Appendix B: 2013 Medline search strategies for the Falls guideline

Search strategies

Scoping searches
Scoping searches were undertaken on the following websites and databases (listed in alphabetical order) in August 2011 to provide information for scope development and project planning. Browsing or simple search strategies were employed.

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<tr>
<th>Guidelines/websites</th>
<th>Systematic reviews/economic evaluations</th>
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<tr>
<td>Canadian Medical Association Infobase</td>
<td>BMJ Clinical Evidence</td>
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<tr>
<td>Department of Health</td>
<td>Cochrane Database of Systematic Reviews (CDSR)</td>
</tr>
<tr>
<td>Guidelines International Network (GIN)</td>
<td>Database of Abstracts of Reviews of Effects (DARE)</td>
</tr>
<tr>
<td>Healthcare Improvement Scotland</td>
<td>Health Economic Evaluations Database (HEED)</td>
</tr>
<tr>
<td>National Health and Medical Research Council (Australia)</td>
<td>Health Technology Assessment (HTA) Database</td>
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<tr>
<td>National Institute for Health and Clinical Excellence (NICE) - published &amp; in development guidelines</td>
<td>NHS Economic Evaluation Database (NHS EED)</td>
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<tr>
<td>National Institute for Health and Clinical Excellence (NICE) - Topic Selection</td>
<td>NHS R&amp;D Service Delivery and Organisation (NHS SDO) Programme</td>
</tr>
<tr>
<td>National Institute for Innovation and Improvement</td>
<td>National Institute for Health Research (NIHR) Health Technology Assessment Programme</td>
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<td>National Patient Safety Agency</td>
<td>TRIP Database</td>
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<td>NHS Evidence</td>
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<td>New Zealand Guidelines Group</td>
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<td>Royal Colleges</td>
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<td>Scottish Intercollegiate Guidelines Network (SIGN)</td>
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<tr>
<td>Social Care Institute for Excellence (SCIE)</td>
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<tr>
<td>US National Guideline Clearinghouse</td>
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</table>
Main searches

Sources 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 (Wiley and CRD website)
- Health Technology Assessment Database – HTA (Wiley and CRD website)
- EMBASE (Ovid)
- MEDLINE (Ovid)
- MEDLINE In-Process (Ovid)

Identification of evidence for clinical question

The searches were conducted between November 2011 and March 2012. The aim of the searches was to identify evidence for each of the clinical questions being asked.

The MEDLINE search strategies are presented below. These were translated for use in all of the other databases.

Review Question 1:

What assessment tool or process should be used to identify modifiable risk factors for falling while in hospital? Does this method vary by underlying pathology?

Database: Ovid MEDLINE(R) <1948 to November Week 3 2011>
Search Strategy:

1  Accidental Falls/
2  (Fall* or slip* or trip* or collapse*).tw.
3  or/1-2
4  exp Aged/
5  Aging/
6  Middle Aged/
7  Geriatrics/
8  (Old* or senior* or elder* or age* or geriatric* or senesence* or middleage* or middle-age* or middle age*).tw.
9  or/4-8
10 exp Hospitals/
11 Inpatients/
12 (Hospital* or hospice* or inpatient*).tw.
13 or/10-12
14 risk assessment/
15 mass screening/
16 (risk* adj3 (assess* or test* or tool* or scale* or process* or procedure* or protocol* or guide*)).tw.
Clinical practice guideline for the assessment and prevention of falls in older people

Review Question 2:

What interventions reduce older patients' risk and/or the severity of a fall in hospital, compared with usual care? Which interventions are the most effective? Does the intervention vary by underlying pathology?

Database: Ovid MEDLINE(R) <1946 to January Week 3 2012>
Search Strategy:

1 Accidental Falls/
2 (Fall* or slip* or trip* or collapse*).tw.
3 or/1-2
4 exp Aged/
5 Aging/
6 Middle Aged/
7 Geriatrics/
8 (Old* or senior* or elder* or age* or geriatric* or senescence* or middleage* or middle-age* or middle age*).tw.
9 or/4-8
10 exp Hospitals/
11 Inpatients/
12 (Hospital* or hospice* or inpatient* or ward*).tw.
13 or/10-12
14 risk assessment/
15 risk management/
16 risk factors/
17 safety management/
18 Accident Prevention/
19 Accidental Falls/pc [Prevention & Control]
20 ((Fall* or slip* or trip* or collapse*) adj3 (prevent* or reduc* or assess* or intervent* or manage* or factor* or low* or few* or less*)).tw.
21 or/14-20
22 3 and 9 and 13 and 21
23 Animals/ not Humans/
24 22 not 23
25 limit 24 to english language

Review Question 3:

What are the education and information needs of patients and their carers after a hospital-based falls risk assessment, or a fall in hospital?

Database: Ovid MEDLINE(R) <1948 to November Week 3 2011>
Search Strategy:

1 Accidental Falls/
2 (Fall* or slip* or trip* or collapse*).tw.
3 or/1-2

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Review Question 4a:

How should the care pathway be coordinated?

What are the barriers to implementing falls prevention strategies?

Database: Ovid MEDLINE(R) <1948 to November Week 1 2011>
Search Strategy:

1  Accidental Falls/
2  Accident Prevention/
3  (Fall* or slip* or trip* or collapse*).tw.
4  or/1-3
5  exp Aged/
6  Aging/
7  Middle Aged/
8  Geriatrics/
9  (Old* or senior* or elder* or age* or geriatric* or senescence* or middleage* or middle-age* or middle age*).tw.
10  or/5-9
11  4 and 10
12  Guideline Adherence/
13  Patient Compliance/
14  ((guideline* or guidance*) adj3 (adher* or practice*)).tw.
15  ((barrier* or prevent* or facilitate* or difficult* or problem* or obstacle* or stop* or weak* or unhelp* or un help* or un help* or compl* or access*) adj3 (guideline* or guidance* or recommend* or strateg* or evidence* or healthcare or health-care or health care or service*)).tw.
16  ((patient* or relative* or carer* or caregiver* or care-giver* or spouse* or husband* or wife* or wife* or partner* or physician* or practitioner* or doctor* or "healthcare profession" or nuns* or GP or 'older people*' or 'older person*' adj3 (experience* or belief* or stress* or emotion* or anx* or fear* or concern* or uncertain* or unsure* or thought* or feeling* or felt* or view* or opinion* or perception* or attitude* or satisfact* or know* or understand* or aware* or compl*))).ti.
17  Qualitative Research/
18  (qualitative* or interview* or focus group* or questionnaire* or narrative* or narration* or surve*).ti.
19  or/12-18
20  11 and 19

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Review Question 4b:

How should the care pathway be coordinated?

How can the barriers to implementing falls prevention strategies be overcome?

Economic evaluations and quality of life data

Sources searched to identify economic evaluations

- NHS Economic Evaluation Database – NHS EED (Wiley and CRD website)
- Health Economic Evaluations Database – HEED (Wiley)
- Embase (Ovid)
- MEDLINE (Ovid)
- MEDLINE In-Process (Ovid)

The searches were undertaken in January 2012. Search filters to retrieve economic evaluations and quality of life papers were appended to the following search strategy to identify relevant evidence.

Search Strategy:

1 Accidental Falls/
2 (Fall* or slip* or trip* or collapse*).tw.
3 or/1-2
4 exp Aged/
5 Aging/
6 Middle Aged/
7 Geriatrics/
8 (Old* or senior* or elder* or age* or geriatric* or senescence* or middleage* or middle age*).tw.
9 or/4-8
10 exp Hospitals/
11 Inpatients/
12 (Hospital* or hospice* or inpatient*).tw.
13 or/10-12
14 3 and 9 and 13

The MEDLINE economic evaluations and quality of life search filters are presented below. They were translated for use in the MEDLINE In-Process and Embase databases.

Economic evaluations

1 Economics/

Appendix B
Quality of life

1. "Value of Life"/
2. Quality-Adjusted Life Years/
3. quality adjusted life.ti.
4. (qaly$ or qald$ or qale$ or qtime$).tw.
5. disability adjusted life.ti.
6. days.ti.
7. Health Status Indicators/
8. (sf36 or sf 36 or short form 36 or shortform 36 or sf thirty six or sf thirty six or shortform thirty six or short form thirty six or short form thirty six).tw.
9. (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw.
10. (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw.
11. (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw.
12. (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw.
13. (euroqol or euro qol or eq5d or eq 5d).tw.
14. (hye or hyes).tw.
15. health$ year$ equivalent$.tw.
17. (utilit$ adj3 (health$ or valu$ or weight$ or scor$ or measure$)).tw.
18. (hui or hui1 or hui2 or hui3).tw.
19. disutili$.tw.
20. rosser.tw.
21. quality of wellbeing.tw.
22. quality of well-being.tw.
23. qwb.tw.
24. willingness to pay.tw.
25. standard gamble$.tw.
26. time trade off.tw.
27. time tradeoff.tw.
28. tto.tw.
29. (preferen$ weight$ or health state preferen$).tw.
30. or/1-30