

Cost-effectiveness searches

Databases	Date searched	Version/files	No. retrieved
MEDLINE (Ovid)	30 th Sept 2019	Ovid MEDLINE(R) <1946 to September 27, 2019>	152
MEDLINE in Process (Ovid)	30 th Sept 2019	Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations <1946 to September 27, 2019>	20
MEDLINE epub (Ovid)	30 th Sept 2019	Ovid MEDLINE(R) Epub Ahead of Print <September 27, 2019>	2
Embase (Ovid)	30 th Sept 2019	Embase <1974 to 2019 Week 39>	289
EconLit (Ovid)	30 th Sept 2019	Econlit <1886 to September 12, 2019>	0
NHS Economic Evaluation Database (NHS EED) (legacy database)	27 th Sept 2019	Up to 2015	1
CRD HTA	27 th Sept 2019	Up to 2018	1

The following search filters were applied to the search strategies in MEDLINE and Embase to identify cost-effectiveness studies:

- Glanville J et al. (2009) [Development and Testing of Search Filters to Identify Economic Evaluations in MEDLINE and EMBASE](#). Alberta: Canadian Agency for Drugs and Technologies in Health (CADTH)

Several modifications have been made to these filters over the years that are standard NICE practice.

Search strategies
Database: Ovid MEDLINE(R) <1946 to September 27, 2019>
Search Strategy:

1 exp Kidney Diseases/ (497482)
2 exp Kidney Function Tests/ (76838)
3 exp Kidney/ (343141)
4 (renal* or kidney* or ckd*).tw. (761239)
5 or/1-4 (1017912)
6 Cystatin C/ (3831)
7 cystatin*.tw. (6868)
8 6 or 7 (7240)
9 Glomerular Filtration Rate/ (42229)
10 (glomerul* or GFR* or eGFR* or e-GFR*).tw. (153947)
11 9 or 10 (167155)
12 5 and 8 and 11 (2670)
13 Economics/ (27076)
14 exp "Costs and Cost Analysis"/ (228437)
15 Economics, Dental/ (1907)
16 exp Economics, Hospital/ (23895)
17 exp Economics, Medical/ (14123)
18 Economics, Nursing/ (3994)
19 Economics, Pharmaceutical/ (2890)
20 Budgets/ (11170)

- 21 exp Models, Economic/ (14398)
- 22 Markov Chains/ (13660)
- 23 Monte Carlo Method/ (27171)
- 24 Decision Trees/ (10696)
- 25 econom\$.tw. (224357)
- 26 cba.tw. (9611)
- 27 cea.tw. (19862)
- 28 cua.tw. (951)
- 29 markov\$.tw. (16972)
- 30 (monte adj carlo).tw. (28569)
- 31 (decision adj3 (tree\$ or analys\$)).tw. (12375)
- 32 (cost or costs or costing\$ or costly or costed).tw. (434602)
- 33 (price\$ or pricing\$).tw. (31743)
- 34 budget\$.tw. (22682)
- 35 expenditure\$.tw. (46882)
- 36 (value adj3 (money or monetary)).tw. (1972)
- 37 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw. (3391)
- 38 or/13-37 (880530)
- 39 "Quality of Life"/ (181707)
- 40 quality of life.tw. (213914)
- 41 "Value of Life"/ (5659)
- 42 Quality-Adjusted Life Years/ (11411)
- 43 quality adjusted life.tw. (9988)
- 44 (qaly\$ or qald\$ or qale\$ or qtime\$).tw. (8206)
- 45 disability adjusted life.tw. (2434)
- 46 daly\$.tw. (2232)
- 47 Health Status Indicators/ (23007)
- 48 (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. (21385)
- 49 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. (1272)

- 50 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw. (4536)
- 51 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw. (28)
- 52 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw. (373)
- 53 (euroqol or euro qol or eq5d or eq 5d).tw. (8002)
- 54 (qol or hql or hqol or hrqol).tw. (40727)
- 55 (hye or hyes).tw. (58)
- 56 health\$ year\$ equivalent\$.tw. (38)
- 57 utilit\$.tw. (161238)
- 58 (hui or hui1 or hui2 or hui3).tw. (1221)
- 59 disutili\$.tw. (359)
- 60 rosser.tw. (86)
- 61 quality of wellbeing.tw. (12)
- 62 quality of well-being.tw. (368)
- 63 qwb.tw. (186)
- 64 willingness to pay.tw. (4051)
- 65 standard gamble\$.tw. (768)
- 66 time trade off.tw. (995)
- 67 time tradeoff.tw. (224)
- 68 tto.tw. (862)
- 69 or/39-68 (463135)
- 70 38 or 69 (1279518)
- 71 12 and 70 (164)
- 72 limit 71 to english language (156)
- 73 animals/ not humans/ (4586713)
- 74 72 not 73 (152)

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations <1946 to September 27, 2019>

Search Strategy:

- 1 exp Kidney Diseases/ (0)
- 2 exp Kidney Function Tests/ (0)
- 3 exp Kidney/ (0)
- 4 (renal* or kidney* or ckd*).tw. (64458)
- 5 or/1-4 (64458)
- 6 Cystatin C/ (0)
- 7 cystatin*.tw. (778)
- 8 6 or 7 (778)
- 9 Glomerular Filtration Rate/ (0)
- 10 (glomerul* or GFR* or eGFR* or e-GFR*).tw. (15280)
- 11 9 or 10 (15280)
- 12 5 and 8 and 11 (289)
- 13 Economics/ (0)
- 14 exp "Costs and Cost Analysis"/ (0)
- 15 Economics, Dental/ (0)
- 16 exp Economics, Hospital/ (0)
- 17 exp Economics, Medical/ (0)
- 18 Economics, Nursing/ (0)
- 19 Economics, Pharmaceutical/ (0)
- 20 Budgets/ (0)
- 21 exp Models, Economic/ (0)
- 22 Markov Chains/ (0)
- 23 Monte Carlo Method/ (0)
- 24 Decision Trees/ (0)
- 25 econom\$.tw. (40748)
- 26 cba.tw. (391)
- 27 cea.tw. (1714)
- 28 cua.tw. (185)
- 29 markov\$.tw. (5237)
- 30 (monte adj carlo).tw. (16070)
- 31 (decision adj3 (tree\$ or analys\$)).tw. (2126)

- 32 (cost or costs or costing\$ or costly or costed).tw. (87679)
- 33 (price\$ or pricing\$).tw. (5392)
- 34 budget\$.tw. (4642)
- 35 expenditure\$.tw. (6014)
- 36 (value adj3 (money or monetary)).tw. (342)
- 37 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw. (510)
- 38 or/13-37 (152249)
- 39 "Quality of Life"/ (0)
- 40 quality of life.tw. (35458)
- 41 "Value of Life"/ (0)
- 42 Quality-Adjusted Life Years/ (0)
- 43 quality adjusted life.tw. (1527)
- 44 (qaly\$ or qald\$ or qale\$ or qtime\$).tw. (1292)
- 45 disability adjusted life.tw. (467)
- 46 daly\$.tw. (426)
- 47 Health Status Indicators/ (0)
- 48 (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. (2502)
- 49 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. (704)
- 50 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw. (703)
- 51 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw. (4)
- 52 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw. (17)
- 53 (euroqol or euro qol or eq5d or eq 5d).tw. (1549)
- 54 (qol or hql or hqol or hrqol).tw. (6782)
- 55 (hye or hyes).tw. (7)
- 56 health\$ year\$ equivalent\$.tw. (2)
- 57 utilit\$.tw. (28443)
- 58 (hui or hui1 or hui2 or hui3).tw. (167)
- 59 disutili\$.tw. (65)

- 60 rosser.tw. (9)
- 61 quality of wellbeing.tw. (7)
- 62 quality of well-being.tw. (28)
- 63 qwb.tw. (9)
- 64 willingness to pay.tw. (849)
- 65 standard gamble\$.tw. (55)
- 66 time trade off.tw. (115)
- 67 time tradeoff.tw. (16)
- 68 tto.tw. (114)
- 69 or/39-68 (66145)
- 70 38 or 69 (209742)
- 71 12 and 70 (20)
- 72 limit 71 to english language (20)
- 73 animals/ not humans/ (0)
- 74 72 not 73 (20)

Database: Ovid MEDLINE(R) Epub Ahead of Print <September 27, 2019>

Search Strategy:

-
- 1 exp Kidney Diseases/ (0)
 - 2 exp Kidney Function Tests/ (0)
 - 3 exp Kidney/ (0)
 - 4 (renal* or kidney* or ckd*).tw. (9779)
 - 5 or/1-4 (9779)
 - 6 Cystatin C/ (0)
 - 7 cystatin*.tw. (117)
 - 8 6 or 7 (117)
 - 9 Glomerular Filtration Rate/ (0)
 - 10 (glomerul* or GFR* or eGFR* or e-GFR*).tw. (2347)
 - 11 9 or 10 (2347)
 - 12 5 and 8 and 11 (45)

- 13 Economics/ (0)
- 14 exp "Costs and Cost Analysis"/ (0)
- 15 Economics, Dental/ (0)
- 16 exp Economics, Hospital/ (0)
- 17 exp Economics, Medical/ (0)
- 18 Economics, Nursing/ (0)
- 19 Economics, Pharmaceutical/ (0)
- 20 Budgets/ (0)
- 21 exp Models, Economic/ (0)
- 22 Markov Chains/ (0)
- 23 Monte Carlo Method/ (0)
- 24 Decision Trees/ (0)
- 25 econom\$.tw. (6053)
- 26 cba.tw. (60)
- 27 cea.tw. (315)
- 28 cua.tw. (23)
- 29 markov\$.tw. (693)
- 30 (monte adj carlo).tw. (1191)
- 31 (decision adj3 (tree\$ or analys\$)).tw. (394)
- 32 (cost or costs or costing\$ or costly or costed).tw. (12288)
- 33 (price\$ or pricing\$).tw. (866)
- 34 budget\$.tw. (548)
- 35 expenditure\$.tw. (1180)
- 36 (value adj3 (money or monetary)).tw. (63)
- 37 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw. (50)
- 38 or/13-37 (20309)
- 39 "Quality of Life"/ (0)
- 40 quality of life.tw. (6637)
- 41 "Value of Life"/ (0)
- 42 Quality-Adjusted Life Years/ (0)
- 43 quality adjusted life.tw. (361)

- 44 (qaly\$ or qald\$ or qale\$ or qtime\$).tw. (317)
- 45 disability adjusted life.tw. (89)
- 46 daly\$.tw. (79)
- 47 Health Status Indicators/ (0)
- 48 (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. (446)
- 49 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. (49)
- 50 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw. (150)
- 51 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw. (1)
- 52 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw. (5)
- 53 (euroqol or euro qol or eq5d or eq 5d).tw. (346)
- 54 (qol or hql or hqol or hrqol).tw. (1297)
- 55 (hye or hyes).tw. (2)
- 56 health\$ year\$ equivalent\$.tw. (0)
- 57 utilit\$.tw. (4762)
- 58 (hui or hui1 or hui2 or hui3).tw. (25)
- 59 disutili\$.tw. (16)
- 60 rosser.tw. (0)
- 61 quality of wellbeing.tw. (1)
- 62 quality of well-being.tw. (5)
- 63 qwb.tw. (3)
- 64 willingness to pay.tw. (154)
- 65 standard gamble\$.tw. (9)
- 66 time trade off.tw. (21)
- 67 time tradeoff.tw. (5)
- 68 tto.tw. (19)
- 69 or/39-68 (11684)
- 70 38 or 69 (30270)
- 71 12 and 70 (2)

72 limit 71 to english language (2)

73 animals/ not humans/ (0)

74 72 not 73 (2)

Database: Embase <1974 to 2019 Week 39>

Search Strategy:

1 exp kidney disease/ (873979)

2 exp kidney function/ (183670)

3 kidney function test/ (11191)

4 exp kidney function test kit/ (7)

5 exp kidney/ (382032)

6 (kidney* or renal or ckd).tw. (1103875)

7 or/1-6 (1498304)

8 cystatin C/ (11157)

9 cystatin*.tw. (11453)

10 8 or 9 (14106)

11 exp glomerulus filtration rate/ (94658)

12 (glomerul* or GFR* or eGFR* or e-GFR*).tw. (256965)

13 11 or 12 (284880)

14 7 and 10 and 13 (5660)

15 exp Health Economics/ (816504)

16 exp "Health Care Cost"/ (282505)

17 exp Pharmacoeconomics/ (196933)

18 Monte Carlo Method/ (37461)

19 Decision Tree/ (11670)

20 econom\$.tw. (344332)

21 cba.tw. (12473)

22 cea.tw. (33162)

23 cua.tw. (1406)

24 markov\$.tw. (28118)

- 25 (monte adj carlo).tw. (44772)
- 26 (decision adj3 (tree\$ or analys\$)).tw. (21500)
- 27 (cost or costs or costing\$ or costly or costed).tw. (720674)
- 28 (price\$ or pricing\$).tw. (53865)
- 29 budget\$.tw. (36463)
- 30 expenditure\$.tw. (71042)
- 31 (value adj3 (money or monetary)).tw. (3263)
- 32 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw. (8370)
- 33 or/15-32 (1664436)
- 34 "Quality of Life"/ (442640)
- 35 Quality Adjusted Life Year/ (24794)
- 36 Quality of Life Index/ (2693)
- 37 Short Form 36/ (27102)
- 38 Health Status/ (122581)
- 39 quality of life.tw. (409078)
- 40 quality adjusted life.tw. (18230)
- 41 (qaly\$ or qald\$ or qale\$ or qtime\$).tw. (18616)
- 42 disability adjusted life.tw. (3690)
- 43 daly\$.tw. (3656)
- 44 (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. (39774)
- 45 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. (2248)
- 46 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw. (8910)
- 47 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw. (55)
- 48 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw. (438)
- 49 (euroqol or euro qol or eq5d or eq 5d).tw. (18765)
- 50 (qol or hql or hqol or hrqol).tw. (90017)
- 51 (hye or hyes).tw. (127)
- 52 health\$ year\$ equivalent\$.tw. (41)

- 53 utilit\$.tw. (271106)
- 54 (hui or hui1 or hui2 or hui3).tw. (2140)
- 55 disutili\$.tw. (861)
- 56 rosser.tw. (121)
- 57 quality of wellbeing.tw. (41)
- 58 quality of well-being.tw. (474)
- 59 qwb.tw. (239)
- 60 willingness to pay.tw. (7966)
- 61 standard gamble\$.tw. (1075)
- 62 time trade off.tw. (1644)
- 63 time tradeoff.tw. (283)
- 64 tto.tw. (1580)
- 65 or/34-64 (930241)
- 66 33 or 65 (2447056)
- 67 14 and 66 (424)
- 68 limit 67 to (conference abstract or conference paper or "conference review") (116)
- 69 67 not 68 (308)
- 70 limit 69 to english language (294)
- 71 nonhuman/ not human/ (4494386)
- 72 70 not 71 (289)

Database: Econlit <1886 to September 12, 2019>

Search Strategy:

-
- 1 [exp Kidney Diseases/] (0)
 - 2 [exp Kidney Function Tests/] (0)
 - 3 [exp Kidney/] (0)
 - 4 (renal* or kidney* or ckd*).tw. (316)
 - 5 or/1-4 (316)
 - 6 [Cystatin C/] (0)
 - 7 cystatin*.tw. (0)

- 8 6 or 7 (0)
- 9 [Glomerular Filtration Rate/] (0)
- 10 (glomerul* or GFR* or eGFR* or e-GFR*).tw. (12)
- 11 9 or 10 (12)
- 12 5 and 8 and 11 (0)

CRD databases

1	MeSH DESCRIPTOR Kidney Diseases EXPLODE ALL TREES	1433	Delete
2	MeSH DESCRIPTOR Kidney Function Tests EXPLODE ALL TREES	141	Delete
3	MeSH DESCRIPTOR Kidney EXPLODE ALL TREES	176	Delete
4	(renal* or kidney* or ckd*)	3317	Delete
5	(#1 or #2 or #3 or #4)	3447	Delete
6	MeSH DESCRIPTOR Cystatin C	8	Delete
7	(cystatin*)	12	Delete
8	#6 OR #7	12	Delete
9	MeSH DESCRIPTOR Glomerular Filtration Rate	92	Delete
10	(glomerul* or GFR* or eGFR* or e-GFR*)	416	Delete
11	(#9 or #10)	416	Delete
12	(#5 and #8 and #11)	6	Delete (4 DARE, 1 NHS EED, 1 HTA)