

Looked after children and young people

Search strategies

NICE guideline <number>

Search strategies

XXXX

*Commissioned by the National Institute
for Health and Care Excellence*

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Local commissioners and providers have a responsibility to enable the guideline to be applied when individual health professionals and their patients or service users wish to use it. They should do so in the context of local and national priorities for funding and developing services, and in light of their duties to have due regard to the need to eliminate unlawful discrimination, to advance equality of opportunity and to reduce health inequalities. Nothing in this guideline should be interpreted in a way that would be inconsistent with compliance with those duties.

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1. Scoping search strategies

1.1 Scoping searches

Scoping searches were undertaken on the following websites and databases (listed in alphabetical order) in June 2018 to provide information for scope development and project planning. Browsing or simple search strategies were employed.

Guidelines/website	Systematic review/economic evaluations
Audit Commission (Archived)	Campbell Collaboration
Barnardo's	Cochrane Database of Systematic Reviews (CDSR)
Become	Database of Abstracts of Reviews of Effects (DARE) – last updated April 2015
Canadian Medical Association Infobase	DUETS
Care Inquiry	Health Technology Assessment (HTA) Database – last updated October 2016
Care Quality Commission	International Guideline Library
Children's Commissioner	MEDLINE
Clinical Knowledge Summaries	NHS Economic Evaluation Database (NHS EED) – last updated April 2015
COMET (Core Outcome Measures in Effectiveness Trials)	NHS EED
Department of Health	NIHR Health Services & Delivery Research (HS&DR)
Department for Education	NIHR Health Services and Delivery Research (HS&DR) Programme
Evidence Search (NICE Evidence Services)	NIHR Health Technology Assessment Programme
Grandparents Plus	NIHR HTA Programme
Guidelines & Audit Implementation Network	PROSPERO
Guidelines International Network	TRIP Database
Health & Social Care Information Centre	
Healthtalk Online	
Her Majesty's Prison and Probation Service	
Home Office	
Map of Medicine	
National Audit Office	
National Children's Bureau	
National Clinical Audit and Patient Outcomes Programme	
National Health and Medical Research Council (Australia)	
National Prescribing Centre (legacy site)	
National Quality Board	
National Voices	
NHS Choices	
NHS Digital	
NHS England	
NHS England – Clinical Policies & Statements for Specialised Services Commissioning	
NHS National Renal Data Set - Renal Care	
NHS Quality Improvement Scotland	
NHS Think Kidneys	
NICE Clinical Knowledge Summaries (CKS)	
NICE Evidence Search	
Northern Ireland Kidney Patient Association	

Guidelines/website	Systematic review/economic evaluations
Nuffield Foundation Office for National Statistics Patient Experience Library Patient UK PatientVoices Royal College of General Practitioners Royal College of Midwives Royal College of Nursing Royal College of Nursing Royal College of Obstetricians and Gynaecologists Royal College of Paediatrics and Child Health Royal College of Physicians Royal College of Psychiatrists National Kidney Federation SIGN Social Finance TACT Fostering and Adoption UK Data Service UK National Statistics US National Guidelines Clearinghouse YouthHealthTalk	

1.2 Main searches

Bibliographic databases searched for the guideline

- Cochrane Database of Systematic Reviews – CDSR (Wiley)
- Cochrane Central Register of Controlled Trials – CENTRAL (Wiley)
- Database of Abstracts of Reviews of Effects – DARE (CDSR)
- PsycINFO (Ovid)
- EMBASE (Ovid)
- MEDLINE (Ovid)
- MEDLINE Epub Ahead of Print (Ovid)
- MEDLINE In-Process (Ovid)
- Social policy and practice (Ovid)
- ERIC (ProQuest)

1.3 Identification of evidence for review questions

A NICE information specialist conducted the literature searches for the evidence review. The searches were originally run in June 2019 with an additional search of the ERIC database in October 2019.

Searches were run on population only and the results were sifted for each review question (RQ). The searches were rerun on all databases reported above in July 2020 and again in October 2020.

The principal search strategy was developed in MEDLINE (Ovid interface) and adapted, as appropriate, for use in the other sources listed in the protocol, taking into account their size, search functionality and subject coverage.

The MEDLINE strategy below was quality assured (QA) by trained NICE information specialist. All translated search strategies were peer reviewed to ensure their accuracy. Both procedures were adapted from the [2016 PRESS Checklist](#). The translated search strategies are available in the evidence reviews for the guideline.

The search results were managed in EPPI-Reviewer v5. Duplicates were removed in EPPI-R5 using a two-step process. First, automated deduplication is performed using a high-value algorithm. Second, manual deduplication is used to assess 'low-probability' matches. All decisions made for the review can be accessed via the deduplication history.

English language limits were applied in adherence to standard NICE practice and the review protocol.

A date limit of 1990 was applied to align with the approximate advent of the Children Act 1989.

The limit to remove animal studies in the searches was the standard NICE practice, which has been adapted from: Dickersin, K., Scherer, R., & Lefebvre, C. (1994). [Systematic Reviews: Identifying relevant studies for systematic reviews](#). *BMJ*, 309(6964), 1286.

No study design filters were applied, in adherence to the review protocol.

2. Population search strategy

Table 1: search strategy

Medline Strategy, searched 10 th June 2019	
Database: Ovid MEDLINE(R) 1946 to June 10, 2019	
Search Strategy:	
1	child, orphaned/ (659)
2	child, foster/ (71)
3	child, adopted/ (46)
4	adolescent, institutionalized/ (126)
5	("looked after" adj2 (juvenile* or child* or adolescen* or toddler* or infant* or infancy* or teen* or tween* or young* or baby* or babies* or twin* or sibling* or youth*)).tw. (123)
6	("care leaver*" or "leaving care").tw. (31)
7	((("in care" or "care experience*") adj1 (juvenile* or child* or adolescen* or toddler* or infant* or infancy* or teen* or tween* or young* or baby* or babies* or twin* or sibling* or youth*)).tw. (236)
8	((nonparent* or non-parent* or parentless* or parent-less) adj3 (juvenile* or child* or adolescen* or toddler* or infant* or infancy* or teen* or tween* or young* or baby* or babies* or twin* or sibling* or youth*)).tw. (111)
9	((relinquish* or estrange*) adj2 (juvenile* or child* or adolescen* or toddler* or infant* or infancy* or teen* or tween* or young* or baby* or babies* or twin* or sibling* or youth*)).tw. (74)
10	((child* or infancy or adolescen* or juvenile* or toddler* or infant* or teen* or tween* or young* or baby or babies or twin* or sibling* or youth*) adj2 (orphan* or foster* or adopt* or abandon* or unwanted or unaccompanied or homeless or asylum* or refugee*)).ti. (2973)
11	"ward of court*".tw. (12)
12	or/1-11 (4225)
13	residential facilities/ (5286)
14	group homes/ (948)

Medline Strategy, searched 10th June 2019

Database: Ovid MEDLINE(R) 1946 to June 10, 2019

Search Strategy:

- 15 halfway houses/ (1051)
- 16 (("out of home" or " out-of-home" or placement* or "semi independent" or "semi-independent") adj2 care*).tw. (1131)
- 17 ((residential or supported or remand* or secure or correctional) adj1 (accommodation* or institut* or care or lodging or home* or centre* or center* or facilit*).tw. (6595)
- 18 or/13-17 (13612)
- 19 orphanages/ (435)
- 20 adoption/ (4727)
- 21 foster home care/ (3503)
- 22 (special adj1 guardian*).tw. (7)
- 23 ((placement* or foster*) adj2 (care* or family or families)).tw. (3144)
- 24 ((kinship or nonkinship or non kinship or connected or substitute*) adj1 care*).tw. (279)
- 25 or/19-24 (9589)
- 26 exp Infant/ or Infant Health/ or Infant Welfare/ (1098738)
- 27 (prematu* or pre-matur* or preterm* or pre-term* or infan* or newborn* or new-born* or perinat* or peri-nat* or neonat* or neo-nat* or baby* or babies or toddler*).ti,ab,in,jn. (811620)
- 28 exp Child/ or exp Child Behavior/ or Child Health/ or Child Welfare/ (1838706)
- 29 Minors/ (2505)
- 30 (child* or minor or minors or boy* or girl* or kid or kids or young*).ti,ab,in,jn. (2212038)
- 31 exp pediatrics/ (55350)
- 32 (pediatric* or paediatric* or peadiatric*).ti,ab,in,jn. (768069)
- 33 Adolescent/ or Adolescent Behavior/ or Adolescent Health/ (1937435)

Medline Strategy, searched 10th June 2019

Database: Ovid MEDLINE(R) 1946 to June 10, 2019

Search Strategy:

34 Puberty/ (12990)

35 (adolescen* or pubescen* or prepubescen* or pre-pubescen* or pubert* or prepubert* or pre-pubert* or teen* or preteen* or pre-teen* or juvenil* or youth* or under*age*).ti,ab,in,jn. (393509)

36 Schools/ (35128)

37 Child Day Care Centers/ or exp Nurseries/ or Schools, Nursery/ (8591)

38 (pre-school* or preschool* or kindergar* or daycare or day-care or nurser* or school* or pupil* or student*).ti,ab,jn. (440583)

39 ("under 18*" or "under eighteen*" or "under 25*" or "under twenty five*").ti,ab. (3651)

40 or/26-39 (4935665)

41 18 and 40 (4519)

42 12 or 25 or 41 (15912)

43 animals/ not humans/ (4554892)

44 42 not 43 (15801)

45 limit 44 to english language (14199)

46 limit 45 to ed=19900101-20190606 (11059)

No study design filters were used for the search strategy

3. Study Design Filters

No study design filters were applied, in adherence to the review protocol.

4. Health economics search strategies

4.1 Cost utility, economic evaluations and quality of life data

Sources searched

- Econlit (Ovid)
- Embase (Ovid)
- MEDLINE (Ovid)
- MEDLINE In-Process (Ovid)
- PsycINFO (Ovid)
- NHS EED (Wiley)

Search filters to retrieve cost utility, economic evaluations and quality of life papers were appended to the MEDLINE, Embase and PsycINFO searches reported above. The searches were conducted in July 2019. The searches were re-run in October 2020.

Table 8: Cost utility, economic evaluation and quality of life filters

Medline Strategy
Cost Utility
1. Markov Chains/
2. Quality-Adjusted Life Years/ or (qualit* adj2 adjust* adj2 life*).tw. or qaly*.tw.
3. (EQ5D* or EQ-5D* or ((euroqol or euro-qol or euroquol or euro-quol or eurocol or euro-col) adj3 ("5" or five)) or (european* adj2 quality adj3 ("5" or five))).tw.
4. Cost-Benefit Analysis/
5. exp Models, Economic/
6. cost.ti.
7. (cost* adj2 utilit*).tw.
8. (cost* adj2 (effective* or assess* or evaluat* or analys* or model* or benefit* or threshold* or quality or expens* or saving* or reduc*).tw.
9. (economic* adj2 (evaluat* or assess* or analys* or model* or outcome* or benefit* or threshold* or expens* or saving* or reduc*).tw
10. ((incremental* adj2 cost*) or ICER).tw
11. utilities.tw.
12. markov*.tw
13. (dollar* or USD or cents or pound or pounds or GBP or sterling* or pence or euro or euros or yen or JPY).tw.
14. ((utility or effective*) adj2 analys*).tw
15. (willing* adj2 pay*).tw
Economic evaluations
1 Economics/
2 exp "Costs and Cost Analysis"/
3 Economics, Dental/
4 exp Economics, Hospital/
5 exp Economics, Medical/
6 Economics, Nursing/

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- 7 Economics, Pharmaceutical/
- 8 Budgets/
- 9 exp Models, Economic/
- 10 Markov Chains/
- 11 Monte Carlo Method/
- 12 Decision Trees/
- 13 econom\$.tw.
- 14 cba.tw.
- 15 cea.tw.
- 16 cua.tw.
- 17 markov\$.tw.
- 18 (monte adj carlo).tw.
- 19 (decision adj3 (tree\$ or analys\$)).tw.
- 20 (cost or costs or costing\$ or costly or costed).tw.
- 21 (price\$ or pricing\$).tw.
- 22 budget\$.tw.
- 23 expenditure\$.tw.
- 24 (value adj3 (money or monetary)).tw.
- 25 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw.
- 26 or/1-25

The economics filter above was adapted from the following: 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 the filter over the years that are standard NICE practice.

Quality of life

- 1 "Quality of Life"/
- 2 quality of life.tw.
- 3 "Value of Life"/
- 4 Quality-Adjusted Life Years/
- 5 quality adjusted life.tw.
- 6 (qaly\$ or qald\$ or qale\$ or qtime\$).tw.
- 7 disability adjusted life.tw.
- 8 daly\$.tw.
- 9 Health Status Indicators/
- 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.
- 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.
- 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.
- 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.
- 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.
- 15 (euroqol or euro qol or eq5d or eq 5d).tw.
- 16 (qol or hqol or hqol or hrqol).tw.
- 17 (hye or hyes).tw.

Medline Strategy

18 health\$ year\$ equivalent\$.tw.
19 utilit\$.tw.
20 (hui or hui1 or hui2 or hui3).tw.
21 disutili\$.tw.
22 rosser.tw.
23 quality of wellbeing.tw.
24 quality of well-being.tw.
25 qwb.tw.
26 willingness to pay.tw.
27 standard gamble\$.tw.
28 time trade off.tw.
29 time tradeoff.tw.
30 tto.tw.
31 or/1-30