alcohol* N5 abus* or AB alcohol* N5 abus*) or (TI alcohol* N5 addict* or AB alcohol* N5 addict*) or (TI alcohol* N5 attenuat* or AB alcohol* N5 attenuat*) or (TI alcohol* N5 binge* or AB alcohol* N5 binge*) or (TI alcohol* N5 crav* or AB alcohol* N5 crav*) or (TI alcohol* N5 dependen* or AB alcohol* N5 dependen*) or (TI alcohol* N5 detox* or AB alcohol* N5 detox*) or (TI alcohol* N5 disease* or AB alcohol* N5 disease*) or (TI alcohol* N5 disorder* or AB alcohol* N5 disorder*) or (TI alcohol* N5 excessiv* or AB alcohol* N5 excessiv*) or (TI alcohol* N5 harm* or AB alcohol* N5 harm*) or (TI alcohol* N5 hazard* or AB alcohol* N5 hazard*) or (TI alcohol* N5 heavy or AB alcohol* N5 heavy) or (TI alcohol* N5 high risk or AB alcohol* N5 high risk) or (TI alcohol* N5 intoxicat* or AB alcohol* N5 intoxicat*) or (TI alcohol* N5 misus* or AB alcohol* N5 misus*) or (TI alcohol* N5 overdos* or AB alcohol* N5 overdos*) or (TI alcohol* N5 over dos* or AB alcohol* N5 over dos*) or (TI alcohol* N5 problem* or AB alcohol* N5 problem*) or (TI alcohol* N5 rehab* or AB alcohol* N5 rehab*) or (TI alcohol* N5 reliance or AB alcohol* N5 reliance) or (TI alcohol* N5 reliant or AB alcohol* N5 reliant) or (TI alcohol* N5 relaps* or AB alcohol* N5 relaps*) or (TI alcohol* N5 withdraw* or AB alcohol* N5 withdraw*)
- S5 (TI drink* N2 use*) or (AB drink* N2 use*)
- S4 TI drinker* or AB drinker*
- S3 MW alcoholi*
- S2 MW alcohol* and (abstinence or detoxification or intoxicat* or rehabilit* or withdraw*)
- S1 (MH "Alcohol Abuse") or (MH "Alcoholic Intoxication") or (MH "Alcoholism") or (MH "Alcohol-Related Disorders") or (MH "Alcohol Abuse Control (Saba CCC)") or (MH "Alcohol Abuse (Saba CCC)")

c. HTA Database, NHS Economic Evaluation Database - Wiley Interscience interface

- #1 MeSH descriptor Alcohol-Related Disorders, this term only
- #2 MeSH descriptor Alcohol-Induced Disorders, this term only
- #3 MeSH descriptor Alcoholic Intoxication, this term only
- #4 MeSH descriptor Alcoholism, this term only
- #5 (alcoholi*):ti or (alcoholi*):ab
- #6 (abstinence or detoxification or intoxicat* or rehabilit* or withdraw*):kw and (alcohol*):kw
- #7 MeSH descriptor Substance-Related Disorders, this term only
- #8 (drinker* or (drink* NEAR/2 use*) or ((alcohol* or drink*) NEAR/5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or high risk or intoxicat* or misus* or overdos* or over dose or over dosing or over doses or problem* or rehab* or reliance or reliant or relaps* or withdraw*)):ti or (drinker* or (drink* NEAR/2 use*) or ((alcohol* or drink*) NEAR/5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or high risk or intoxicat* or misus* or overdos* or over dose or over dosing or over doses or problem* or rehab* or reliance or reliant or relaps* or withdraw*)):ab
- #9 (control* NEAR/2 drink*):ti or (control* NEAR/2 drink*):ab
- #10 (sobriet*):ti or (sobriet*):ab
- #11 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10)

2. Health economics and quality-of-life search filter - this is an adaptation of a filter designed by the NHS Centre for Reviews and Dissemination at the University of York

a. MEDLINE, EMBASE, PsycINFO - Ovid SP interface

- 1 (health care rationing or health priorities or medical savings accounts or resource allocation).sh,id. or "deductibles and coinsurance"/
- 2 (budget\$ or cost\$ or econom\$ or expenditure\$ or fee\$1 or financ\$ or health resource or money or pharmacoeconomic\$ or socioeconomic).hw,id.
- 3 (budget\$ or cost\$ or econom\$ or expenditure\$ or financ\$ or fiscal or funding or pharmacoeconomic\$ or socioeconomic\$ or price or prices or pricing or (value adj3 money) or (burden adj3 (disease\$ or illness\$))).tw.
- 4 exp "quality of life"/ or "value of life"/ or (quality adjusted life year\$ or well being or wellbeing).sh,id.
- 5 exp models, economic/ or (models, statistical or statistical model or (economics and models)).sh,id.
- 6 health status indicators.sh,id.

- 7 (daly or qol or hql or hqol or hrqol or hr ql or hrql or (quality adj2 life) or (adjusted adj2 life) or qaly\$ or (health adj2 stat\$) or well being or wellbeing or qald\$ or qale\$ or qtime\$ or eq5d or eq 5d or qwb or ((quality or value\$) adj3 (life or survival or well\$)) or hui\$1 or (utilit\$ adj1 (health or score\$ or weigh\$)) or (life adj2 year\$) or health year equivalent\$ or ((disability or quality) adj adjusted) or utility value\$ or (weight\$ adj3 preference\$) or euroqol or euro qol or visual analog\$ or standard gamble or time trade or qtwist or q twist or (valu\$ adj2 quality)).tw.
- 8 decision tree/ or decision trees/
- 9 (decision analy\$ or monte carlo or markov or simulation model\$ or rosser or disutili\$ or willingness to pay or tto or hye or hyes or (resource adj (allocat\$ or use\$ or utilit\$))).tw.
- 10 (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).tw,tm,it.
- 11 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw,tm,it.
- 12 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw,tm,it.
- 13 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw,tm,it.
- 14 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw,tm,it.
- 15 ec.fs. *[ANDed with subject heading searches for the main population/topic]*
- 16 or/1-15
- 17 animal\$/ not human\$.mp.
- 18 animal\$/ not human\$/
- 19 (animal not human).po.
- 20 16 not (or/17-19)

b. CINAHL – Ebsco interface

- S19 S17 not S18
- S18 (MH "Animals") not (MH "Human")
- S17 S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16
- S16 ti ((sf20 or "sf 20" or "short form 20" or "shortform 20" or "sf twenty" or sftwenty or "shortform twenty" or "short form twenty")) or ab ((sf20 or "sf 20" or "short form 20" or "shortform 20" or "sf twenty" or sftwenty or "shortform twenty" or "short form twenty"))
- S15 ti ((sf16 or "sf 16" or "short form 16" or "shortform 16" or "sf sixteen" or sfsixteen or "shortform sixteen" or "short form sixteen")) or ab ((sf16 or "sf 16" or "short form 16" or "shortform 16" or "sf sixteen" or sfsixteen or "shortform sixteen" or "short form sixteen"))
- S14 ti ((sf12 or "sf 12" or "short form 12" or "shortform 12" or "sf twelve" or sftwelve or "shortform twelve" or "short form twelve")) or ab ((sf12 or

- “sf 12” or “short form 12” or “shortform 12” or “sf twelve” or sftwelve or “shortform twelve” or “short form twelve”)
- S13 ti ((sf6 or “sf 6” or “short form 6” or “shortform 6” or “sf six” or sfsix or “shortform six” or “short form six”)) or ab ((sf6 or “sf 6” or “short form 6” or “shortform 6” or “sf six” or sfsix or “shortform six” or “short form six”))
- S12 ti ((sf36 or “sf 36” or “short form 36” or “shortform 36” or “sf thirtysix” or “sf thirty six” or “shortform thirtysix” or “shortform thirty six “ or “short form thirtysix” or “short form thirty six”)) or ab ((sf36 or “sf 36” or “short form 36” or “shortform 36” or “sf thirtysix” or “sf thirty six” or “shortform thirtysix” or “shortform thirty six “ or “short form thirtysix” or “short form thirty six”))
- S11 ti ((“decision analys*” or “monte carlo” or markov or “simulation model*” or rosser or disutili* or “willingness to pay” or tto or hye or hyes or “resource allocation” or “resource use” or “resource ulitit*”)) or ab ((“decision analys*” or “monte carlo” or markov or “simulation model*” or rosser or disutili* or “willingness to pay” or tto or hye or hyes or “resource allocation” or “resource use” or “resource ulitit*”))
- S10 (mh "decision trees")
- S9 TI (daly or qol or hql or hqol or hrqol or “hr ql” or hrql or qaly* or “well being” or wellbeing or qald* or qale* or qtime* or eq5d or “eq 5d” or qwb or hui or “health year equivalent*” or “utility value*” or euroqol or “euro qol” or “visual analog*” or “standard gamble” or “time trade” or qtwist or “q twist” or “disability adjusted” or “quality adjusted”) or AB (daly or qol or hql or hqol or hrqol or “hr ql” or hrql or qaly* or “well being” or wellbeing or qald* or qale* or qtime* or eq5d or “eq 5d” or qwb or hui or “health year equivalent*” or “utility value*” or euroqol or “euro qol” or “visual analog*” or “standard gamble” or “time trade” or qtwist or “q twist” or “disability adjusted” or “quality adjusted”) or (TI quality N2 life or AB quality N2 life) or (TI adjusted N2 life or AB adjusted N2 life) or (TI health N2 stat* or AB health N2 stat*) or (TI quality N3 life or AB quality N3 life) or (TI quality N3 survival or AB quality N3 survival) or (TI quality N3 well* or AB quality N3 well*) or (TI value N3 life or AB value N3 life) or (TI value N3 survival or AB value N3 survival) or (TI value N3 well* or AB value N3 well*) or (TI utilit* N1 health or AB utilit* N1 health) or (TI utilit* N1 score* or AB utilit* N1 score*) or (TI utilit* N1 weigh* or AB utilit* N1 weigh*) or (TI life N2 year* or AB life N2 year*) or (TI weight* N3 preference* or AB weight* N3 preference*) or (TI valu* N2 quality or AB valu* N2 quality)
- S8 (mh "health status indicators") or (MH "Models, Statistical")
- S7 (mh "psychological well-being") or (MH "Psychological Well-Being (Iowa NOC) (Non-Cinahl)") or (MH "Well-Being (Iowa NOC)")
- S6 (mh "quality of life+") or (MH "Economic Value of Life") or (MH "Quality-Adjusted Life Years")
- S5 TI (budget* or cost* or econom* or expenditure* or financ* or fiscal or funding or pharmaco-economic* or socio-economic* or price or prices or

pricing) or AB (budget* or cost* or econom* or expenditure* or financ* or fiscal or funding or pharmacoeconomic* or socioeconomic* or price or prices or pricing) or ((TI value N3 money or AB value N3 money) or (TI burden N3 disease* or AB burden N3 disease*) or (TI burden N3 illness* or AB burden N3 illness*))

- S4 mw (budget* or cost* or econom* or expenditure* or fee* or financ* or health resource or money or pharmacoeconomic* or socioeconomic)
- S3 (mh "economic value of life")
- S2 (mh "resource allocation") or (mh "health resource allocation")
- S1 (mh "medical savings accounts")

Details of searches undertaken in EconLit are available on CD/on request.