**Supplementary Table 1: Search strategy used to identify a sample of SRs of studies reporting HSUVs**

1 (systematic$ adj5 (review$ or overview$ or synthes$ or assess$ or evaluat$ or compar$ or search$ or literature or evidence)).ti,ab.

2 systematic$.ti,ab.

3 meta-analysis as topic/

4 meta-analytic$.ti,ab.

5 meta-analysis.ti,ab,pt.

6 metanalysis.ti,ab.

7 metaanalysis.ti,ab.

8 meta-synthesis.ti,ab.

9 metasynthesis.ti,ab.

10 meta-regression.ti,ab.

11 metaregression.ti,ab.

12 or/3-11

13 2 and 12

14 review.pt.

15 (review$ or overview$ or synthes$).ti,ab.

16 or/14-15

17 (evidence or literature or study or studies).ti,ab.

18 (search$ or database$).ti,ab.

19 (medline or pubmed or cochrane or embase or cinahl or psyc?lit or psyc?info).ab.

20 ((inclusion or selection or eligibility or predefined or predetermined or pre-defined or pre-determined) adj criteria).ab.

21 (data adj3 (extract$ or abstracted or abstraction)).ab.

22 (confidence interval$ or heterogeneity or pooled or pooling or odds ratio$ or jadad or coding).ab.

23 ((published or evaluat$) adj2 intervention$).ab.

24 or/17-23

25 2 and 16 and 24

26 1 or 13 or 25

27 (utility not (clinical utility or diagnostic utility)).ti.

28 (utility adj3 (analysis or calculat$ or cost$ or data or disease$ or elicit$ or estimat$ or evaluat$ or expenditure$1 or gain or gains or health$ or increment$ or index$ or indices or information or instrument$1 or life or loss or losses or lost or mean or measur$ or overall or range$ or reported or scale$1 or score$1 or scoring or state or states or status or unit or units or valu$ or weight or weighting or weights)).ti,ab.

29 utility.ab. /freq=2

30 utilities.ti,ab.

31 disutili$.ti,ab.

32 (euro qual or euro qual5d or euro qol5d or eq-5d or eq5-d or eq5d or euroqual or euroqol or euroqual5d or euroqol5d).ti,ab.

33 (SF6D or SF-6D).ti,ab.

34 short form 6D.ti,ab.

35 (hui or hui1 or hui2 or hui3).ti,ab.

36 (15D or 15-D or 15 dimension).ti,ab.

37 (HSUV or HSUVs).ti,ab.

38 Quality-Adjusted Life Years/

39 quality adjusted life year$1.ti,ab.

40 qaly$.ti,ab.

41 or/27-40

42 26 and 41

43 (news or editorial or letter or comment or case reports).pt.

44 exp animals/ not humans/

45 42 not (43 or 44)

46 limit 45 to (english language and yr="2004 -Current")

**Supplementary Table 2: Pragmatic title and abstract screening criteria used to identify a sample of SRs of studies reporting HSUVs**

To be considered for inclusion in the sample of candidate reviews, reviews must fulfil the following criteria:

* The review title and / or abstract must explicitly and clearly describe the review methods as ‘systematic’ (this will include for example, “a systematic review”, “we systematically reviewed the literature”, “a systematic literature review”, “a systematic search”);
* The review title and / or abstract must explicitly and clearly indicate that the objective of the report was to review studies reporting health utilities. This must be indicated by explicit reference to studies reporting ‘health utility’ or ‘health state utility values' (or similar) outcomes, or studies reporting EQ-5D, HUI, SF-6, or 15 D outcomes. The following will be excluded:
  + Reviews with more general objectives (e.g. reviewing cost studies, cost-effectiveness studies or clinical effectiveness studies) which refer to studies reporting health utilities (amongst other studies) – unless the searcher judges there is a likelihood that utility studies have been sourced via the systematic review and will be reported usefully in the review ;
  + Reviews of ‘cost-utility’ studies, or with objectives indicating a review of ‘cost-utility’, which do not refer to health utility values or instruments;
  + Reviews with ambiguous objectives;
* The full text of the review must be available free online or via YHEC subscriptions;
* The review must be published in English.

**Supplementary Table 3: Pragmatic full text SR search strategy quality assessment checklist**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Searches MEDLINE, plus two other resources? | Includes full Medline strategy? | Strategy translates research question into identifiable search concepts? | Strategy includes both MeSH and free-text searches? | Boolean and/or proximity used without error? | Strategy includes a range of synonyms and variants for concepts of interest (where appropriate)? | If used, truncation symbol is correct for interface? | Strategy is free of spelling mistakes, syntax errors or wrong line numbers? |
| Review 1 | Yes |  |  |  |  |  |  |  |  |
| No |  |  |  |  |  |  |  |  |
| Unclear |  |  |  |  |  |  |  |  |
| Review 2 | Yes |  |  |  |  |  |  |  |  |
| No |  |  |  |  |  |  |  |  |
| Unclear |  |  |  |  |  |  |  |  |
| etc |  |  |  |  |  |  |  |  |  |

**Supplementary Table 4: NICE CS terms (HSUV concept search terms used in the case study included in the NICE DSU Technical Support Document on the identification, review and synthesis of health state utility values from the literature (6))**

1 exp quality of life/

2 quality of life.tw.

3 life quality.tw.

4 hql.tw.

5 (sf 36 or sf36 or sf thirtysix or sf thirty six or short form 36 or short form thirty six or short form thirty-six or short form 36).tw.

6 qol.tw.

7 (euroqol or eq5d or eq 5d).tw.

8 qaly$.tw.

9 quality adjusted life year$.tw.

10 hye$.tw.

11 health$ year$ equivalent$.tw.

12 health utilit$.tw.

13 hui.tw.

14 quality of wellbeing$.tw.

15 quality of well being.tw.

16 qwb.tw.

17 (qald$ or qale$ or qtime$).tw.

18 standard gamble$.tw.

19 time trade off.tw.

20 time tradeoff.tw.

21 tto.tw.

22 visual analog$ scale$.tw.

23 discrete choice experiment$.tw.

24 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or short form six or short form six).tw.

25 health state$ utilit$.tw.

26 health state$ value$.tw.

27 health state$ preference$.tw.

28 or/1-27 (274093)

**Supplementary Table 5: Best performing current YHEC search filter to identify studies reporting HSUVs (CSF3)**

1 Quality-Adjusted Life Years/

2 Value of Life/

3 (qaly$ or qald$ or qale$ or qtime$).ti,ab,kf.

4 (quality adjusted or adjusted life year$).ti,ab,kf.

5 disability adjusted life.ti,ab,kf.

6 daly$1.ti,ab,kf.

7 ((index adj3 wellbeing) or (quality adj3 wellbeing) or qwb).ti,ab,kf.

8 (multiattribute$ or multi attribute$).ti,ab,kf.

9 (utility adj3 (score$1 or scoring or valu$ or measur$ or evaluat$ or scale$1 or instrument$1 or weight or weights or weighting or information or data or unit or units or health$ or life or estimat$ or elicit$ or disease$ or mean or cost$ or expenditure$1 or gain or gains or loss or losses or lost or analysis or index$ or indices or overall or reported or calculat$ or range$ or increment$ or state or states or status)).ti,ab,kf.

10 utility.ab. /freq=2

11 utilities.ti,ab,kf.

12 disutili$.ti,ab,kf.

13 (HSUV or HSUVs).ti,ab,kf.

14 health$1 year$1 equivalent$1.ti,ab,kf.

15 (hye or hyes).ti,ab,kf.

16 (hui or hui1 or hui2 or hui3).ti,ab,kf.

17 (illness state$1 or health state$1).ti,ab,kf.

18 (euro qual or euro qual5d or euro qol5d or eq-5d or eq5-d or eq5d or euroqual or euroqol or euroqual5d or euroqol5d).ti,ab,kf.

19 (eq-sdq or eqsdq).ti,ab,kf.

20 (short form$ or shortform$).ti,ab,kf.

21 (sf36$ or sf 36$ or sf thirtysix or sf thirty six).ti,ab,kf.

22 (sf6 or sf 6 or sf6d or sf 6d or sf six or sfsix or sf8 or sf 8 or sf eight or sfeight).ti,ab,kf.

23 (sf12 or sf 12 or sf twelve or sftwelve).ti,ab,kf.

24 (sf16 or sf 16 or sf sixteen or sfsixteen).ti,ab,kf.

25 (sf20 or sf 20 or sf twenty or sftwenty).ti,ab,kf.

26 (15D or 15-D or 15 dimension).ti,ab,kf.

27 (standard gamble$ or sg).ti,ab,kf.

28 (time trade off$1 or time tradeoff$1 or tto or timetradeoff$1).ti,ab,kf.

29 or/1-28