

Draft

## Acute Medical Emergencies

Search strategies appendix

*Clinical guideline*

*Appendices*

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*Draft*

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**Disclaimer**

Healthcare professionals are expected to take NICE clinical guidelines fully into account when exercising their clinical judgement. However, the guidance does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of each patient, in consultation with the patient and, where appropriate, their guardian or carer.

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# Appendix A: Literature search strategies

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Search strategies used for the acute medical emergencies guideline are outlined below and were run in accordance with the methodology in the NICE guidelines manual.<sup>1</sup> All searches were run up to **1 or 2 December 2016** unless otherwise stated. Exact date limits for each search are reported with each search strategy. Any studies added to the databases after this date (even those published prior to this date) were not included unless specifically stated in the text. Where possible searches were limited to retrieve material published in English.

Searches for the **clinical reviews** were run in Medline (OVID), Embase (OVID) and the Cochrane Library (Wiley). Additional searches were run in CINAHL (EBSCO), PsycINFO (ProQuest), HMIC, Health Management Information Consortium (OVID) and Social Policy and Practice (OVID), see Table 2.

Searches for the **health economic** reviews were run in Medline, Embase, the NHS Economic Evaluations Database (NHS EED), the Health Technology Assessment (HTA) database and the Health Economic Evaluation Database (HEED). NHS EED and HTA databases were hosted by the Centre for Research and Dissemination (CRD). The Health Economic Evaluation Database (HEED) ceased production in 2014 with access ceasing in January 2015. For the final dates of HEED searches, please see individual economic questions.

For Medline and Embase an economic filter (instead of a study type filter) was added to the same clinical search strategy.

**Table 2: Databases searched**

Question	Question number	Databases
7 day radiology	A.4.23	Medline, Embase, the Cochrane Library, CRD
Advanced care planning	A.4.16	Medline, Embase, the Cochrane Library, CRD
Alternatives to hospital care	A.4.13	Medline, Embase, the Cochrane Library, CRD, HEED
AMU admission	A.4.25	Medline, Embase, the Cochrane Library, CINAHL, CRD
Bed capacity	A.4.40	Medline, Embase, the Cochrane Library, HMIC, CRD
Clinical call handlers	A.4.2	Medline, Embase, the Cochrane Library, CRD
Community nursing access	A.4.9	Medline, Embase, the Cochrane Library, CINAHL, CRD
Community pharmacists	A.4.11	Medline, Embase, the Cochrane Library, CRD
Community rehabilitation	A.4.14	Medline, Embase, the Cochrane Library, CRD, HEED
Consultant frequency	A.4.27	Medline, Embase, the Cochrane Library, CRD
Critical care outreach	A.4.28	Medline, Embase, the Cochrane Library, CRD
Discharge criteria	A.4.37	Medline, Embase, the Cochrane Library, CRD
Discharge planning	A.4.36	Medline, Embase, the Cochrane Library, CINAHL, CRD
Early vs late consultant review	A.4.20	Medline, Embase, the Cochrane Library, CRD
Elderly care assessment units	A.4.26	Medline, Embase, the Cochrane Library, CRD
ED opening hours	A.4.17	Medline, Embase, the Cochrane Library, CRD
Enhanced therapy access	A.4.32	Medline, Embase, the Cochrane Library, CINAHL, CRD
Escalation measures	A.4.41	Medline, Embase, the Cochrane Library, HMIC, CRD
GP access to lab tests	A.4.7	Medline, Embase, the Cochrane Library, CRD
GP access to radiology	A.4.8	Medline, Embase, the Cochrane Library, CRD
GP extended hours	A.4.5	Medline, Embase, the Cochrane Library, CRD
GP led home visits	A.4.6	Medline, Embase, the Cochrane Library, CRD
GP-ED	A.4.18	Medline, Embase, the Cochrane Library, CRD
Hospital transfers	A.4.35	Medline, Embase, the Cochrane Library, CRD

Question	Question number	Databases
Integrated care	A.4.39	Medline, Embase, the Cochrane Library, CRD
Integrated patient information systems	A.4.34	Medline, Embase, the Cochrane Library, CRD
Liaison psychiatry	A.4.24	Medline, Embase, the Cochrane Library, PsycINFO, CRD
Matron-nurse led care	A.4.10	Medline, Embase, the Cochrane Library, CINAHL, CRD
MDTs	A.4.30	Medline, Embase, the Cochrane Library, CRD
Minor injury unit, urgent care centre or walk-in centre	A.4.19	Medline, Embase, the Cochrane Library, CRD
Non-emergency phone access	A.4.1	Medline, Embase, the Cochrane Library, CRD
Palliative care	A.4.15	Medline, Embase, the Cochrane Library, CINAHL, CRD
Paramedic enhanced competencies	A.4.3	Medline, Embase, the Cochrane Library, CRD
Paramedic remote support	A.4.4	Medline, Embase, the Cochrane Library, CRD
Pharmacist support	A.4.31	Medline, Embase, the Cochrane Library, CRD
Physician extenders	A.4.21	Medline, Embase, the Cochrane Library, CRD
Post discharge early follow up clinics	A.4.38	Medline, Embase, the Cochrane Library, CRD
Social care	A.4.12	Medline, Embase, the Cochrane Library, Social Policy & Practice, CRD
Standardised criteria for admission	A.4.22	Medline, Embase, the Cochrane Library, CRD
Structured patient handovers	A.4.33	Medline, Embase, the Cochrane Library, CRD
Structured ward rounds	A.4.29	Medline, Embase, the Cochrane Library, CRD

## A.2 Population search strategies

No standard population search strategy was used for this guideline due to the nature of the guideline topic. The question searches covered all populations.

## A.3 Study filter search terms

### A.3.1 Excluded study designs and publication types

The following study designs and publication types were removed from retrieved results using the NOT operator.

#### Medline search terms



1.	letter/
2.	editorial/
3.	news/
4.	exp historical article/
5.	anecdotes as topic/
6.	comment/
7.	case report/
8.	(letter or comment*).ti.
9.	or/1-8
10.	randomized controlled trial/ or random*.ti,ab.
11.	9 not 10
12.	animals/ not humans/
13.	exp animals, laboratory/
14.	exp animal experimentation/
15.	exp models, animal/
16.	exp rodentia/
17.	(rat or rats or mouse or mice).ti.
18.	or/11-17

#### Embase search terms

1.	letter.pt. or letter/
2.	note.pt.
3.	editorial.pt.
4.	case report/ or case study/
5.	(letter or comment*).ti.
6.	or/1-5
7.	randomized controlled trial/ or random*.ti,ab.
8.	6 not 7
9.	animal/ not human/
10.	nonhuman/
11.	exp animal experiment/
12.	exp experimental animal/
13.	animal model/
14.	exp rodent/
15.	(rat or rats or mouse or mice).ti.
16.	or/8-15

#### CINAHL search terms

S1.	pt anecdote or pt audiovisual or pt bibliography or pt biography or pt book or pt book review or pt brief item or pt cartoon or pt commentary or pt computer program or pt editorial or pt games or pt glossary or pt historical material or pt interview or pt letter or pt listservs or pt masters thesis or pt obituary or pt pamphlet or pt pamphlet chapter or pt pictorial or pt poetry or pt proceedings or pt "questions and answers" or pt response or pt software or pt teaching materials or pt website
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### A.3.2 Randomised controlled trials (RCT) search terms

#### Medline search terms

1.	randomized controlled trial.pt.
2.	controlled clinical trial.pt.
3.	randomi#ed.ab.
4.	placebo.ab.
5.	randomly.ab.ti
6.	clinical trials as topic.sh.
7.	trial.ti.
8.	or/1-7

#### Embase search terms

1.	random*.ti,ab.
2.	factorial*.ti,ab.
3.	(crossover* or cross over*).ti,ab.
4.	((doubl* or singl*) adj blind*).ti,ab.
5.	(assign* or allocat* or volunteer* or placebo*).ti,ab.
6.	crossover procedure/
7.	double blind procedure/
8.	single blind procedure/
9.	randomized controlled trial/
10.	or/1-9

### A.3.3 Systematic review (SR) search terms

#### Medline search terms

1.	meta-analysis/
2.	meta-analysis as topic/
3.	(meta analy* or metanaly* or metaanaly*).ti,ab.
4.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
5.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7.	(search* adj4 literature).ab.
8.	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.
9.	cochrane.jw.
10.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
11.	or/1-10

#### Embase search terms

1.	systematic review/
2.	meta-analysis/
3.	(meta analy* or metanaly* or metaanaly*).ti,ab.
4.	((systematic or evidence) adj3 (review* or overview*)).ti,ab.
5.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
6.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
7.	(search* adj4 literature).ab.
8.	(medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.

9.	cochrane.jw.
10.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
11.	or/1-10

### A.3.4 Health economics (HE) search terms

#### Medline search terms

1.	economics/
2.	value of life/
3.	exp "costs and cost analysis"/
4.	exp economics, hospital/
5.	exp economics, medical/
6.	economics, nursing/
7.	economics, pharmaceutical/
8.	exp "fees and charges"/
9.	exp budgets/
10.	budget*.ti,ab.
11.	cost*.ti.
12.	(economic* or pharmaco?economic*).ti.
13.	(price* or pricing*).ti,ab.
14.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
15.	(financ* or fee or fees).ti,ab.
16.	(value adj2 (money or monetary)).ti,ab.
17.	or/1-16

#### Embase search terms

1.	health economics/
2.	exp economic evaluation/
3.	exp health care cost/
4.	exp fee/
5.	budget/
6.	funding/
7.	budget*.ti,ab.
8.	cost*.ti.
9.	(economic* or pharmaco?economic*).ti.
10.	(price* or pricing*).ti,ab.
11.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
12.	(financ* or fee or fees).ti,ab.
13.	(value adj2 (money or monetary)).ti,ab.
14.	or/1-13

### A.3.5 Extended health economic modelling (EXT MOD) search terms

#### Medline search terms

1.	exp models, economic/
2.	*models, theoretical/
3.	markov chains/

4.	monte carlo method/
5.	exp decision theory/
6.	(markov* or monte carlo).ti,ab.
7.	econom* model*.ti,ab.
8.	(decision* adj2 (tree* or analy* or model*)).ti,ab.
9.	models, organizational/
10.	*models, statistical/
11.	*logistic models/
12.	models, nursing/
13.	((organi?ation* or operation* or service* or concept*) adj3 (model* or map* or program* or simulation* or system* or analys*)).ti,ab.
14.	(econom* adj2 (theor* or system* or map* or evaluat*)).ti,ab.
15.	(ssm or soda).ti,ab.
16.	(strateg* adj3 (option* or choice*) adj3 (analys* or decision*)).ti,ab.
17.	soft systems method*.ti,ab.
18.	(meta-heuristic* or metaheuristic*).ti,ab.
19.	(dynamic* adj2 (model* or system*)).ti,ab.
20.	(simulation adj3 (model* or discrete event* or agent)).ti,ab.
21.	(microsimulation* or "micro* simulation*").ti,ab.
22.	((flow or core) adj2 model*).ti,ab.
23.	(data adj2 envelopment*).ti,ab.
24.	system* model*.ti,ab.
25.	or/1-24

#### Embase search terms

1.	statistical model/
2.	*theoretical model/
3.	nonbiological model/
4.	stochastic model/
5.	decision theory/
6.	decision tree/
7.	exp nursing theory/
8.	monte carlo method/
9.	(markov* or monte carlo).ti,ab.
10.	econom* model*.ti,ab.
11.	(decision* adj2 (tree* or analy* or model*)).ti,ab.
12.	((organi?ation* or operation* or service* or concept*) adj3 (model* or map* or program* or simulation* or system* or analys*)).ti,ab.
13.	(econom* adj2 (theor* or system* or map* or evaluat*)).ti,ab.
14.	(ssm or soda).ti,ab.
15.	(strateg* adj3 (option* or choice*) adj3 (analys* or decision*)).ti,ab.
16.	soft systems method*.ti,ab.
17.	(meta-heuristic* or metaheuristic*).ti,ab.
18.	(dynamic* adj2 (model* or system*)).ti,ab.
19.	(simulation adj3 (model* or discrete event* or agent)).ti,ab.
20.	(microsimulation* or "micro* simulation*").ti,ab.

21.	((flow or core) adj2 model*).ti,ab.
22.	(data adj2 envelopment*).ti,ab.
23.	system* model*.ti,ab.
24.	or/1-23

### A.3.6 Observational studies (OBS) search terms

#### Medline search terms

1.	epidemiologic studies/
2.	exp case control studies/
3.	exp cohort studies/
4.	cross-sectional studies/
5.	case control.ti,ab.
6.	(cohort adj (study or studies or analys*)).ti,ab.
7.	((follow up or observational or uncontrolled or non randomi#ed or nonrandomi#ed or epidemiologic*) adj (study or studies)).ti,ab.
8.	((longitudinal or retrospective or prospective or cross sectional) and (study or studies or review or analys* or cohort*)).ti,ab.
9.	or/1-8

#### Embase search terms

1.	clinical study/
2.	exp case control study/
3.	family study/
4.	longitudinal study/
5.	retrospective study/
6.	prospective study/
7.	cross-sectional study/
8.	cohort analysis/
9.	follow-up/
10.	cohort*.ti,ab.
11.	9 and 10
12.	case control.ti,ab.
13.	(cohort adj (study or studies or analys*)).ti,ab.
14.	((follow up or observational or uncontrolled or non randomi#ed or nonrandomi#ed or epidemiologic*) adj (study or studies)).ti,ab.
15.	((longitudinal or retrospective or prospective or cross sectional) and (study or studies or review or analys* or cohort*)).ti,ab.
16.	or/1-8,11-15

### A.3.7 Quality of life (QOL) search terms

#### Medline search terms

1.	quality-adjusted life years/
2.	sickness impact profile/
3.	(quality adj2 (wellbeing or well-being)).ti,ab.
4.	sickness impact profile.ti,ab.
5.	disability adjusted life.ti,ab.

6.	(qal* or qtime* or qwb* or daly*).ti,ab.
7.	(euroqol* or eq5d* or eq 5d*).ti,ab.
8.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
9.	(health utility* or utility score* or disutilit*).ti,ab.
10.	(hui or hui1 or hui2 or hui3).ti,ab.
11.	health* year* equivalent*.ti,ab.
12.	(hye or hyes).ti,ab.
13.	rosser.ti,ab.
14.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
15.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
16.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
17.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
18.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
19.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
20.	or/1-19

#### Embase search terms

1.	quality adjusted life year/
2.	"quality of life index"/
3.	short form 12/ or short form 20/ or short form 36/ or short form 8/
4.	sickness impact profile/
5.	(quality adj2 (wellbeing or well-being)).ti,ab.
6.	sickness impact profile.ti,ab.
7.	disability adjusted life.ti,ab.
8.	(qal* or qtime* or qwb* or daly*).ti,ab.
9.	(euroqol* or eq5d* or eq 5d*).ti,ab.
10.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
11.	(health utility* or utility score* or disutilit*).ti,ab.
12.	(hui or hui1 or hui2 or hui3).ti,ab.
13.	health* year* equivalent*.ti,ab.
14.	(hye or hyes).ti,ab.
15.	rosser.ti,ab.
16.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
17.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
18.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
19.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
20.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
21.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
22.	or/1-21

## A.4 Searches for specific questions (clinical [C] and health economics [HE])

### A.4.1 Non-emergency phone access

- Does the addition of non-emergency telephone access to urgent or unscheduled care, to an emergency (e.g. 999/112) service, improve patient outcomes and reduce demand on health care services?

#### Medline search terms

1.	hotlines/
2.	telephone/
3.	((telephone* or phone or helpline* or hotline* or call centre*) adj1 (access or service* or system*)).ti,ab.
4.	(phoning or phones or phone-line or call or calls or calling or ring or ringing or dial or dials or dialling).ti,ab.
5.	or/1-4
6.	emergencies/ or triage/ or emergency medical services/ or emergency medical service communication systems/
7.	(emergency medical services or emergenc* care or urgent care or unscheduled care).ti,ab.
8.	or/6-7
9.	5 and 8
10.	("999" or "911" or "112" or "222").ti,ab.
11.	france/
12.	(france or french).ti,ab.
13.	(emergency medical care or emergency medical service* or emergency healthcare or emergency health care or urgent medical care).ti,ab.
14.	(or/11-12) and 13
15.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct).ti,ab.
16.	10 and 15
17.	9 and (10 or 14 or 15 or 16)
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language; Date parameters: Database start date – 01/12/2016 [C]
21.	Study filter ECON (A.3.4)
22.	19 and 21
23.	Limit 22 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	telephone/
2.	((telephone* or phone or hotline* or helpline* or call centre*) adj1 (access or service* or system*)).ti,ab.
3.	(phoning or phones or phone-line or call or calls or calling or ring or ringing or dial or dials or dialling).ti,ab.
4.	or/1-3
5.	emergency/ or emergency medical services/
6.	(emergency medical service* or emergenc* care or urgent care or unscheduled care).ti,ab.
7.	or/5-6

8.	4 and 7
9.	("999" or "911" or "112" or "222").ti,ab.
10.	france/
11.	(france or french).ti,ab.
12.	(emergency medical care or emergency medical service* or emergency healthcare or urgent healthcare or medical health care or urgent medical care).ti,ab.
13.	(or/10-11) and 12
14.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct).ti,ab.
15.	8 and (9 or 13 or 14)
16.	Excluded study designs and publication types [A.3.1]
17.	15 not 16
18.	Limit 17 to English language; Date parameters: Database start date – 01/12/2016 [C]
19.	Study filter ECON (A.3.4)
20.	17 and 19
21.	Limit 20 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	MeSH descriptor: [hotlines] this term only
#2.	(hotline* or helpline*):ti,ab
#3.	MeSH descriptor: [telephone] this term only
#4.	((telephone* or phone or hotline* or helpline* or call centre* or system*)):ti,ab
#5.	(phoning or phones or phone-line or call or calls or calling or ring or ringing or dial or dials or dialling):ti,ab
#6.	{or #1-#5}
#7.	MeSH descriptor: [emergencies] this term only
#8.	MeSH descriptor: [triage] this term only
#9.	MeSH descriptor: [emergency medical services] this term only
#10.	MeSH descriptor: [emergency medical service communication systems] this term only
#11.	(emergency medical service* or emergenc* care or urgent care or unscheduled care):ti,ab
#12.	{or #7-#11}
#13.	#6 and #12
#14.	("999" or "911" or "112" or "222"):ti,ab
#15.	MeSH descriptor: [france] this term only
#16.	(france or french):ti,ab
#17.	(emergency medical care or emergency medical service* or emergency healthcare or emergency health care or urgent medical care):ti,ab
#18.	{or #15-#16}
#19.	#17 and #18
#20.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct):ti,ab
#21.	{or #14, #19-#20}
#22.	#13 and #21 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	MeSH descriptor hotlines
#2.	MeSH descriptor telephone



#3.	((telephone* or phone or helpline* or hotline* or call centre*) adj1 (access or service* or system*))
#4.	(phoning or phones or phone-line or call or calls or calling or ring or ringing or dial or dials or dialling)
#5.	#1 or #2 or #3 or #4
#6.	MeSH descriptor emergencies
#7.	MeSH descriptor triage
#8.	MeSH descriptor emergency medical services
#9.	MeSH descriptor emergency medical service communication systems
#10.	(emergency medical services or emergenc* care or urgent care or unscheduled care)
#11.	#6 or #7 or #8 or #9 or #10
#12.	#5 and #11
#13.	("999" or "911" or "112" or "222")
#14.	MeSH descriptor france
#15.	(france or french)
#16.	#14 or #15
#17.	(emergency medical care or emergency medical service* or emergency healthcare or emergency health care or urgent medical care)
#18.	#16 and #17
#19.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct)
#20.	#13 or #18 or #19
#21.	#12 and #20
	Date parameters: 2005 – 01/12/2016 in HTA or NHSEED [HE]

#### A.4.2 Clinical call handlers

- Do non-clinical call handlers perform as effectively as clinical call handlers?

##### Medline search terms

1.	((clinical or non-clinical or non clinical or nonclinical or clinician* or non-clinician* or non clinician* or doctor* or physician* or nurs* or emergenc* or medic* or paramedic* or trained or untrained or un-trained) adj3 (dispatch* or call handler* or telecommunicator* or agent* or technician* or decision maker* or teleconsult* or operator*)).ti,ab.
2.	emergency medical service communication systems/
3.	emergency medical services/
4.	emergency responders/
5.	emergencies/
6.	(emergency adj2 (medical care or service* or responder* or communication* system*)).ti,ab.
7.	("999" or "911" or "112" or "111").ti,ab.
8.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct).ti,ab.
9.	triage/
10.	triage.ti,ab.
11.	or/2-10
12.	communication/
13.	telephone/
14.	hotlines/
15.	(telephone* or phone or hotline* or helpline* or call centre*).ti,ab.
16.	or/12-15

17.	1 and (11 or 16)
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language; Date parameters: Database start date – 01/12/2016 [C]
21.	Study filter ECON (A.3.4)
22.	19 and 21
23.	Limit 22 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	((clinical or non-clinical or non clinical or nonclinical or clinician* or non-clinician* or non clinician* or doctor* or physician* or nurs* or emergenc* or medic* or paramedic* or trained or untrained or un-trained) adj3 (dispatch* or call handler* or telecommunicator* or agent* or technician* or decision maker* or teleconsult* or operator*)):ti,ab.
2.	emergency health service/
3.	rescue personnel/
4.	emergency/
5.	(emergency adj2 (medical care or service* or responder* or communication* system*)):ti,ab.
6.	("999" or "911" or "112" or "111"):ti,ab.
7.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct):ti,ab.
8.	triage:ti,ab.
9.	or/2-8
10.	telephone/
11.	(telephone* or phone or hotline* or helpline* or call centre*):ti,ab.
12.	or/10-11
13.	1 and (9 or 12)
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language; Date parameters: Database start date – 01/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	((clinical or non-clinical or non clinical or nonclinical or clinician* or non-clinician* or non clinician* or doctor* or physician* or nurs* or emergenc* or medic* or paramedic* or trained or untrained or un-trained) near/3 (dispatch* or call handler* or telecommunicator* or agent* or technician* or decision maker* or teleconsult* or operator*)):ti,ab
#2.	MeSH descriptor: [emergency medical service communication systems] this term only
#3.	MeSH descriptor: [emergency medical services] this term only
#4.	MeSH descriptor: [emergency responders] this term only
#5.	MeSH descriptor: [emergencies] this term only
#6.	(emergency near/2 (medical care or service* or responder* or communication* system*)):ti,ab
#7.	("999" or "911" or "112" or "111"):ti,ab
#8.	(nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct):ti,ab
#9.	MeSH descriptor: [triage] this term only
#10.	triage:ti,ab
#11.	{or #2-#10}

#12.	MeSH descriptor: [communication] this term only
#13.	MeSH descriptor: [telephone] this term only
#14.	MeSH descriptor: [hotlines] this term only
#15.	(telephone* or phone or hotline* or helpline* or call centre*):ti,ab
#16.	{or #12-#15}
#17.	#11 or #16
#18.	#1 and #17 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((clinical or non-clinical or non clinical or nonclinical or clinician* or non-clinician* or non clinician* or doctor* or physician* or nurs* or emergenc* or medic* or paramedic* or trained or untrained or un-trained) adj3 (dispatch* or call handler* or telecommunicator* or agent* or technician* or decision maker* or teleconsult* or operator*))
#2.	MeSH descriptor emergency medical service communication systems
#3.	MeSH descriptor emergency medical services
#4.	MeSH descriptor emergency responders
#5.	MeSH descriptor emergencies
#6.	((emergency adj2 (medical care or service* or responder* or communication* system*)))
#7.	(("999" or "911" or "112" or "111"))
#8.	((nhs 111 or nhs111 or nhs24 or nhs 24 or nhs direct))
#9.	MeSH descriptor triage
#10.	(triage)
#11.	#2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10
#12.	MeSH descriptor communication
#13.	MeSH descriptor telephone
#14.	MeSH descriptor hotlines
#15.	((telephone* or phone or hotline* or helpline* or call centre*))
#16.	#12 or #13 or #14 or #15
#17.	#11 or #16
#18.	#1 and #17 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.3 Paramedic enhanced competencies

- Does enhancing the competencies of paramedics reduce ED demand, hospital admissions and improve patient outcomes?

#### Medline search terms

1.	emergency medical technicians/
2.	exp ambulances/
3.	ambulance*.ti,ab.
4.	paramedic*.ti,ab.
5.	first respon*.ti,ab.
6.	(emergenc* adj2 technician*).ti,ab.
7.	((emergency or ambulance or urgent) adj (care assistan* or support worker*)).ti,ab.
8.	or/1-7
9.	(emergency care adj2 practitioner*).ti,ab.

10.	((specialist* or senior* or expert* or critical care or urgent care or practitioner* or advanced or enhanced or community or consultant*) adj2 paramedic*).ti,ab.
11.	9 or 10
12.	exp professional role/
13.	((expand* or increas* or enhanc* or advanc*) adj2 (competen* or skill* or train* or educat* or experien*).ti,ab.
14.	or/12-13
15.	8 and 14
16.	((ambulance* or paramedic* or first respon* or (emergenc* adj2 technician*) or ((emergency or ambulance or urgent) adj (care assistan* or support worker*))) adj3 role*1).ti,ab.
17.	11 or 15 or 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language; Date parameters: Database start date – 01/12/2016 [C]
21.	Study filter ECON (A.3.4)
22.	19 and 21
23.	Limit 22 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	rescue personnel/
2.	exp ambulance/
3.	ambulance*.ti,ab.
4.	paramedic*.ti,ab.
5.	first respon*.ti,ab.
6.	(emergenc* adj2 technician*).ti,ab.
7.	((emergency or ambulance or urgent) adj (care assistan* or support worker*).ti,ab.
8.	or/1-7
9.	(emergency care adj2 practitioner*).ti,ab.
10.	((specialist* or senior* or expert* or critical care or urgent care or practitioner* or advanced or enhanced or community or consultant*) adj2 paramedic*).ti,ab.
11.	or/9-10
12.	exp *professional standard/
13.	((expand* or increas* or enhanc* or advanc*) adj2 (competen* or skill* or train* or educat* or experien*).ti,ab.
14.	or/12-13
15.	8 and 14
16.	((ambulance* or paramedic* or first respon* or (emergenc* adj2 technician*) or ((emergency or ambulance or urgent) adj (care assistan* or support worker*))) adj3 role*1).ti,ab.
17.	11 or 15 or 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language; Date parameters: Database start date – 01/12/2016 [C]
21.	Study filter ECON (A.3.4)
22.	19 and 21
23.	Limit 22 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	[mh "emergency medical technicians"]
#2.	[mh ambulances]
#3.	ambulance*:ti,ab
#4.	paramedic*:ti,ab
#5.	first respon*:ti,ab
#6.	(emergenc* near/2 technician*):ti,ab
#7.	((emergency or ambulance or urgent) near/2 (care assistan* or support worker*)):ti,ab
#8.	{or #1-#7}
#9.	(emergency care near/2 practitioner*):ti,ab
#10.	((specialist* or senior* or expert* or critical care or urgent care or practitioner* or advanced or enhanced or community or consultant*) near/2 paramedic*):ti,ab
#11.	#9 or #10
#12.	[mh "professional role"]
#13.	((expand* or increas* or enhanc* or advanc*) near/2 (competen* or skill* or train* or educat* or experien*)):ti,ab
#14.	#12 or #13
#15.	#8 and #14
#16.	((ambulance* or paramedic* or first respon* or (emergenc* near/2 technician*) or ((emergency or ambulance or urgent) near/2 (care assistan* or support worker*))) near/3 role*):ti,ab
#17.	#11 or #15 or #16 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor emergency medical technicians explode all trees
#2.	MeSH descriptor ambulances explode all trees
#3.	(ambulance* or paramedic* or first respon*)
#4.	((emergenc* adj2 technician*))
#5.	((((emergency or ambulance or urgent) adj (care assistan* or support worker*)))
#6.	#1 or #2 or #3 or #4 or #5
#7.	((emergency care adj2 practitioner*))
#8.	((((specialist* or senior* or expert* or critical care or urgent care or practitioner* or advanced or enhanced or community or consultant*) adj2 paramedic*))
#9.	#7 or #8
#10.	MeSH descriptor professional role explode all trees
#11.	((((expand* or increas* or enhanc* or advanc*) adj2 (competen* or skill* or train* or educat* or experien*)))
#12.	#10 or #11
#13.	#6 and #12
#14.	((((ambulance* or paramedic* or first respon* or (emergenc* adj2 technician*) or ((emergency or ambulance or urgent) adj (care assistan* or support worker*))) adj3 role*))
#15.	#9 or #13 or #14 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.4 Paramedic remote support

- Does the provision of immediate access by ambulance staff to clinical advice, using remote decision support reduce NHS resource usage and improve outcomes?

### Medline search terms

1.	emergency medical technicians/
2.	exp ambulances/
3.	ambulance*.ti,ab.
4.	paramedic*.ti,ab.
5.	first respon*.ti,ab.
6.	(emergenc* adj2 technician*).ti,ab.
7.	((emergency or ambulance or urgent) adj (care assistan* or support worker*)).ti,ab.
8.	or/1-7
9.	exp telemedicine/
10.	telenursing/
11.	(computer mediated therap* or ehealth* or e-health* or mhealth* or m-health* or mobile health* or mobile technolog* or phone* or remote care or remote consult* or remote medic* or remote technolog* or telecare* or tele-care* or telecommunication* or teleconference* or tele-conference* or teleconsult* or tele-consult* or telehealth* or tele-health* or telehomecare or tele-homecare or telemanagement or tele-management or telematic* or tele-matic* or telemedic* or tele-medic* or telemonitor* or tele-monitor* or telenurs* or tele-nurs* or telepharmacy or tele-pharmacy or telephone* or telerehab* or tele-rehab* or telesupport or tele-support or teletrauma* or tele-trauma* or videoconference* or video-conference*).ti,ab.
12.	or/9-11
13.	8 and 12
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language; Date parameters: Database start date – 01/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	rescue personnel/
2.	exp ambulance/
3.	ambulance*.ti,ab.
4.	paramedic*.ti,ab.
5.	first respon*.ti,ab.
6.	(emergenc* adj2 technician*).ti,ab.
7.	((emergency or ambulance or urgent) adj (care assistan* or support worker*)).ti,ab.
8.	or/1-7
9.	exp telehealth/
10.	(computer mediated therap* or ehealth* or e-health* or mhealth* or m-health* or mobile health* or mobile technolog* or phone* or remote care or remote consult* or remote medic* or remote technolog* or telecare* or tele-care* or telecommunication* or teleconference* or tele-conference* or teleconsult* or tele-consult* or telehealth* or tele-health* or telehomecare or tele-homecare or telemanagement or tele-management or telematic* or tele-matic* or telemedic* or tele-medic* or telemonitor* or tele-monitor* or telenurs* or tele-nurs* or telepharmacy or tele-pharmacy or telephone* or telerehab* or tele-rehab* or telesupport or tele-support or teletrauma* or tele-trauma* or videoconference* or video-conference*).ti,ab.
11.	or/9-10

12.	8 and 11
13.	Excluded study designs and publication types [A.3.1]
14.	12 not 13
15.	Limit 14 to English language; Date parameters: Database start date – 01/12/2016 [C]
16.	Study filter ECON (A.3.4)
17.	14 and 16
18.	Limit 17 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	[mh "emergency medical technicians"]
#2.	[mh ambulances]
#3.	ambulance*.ti,ab
#4.	paramedic*.ti,ab
#5.	first respon*.ti,ab
#6.	(emergenc* near/2 technician*):ti,ab
#7.	((emergency or ambulance or urgent) near/1 (care assistan* or support worker*)):ti,ab
#8.	{or #1-#7}
#9.	[mh telemedicine]
#10.	[mh telenursing]
#11.	(computer mediated therap* or ehealth* or e-health* or mhealth* or m-health* or mobile health* or mobile technolog* or phone* or remote care or remote consult* or remote medic* or remote technolog* or telecare* or tele-care* or telecommunication* or teleconference* or tele-conference* or teleconsult* or tele-consult* or telehealth* or tele-health* or telehomecare or tele-homecare or telemanagement or tele-management or telematic* or tele-matic* or telemedic* or tele-medic* or telemonitor* or tele-monitor* or telenurs* or tele-nurs* or telepharmacy or tele-pharmacy or telephone* or telerehab* or tele-rehab* or telesupport or tele-support or teletrauma* or tele-trauma* or videoconference* or video-conference*):ti,ab
#12.	{or #9-#11}
#13.	#8 and #12 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	MeSH descriptor emergency medical technicians
#2.	MeSH descriptor ambulances explode all trees
#3.	(ambulance* or paramedic* or first respon*)
#4.	(emergenc* adj2 technician*)
#5.	((emergency or ambulance or urgent) adj1 (care assistan* or support worker*))
#6.	#1 or #2 or #3 or #4 or #5
#7.	MeSH descriptor telemedicine explode all trees
#8.	MeSH descriptor telenursing
#9.	((computer mediated therap* or ehealth* or e-health* or mhealth* or m-health* or mobile health* or mobile technolog* or phone* or remote care or remote consult* or remote medic* or remote technolog* or telecare* or tele-care* or telecommunication* or teleconference* or tele-conference* or teleconsult* or tele-consult* or telehealth* or tele-health* or telehomecare or tele-homecare or telemanagement or tele-management or telematic* or tele-matic* or telemedic* or tele-medic* or telemonitor* or tele-monitor* or telenurs* or tele-nurs* or telepharmacy or tele-pharmacy or telephone* or telerehab* or tele-rehab* or telesupport or tele-support or teletrauma* or tele-trauma* or videoconference* or video-conference*))

#10.	#7 or #8 or #9
#11.	#6 and #10 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.5 GP extended hours

- Is urgent and/or routine extended access to usual GPs (e.g., evenings, 7 day) associated with improved outcomes?

##### Medline search terms

1.	exp general practitioners/
2.	exp physicians, primary care/
3.	exp physicians, family/
4.	exp family practice/
5.	exp general practice/
6.	primary health care/
7.	health services accessibility/
8.	exp "appointments and schedules"/
9.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp* surger* or primary care centre*).ti,ab.
10.	((primary or social or primary health) adj1 care).ti,ab.
11.	or/1-10
12.	after-hours care/
13.	((extend* or routine or standard) adj3 (open* hour* or access* or open* time* or availab*).ti,ab.
14.	((early morning* or evening* or weekend* or 7 day* or seven day* or 8 am-8 pm or same day) adj3 (appointment* or access or care)).ti,ab.
15.	((routine or non-urgent or urgent or emergency) adj2 appointment*).ti,ab.
16.	or/12-15
17.	11 and 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language; Date parameters: Database start date – 02/12/2016 [C]
21.	Study filter ECON (A.3.4)
22.	19 and 21
23.	Limit 22 to English language; Date parameters: 2005 – 02/12/2016 [HE]

##### Embase search terms

1.	exp general practitioners/
2.	exp general practice/
3.	primary health care/
4.	health care delivery/
5.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp surger* or primary care centre*).ti,ab.
6.	((primary or social or primary health) adj1 care).ti,ab.
7.	or/1-6
8.	((extend* or routine or standard) adj3 (open* hour* or access* or open* time* or availab*).ti,ab.



9.	((early morning or evening* or weekend* or 7 day* or seven day* or 8 am-8 pm or same day) adj3 (appointment* or access or care)).ti,ab.
10.	((routine or non-urgent or urgent or emergency) adj2 appointment*).ti,ab.
11.	or/8-10
12.	7 and 11
13.	Excluded study designs and publication types [A.3.1]
14.	12 not 13
15.	Limit 14 to English language; Date parameters: Database start date – 02/12/2016 [C]
16.	Study filter ECON (A.3.4)
17.	14 and 16
18.	Limit 17 to English language; Date parameters: 2005 – 02/12/2016 [HE]

### Cochrane search terms

#1.	MeSH descriptor: [general practitioners] explode all trees
#2.	MeSH descriptor: [physicians, primary care] explode all trees
#3.	MeSH descriptor: [physicians, family] explode all trees
#4.	MeSH descriptor: [family practice] explode all trees
#5.	MeSH descriptor: [general practice] explode all trees
#6.	MeSH descriptor: [primary health care] this term only
#7.	MeSH descriptor: [health services accessibility] this term only
#8.	MeSH descriptor: [appointments and schedules] explode all trees
#9.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp surgeon*).ti,ab
#10.	((primary or social or primary health) next/1 care).ti,ab
#11.	{or #1-#10}
#12.	MeSH descriptor: [after-hours care] this term only
#13.	((extend* or routine or standard) near/3 (open* hour* or access* or open* time* or availab*)):ti,ab
#14.	((early morning* or evening* or weekend* or 7 day* or seven day* or 8 am-8 pm or same day) near/3 (appointment* or access or care)):ti,ab
#15.	((routine or non-urgent or urgent or emergency) near/2 appointment*).ti,ab
#16.	{or #12-#15}
#17.	#11 and #16 [C]
	Date parameters: Database start date – 02/12/2016

### CRD search terms

#1.	MeSH descriptor general practitioners explode all trees
#2.	MeSH descriptor physicians, primary care
#3.	MeSH descriptor physicians, family
#4.	MeSH descriptor family practice
#5.	MeSH descriptor general practice explode all trees
#6.	MeSH descriptor primary health care
#7.	MeSH descriptor health services accessibility
#8.	MeSH descriptor appointments and schedules explode all trees
#9.	((family practi* or family doctor* or family physician* or gp* or general practi* or gp* surgeon* or primary care centre*))
#10.	((primary or social or primary health) adj1 care))

#11.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10
#12.	MeSH descriptor after-hours care
#13.	((extend* or routine or standard) adj3 (open* hour* or access* or open* time* or availab*))
#14.	((early morning* or evening* or weekend* or 7 day* or seven day* or 8 am-8 pm or same day) adj3 (appointment* or access or care))
#15.	((routine or non-urgent or urgent or emergency) adj2 appointment*)
#16.	#12 or #13 or #14 or #15
#17.	#11 and #16 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.6 GP led home visits

- Do primary care led home visits reduce unplanned hospital admissions?

##### Medline search terms

1.	exp general practitioners/
2.	physicians, primary care/
3.	physicians, family/
4.	family practice/
5.	exp general practice/
6.	primary health care/
7.	health services accessibility/
8.	nurse practitioners/
9.	nurses, community health/
10.	physician's practice patterns/
11.	after-hours care/
12.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp surger*).ti,ab.
13.	((primary or social or primary health or after-hours) adj1 care).ti,ab.
14.	(anp or nurse practioner* or community nurse*).ti,ab.
15.	or/1-14
16.	house calls/
17.	((home or house) adj2 (visit* or call* or appointment*)).ti,ab.
18.	16 or 17
19.	15 and 18
20.	Excluded study designs and publication types [A.3.1]
21.	19 not 20
22.	Limit 21 to English language
23.	Study filter ECON (A.3.4)
24.	22 [C]
25.	22 and 23 [HE]
	Date parameters: 2005 – 02/12/2016

##### Embase search terms

1.	exp general practitioners/
2.	exp general practice/
3.	primary health care/
4.	*health care delivery/

5.	advanced practice nurse/
6.	nurse practitioner/
7.	*professional practice/
8.	*clinical practice/
9.	(family practi* or family doctor* or family physician* or gp* or general practi*).ti,ab.
10.	((primary or social or after-hour*) adj1 care).ti,ab.
11.	or/1-10
12.	((home or house) adj1 (visit* or call* or appointment*)).ti,ab.
13.	11 and 12
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language
17.	Study filter ECON (A.3.4)
18.	16 [C]
19.	16 and 17 [HE]
	Date parameters: 2005 – 02/12/2016

#### Cochrane search terms

#1.	MeSH descriptor: [general practitioners] explode all trees
#2.	MeSH descriptor: [physicians, primary care] explode all trees
#3.	MeSH descriptor: [physicians, family] explode all trees
#4.	MeSH descriptor: [family practice] explode all trees
#5.	MeSH descriptor: [general practice] explode all trees
#6.	MeSH descriptor: [primary health care] this term only
#7.	MeSH descriptor: [health services accessibility] this term only
#8.	MeSH descriptor: [nurse practitioners] this term only
#9.	MeSH descriptor: [nurses, community health] this term only
#10.	MeSH descriptor: [physician's practice patterns] this term only
#11.	MeSH descriptor: [after-hours care] this term only
#12.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp surger*):ti,ab
#13.	((primary or social or primary health or after-hours) next/1 care):ti,ab
#14.	(anp or nurse practioner* or community nurse*):ti,ab
#15.	{or #1-#14}
#16.	MeSH descriptor: [house calls] this term only
#17.	((home or house) near/2 (visit* or call* or appointment*)):ti,ab
#18.	#16 or #17
#19.	#15 and #18 [C]
	Date parameters: 2005 – 02/12/2016

#### CRD search terms

#1.	MeSH descriptor general practitioners explode all trees
#2.	MeSH descriptor physicians, primary care
#3.	MeSH descriptor physicians, family
#4.	MeSH descriptor family practice
#5.	MeSH descriptor general practice explode all trees

#6.	MeSH descriptor primary health care
#7.	MeSH descriptor health services accessibility
#8.	MeSH descriptor nurse practitioners
#9.	MeSH descriptor nurses, community health
#10.	MeSH descriptor after-hours care
#11.	(MeSH descriptor physician's practice patterns)
#12.	(family practi* or family doctor* or family physician* or gp* or general practi* or gp surger*)
#13.	((primary or social or primary health or after-hours) adj1 care))
#14.	(anp or nurse practioner* or community nurse*)
#15.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14
#16.	MeSH descriptor house calls
#17.	((home or house) adj2 (visit* or call* or appointment*))
#18.	#16 or #17
#19.	#15 and #18 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.7 GP access to lab tests

- Does primary care access to laboratory investigations with same day results improve outcomes?

##### Medline search terms

1.	phlebotomy/
2.	hematologic tests/
3.	exp blood cell count/
4.	exp kidney function tests/
5.	liver function tests/
6.	c-reactive protein/
7.	exp *natriuretic peptides/
8.	(natriuretic adj2 (peptide* or factor*)).ti,ab.
9.	(bnp or anp or pro-bnp or pro-anp or pro bnp or pro anp).ti,ab.
10.	(c-reactive protein* or crp).ti,ab.
11.	(blood adj2 (count* or test* or number*)).ti,ab.
12.	phlebotomy.ti,ab.
13.	((liver or kidney* or renal) adj3 test*).ti,ab.
14.	or/1-13
15.	exp primary health care/
16.	exp physician's practice patterns/
17.	exp family practice/
18.	exp physicians, primary care/
19.	exp general practice/
20.	exp physicians, family/
21.	exp general practitioners/
22.	exp "referral and consultation"/
23.	((primary or communit*) adj5 care).ti,ab.
24.	(family practi* or family doctor* or family physician* or gp* or general practi*).ti,ab.
25.	exp outpatient clinics, hospital/
26.	exp ambulatory care/

27.	exp community health services/ or exp community health centers/
28.	or/15-27
29.	((prompt* or hour* or rapid* or early or earlier or time* or timing or late or later or delay* or day or within) adj2 (result or results)).ti,ab.
30.	point of care.ti,ab.
31.	near patient test*.ti,ab.
32.	bedside test*.ti,ab.
33.	(rapid adj2 (test* or diagnos*)).ti,ab.
34.	point-of-care systems/
35.	clinical laboratory techniques/
36.	(laborator* adj2 (diagnos* or test*)).ti,ab.
37.	or/29-36
38.	14 and 28 and 37
39.	Excluded study designs and publication types [A.3.1]
40.	38 not 39
41.	Limit 40 to English language; Date parameters: Database start date – 01/12/2016 [C]
42.	Study filter ECON (A.3.4)
43.	40 and 42
44.	Limit 43 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	*phlebotomy/
2.	exp *blood examination/
3.	exp *blood cell count/
4.	*kidney function test/
5.	*liver function test/
6.	*c reactive protein/
7.	exp *natriuretic factor/
8.	(natriuretic adj2 (peptide* or factor*)).ti,ab.
9.	(bnp or anp or pro-bnp or pro-anp or pro bnp or pro anp).ti,ab.
10.	(c-reactive protein* or crp).ti,ab.
11.	(blood adj2 (count* or test* or number*)).ti,ab.
12.	phlebotomy.ti,ab.
13.	((liver or kidney* or renal) adj3 test*).ti,ab.
14.	or/1-13
15.	exp primary health care/
16.	exp professional practice/
17.	exp clinical practice/
18.	exp general practice/
19.	general practitioner/
20.	patient referral/
21.	((primary or communit*) adj5 care).ti,ab.
22.	(family practi* or family doctor* or family physician* or gp* or general practi*).ti,ab.
23.	exp outpatient department/
24.	exp ambulatory care/
25.	exp community care/

26.	health center/
27.	or/15-26
28.	14 and 27
29.	((prompt* or hour* or rapid* or early or earlier or time* or timing or late or later or delay* or day or within) adj2 (result or results)).ti,ab.
30.	point of care.ti,ab.
31.	near patient test*.ti,ab.
32.	bedside test*.ti,ab.
33.	(rapid adj2 (test* or diagnos*)).ti,ab.
34.	*hospital information system/
35.	*diagnostic procedure/
36.	(laborator* adj2 (diagnos* or test*)).ti,ab.
37.	or/29-36
38.	28 and 37
39.	Excluded study designs and publication types [A.3.1]
40.	38 not 39
41.	Limit 40 to English language; Date parameters: Database start date – 01/12/2016 [C]
42.	Study filter ECON (A.3.4)
43.	40 and 42
44.	Limit 43 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	[mh phlebotomy]
#2.	[mh ^"hematologic tests"]
#3.	[mh "blood cell count"]
#4.	[mh "kidney function tests"]
#5.	[mh "liver function tests"]
#6.	[mh "c-reactive protein"]
#7.	[mh "natriuretic peptides"]
#8.	(natriuretic near/2 (peptide* or factor*)):ti,ab
#9.	(bnp or anp or pro-bnp or pro-anp or pro bnp or pro anp):ti,ab
#10.	(c-reactive protein* or crp):ti,ab
#11.	(blood near/2 (count* or test* or number*)):ti,ab
#12.	phlebotomy:ti,ab
#13.	((liver or kidney* or renal) near/3 test*):ti,ab
#14.	{or #1-#13}
#15.	[mh "primary health care"]
#16.	[mh "physician's practice patterns"]
#17.	[mh "family practice"]
#18.	[mh "physicians, primary care"]
#19.	[mh "general practice"]
#20.	[mh "physicians, family"]
#21.	[mh "general practitioners"]
#22.	[mh "referral and consultation"]
#23.	((primary or communit*) near/5 care):ti,ab
#24.	(family practi* or family doctor* or family physician* or gp* or general practi*):ti,ab

#25.	[mh "outpatient clinics, hospital"]
#26.	[mh "ambulatory care"]
#27.	[mh "community health services"]
#28.	[mh "community health centers"]
#29.	{or #14-#28}
#30.	((prompt* or hour* or rapid* or early or earlier or time* or timing or late or later or delay* or day or within) near/2 (result or results)):ti,ab
#31.	point of care:ti,ab
#32.	near patient test*:ti,ab
#33.	bedside test*:ti,ab
#34.	(rapid near/2 (test* or diagnos*)):ti,ab
#35.	[mh "point-of-care systems"]
#36.	[mh ^"clinical laboratory techniques"]
#37.	(laborator* near/2 (diagnos* or test*)):ti,ab
#38.	{or #30-#37}
#39.	#14 and #29 and #38 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor phlebotomy explode all trees
#2.	MeSH descriptor hematologic tests explode all trees
#3.	MeSH descriptor blood cell count explode all trees
#4.	MeSH descriptor kidney function tests explode all trees
#5.	MeSH descriptor liver function tests explode all trees
#6.	MeSH descriptor c-reactive protein explode all trees
#7.	MeSH descriptor natriuretic peptides explode all trees
#8.	((natriuretic adj2 (peptide* or factor*)))
#9.	((bnp or anp or pro-bnp or pro-anp or pro bnp or pro anp))
#10.	((c-reactive protein* or crp))
#11.	((blood adj2 (count* or test* or number*)))
#12.	(phlebotomy)
#13.	((liver or kidney* or renal) adj3 test*)
#14.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13
#15.	MeSH descriptor primary health care explode all trees
#16.	MeSH descriptor physician's practice patterns explode all trees
#17.	MeSH descriptor family practice explode all trees
#18.	MeSH descriptor physicians, primary care explode all trees
#19.	MeSH descriptor general practice explode all trees
#20.	MeSH descriptor general practitioners explode all trees
#21.	MeSH descriptor physicians, family explode all trees
#22.	MeSH descriptor referral and consultation explode all trees
#23.	((primary or communit*) adj5 care))
#24.	((family practi* or family doctor* or family physician* or gp* or general practi*))
#25.	MeSH descriptor outpatient clinics, hospital explode all trees
#26.	MeSH descriptor ambulatory care explode all trees
#27.	MeSH descriptor community health services explode all trees

#28.	MeSH descriptor community health centers explode all trees
#29.	#15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28
#30.	((prompt* or hour* or rapid* or early or earlier or time* or timing or late or later or delay* or day or within) adj2 (result or results)))
#31.	("point of care")
#32.	(patient test*)
#33.	(bedside test*)
#34.	((rapid adj2 (test* or diagnos*)))
#35.	MeSH descriptor point-of-care systems explode all trees
#36.	MeSH descriptor clinical laboratory techniques explode all trees
#37.	((laborator* adj2 (diagnos* or test*)))
#38.	#30 or #31 or #32 or #33 or #34 or #35 or #36 or #37
#39.	#14 and #29 and #38 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.8 GP access to radiology

- Does GP access to radiology with same day results improve outcomes?

##### Medline search terms

1.	((family practi* or family doctor* or family physician* or GP or GPs or general practi* or ((primary or communit*) adj2 care)) adj5 (imag* or radiogra* or radiolog* or X-ray* or Xray* or MRI or magnetic resonance or NMR or tomogra* or echogra* or echotomogra* or sonograph* or ultrasound or ultrasonogra* or scintigra* or scintiscan* or radioscintigra* or scintiphotogra* or CT or CAT or CXR*)).ti,ab.
2.	Excluded study designs and publication types [A.3.1]
3.	1 not 2
4.	Limit 3 to English language; Date parameters: Database start date – 01/12/2016 [C]
5.	Study filter ECON (A.3.4)
6.	3 and 5
7.	Limit 6 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### Embase search terms

1.	((family practi* or family doctor* or family physician* or GP or GPs or general practi* or ((primary or communit*) adj2 care)) adj5 (imag* or radiogra* or radiolog* or X-ray* or Xray* or MRI or magnetic resonance or NMR or tomogra* or echogra* or echotomogra* or sonograph* or ultrasound or ultrasonogra* or scintigra* or scintiscan* or radioscintigra* or scintiphotogra* or CT or CAT or CXR*)).ti,ab.
2.	Excluded study designs and publication types [A.3.1]
3.	1 not 2
4.	Limit 3 to English language; Date parameters: Database start date – 01/12/2016 [C]
5.	Study filter ECON (A.3.4)
6.	3 and 5
7.	Limit 6 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### Cochrane search terms

#1.	((family practi* or family doctor* or family physician* or GP or GPs or general practi* or ((primary or communit*) near/2 care)) near/5 (imag* or radiogra* or radiolog* or X-ray* or Xray* or MRI or magnetic resonance or NMR or tomogra* or echogra* or echotomogra* or sonograph* or ultrasound or ultrasonogra* or scintigra* or scintiscan* or radioscintigra* or
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	scintiphotogra* or CT or CAT or CXR*)):ti,ab [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((family practi* or family doctor* or family physician* or GP or GPs or general practi* or ((primary or communit*) adj2 care)) ADJ5 (imag* or radiogra* or radiolog* or X-ray* or Xray* or MRI or magnetic resonance or NMR or tomogra* or echogra* or echotomogra* or sonograph* or ultrasound or ultrasonogra* or scintigra* or scintiscan* or radioscintigra* or scintiphotogra* or CT or CAT or CXR*)) in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.9 Community nursing access

- Is extended access to community nursing/district nursing more clinically and cost effective than standard access?

#### Medline search terms

1.	((district or community) adj3 nurs*).ti,ab.
2.	practice nurs*.ti,ab.
3.	community health nursing/
4.	nurses, community health/
5.	or/1-4
6.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
7.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
8.	after-hours care/
9.	workload/
10.	or/6-9
11.	5 and 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language
15.	Study filter ECON (A.3.4)
16.	14 [C]
17.	14 and 15 [HE]
	Date parameters: 2005 – 02/12/2016

#### Embase search terms

1.	community health nursing/
2.	((district or community) adj3 nurs*).ti,ab.
3.	practice nurs*.ti,ab.
4.	or/1-3
5.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
6.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or Monday-Friday or Saturday or Sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.

7.	workload/
8.	or/5-7
9.	4 and 8
10.	or/11-13
11.	Excluded study designs and publication types [A.3.1]
12.	10 not 11
13.	Limit 12 to English language
14.	Study filter ECON (A.3.4)
15.	13 [C]
16.	13 and 14 [HE]
	Date parameters: 2005 – 02/12/2016

#### CINAHL search terms

S1.	((district or community) n3 nurs*)
S2.	practice nurs*
S3.	(MH "community health nursing")
S4.	S1 or S2 or S3
S5.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) n3 (service* or access* or availab* or hour* or appointment*))
S6.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) n3 (service* or access* or availab* or hour* or appointment*))
S7.	(MH "workload")
S8.	S5 or S6 or S7
S9.	S4 and S8
S10.	Limit S9 to English language [C]
	Date parameters: 2005 – 02/12/2016

#### Cochrane search terms

#1.	((district or community) near/3 nurs*):ti,ab
#2.	practice nurs*:ti,ab
#3.	MeSH descriptor: [community health nursing] this term only
#4.	MeSH descriptor: [nurses, community health] this term only
#5.	{or #1-#4}
#6.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab
#7.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab
#8.	MeSH descriptor: [after-hours care] this term only
#9.	MeSH descriptor: [workload] this term only
#10.	{or #6-#9}
#11.	#5 and #10 [C]
	Date parameters: 2005 – 02/12/2016

#### CRD search terms

#1.	((district or community) adj3 (nurs* or matron*))
#2.	(practice nurs*)
#3.	MeSH descriptor community health nursing
#4.	MeSH descriptor nurses, community health
#5.	#1 or #2 or #3 or #4
#6.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*))
#7.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) adj3 (service* or access* or availab* or hour* or appointment*))
#8.	MeSH descriptor after-hours care
#9.	MeSH descriptor workload
#10.	#6 or #7 or #8 or #9
#11.	#5 and #10 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.10 Matron-Nurse led care

- Does community matron or nurse-led care improve outcomes compared to usual care?

##### Medline search terms

1.	((district or community or public health) adj3 (nurs* or matron*)).ti,ab.
2.	((practice or registered or home) adj nurs*).ti,ab.
3.	(nurs* adj4 (home-visit* or home visit* or home-based or home based)).ti,ab.
4.	(visit* adj2 home adj3 nurs*).ti,ab.
5.	community health nursing/
6.	nurses, community health/
7.	or/1-6
8.	patient admission/
9.	patient readmission/
10.	case management/
11.	(case manag* or patient* manag* or caseload* or workload* or case load or work load).ti,ab.
12.	((nurs* or matron*) adj (led or lead*)).ti,ab.
13.	((admission* or readmission* or admit*) adj3 (reduc* or avoid* or increase* or risk* or prevent*)).ti,ab.
14.	(hospitali#ation* adj3 (reduc* or avoid* or prevent*)).ti,ab.
15.	individual* care plan*.ti,ab.
16.	or/8-15
17.	7 and 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language
21.	Study filters RCT (A.3.2) or SR (A.3.3)
22.	Study filter ECON (A.3.4)
23.	20 and 21; Date parameters: Database start date – 02/12/2016 [C]
24.	20 and 22; Date parameters: 2005 – 02/12/2016 [HE]

### Embase search terms

1.	*community health nursing/
2.	((district or community or public health) adj3 (nurs* or matron*)).ti,ab.
3.	((practice or registered or home) adj nurs*).ti,ab.
4.	(nurs* adj4 (home-visit* or home visit* or home-based or home based)).ti,ab.
5.	(visit* adj2 home adj3 nurs*).ti,ab.
6.	or/1-5
7.	hospital admission/
8.	hospital readmission/
9.	case management/
10.	(case manag* or patient* manag* caseload* or workload* or case load or work load).ti,ab.
11.	((nurs* or matron*) adj (led or lead*)).ti,ab.
12.	((admission* or readmission* or admit*) adj3 (reduc* or avoid* or increase* or risk* or prevent*)).ti,ab.
13.	(hospitali#ation* adj3 (reduc* or avoid* or prevent*)).ti,ab.
14.	individual* care plan*.ti,ab.
15.	or/7-14
16.	6 and 15
17.	Excluded study designs and publication types [A.3.1]
18.	16 not 17
19.	Limit 18 to English language
20.	Study filters RCT (A.3.2) or SR (A.3.3)
21.	Study filter ECON (A.3.4)
22.	19 and 20; Date parameters: Database start date – 02/12/2016 [C]
23.	19 and 21; Date parameters: 2005 – 02/12/2016 [HE]

### CINAHL search terms

S1.	((district or community or public health) n3 (nurs* or matron*))
S2.	(practice or registered or home) n1 nurs*)
S3.	(nurs* n4 (home-visit* or home visit* or home-based or home based))
S4.	(visit* n2 home n3 nurs*)
S5.	(mh "community health nursing")
S6.	(mh "office nursing")
S7.	S1 or S2 or S3 or S4 or S5 or S6
S8.	(mh "patient admission")
S9.	(mh "readmission")
S10.	(mh "case management")
S11.	(nurs* or matron*) n1 (led or lead*)
S12.	(case manag* or patient* manag* or caseload* or workload* or case load or work load)
S13.	(admission* or readmission* or admit*) n3 (reduc* or avoid* or increase* or risk* or prevent*)
S14.	(hospitali#ation* n3 (reduc* or avoid* or prevent*))
S15.	individual* care plan*
S16.	S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15
S17.	S7 and S16
S18.	Excluded study designs and publication types [A.3.1]
S19.	S17 not S18

S20.	Limit S19 to English language
S21.	pt meta analysis or pt meta synthesis or pt nursing interventions or pt randomized controlled trial or pt review or pt systematic review
S22.	S20 and S21 [C]
	Date parameters: Database start date – 02/12/2016

### Cochrane search terms

#1.	((district or community or public health) near/3 (nurs* or matron*)):ti,ab
#2.	((practice or registered or home) next nurs*):ti,ab
#3.	(nurs* near/4 (home-visit* or home visit* or home-based or home based)):ti,ab
#4.	(visit* near/2 home near/3 nurs*):ti,ab
#5.	[mh "community health nursing"]
#6.	[mh "nurses, community health"]
#7.	{or #1-#6}
#8.	[mh "patient admission"]
#9.	[mh "patient readmission"]
#10.	[mh "case management"]
#11.	(case manag* or patient* manag* or caseload* or workload* or case load or work load):ti,ab
#12.	((nurs* or matron*) next (led or lead*)):ti,ab
#13.	((admission* or readmission* or admit*) near/3 (reduc* or avoid* or increase* or risk* or prevent*)):ti,ab
#14.	(hospitali* near/3 (reduc* or avoid* or prevent*)):ti,ab
#15.	(individual* care plan*):ti,ab
#16.	{or #8-#15}
#17.	#7 and #16 [C]
	Date parameters: Database start date – 02/12/2016

### CRD search terms

#1.	(((district or community or public health) adj3 (nurs* or matron*)))
#2.	(((practice or registered or home) adj nurs*))
#3.	((nurs* adj4 (home-visit* or home visit* or home-based or home based)))
#4.	((visit* adj2 home adj3 nurs*))
#5.	MeSH descriptor community health nursing
#6.	MeSH descriptor nurses, community health
#7.	#1 or #2 or #3 or #4 or #5 or #6
#8.	MeSH descriptor patient admission
#9.	MeSH descriptor patient readmission
#10.	MeSH descriptor case management
#11.	((case manag* or patient* manag* or caseload* or workload* or case load or work load))
#12.	(((nurs* or matron*) adj (led or lead*)))
#13.	(((admission* or readmission* or admit*) adj3 (reduc* or avoid* or increase* or risk* or prevent*)))
#14.	((hospitali#ation* adj3 (reduc* or avoid* or prevent*)))
#15.	(individual* care plan*)
#16.	#8 or #9 or #10 or #11 or #12 or #13 or #14 or #15
#17.	#7 and #16 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.11 Community pharmacists

- Do enhanced roles of pharmacists in the community have clinical and cost-effectiveness benefits?

##### Medline search terms

1.	((medicine* or medication*) adj "use" adj (review* or service*)).ti,ab.
2.	prescription intervention*.ti,ab.
3.	(new adj (medicine* or medication*) adj service*).ti,ab.
4.	("appliance use" adj (review* or service*)).ti,ab.
5.	((pharmac* adj2 special* interest*) or phwsi).ti,ab.
6.	*community pharmacy services/
7.	(community adj pharmacist*).ti,ab.
8.	or/1-7
9.	community pharmacy services/
10.	pharmacy/
11.	pharmacists/
12.	(pharmacy or pharmacies or pharmacist*).ti,ab.
13.	pharmaceutical services/ or medication therapy management/
14.	(pharmaceutical adj2 (service* or care)).ti,ab.
15.	or/10-14
16.	outpatients/
17.	exp ambulatory care facilities/
18.	ambulatory care/
19.	primary health care/
20.	exp general practice/
21.	exp community health services/ or exp community health centers/
22.	(outpatient* or out-patient* or clinic or clinics or ambulatory or communit* or primary care or general practice).ti,ab.
23.	or/16-22
24.	9 or (15 and 23)
25.	((independent* or supplement*) adj2 prescri*).ti,ab.
26.	minor ailment*.ti,ab.
27.	((drug or medicine* or medication*) adj2 (review* or manage*)).ti,ab.
28.	(consultant* adj2 pharmacist*).ti,ab.
29.	(advance* adj2 practitioner*).ti,ab.
30.	((chronic or long-term) adj2 (disease* or condition*)).ti,ab.
31.	(advance* adj2 (service* or pharmac* practice*)).ti,ab.
32.	chronic disease/
33.	(asthma or coagulation or diabetes or cardio* or hypertens* or copd or respiratory*).ti,ab.
34.	(prescri* adj1 advi*).ti,ab.
35.	(disease* adj2 manage*).ti,ab.
36.	prescriptions/
37.	pincer.ti,ab.
38.	pharmacist-led.ti,ab.
39.	or/25-38
40.	24 and 39
41.	8 or 40

42.	Excluded study designs and publication types [A.3.1]
43.	41 not 42
44.	Limit 43 to English language
45.	Study filters RCT (A.3.2) or SR (A.3.3)
46.	Study filter ECON (A.3.4)
47.	44 and 45; Date parameters: Database start date – 01/12/2016 [C]
48.	44 and 46; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	((medicine* or medication*) adj "use" adj (review* or service*)).ti,ab.
2.	prescription intervention*.ti,ab.
3.	(new adj (medicine* or medication*) adj service*).ti,ab.
4.	("appliance use" adj (review* or service*)).ti,ab.
5.	((pharmac* adj2 special* interest*) or phwsi).ti,ab.
6.	(community adj pharmacist*).ti,ab.
7.	or/1-6
8.	*pharmacist/
9.	*clinical pharmacy/
10.	*pharmacy/
11.	*pharmaceutical care/
12.	*medication therapy management/
13.	(pharmacy or pharmacies or pharmacist*).ti,ab.
14.	(pharmaceutical adj2 (service* or care)).ti,ab.
15.	or/8-14
16.	exp outpatient department/
17.	exp ambulatory care/
18.	exp community care/
19.	outpatient/
20.	exp primary health care/
21.	general practice/
22.	(outpatient* or out-patient* or clinic or clinics or ambulatory or communit* or primary care or general practice).ti,ab.
23.	or/16-22
24.	15 and 23
25.	((independent* or supplement*) adj2 prescri*).ti,ab.
26.	minor ailment*.ti,ab.
27.	((drug or medicine* or medication*) adj2 (review* or manage*)).ti,ab.
28.	(consultant* adj2 pharmacist*).ti,ab.
29.	(advance* adj2 practitioner*).ti,ab.
30.	((chronic or long-term) adj2 (disease* or condition*)).ti,ab.
31.	(advance* adj2 (service* or pharmac* practice*)).ti,ab.
32.	*chronic disease/
33.	(asthma or coagulation or diabetes or cardio* or hypertens* or copd or respiratory*).ti,ab.
34.	(prescri* adj1 advi*).ti,ab.
35.	(disease* adj2 manage*).ti,ab.
36.	*disease management/

37.	*prescription/
38.	pincer.ti,ab.
39.	pharmacist-led.ti,ab.
40.	or/25-39
41.	24 and 40
42.	7 or 41
43.	Excluded study designs and publication types [A.3.1]
44.	42 not 43
45.	Limit 44 to English language
46.	Study filters RCT (A.3.2) or SR (A.3.3)
47.	Study filter ECON (A.3.4)
48.	45 and 46; Date parameters: Database start date – 01/12/2016 [C]
49.	45 and 47; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	((medicine* or medication*) next use next (review* or service*)):ti,ab
#2.	prescription next intervention*:ti,ab
#3.	(new next (medicine* or medication*) next service*):ti,ab
#4.	("appliance use" next (review* or service*)):ti,ab
#5.	((pharmac* near/2 special* next interest*) or phwsi):ti,ab
#6.	[mh ^"community pharmacy services"]
#7.	(community next pharmacist*):ti,ab
#8.	{or #1-#7}
#9.	[mh ^pharmacy]
#10.	[mh ^pharmacists]
#11.	(pharmacy or pharmacies or pharmacist*):ti,ab
#12.	[mh ^"pharmaceutical services"]
#13.	[mh ^"medication therapy management"]
#14.	(pharmaceutical near/2 (service* or care)):ti,ab
#15.	{or #9-#14}
#16.	[mh ^outpatients]
#17.	[mh ^"ambulatory care"]
#18.	[mh "ambulatory care facilities"]
#19.	[mh ^"primary health care"]
#20.	[mh "general practice"]
#21.	[mh "community health services"]
#22.	[mh "community health centers"]
#23.	(outpatient* or out-patient* or clinic or clinics or ambulatory or communit* or "primary care" or "general practice"):ti,ab
#24.	{or #16-#23}
#25.	#15 and #24
#26.	((independent* or supplement*) near/2 prescri*):ti,ab
#27.	(minor next ailment*):ti,ab
#28.	((drug or medicine* or medication*) near/2 (review* or manage*)):ti,ab
#29.	(consultant* near/2 pharmacist*):ti,ab
#30.	(advance* near/2 practitioner*):ti,ab



#31.	((chronic or long-term or "long term") next/2 (disease* or condition*)):ti,ab
#32.	(advance* near/2 (service* or pharmac* next practice*)):ti,ab
#33.	[mh ^"chronic disease"]
#34.	((asthma or coagulation or diabetes or cardio* or hypertens* or copd or respiratory*) near/3 clinic*):ti,ab
#35.	(prescri* near/1 advi*):ti,ab
#36.	(disease* near/2 manage*):ti,ab
#37.	[mh ^prescriptions]
#38.	pincer:ti,ab
#39.	(pharmacist-led or "pharmacist led"):ti,ab
#40.	{or #26-#39}
#41.	#25 and #40
#42.	#8 or #41 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	(((medicine* or medication*) adj "use" adj (review* or service*)))
#2.	(prescription intervention*)
#3.	((new adj (medicine* or medication*) adj service*))
#4.	((("appliance use" adj (review* or service*)))
#5.	(((pharmac* adj2 special* interest*) or phwsi))
#6.	MeSH descriptor community pharmacy services
#7.	(((independent* or supplement*) adj2 prescri*))
#8.	((consultant* adj2 pharmacist*))
#9.	((advance* adj2 practitioner*))
#10.	((prescri* adj1 advi*))
#11.	(pharmacist-led or pharmacist led)
#12.	(community adj pharmacist*)
#13.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12
#14.	MeSH descriptor pharmacy
#15.	MeSH descriptor pharmacists
#16.	(pharmacy or pharmacies or pharmacist*)
#17.	MeSH descriptor pharmaceutical services
#18.	MeSH descriptor medication therapy management
#19.	((pharmaceutical adj2 (service* or care)))
#20.	#14 or #15 or #16 or #17 or #18 or #19
#21.	MeSH descriptor outpatients
#22.	MeSH descriptor ambulatory care facilities explode all trees
#23.	MeSH descriptor ambulatory care
#24.	MeSH descriptor primary health care
#25.	MeSH descriptor general practice explode all trees
#26.	MeSH descriptor community health services explode all trees
#27.	MeSH descriptor community health centers explode all trees
#28.	(outpatient* or out-patient* or clinic or clinics or ambulatory or communit* or primary care or general practice)
#29.	#21 or #22 or #23 or #24 or #25 or #26 or #27 or #28

#30.	#20 and #29
#31.	(minor ailment*)
#32.	(((drug or medicine* or medication*) adj2 (review* or manage*)))
#33.	(((chronic or long-term) adj2 (disease* or condition*)))
#34.	((advance* adj2 (service* or pharmac* practice*)))
#35.	MeSH descriptor chronic disease
#36.	((disease* adj2 manage*))
#37.	MeSH descriptor prescriptions
#38.	(pincer)
#39.	(asthma or coagulation or diabetes or cardio* or hypertens* or copd or respiratory*)
#40.	#31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39
#41.	#30 and #40
#42.	#13 or #41 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.12 Social care

- Is urgent and/or routine extended access to social care services (e.g., evenings, 7 day) more clinically and cost effective compared with standard access?

##### Medline search terms

1.	social work/
2.	(social adj1 (care* or service* or work*)).ti,ab.
3.	(caseworker* or case-worker* or case worker*).ti,ab.
4.	or/1-3
5.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
6.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
7.	after-hours care/
8.	workload/
9.	or/5-8
10.	4 and 9
11.	Excluded study designs and publication types [A.3.1]
12.	10 not 11
13.	Limit 12 to English language
14.	Study filter ECON (A.3.4)
15.	13 [C]
16.	13 and 14 [HE]
	Date parameters: 2005 – 01/12/2016

##### Embase search terms

1.	*social care/
2.	*social work/
3.	social worker/
4.	(social adj1 (care* or service* or work*)).ti,ab.

5.	(caseworker* or case-worker* or case worker*).ti,ab.
6.	or/1-5
7.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
8.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or Monday-Friday or Saturday or Sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
9.	workload/
10.	or/7-9
11.	6 and 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language
15.	Study filter ECON (A.3.4)
16.	14 [C]
17.	14 and 15[HE]
	Date parameters: 2005 – 01/12/2016

#### Cochrane search terms

#1.	MeSH descriptor: [social work] this term only
#2.	(social near/1 (care* or service* or work*)):ti,ab
#3.	(caseworker* or case-worker* or case worker*).ti,ab
#4.	{or #1-#3}
#5.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) near/3 (service* or access* or availab* or hour* or appointment*)).ti,ab
#6.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or after hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or out of hour* or 9-5 or Monday-Friday or Saturday or Sunday) near/3 (service* or access* or availab* or hour* or appointment*)).ti,ab
#7.	MeSH descriptor: [after-hours care] this term only
#8.	MeSH descriptor: [workload] this term only
#9.	{or #5-#8}
#10.	#4 and #9 [C]
	Date parameters: 2005 – 01/12/2016

#### Social Policy and Practice search terms

1.	(social adj1 (care* or service* or work*)):ti,ab.
2.	(caseworker* or case-worker* or case worker*).ti,ab.
3.	or/1-2
4.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
5.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or after hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or out of hour* or 9-5 or Monday-Friday or Saturday or Sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
6.	or/4-5

7.	3 and 6 [C]
	Date parameters: 2005 – 29/03/2016

#### CRD search terms

#1.	MeSH descriptor social work
#2.	((caseworker* or case-worker* or case worker*))
#3.	((social adj1 (care* or service* or work*)))
#4.	#1 or #2 or #3
#5.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*))
#6.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or Monday-Friday or Saturday or Sunday) adj3 (service* or access* or availab* or hour* or appointment*))
#7.	MeSH descriptor after-hours care
#8.	MeSH descriptor workload
#9.	#5 or #6 or #7 or #8
#10.	#4 and #9
#11.	#10 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.13 Alternatives to hospital care

Searches for the following two questions were run as one search:

- Does community-based intermediate care improve outcomes compared with hospital care?
- Does the use of virtual ward improve compared with hospital care?

#### Medline search terms

1.	home care services, hospital-based/
2.	("hom*1 hospital*" or "hospital* hom*1" or "hospital at home" or "hospital in the home").ti,ab.
3.	1 or 2
4.	(hospital adj2 (care or caring or cared or treat* or manag* or follow-up*)).ti,ab.
5.	((home*1 or domiciliary or home visit* or home based or home-based or in-home) adj2 (care or caring or cared or treat* or manag* or follow-up* or program* or scheme* or strateg* or framework* or gp* or physician* or nurse* or anp or matron*)).ti,ab.
6.	4 and 5
7.	(support* adj1 discharg*).ti,ab.
8.	((discharge or post-discharge or self-care or self care) adj3 (home visit* or home based or home-based)).ti,ab.
9.	(discharge follow-up adj3 patient* home*).ti,ab.
10.	or/7-9
11.	3 or 6 or 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	(virtual* adj2 ward*).ti,ab.
15.	(virtual* adj2 hospital*).ti,ab.
16.	14 or 15

17.	13 or 16
18.	Limit 17 to English language; Date parameters: Database start date – 02/12/2016 [C]
19.	Study filter ECON (A.3.4)
20.	Study filter EXT MOD (A.3.5)
21.	13 and 19
22.	16 and (19 or 20)
23.	21 or 22
24.	Limit 23 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Embase search terms

1.	("hom*1 hospital*" or "hospital* hom*1" or "hospital at home" or "hospital in the home").ti,ab.
2.	(hospital adj2 (care or caring or cared or treat* or manag* or follow-up*)).ti,ab.
3.	((home*1 or domiciliary or home visit* or home based or home-based or in-home) adj2 (care or caring or cared or treat* or manag* or follow-up* or program* or scheme* or strateg* or framework* or gp* or physician* or nurse* or anp or matron*)).ti,ab.
4.	2 and 3
5.	((discharge or post-discharge or self-care or self care) adj3 (home visit* or home based or home-based)).ti,ab.
6.	(support* adj1 discharg*).ti,ab.
7.	(discharge follow-up adj3 patient* home*).ti,ab.
8.	or/5-7
9.	1 or 4 or 8
10.	Excluded study designs and publication types [A.3.1]
11.	9 not 10
12.	(virtual* adj2 ward*).ti,ab.
13.	(virtual* adj2 hospital*).ti,ab.
14.	12 or 13
15.	11 or 14
16.	Limit 15 to English language; Date parameters: Database start date – 02/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	Study filter EXT MOD (A.3.5)
19.	11 and 17
20.	14 and (17 or 18)
21.	19 or 20
22.	Limit 21 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Cochrane search terms

#1.	[mh "home care services, hospital-based"]
#2.	("hom*1 hospital*" or "hospital* hom*1" or "hospital at home" or "hospital in the home"):ti,ab
#3.	{or #1-#2}
#4.	(hospital near/2 (care or caring or cared or treat* or manag* or follow-up)):ti,ab
#5.	((home*1 or domiciliary or home visit* or home based or home-based or in-home) near/2 (care or caring or cared or treat* or manag* or follow-up* or program* or scheme* or strateg* or framework* or gp* or physician* or nurse* or anp or matron*))):ti,ab
#6.	#4 and #5
#7.	((discharge or post-discharge or self-care or self care) near/3 (home visit* or home based or

	home-based)):ti,ab
#8.	(support* near/1 discharg*):ti,ab
#9.	(discharge follow-up near/3 patient* home*):ti,ab
#10.	{or #7-#9}
#11.	#3 or #6 or #10
#12.	(virtual* near/2 ward*):ti,ab
#13.	(virtual* near/2 hospital*):ti,ab
#14.	#12 or #13
#15.	#11 or #14 [C]
	Date parameters: Database start date – 02/12/2016

### CRD search terms

#1.	MeSH descriptor home care services, hospital-based
#2.	((("hom*1 hospital*" or "hospital* hom*1" or "hospital at home" or "hospital in the home"))
#3.	#1 or #2
#4.	((hospital adj2 (care or caring or cared or treat* or manag* or follow-up*)))
#5.	((((home*1 or domiciliary or home visit* or home based or home-based or in-home) adj2 (care or caring or cared or treat* or manag* or follow-up* or program* or scheme* or strateg* or framework* or gp* or physician* or nurse* or anp or matron*)))
#6.	#4 and #5
#7.	((support* adj1 discharg*))
#8.	((((discharge or post-discharge or self-care or self care) adj3 (home visit* or home based or home-based)))
#9.	((discharge follow-up adj3 patient* home*))
#10.	#7 or #8 or #9
#11.	#3 or #6 or #10
#12.	((virtual* adj2 ward*))
#13.	((virtual* adj2 hospital*))
#14.	#12 or #13
#15.	#11 or #14
#16.	(#15) in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

### HEED search terms

1.	ax=home hospitalisation
2.	ax=home hospitalization
3.	ax=hospital at home
4.	ax=hospital in the home
5.	ax=supported discharge
6.	cs=1 or 2 or 3 or 4 or 5 or 6
7.	ax=hospital care or hospital treatment or hospital management
8.	ax=home care or domiciliary care or home treatment or home management
9.	cs=7 and 8
10.	cs=6 or 9
11.	ax=virtual and ward
12.	ax=virtual and wards
13.	ax=virtual and hospital

14.	ax=virtual and hospitals
15.	cs=11 or 12 or 13 or 14 [HE]
16.	Cs=10 or 15 [HE]
	Date parameters: 2005 – 01/12/2014

#### A.4.14 Community rehabilitation

- Does the provision of community-based rehabilitation services following acute medical illness improve patient outcomes?

##### Medline search terms

1.	*patient admission/
2.	*patient readmission/
3.	(early adj2 discharge*).ti,ab.
4.	((readmission or admission or admit* or hospitalisation or hospitalization) adj2 (reduc* or avoid* or increase* or risk* or prevent*)).ti,ab.
5.	or/1-4
6.	*community health services/
7.	*community health nursing/
8.	*home care services/
9.	((community or visit* or follow-up or rehab*) adj3 (nurs* or advanced practice nurs*)).ti,ab.
10.	(mobile team* or community health team*).ti,ab.
11.	or/6-10
12.	5 and 11
13.	intermediate care facilities/
14.	((step up or step down) adj2 (scheme* or facilit* or care)).ti,ab.
15.	(reablement or re-ablement).ti,ab.
16.	(rehab* adj2 (home* or home-based or community or domiciliary or residential)).ti,ab.
17.	(intermediate adj (care or facilit*)).ti,ab.
18.	(follow up adj2 home*).ti,ab.
19.	(restorat* adj1 (care or approach* or intervention* or program*)).ti,ab.
20.	or/12-19
21.	Excluded study designs and publication types [A.3.1]
22.	20 not 21
23.	Limit 22 to English language; Date parameters: Database start date – 02/12/2016 [C]
24.	Study filter ECON (A.3.4)
25.	22 and 24
26.	Limit 25 to English language; Date parameters: 2005 – 02/12/2016 [HE]

##### Embase search terms

1.	*hospital admission/
2.	*hospital readmission/
3.	(early adj2 discharge*).ti,ab.
4.	((readmission or admission or admit* or hospitalisation or hospitalization) adj2 (reduc* or avoid* or increase* or risk* or prevent*)).ti,ab.
5.	or/1-4
6.	*community health nursing/
7.	*community care/

8.	*home care/
9.	((community or visit* or follow-up or rehab*) adj3 (nurs* or advanced practice nurs*)).ti,ab.
10.	(mobile team* or community health team*).ti,ab.
11.	or/6-10
12.	5 and 11
13.	community based rehabilitation/
14.	home rehabilitation/
15.	((step up or step down) adj2 (scheme* or facilit* or care)).ti,ab.
16.	(reablement or re-ablement).ti,ab.
17.	(rehab* adj2 (home* or community or domiciliary or residential)).ti,ab.
18.	(intermediate adj (care or facilit*)).ti,ab.
19.	(follow up adj2 home*).ti,ab.
20.	(restorat* adj1 (care or approach* or intervention* or program*)).ti,ab.
21.	or/12-20
22.	Excluded study designs and publication types [A.3.1]
23.	21 not 22
24.	Limit 23 to English language; Date parameters: Database start date – 02/12/2016 [C]
25.	Study filter ECON (A.3.4)
26.	23 and 25
27.	Limit 26 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Cochrane search terms

#1.	[mh ^"patient admission"]
#2.	[mh ^"patient readmission"]
#3.	(early near/2 discharge*):ti,ab
#4.	((readmission or admission or admit* or hospitalisation or hospitalization) near/2 (reduc* or avoid* or increase* or risk* or prevent*)):ti,ab
#5.	#1 or #2 or #3 or #4
#6.	[mh ^"community health services"]
#7.	[mh ^"community health nursing"]
#8.	[mh ^"home care services"]
#9.	((community or visit* or follow-up or rehab*) near/3 (nurs* or advanced practice nurs*)):ti,ab
#10.	(mobile team* or community health team*):ti,ab
#11.	{or #6-#10}
#12.	#5 and #11
#13.	[mh "intermediate care facilities"]
#14.	((step up or step down) near/2 (scheme* or facilit* or care)):ti,ab
#15.	(reablement or re-ablement):ti,ab
#16.	(rehab* near/2 (home* or community or domiciliary or residential)):ti,ab
#17.	(intermediate next (care or facilit*)):ti,ab
#18.	(follow up near/2 home*):ti,ab
#19.	(restorat* near/1 (care or approach* or intervention* or program*)):ti,ab
#20.	{or #12-#19} [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms



#1.	MeSH descriptor patient admission
#2.	MeSH descriptor patient readmission
#3.	((early adj2 discharge*))
#4.	((((readmission or admission or admit* or hospitalisation or hospitalization) adj2 (reduc* or avoid* or increase* or risk* or prevent*))))
#5.	#1 or #2 or #3 or #4
#6.	MeSH descriptor community health services
#7.	(community health nursing)
#8.	MeSH descriptor home care services
#9.	((((community or visit* or follow-up or rehab*) adj3 (nurs* or advanced practice nurs*)))
#10.	((mobile team* or community health team*))
#11.	#6 or #7 or #8 or #9 or #10
#12.	#5 and #11
#13.	MeSH descriptor intermediate care facilities
#14.	((((step up or step down) adj2 (scheme* or facilit* or care)))
#15.	((reablement or re-ablement))
#16.	((rehab* adj2 (home* or home-based or community or domiciliary or residential)))
#17.	((intermediate adj (care or facilit*)))
#18.	((follow up adj2 home*))
#19.	((restorat* adj1 (care or approach* or intervention* or program*)))
#20.	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### HEED search terms

1.	ax=intermediate care
2.	ax=step up or step down or reablement or re-ablement
3.	ax=rehab*
4.	ax=home or homes or community or domiciliary or residential
5.	cs=3 and 4
6.	ax=home and follow up
7.	ax=restorat*
8.	ax=care or approach* or intervention* or program*
9.	cs=7 and 8
10.	cs=1 or 2 or 5 or 6 or 9
	date parameters: 2005 – 15/12/2014

#### A.4.15 Palliative care

- Does community-based palliative care improve outcomes compared with hospital care?

This search was an update of the searches in a Cochrane review:

Gomes B, Calanzani N, Curiale V, McCrone P, Higginson IJ. Effectiveness and cost-effectiveness of home palliative care services for adults with advanced illness and their caregivers. Cochrane Database of Systematic Reviews. 2013; Issue 6:CD007760. DOI:10.1002/14651858.CD007760.pub2

#### Medline search terms

1.	palliative care/
2.	exp terminal care/

3.	terminally ill/
4.	palliat*.ti,ab.
5.	(terminal* adj3 (care or caring or ill*)).ti,ab.
6.	(terminal adj1 phase*).ti,ab.
7.	((advanced or end stage or terminal*) adj4 (disease* or illness* or cancer* or malignan*)).ti,ab.
8.	((terminal* or final or advance* or incurable) adj3 (ill* or disease* or condition*)).ti,ab.
9.	(dying or death).ti,ab.
10.	((approach* or close* or near*) adj2 (die or deathbed or death or "passing away" or "passing on" or expiring or expiration or "terminal stage" or "advance* stage" or "final stage*" or "end stage" or "last stage*" or last day* or last hour*)).ti,ab.
11.	(last year of life or lyol).ti,ab.
12.	(end adj2 life).ti,ab.
13.	or/1-12
14.	exp home care services/
15.	exp home care agencies/
16.	exp mobile health units/
17.	exp community health nursing/
18.	community health services/
19.	hospitals, community/
20.	"hospice and palliative care nursing"/
21.	((macmillan or marie curie or district) adj nurs*).ti,ab.
22.	((home or domicil* or outreach or residential or housing or posthospital or post-hospital or communit* or mobile or ambulatory or door to door) adj2 (team* or center* or centre* or treat* or care or interven* or therap* or management or model* or program or programs or programme* or service* or base* or nurs*)).ti,ab.
23.	(homecare or home-care or homebased or home-based).ti,ab.
24.	or/14-23
25.	13 and 24
26.	hospice*.ti,ab.
27.	hospices/
28.	hospice care/
29.	or/25-28
30.	Excluded study designs and publication types [A.3.1]
31.	29 not 30
32.	Limit 31 to English language
33.	Study filters RCT (A.3.2) or SR (A.3.3)
34.	Study filter ECON (A.3.4)
35.	32 and 33[C]
36.	32 and 34 [HE]
	Date parameters: 2010 – 02/12/2016

#### Embase search terms

1.	exp *palliative therapy/
2.	exp *terminal care/
3.	exp *terminally ill patient/
4.	palliat*.ti,ab.

5.	(terminal* adj3 (care or caring or ill*)).ti,ab.
6.	(terminal adj1 phase*).ti,ab.
7.	((advanced or end stage or terminal*) adj4 (disease* or illness* or cancer* or malignan*)).ti,ab.
8.	((terminal* or final or advance* or incurable) adj3 (ill* or disease* or condition*)).ti,ab.
9.	(dying or death).ti,ab.
10.	((approach* or close* or near*) adj2 (die or deathbed or death or "passing away" or "passing on" or expiring or expiration or "terminal stage" or "advance* stage" or "final stage*" or "end stage" or "last stage*" or last day* or last hour*)).ti,ab.
11.	(last year of life or lyol).ti,ab.
12.	(end adj2 life).ti,ab.
13.	or/1-12
14.	*home care/
15.	*home health agency/
16.	*community care/
17.	*community health nursing/
18.	*palliative nursing/
19.	*community hospital/
20.	((macmillan or marie curie or district) adj nurs*).ti,ab.
21.	((home or domicil* or outreach or residential or housing or posthospital or post-hospital or communit* or mobile or ambulatory or door to door) adj2 (team* or center* or centre* or treat* or care or interven* or therap* or management or model* or program or programs or programme* or service* or base* or nurs*)).ti,ab.
22.	(homecare or home-care or homebased or home-based).ti,ab.
23.	or/14-22
24.	13 and 23
25.	hospice*.ti,ab.
26.	*hospice/
27.	*hospice care/
28.	or/24-27
29.	Excluded study designs and publication types [A.3.1]
30.	28 not 29
31.	Limit 30 to English language
32.	Study filters RCT (A.3.2) or SR (A.3.3)
33.	Study filter ECON (A.3.4)
34.	31 and 32 [C]
35.	31 and 33 [HE]
	Date parameters: 2010 – 02/12/2016

#### CINAHL search terms

S1.	(mh "palliative care")
S2.	(mh "terminal care+")
S3.	(mh "terminally ill patients+")
S4.	palliat*
S5.	(terminal* n3 (care or caring or ill*))
S6.	(terminal n1 phase*)
S7.	((advanced or end stage or terminal*) n4 (disease* or illness* or cancer* or malignan*))

S8.	((terminal* or final or advance* or incurable) n3 (ill* or disease* or condition*))
S9.	(dying or death)
S10.	((approach* or close* or near*) n2 (die or deathbed or death or "passing away" or "passing on" or expiring or expiration or "terminal stage" or "advance* stage" or "final stage*" or "end stage" or "last stage*" or last day* or last hour*))
S11.	(last year of life or lyol)
S12.	(end n2 life)
S13.	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12
S14.	(mh "home health care+")
S15.	(mh "home health agencies")
S16.	(mh "mobile health units")
S17.	(mh "community health nursing+")
S18.	(mh "community health services")
S19.	(mh "hospitals, community")
S20.	(mh "hospice and palliative nursing")
S21.	((macmillan or marie curie or district) n1 nurs*)
S22.	((home or domicil* or outreach or residential or housing or posthospital or post-hospital or communit* or mobile or ambulatory or door to door) N2 (team* or center* or centre* or treat* or care or interven* or therap* or management or model* or program or programs or programme* or service* or base* or nurs*))
S23.	(homecare or home-care or homebased or home-based)
S24.	S14 or S15 or S16 or S17 or S18 or S19 or S20 or S21 or S22 or S23
S25.	S13 and S24
S26.	hospice*
S27.	(mh "hospices") or (mh "hospice patients") or (mh "hospice care")
S28.	S25 or S26 or S27
S29.	mh random assignment
S30.	mh placebos
S31.	mh quantitative studies
S32.	mh clinical trials
S33.	mh multicenter studies
S34.	mh control group
S35.	mh triple-blind studies
S36.	mh double-blind studies
S37.	mh single-blind studies
S38.	pt clinical trial
S39.	random* or placebo*
S40.	control* or prospective* or volunteer*
S41.	((multicent* or multi-cent* or multisite* or multi-site*) and (study or studies or trial*))
S42.	(clin* n25 trial*)
S43.	((singl* or doubl* or trebl* or tripl*) n25 (blind* or mask*))
S44.	S29 or S30 or S31 or S32 or S33 or S34 or S35 or S36 or S37 or S38 or S39 or S40 or S41 or S42 or S43
S45.	S28 and S44
S46.	Excluded study designs and publication types [A.3.1]
S47.	S45 not S46

S48.	Limit S47 to English language [C]
	Date parameters: 2010 – 02/12/2016

### Cochrane search terms

#1.	[mh "palliative care"]
#2.	[mh "terminal care"]
#3.	[mh "terminally ill"]
#4.	palliat*:ti,ab
#5.	(terminal* near/3 (care or caring or ill*)):ti,ab
#6.	(terminal near/1 phase*):ti,ab
#7.	((advanced or end stage or terminal*) near/4 (disease* or illness* or cancer* or malignan*)):ti,ab
#8.	((terminal* or final or advance* or incurable) near/3 (ill* or disease* or condition*)):ti,ab
#9.	(dying or death):ti,ab
#10.	((approach* or close* or near*) near/2 (die or deathbed or death or "passing away" or "passing on" or expiring or expiration or "terminal stage" or "advance* stage" or "final stage*" or "end stage" or "last stage*" or last day* or last hour*)):ti,ab
#11.	(last year of life or lyol):ti,ab
#12.	(end near/2 life):ti,ab
#13.	{or #1-#12}
#14.	[mh "home care services"]
#15.	[mh "home care agencies"]
#16.	[mh "mobile health units"]
#17.	[mh "community health nursing"]
#18.	[mh "community health services"]
#19.	[mh "hospitals, community"]
#20.	[mh "hospice and palliative care nursing"]
#21.	((macmillan or marie curie or district) next nurs*):ti,ab
#22.	((home or domicil* or outreach or residential or housing or posthospital or post-hospital or communit* or mobile or ambulatory or door to door) near/2 (team* or center* or centre* or treat* or care or interven* or therap* or management or model* or program or programs or programme* or service* or base* or nurs*)):ti,ab
#23.	(homecare or home-care or homebased or home-based):ti,ab
#24.	{or #14-#23}
#25.	#13 and #24
#26.	hospice*:ti,ab
#27.	[mh hospices]
#28.	[mh "hospice care"]
#29.	{or #25-#28} [C]
	Date parameters: 2010 – 02/12/2016

### CRD search terms

#1.	MeSH descriptor palliative care
#2.	MeSH descriptor Terminal Care explode all trees
#3.	MeSH descriptor terminally ill
#4.	(palliat*)
#5.	((terminal* adj3 (care or caring or ill*)))

#6.	((terminal adj1 phase*))
#7.	((advanced or end stage or terminal*) adj4 (disease* or illness* or cancer* or malignan*))
#8.	((terminal* or final or advance* or incurable) adj3 (ill* or disease* or condition*))
#9.	((dying or death))
#10.	((approach* or close* or near*) adj2 (die or deathbed or death or "passing away" or "passing on" or expiring or expiration or "terminal stage" or "advance* stage" or "final stage*" or "end stage" or "last stage*" or last day* or last hour*))
#11.	((last year of life or lyol))
#12.	((end adj2 life))
#13.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12
#14.	MeSH descriptor home care services explode all trees
#15.	MeSH descriptor home care agencies explode all trees
#16.	MeSH descriptor mobile health units explode all trees
#17.	MeSH descriptor community health nursing explode all trees
#18.	MeSH descriptor community health services
#19.	MeSH descriptor hospitals, community
#20.	MeSH descriptor hospice and palliative care nursing
#21.	((macmillan or marie curie or district) ADJ nurs*)
#22.	((homecare or home-care or homebased or home-based))
#23.	((home or domicil* or outreach or residential or housing or posthospital or post-hospital or communit* or mobile or ambulatory or door to door) adj2 (team* or center* or centre* or treat* or care or interven* or therap* or management or model* or program or programs or programme* or service* or base* or nurs*))
#24.	#14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23
#25.	#13 and #24
#26.	(hospice*)
#27.	MeSH descriptor hospices
#28.	MeSH descriptor hospice care
#29.	#25 or #26 or #27 or #28 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.16 Advanced care planning

- Does advance care planning improve outcomes compared with usual care?

##### Medline search terms

1.	exp advance care planning/
2.	(advance* adj2 (plan* or directive*).ti,ab.
3.	advance decision.ti,ab.
4.	living will*.ti,ab.
5.	or/1-4
6.	exp primary health care/
7.	exp physician's practice patterns/
8.	exp family practice/
9.	exp physicians, primary care/
10.	exp general practice/
11.	exp physicians, family/
12.	exp general practitioners/

13.	exp "referral and consultation"/
14.	((primary or communit*) adj5 (health or service* or care)).ti,ab.
15.	(family practi* or family doctor* or family physician* or gp* or general practi*).ti,ab.
16.	exp outpatient clinics, hospital/
17.	exp ambulatory care/
18.	exp community health services/ or exp community health centers/
19.	or/6-18
20.	5 and 9
21.	Excluded study designs and publication types [A.3.1]
22.	20 not 21
23.	Limit 22 to English language; Date parameters: Database start date – 02/12/2016 [C]
24.	Study filter ECON (A.3.4)
25.	22 and 24
26.	Limit 25 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Embase search terms

1.	living will/
2.	(advance* adj2 (plan* or directive*)).ti,ab.
3.	advance decision.ti,ab.
4.	living will*.ti,ab.
5.	or/1-4
6.	exp primary health care/
7.	exp professional practice/
8.	exp clinical practice/
9.	exp general practice/
10.	general practitioner/
11.	patient referral/
12.	((primary or communit*) adj5 (health or service* or care)).ti,ab.
13.	(family practi* or family doctor* or family physician* or gp* or general practi*).ti,ab.
14.	exp outpatient department/
15.	exp ambulatory care/
16.	exp community care/
17.	health center/
18.	or/6-17
19.	5 and 18
20.	Excluded study designs and publication types [A.3.1]
21.	19 not 20
22.	Limit 21 to English language; Date parameters: Database start date – 02/12/2016 [C]
23.	Study filter ECON (A.3.4)
24.	21 and 23
25.	Limit 24 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Cochrane search terms

#1.	[mh "advance care planning"]
#2.	(advance* near/2 (plan* or directive*)):ti,ab
#3.	advance next decision:ti,ab

#4.	living next will*.ti,ab
#5.	{or #1-#4} [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms

#1.	MeSH descriptor advance care planning explode all trees
#2.	((advance* adj2 (plan* or directive*)))
#3.	(advance decision)
#4.	(living will*)
#5.	#1 or #2 or #3 or #4
#6.	(#5) in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.17 ED opening hours

- Is 24-hour open access to ED more clinically and cost effective compared with limited opening times to ED?

#### Medline search terms

1.	emergency service, hospital/
2.	health facility closure/
3.	1 and 2
4.	((emergency adj2 (ward* or department* or unit* or accident* or room* or center* or centre* or service*)) or "a&e" or casualty) adj3 (open* or close* or closure* or closing* or hour* or 24-h* or evening or weekend* or redistribut* or ((restrict* or limit*) adj2 access*))).ti,ab.
5.	3 or 4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	*emergency ward/
2.	*health care facility/
3.	1 and 2
4.	((emergency adj2 (ward* or department* or unit* or accident* or room* or center* or centre* or service*)) or "a&e" or casualty) adj3 (open* or close* or closure* or closing* or hour* or 24-h* or evening or weekend* or redistribut* or ((restrict* or limit*) adj2 access*))).ti,ab.
5.	3 or 4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]



### Cochrane search terms

#1.	[mh ^"emergency service, hospital"]
#2.	[mh ^"health facility closure"]
#3.	(((emergency near/2 (ward* or department* or unit* or accident* or room* or center* or centre* or service*)) or "a&e" or casualty) near/3 (open* or close* or closure* or closing* or hour* or 24-h* or (24 next h*) or evening or weekend* or redistribut* or ((restrict* or limit*) near/2 access*))) :ti,ab
#4.	#1 and #2
#5.	#3 or #4 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	MeSH descriptor emergency service, hospital
#2.	MeSH descriptor health facility closure
#3.	#1 and #2
#4.	(((emergency adj2 (ward* or department* or unit* or accident* or room* or center* or centre* or service*)) or "a&e" or casualty) adj3 (open* or close* or closure* or closing* or hour* or 24-h* or evening or weekend* or redistribut* or ((restrict* or limit*) adj2 access*)))
#5.	#3 or #4 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.18 GP-ED

- Does the presence of GPs within or on the same site as the ED reduce the demand on ED and/or improve outcomes?

### Medline search terms

1.	(family practi* or family doctor* or family physician* or gp or gps or general practi*).ti,ab.
2.	exp general practitioners/
3.	exp physicians, primary care/
4.	exp physicians, family/
5.	exp emergency service, hospital/
6.	emergency medical services/
7.	(((emergenc* or trauma) adj2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed).ti,ab.
8.	or/5-7
9.	or/1-4
10.	8 and 9
11.	(locat* or collaborat* or integrat* or co-locat* or led or triage* or sited or on-site).ti,ab.
12.	triage/
13.	11 or 12
14.	10 and 13
15.	Excluded study designs and publication types [A.3.1]
16.	14 not 15
17.	Limit 16 to English language; Date parameters: Database start date – 01/12/2016 [C]
18.	Study filter ECON (A.3.4)
19.	16 and 18
20.	Limit 19 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	(family practi* or family doctor* or family physician* or gp or gps or general practi*).ti,ab.
2.	exp *general practitioners/
3.	exp *general practice/
4.	or/1-3
5.	((emergenc* or trauma) adj2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed).ti,ab.
6.	*emergency ward/
7.	*emergency health service/
8.	or/5-7
9.	4 and 8
10.	(locat* or collaborat* or integrat* or co-locat* or led or triage* or sited or on-site).ti,ab.
11.	9 and 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language; Date parameters: Database start date – 01/12/2016 [C]
15.	Study filter ECON (A.3.4)
16.	13 and 15
17.	Limit 16 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	(family next practi* or family next doctor* or family next physician* or gp or gps or general next practi*):ti,ab
#2.	[mh "general practitioners"]
#3.	[mh "physicians, primary care"]
#4.	[mh "physicians, family"]
#5.	{or #1-#4}
#6.	[mh "emergency service, hospital"]
#7.	[mh ^"emergency medical services"]
#8.	((emergenc* or trauma) near/2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed):ti,ab
#9.	#6 or #7 or #8
#10.	#5 and #9 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	(family practi* or family doctor* or family physician* or gp or gps or general practi*)
#2.	MeSH descriptor general practitioners
#3.	MeSH descriptor physicians, primary care explode all trees
#4.	MeSH descriptor physicians, family explode all trees
#5.	#1 or #2 or #3 or #4
#6.	((emergenc* or trauma) adj2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed))
#7.	MeSH descriptor emergency service, hospital explode all trees
#8.	MeSH descriptor emergency medical services
#9.	#6 or #7 or #8
#10.	#5 and #9 in HTA or NHSEED [HE]

Date parameters: 2005 – 01/12/2016
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#### A.4.19 Minor injury unit, urgent care centre or walk-in centre

- Is a minor injury unit, urgent care centre or walk-in centre clinically and cost effective:
  1. as a standalone unit
  2. when co-located on the same site as a full emergency department?

##### Medline & Embase search terms

1.	((minor injur* or walk-in or urgent care or emergency care or primary care access) adj1 (unit* or centre* or center* or clinic or clinics)).ti,ab.
2.	Excluded study designs and publication types [A.3.1]
3.	1 not 2
4.	Limit 3 to English language; Date parameters: 1995 – 01/12/2016 [C]
5.	Study filter ECON (A.3.4)
6.	3 and 5
7.	Limit 6 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### Cochrane search terms

#1.	((minor next injur* or walk-in or "walk in" or "urgent care" or "emergency care" or "primary care access") near/1 (unit* or centre* or center* or clinic or clinics)):ti,ab [C]
	Date parameters: Database start date – 01/12/2016

##### CRD search terms

#1.	((minor injur* or walk-in or urgent care or emergency care or primary care access) adj1 (unit* or centre* or center* or clinic or clinics))
#2.	#1 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.20 Early vs late consultant review

Searches for the following two questions were run as one search:

- Is early consultant triage in the ED (RAT model) more clinically and cost effective than later consultant review?
- Is early consultant review in the AMU, ICU, HDU, CCU or Stroke Unit more clinically and cost effective than later consultant review?

##### Medline search terms

1.	(rapid* adj2 assessment* adj2 (team* or triag*)).ti,ab.
2.	((interdisciplinary or multidisciplinary or combin* or inter disciplinary or multi disciplinary or interprofessional or multiprofessional or inter professional or multi professional) adj2 triag*).ti,ab.
3.	((intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or physician* or intern*1 or internship or resident*1 or fellow*1) adj4 triag*).ti,ab.
4.	((prompt* or hour* or rapid* or within or early or earlier or time* or timing or late or later or delay*) adj2 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or physician* or intern*1 or internship or resident*1 or fellow*1) adj4 assess*).ti,ab.
5.	or/1-4
6.	((intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern*1 or internship or

	resident*1 or fellow*1) adj1 (review* or advi?e* or opinion* or assess*)).ti,ab.
7.	((prompt or hour* or rapid or within or early or earlier or time* or timing or late or later or delay*) adj3 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern*1 or internship or resident*1 or fellow*1)).ti,ab.
8.	or/6-7
9.	exp emergency medical services/
10.	(urgent* or intensive or acute* or emergenc* or acute* or critical* or stroke*).ti,ab.
11.	or/9-10
12.	8 and 11
13.	5 or 12
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language; Date parameters: Database start date – 01/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	(rapid* adj2 assessment* adj2 (team* or triag*)).ti,ab.
2.	((interdisciplinary or multidisciplinary or combin* or inter disciplinary or multi disciplinary or interprofessional or multiprofessional or inter professional or multi professional) adj2 triag*).ti,ab.
3.	((intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or physician* or intern*1 or internship or resident*1 or fellow*1) adj4 triag*).ti,ab.
4.	((prompt* or hour* or rapid* or within or early or earlier or time* or timing or late or later or delay*) adj2 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or physician* or intern*1 or internship or resident*1 or fellow*1) adj4 assess*).ti,ab.
5.	or/1-4
6.	((intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern*1 or internship or resident*1 or fellow*1) adj1 (review* or advi?e* or opinion* or assess*)).ti,ab.
7.	((prompt or hour* or rapid or within or early or earlier or late* or time* or timing or late or later or delay*) adj3 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern*1 or internship or resident*1 or fellow*1)).ti,ab.
8.	or/6-7
9.	(urgent* or intensive or acute* or emergenc* or acute* or critical* or stroke*).ti,ab.
10.	exp emergency health service/
11.	exp emergency care/
12.	or/9-11
13.	8 and 12
14.	5 or 13
15.	Excluded study designs and publication types [A.3.1]
16.	14 not 15
17.	Limit 16 to English language; Date parameters: Database start date – 01/12/2016 [C]
18.	Study filter ECON (A.3.4)
19.	16 and 18

20.	Limit 19 to English language; Date parameters: 2005 – 01/12/2016 [HE]
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### Cochrane search terms

#1.	(rapid* near/2 assessment* near/2 (team* or triag*)):ti,ab
#2.	((interdisciplinary or multidisciplinary or combin* or inter disciplinary or multi disciplinary or interprofessional or multiprofessional or inter professional or multi professional) near/2 triag*):ti,ab
#3.	((consultant* or specialist* or senior* or junior* or registrar* or house officer* or physician* or intern* or internship or resident* or fellow*) near/4 triag*):ti,ab
#4.	((prompt* or hour* or rapid* or within or early or earlier or time* or timing or late or later or delay*) near/2 (consultant* or specialist* or senior* or junior* or registrar* or house officer* or physician* or intern* or internship or resident* or fellow*) near/4 assess*):ti,ab
#5.	{or #1-#4}
#6.	((intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or intern*1 or internship or resident*1 or fellow*1) near/1 (review* or advi?e* or opinion* or assess*)):ti,ab
#7.	((prompt or hour* or rapid or within or early or earlier or late* or time* or timing or late or later or delay*) near/3 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or registrar* or house officer* or intern*1 or internship or resident*1 or fellow*1)):ti,ab
#8.	((review* or advi?e* or opinion* or assess*) near/1 ((attend* or render* or staff*) next physician*)):ti,ab
#9.	((prompt or hour* or rapid or within or early or earlier or late* or time* or timing or late or later or delay*) near/3 ((attend* or render* or staff*) next physician*)):ti,ab
#10.	{or #6-#9}
#11.	[mh "emergency medical services"]
#12.	(urgent* or intensive or acute* or emergenc* or acute* or critical* or stroke*):ti,ab
#13.	{or #11-#12}
#14.	#10 and #13
#15.	#5 or #14 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	((rapid* adj2 assessment* adj2 (team* or triag*)))
#2.	(((((interdisciplinary or multidisciplinary or combin* or inter disciplinary or multi disciplinary or interprofessional or multiprofessional or inter professional or multi professional) adj2 triag*)))
#3.	((((((intensivist* or consultant* or specialist* or senior* or junior* or registrar* or house officer* or physician* or intern* or internship or resident* or fellow*) adj4 triag*))))
#4.	((((((prompt* or hour* or rapid* or within or early or earlier or time* or timing or late or later or delay*) adj2 (intensivist* or consultant* or specialist* or senior* or junior* or registrar* or house officer* or physician* or intern* or internship or resident* or fellow*) adj4 assess*))))
#5.	#1 or #2 or #3 or #4
#6.	((((((intensivist* or consultant* or specialist* or senior* or junior* or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern* or internship or resident* or fellow*) adj1 (review* or advi* or opinion* or assess*))))))
#7.	((((((prompt or hour* or rapid or within or early or earlier or late* or time* or timing or late or later or delay*) adj3 (intensivist* or consultant* or specialist* or senior* or junior* or registrar* or house officer* or ((attend* or render* or staff*) adj physician*) or intern* or internship or resident* or fellow*))))))
#8.	#6 or #7
#9.	MeSH descriptor emergency medical services explode all trees

#10.	(((urgent* or intensive or acute* or emergenc* or acute* or critical* or stroke*)))
#11.	#9 or #10
#12.	#8 and #11
#13.	#5 or #12
#14.	#13 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.21 Physician extenders

- Do physician extenders (for example, physician assistants, and emergency nurse practitioners) improve outcomes in secondary care?

##### Medline search terms

1.	physician assistants/
2.	exp nurse practitioners/
3.	(physician* adj1 (associate* or extender* or assistant*)).ti,ab.
4.	nurse practitioner*.ti,ab.
5.	(nurse* adj1 (heart failure or critical care outreach or advanced practice or specialist or specialty)).ti,ab.
6.	(pharmacist* adj1 prescri* adj2 independent*).ti,ab.
7.	(advance* adj2 (nurse* or paramedic* or care) adj2 practitioner*).ti,ab.
8.	(practitioner* adj2 (critical care or mid-level)).ti,ab.
9.	(pharmacist* adj3 prescri*).ti,ab.
10.	or/1-9
11.	Excluded study designs and publication types [A.3.1]
12.	10 not 11
13.	Limit 12 to English language
14.	Study filters RCT (A.3.2) or SR (A.3.3)
15.	Study filter OBS (A.3.6)
16.	Date parameters: Database start date– 01/12/2016
17.	Date parameters: 2005 – 13/07/2015
18.	Study filter ECON (A.3.4)
19.	((13 and 14 and 16) or (13 and 15 and 17)) [C]
20.	13 and 18; Date parameters: 2005 – 01/12/2016 [HE]

##### Embase search terms

1.	*physician assistant/
2.	exp *advanced practice nurse/
3.	(physician* adj1 (associate* or extender* or assistant*)).ti,ab.
4.	nurse practitioner*.ti,ab.
5.	(nurse* adj1 (heart failure or critical care outreach or advanced practice or specialist or specialty)).ti,ab.
6.	(pharmacist* adj1 prescri* adj2 independent*).ti,ab.
7.	(advance* adj2 (nurse* or paramedic* or care) adj2 practitioner*).ti,ab.
8.	(practitioner* adj2 (critical care or mid-level)).ti,ab.
9.	(pharmacist* adj3 prescri*).ti,ab.
10.	or/1-9
11.	Excluded study designs and publication types [A.3.1]

12.	10 not 11
13.	Limit 12 to English language
14.	Study filters RCT (A.3.2) or SR (A.3.3)
15.	Study filter OBS (A.3.6)
16.	Date parameters: Database start date– 01/12/2016
17.	Date parameters: 2005 – 13/07/2015
18.	Study filter ECON (A.3.4)
19.	((13 and 14 and 16) or (13 and 15 and 17)) [C]
20.	13 and 18; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	[mh ^"physician assistants"]
#2.	[mh "nurse practitioners"]
#3.	(physician* near/1 (associate* or extender* or assistant*)):ti,ab
#4.	(nurse next practitioner*):ti,ab
#5.	(nurse* near/1 ("heart failure" or "critical care outreach" or "advanced practice" or specialist or specialty)):ti,ab
#6.	(pharmacist* near/1 prescri* near/2 independent*):ti,ab
#7.	(advance* near/2 (nurse* or paramedic* or care) near/2 practitioner*):ti,ab
#8.	(practitioner* near/2 ("critical care" or mid-level)):ti,ab
#9.	(pharmacist* near/3 prescri*):ti,ab
#10.	{or #1-#9} [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((pharmacist* adj3 prescri*))
#2.	MeSH descriptor physician assistants
#3.	MeSH descriptor nurse practitioners explode all trees
#4.	((advance* adj2 (nurse* or paramedic* or care) adj2 practitioner*))
#5.	((physician* adj1 (associate* or extender* or assistant*)))
#6.	((practitioner* adj2 (nurse* or critical care or mid-level)))
#7.	((nurse* adj1 (heart failure or critical care outreach or advanced practice or specialist or specialty)))
#8.	((pharmacist* adj1 prescri* adj2 independent*))
#9.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.22 Standardised criteria for admission

- Do standardised criteria for hospital admission facilitate appropriate admission?

#### Medline & Embase search terms

1.	blatchford*.ti,ab.
2.	(curb65 or crb65 or curb-65 or crb-65).ti,ab.
3.	(curb adj3 (criteria or rule* or scor* or predict*)):ti,ab.
4.	(grace adj3 (criteria or rule* or scor* or predict*)):ti,ab.
5.	heart scor*.ti,ab.
6.	(qadmission* or q-admission*).ti,ab.

7.	or/1-6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language; Date parameters: Database start date – 01/12/2016 [C]
11.	Study filter ECON (A.3.4)
12.	9 and 11
13.	Limit 12 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	blatchford*:ti,ab
#2.	(curb65 or crb65 or curb-65 or curb next 65 or crb-65 or crb next 65):ti,ab
#3.	(curb near/3 (criteria or rule* or scor* or predict*)):ti,ab
#4.	(grace near/3 (criteria or rule* or scor* or predict*)):ti,ab
#5.	heart next scor*:ti,ab
#6.	(qadmission* or q-admission* or q next admission*):ti,ab
#7.	{or #1-#6} [C]
	Date parameters: 2005– 01/12/2016

#### CRD search terms

#1.	(blatchford*)
#2.	(curb65 or crb65 or curb-65 or crb-65)
#3.	((curb adj3 (criteria or rule* or scor* or predict*)))
#4.	((grace adj3 (criteria or rule* or scor* or predict*)))
#5.	(heart scor*)
#6.	(qadmission* or q-admission*)
#7.	#1 or #2 or #3 or #4 or #5 or #6
#8.	#7 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.23 7 day radiology

- Does the provision of 7 day diagnostic radiology in hospital improve patient outcomes?

#### Medline search terms

1.	radiology department, hospital/ or radiology/ or nuclear medicine/ or radiology, interventional/
2.	whole body imaging/
3.	((radiograph* or radiology) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat* or department*)):ti,ab.
4.	(nuclear medicine or neuroradiography or imaging department*):ti,ab.
5.	diagnostic imaging/ or exp echocardiography/ or exp imaging, three-dimensional/ or exp radiography/ or exp tomography/ or exp ultrasonography/
6.	(diagnostic imaging or radio diagnostic* or whole body imag* or whole body scan*):ti,ab.
7.	((ct or pet or spect or cat or mdct) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab.
8.	(tomograph* adj2 (comput* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab.
9.	((cxr or xray or x ray or x-ray) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab.
10.	((ultrasonograph* or ultrasound* or echocardiograph*) adj2 (imag* or scan* or diagnos* or



	intervent* or investigat*).ti,ab.
11.	((magnetic resonance or mr or mri or nmr) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
12.	or/1-11
13.	after-hours care/
14.	((flexible or increas* or enhance* or round-the-clock or extend* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*).ti,ab.
15.	((morning* or evening* or weekday or 9-5 or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or saturday or sunday or monday-friday 9 to 5 or nine to five or monday to friday) adj3 (service* or access* or availab* or hour* or appointment*).ti,ab.
16.	or/13-15
17.	12 and 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language
21.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.6)
22.	Study filter ECON (A.3.4)
23.	20 and 21; Date parameters: Database start date – 01/12/2016 [C]
24.	20 and 22; Date parameters: 2005 – 01/12/2016; [HE]

#### Embase search terms

1.	radiology/ or interventional radiology/ or radiology department/ or nuclear medicine/
2.	whole body imaging/
3.	((radiograph* or radiology) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat* or department*).ti,ab.
4.	(nuclear medicine or neuroradiography or imaging department*).ti,ab.
5.	diagnostic imaging/
6.	exp echocardiography/
7.	three dimensional imaging/
8.	exp radiography/
9.	exp tomography/
10.	nuclear magnetic resonance imaging/
11.	exp echography/
12.	(diagnostic imaging or radio diagnostic* or whole body imag* or whole body scan*).ti,ab.
13.	((ct or pet or spect or cat or mdct) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
14.	(tomograph* adj2 (comput* or imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
15.	((cxr or xray or x ray or x-ray) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
16.	((ultrasonograph* or ultrasound* or echocardiograph*) adj2 (imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
17.	((magnetic resonance or mr or mri or nmr) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*).ti,ab.
18.	or/1-17
19.	health care delivery/
20.	((flexible or increas* or enhance* or round-the-clock or extend* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*).ti,ab.

21.	((morning* or evening* or weekday or 9-5 or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or saturday or sunday or monday-friday 9 to 5 or nine to five or monday to friday) adj3 (service* or access* or availab* or hour* or appointment*)):ti,ab.
22.	or/19-21
23.	18 and 22
24.	Excluded study designs and publication types [A.3.1]
25.	23 not 24
26.	Limit 25 to English language
27.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.6)
28.	Study filter ECON (A.3.4)
29.	26 and 27; Date parameters: Database start date – 01/12/2016 [C]
30.	26 and 28; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	MeSH descriptor: [radiology department, hospital] this term only
#2.	MeSH descriptor: [radiology] this term only
#3.	MeSH descriptor: [nuclear medicine] this term only
#4.	MeSH descriptor: [radiology, interventional] this term only
#5.	MeSH descriptor: [whole body imaging] this term only
#6.	((radiograph* or radiology) near/2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat* or department*)):ti,ab
#7.	(nuclear medicine or neuroradiography or imaging department*):ti,ab
#8.	MeSH descriptor: [diagnostic imaging] this term only
#9.	MeSH descriptor: [echocardiography] explode all trees
#10.	MeSH descriptor: [imaging, three-dimensional] explode all trees
#11.	MeSH descriptor: [radiology] explode all trees
#12.	MeSH descriptor: [tomography] explode all trees
#13.	MeSH descriptor: [ultrasonography] explode all trees
#14.	(diagnostic imaging or radio diagnostic* or whole body imag* or whole body scan*):ti,ab
#15.	((ct or pet or spect or cat or mdct) near/2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab
#16.	(tomograph* near/2 (comput* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab
#17.	((cxr or xray or x ray or x-ray) near/2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab
#18.	((ultrasonograph* or ultrasound* or echocardiograph*) near/2 (imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab
#19.	((magnetic resonance or mr or mri or nmr) near/2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*)):ti,ab
#20.	{or #1-#19}
#21.	MeSH descriptor: [after-hours care] this term only
#22.	((flexible or increas* or enhance* or round-the-clock or extend* or urgent or emergency) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab
#23.	((morning* or evening* or weekday or 9-5 or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or saturday or sunday or monday-friday 9 to 5 or nine to five or monday to friday) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab

#24.	{or #21-#23}
#25.	#20 and #24 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor radiology
#2.	MeSH descriptor nuclear medicine
#3.	MeSH descriptor radiology, interventional
#4.	MeSH descriptor whole body imaging
#5.	((radiograph* or radiology) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat* or department*))
#6.	((nuclear medicine or neuroradiography or imaging department*))
#7.	MeSH descriptor diagnostic imaging
#8.	MeSH descriptor echocardiography explode all trees
#9.	MeSH descriptor imaging, three-dimensional explode all trees
#10.	MeSH descriptor radiography explode all trees
#11.	MeSH descriptor tomography explode all trees
#12.	MeSH descriptor ultrasonography explode all trees
#13.	((diagnostic imaging or radio diagnostic* or whole body imag* or whole body scan*))
#14.	((ct or pet or spect or cat or mdct) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*))
#15.	((tomograph* adj2 (comput* or imag* or scan* or diagnos* or intervent* or investigat*))
#16.	((cxr or xray or x ray or x-ray) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*))
#17.	((ultrasonograph* or ultrasound* or echocardiograph*) adj2 (imag* or scan* or diagnos* or intervent* or investigat*))
#18.	((magnetic resonance or mr or mri or nmr) adj2 (tomogra* or imag* or scan* or diagnos* or intervent* or investigat*))
#19.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18
#20.	MeSH descriptor after-hours care explode all trees
#21.	((flexible or increas* or enhance* or round-the-clock or extend* or urgent or emergency) adj3 (service* or access* or availab* or hour* or appointment*))
#22.	((morning* or evening* or weekday or 9-5 or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or saturday or sunday or monday-friday 9 to 5 or nine to five or monday to friday) adj3 (service* or access* or availab* or hour* or appointment*))
#23.	#20 or #21 or #22
#24.	#19 and #23 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.24 Liaison psychiatry

- Do acute psychiatric services improve outcomes for patients with mental health disturbance presenting with an acute medical emergency?

#### Medline search terms

1.	(liais* adj3 psych*).ti,ab.
2.	(consult* adj3 liais*).ti,ab.

3.	((psychiatric or psychological) adj medicine).ti,ab.
4.	"rapid assessment interface and discharge".ti,ab.
5.	(liais* adj3 mental).ti,ab.
6.	or/1-5
7.	Excluded study designs and publication types [A.3.1]
8.	6 not 7
9.	Limit 8 to English language; Date parameters: 1990 – 01/12/2016 [C]
10.	Study filter ECON (A.3.4)
11.	8 and 10
12.	Limit 11 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	(liais* adj3 psych*).ti,ab.
2.	(consult* adj3 liais*).ti,ab.
3.	((psychiatric or psychological) adj medicine).ti,ab.
4.	"rapid assessment interface and discharge".ti,ab.
5.	(liais* adj3 mental).ti,ab.
6.	*liaison psychiatry/
7.	"rapid assessment interface and discharge integrated model"/
8.	or/1-7
9.	Excluded study designs and publication types [A.3.1]
10.	8 not 9
11.	Limit 10 to English language; Date parameters: 1990 – 01/12/2016 [C]
12.	Study filter ECON (A.3.4)
13.	10 and 12
14.	Limit 13 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	(liais* near/3 psych*):ti,ab
#2.	(consult* near/3 liais*):ti,ab
#3.	((psychiatric or psychological) next medicine):ti,ab
#4.	rapid assessment interface and discharge:ti,ab
#5.	(liais* near/3 mental):ti,ab
#6.	{or #1-#5} [C]
	Date parameters: 1990 – 01/12/2016

### CRD search terms

#1.	((liais* adj3 psych*))
#2.	((consult* adj3 liais*))
#3.	((psychiatric or psychological) adj medicine))
#4.	((liais* adj3 mental))
#5.	("rapid assessment interface")
#6.	#1 or #2 or #3 or #4 or #5 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

### PsycINFO terms

1.	su.exact("consultation liaison psychiatry") or ti,ab(liais* near/3 psych*) or ti,ab(consult*
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	near/3 liais*) or ti,ab(psychiatric-medicine or psychological-medicine) or ti,ab("rapid assessment interface and discharge") or ti,ab(liais* near/3 mental)
2.	English
3.	1 and 2 [C]
	Date parameters: Database start date – 01/12/2016

#### A.4.25 AMU admission

- Does admission or assessment through an acute medical unit (AMU) increase hospital discharges, improve patient outcomes and hospital resource usage?

##### Medline search terms

1.	((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*)).ti,ab.
2.	(acute medical adj3 (unit* or centre* or center* or department*)).ti,ab.
3.	(clinical decision adj3 (unit* or centre* or center* or department*)).ti,ab.
4.	(emergency care adj3 (unit* or centre* or center* or department*)).ti,ab.
5.	or/1-4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 8 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### Embase search terms

1.	((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*)).ti,ab.
2.	(acute medical adj3 (unit* or centre* or center* or department*)).ti,ab.
3.	(clinical decision adj3 (unit* or centre* or center* or department*)).ti,ab.
4.	(emergency care adj3 (unit* or centre* or center* or department*)).ti,ab.
5.	or/1-4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### CINAHL search terms

S1.	((acute or medical or emergenc*) n1 (assess* or admission*) n3 (unit* or centre* or center* or department*))
S2.	(acute medical n3 (unit* or centre* or center* or department*))
S3.	(clinical decision n3 (unit* or centre* or center* or department*))
S4.	(emergency care n3 (unit* or centre* or center* or department*))
S5.	S1 or S2 or S3 or S4
S6.	Excluded study designs and publication types [A.3.1]
S7.	S5 not S6
S8.	Limit S7 to English language [C]

	Date parameters: Database start date – 01/12/2016
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#### Cochrane search terms

#1.	((acute or medical or emergenc*) near/1 (assess* or admission*) near/3 (unit* or centre* or center* or department*)):ti,ab
#2.	("acute medical" near/3 (unit* or centre* or center* or department*)):ti,ab
#3.	("clinical decision" near/3 (unit* or centre* or center* or department*)):ti,ab
#4.	("emergency care" near/3 (unit* or centre* or center* or department*)):ti,ab
#5.	{or #1-#4} [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*))
#2.	((acute medical adj3 (unit* or centre* or center* or department*))
#3.	((clinical decision adj3 (unit* or centre* or center* or department*))
#4.	((emergency care adj3 (unit* or centre* or center* or department*))
#5.	#1 or #2 or #3 or #4 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.26 Elderly care assessment units

- Does assessment and management during admission through an elderly care assessment unit (ECAU) improve patient outcomes and hospital resource usage?

#### Medline search terms

1.	((elder* or older or frail* or geriatric* or aged or senior*) adj2 (assess* or admission* or evaluat* or consult*) adj2 (unit* or team* or service* or area* or centre* or center* or department*)):ti,ab.
2.	((elder* or older or frail* or geriatric* or aged or senior*) adj2 "evaluation and management"):ti,ab.
3.	((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*)):ti,ab.
4.	(acute medical adj3 (unit* or centre* or center* or department*)):ti,ab.
5.	(clinical decision adj3 (unit* or centre* or center* or department*)):ti,ab.
6.	(emergency care adj3 (unit* or centre* or center* or department*)):ti,ab.
7.	or/3-6
8.	(elder* or older or frail* or geriatric* or aged).ti,ab.
9.	7 and 8
10.	(comprehensive geriatric assess* and (hospital* or inpatient* or emergenc* or ward*)):ti,ab.
11.	1 or 2 or 9 or 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language; Date parameters: Database start date – 01/12/2016 [C]
15.	Study filter ECON (A.3.4)
16.	13 and 15
17.	Limit 16 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	((elder* or older or frail* or geriatric* or aged or senior*) adj2 (assess* or admission* or
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	evaluat* or consult*) adj2 (unit* or team* or service* or area* or centre* or center* or department*)):ti,ab.
2.	((elder* or older or frail* or geriatric* or aged or senior*) adj2 "evaluation and management"):ti,ab.
3.	((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*)):ti,ab.
4.	(acute medical adj3 (unit* or centre* or center* or department*)):ti,ab.
5.	(clinical decision adj3 (unit* or centre* or center* or department*)):ti,ab.
6.	(emergency care adj3 (unit* or centre* or center* or department*)):ti,ab.
7.	or/3-6
8.	(elder* or older or frail* or geriatric* or aged):ti,ab.
9.	7 and 8
10.	(comprehensive geriatric assess* and (hospital* or inpatient* or emergenc* or ward*)):ti,ab.
11.	1 or 2 or 9 or 10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language; Date parameters: Database start date – 01/12/2016 [C]
15.	Study filter ECON (A.3.4)
16.	13 and 15
17.	Limit 16 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	((elder* or older or frail* or geriatric* or aged or senior*) near/2 (assess* or admission* or evaluat* or consult*) near/2 (unit* or team* or service* or area* or centre* or center* or department*)):ti,ab
#2.	((acute or medical or emergenc*) near/1 (assess* or admission*) near/3 (unit* or centre* or center* or department*)):ti,ab
#3.	("acute medical" near/3 (unit* or centre* or center* or department*)):ti,ab
#4.	("clinical decision" near/3 (unit* or centre* or center* or department*)):ti,ab
#5.	("emergency care" near/3 (unit* or centre* or center* or department*)):ti,ab
#6.	{or #2-#5}
#7.	(elder* or older or frail* or geriatric* or aged):ti,ab
#8.	#6 and #7
#9.	((comprehensive next geriatric next assess*) and (hospital* or inpatient* or emergenc* or ward*)):ti,ab
#10.	((elder* or older or frail* or geriatric* or aged or senior*) near/2 "evaluation and management"):ti,ab
#11.	#1 or #8 or #9 or #10 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((((elder* or older or frail* or geriatric* or aged or senior*) adj2 (assess* or admission* or evaluat* or consult*) adj2 (unit* or team* or service* or area* or centre* or center* or department*))))
#2.	(((((acute or medical or emergenc*) adj1 (assess* or admission*) adj3 (unit* or centre* or center* or department*))))))
#3.	(((((acute medical adj3 (unit* or centre* or center* or department*))))))
#4.	(((((clinical decision adj3 (unit* or centre* or center* or department*))))))
#5.	(((((emergency care adj3 (unit* or centre* or center* or department*))))))

#6.	#2 or #3 or #4 or #5
#7.	((elder* or older or frail* or geriatric* or aged)))
#8.	#6 and #7
#9.	((comprehensive geriatric assess* and (hospital* or inpatient* or emergenc* or ward*)))
#10.	#1 or #8 or #9 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.27 Consultant frequency

- What is the most clinically and cost-effective frequency of review by a consultant in AMU, ICU, CCU, stroke units and general medical wards?

##### Medline search terms

1.	((frequen* or hour* or daily or week* or day or interval* or visit* or night*) adj4 ((ward* or teach* or grand* or morning* or attend*) adj1 round*)).ti,ab.
2.	((frequen* or hour* or daily or week* or day or interval*) adj4 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) adj4 (review* or assess* or round* or advi?e* or opinion*)).ti,ab.
3.	((night* adj2 ((intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) adj2 (staff* or resident* or on-call* or cover*))) or cross-cover*).ti,ab.
4.	intentional round*.ti,ab.
5.	or/1-4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

##### Embase search terms

1.	((frequen* or hour* or daily or week* or day or interval* or visit* or night*) adj4 ((ward* or teach* or grand* or morning* or attend*) adj1 round*)).ti,ab.
2.	((frequen* or hour* or daily or week* or day or interval*) adj4 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) adj4 (review* or assess* or round* or advi?e* or opinion*)).ti,ab.
3.	((night* adj2 ((intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) adj2 (staff* or resident* or on-call* or cover*))) or cross-cover*).ti,ab.
4.	intentional round*.ti,ab.
5.	or/1-4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9



11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]
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#### Cochrane search terms

#1.	((frequen* or hour* or daily or week* or day or interval* or visit* or night*) near/4 ((ward* or teach* or grand* or morning* or attend*) near/1 round*)):ti,ab
#2.	((frequen* or hour* or daily or week* or day or interval*) near/4 (intensivist* or consultant* or specialist* or senior*1 or junior*1 or sho or registrar* or spr or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) near/4 (review* or assess* or round* or advi?e* or opinion*)):ti,ab
#3.	((night* near/2 ((intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) near/2 (staff* or resident* or on-call* or cover*))) or cross-cover* or cross next cover*)):ti,ab
#4.	(intentional next round*):ti,ab
#5.	{or #1-#4} [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	(((((frequen* or hour* or daily or week* or day or interval*) ADJ4 (intensivist* or consultant* or specialist* or senior* or junior* or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern* or internship or resident* or fellow* or foundation doctor) ADJ4 (review* or assess* or round* or advi* or opinion*))))))
#2.	((frequen* or hour* or daily or week* or day or interval* or visit* or night*) adj4 ((ward* or teach* or grand* or morning* or attend*) adj1 round*)))
#3.	((night* adj2 ((intensivist* or consultant* or specialist* or senior*1 or junior*1 or SHO or registrar* or SPR or house officer* or houseofficer* or housestaff* or physician* or intern*1 or internship or resident*1 or fellow*1 or foundation doctor) adj2 (staff* or resident* or on-call* or cover*))) or cross-cover*))
#4.	(intentional round*)
#5.	#1 or #2 or #3 or #4
#6.	#5 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.28 Critical care outreach

- Does the provision of a critical care outreach team in secondary care improve outcomes?

#### Medline search terms

1.	hospital rapid response team/
2.	(critical care adj2 outreach).ti,ab.
3.	rapid response team*.ti,ab.
4.	medical emergency team*.ti,ab.
5.	hospital at night.ti,ab.
6.	or/1-5
7.	Excluded study designs and publication types [A.3.1]
8.	6 not 7
9.	Limit 8 to English language; Date parameters: Database start date – 01/12/2016 [C]
10.	Study filter ECON (A.3.4)
11.	8 and 10
12.	Limit 11 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	(critical care adj2 outreach).ti,ab.
2.	rapid response team*.ti,ab.
3.	medical emergency team*.ti,ab.
4.	hospital at night.ti,ab.
5.	code team*.ti,ab.
6.	crash team*.ti,ab.
7.	rapid response system*.ti,ab.
8.	rapid response team/
9.	or/1-8
10.	Excluded study designs and publication types [A.3.1]
11.	9 not 10
12.	Limit 11 to English language; Date parameters: Database start date – 01/12/2016 [C]
13.	Study filter ECON (A.3.4)
14.	11 and 13
15.	Limit 14 to English language; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	[mh "hospital rapid response team"]
#2.	(critical care near/2 outreach):ti,ab
#3.	rapid response team*:ti,ab
#4.	medical emergency team*:ti,ab
#5.	hospital at night:ti,ab
#6.	code team*:ti,ab
#7.	crash team*:ti,ab
#8.	rapid response system*:ti,ab
#9.	{or #1-#8} [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	MeSH descriptor hospital rapid response team explode all trees
#2.	(critical care adj2 outreach)
#3.	(rapid response team*)
#4.	(medical emergency team*)
#5.	(hospital at night)
#6.	#1 or #2 or #3 or #4 or #5 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

## A.4.29 Structured ward rounds

- Do structured ward rounds improve processes and outcomes?

### Medline search terms

1.	exp hospital units/
2.	inpatients/
3.	(inpatient* or hospital* or ward*).ti,ab.
4.	or/1-3
5.	(round or rounds or rounding).ti.

6.	4 and 5
7.	teaching rounds/
8.	((inpatient* or structur* or standard* or hospital* or ward* or daily or morning or afternoon or teach* or doctor* or nurs* or clinic* or check* or physician* or matron* or bedside or bedside or attending or consult* or resident* or intern*) adj3 (round or rounds or rounding)).ti,ab.
9.	(ward adj2 (check* or assess* or review*)).ti,ab.
10.	(daily goal* adj2 (chart* or record* or review* or check*)).ti,ab.
11.	intentional round*.ti,ab.
12.	or/7-11
13.	6 or 12
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language; Date parameters: 1990 – 01/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	ward/
2.	hospital patient/
3.	(inpatient* or hospital* or ward*).ti,ab.
4.	or/1-3
5.	(round or rounds or rounding).ti.
6.	4 and 5
7.	teaching round/
8.	((inpatient* or structur* or standard* or hospital* or ward* or daily or morning or afternoon or teach* or doctor* or nurs* or clinic* or check* or physician* or matron* or bedside or bedside or attending or consult* or resident* or intern*) adj3 (round or rounds or rounding)).ti,ab.
9.	(ward adj2 (check* or assess* or review*)).ti,ab.
10.	intentional round*.ti,ab.
11.	(daily goal* adj2 (chart* or record* or review* or check*)).ti,ab.
12.	or/7-11
13.	6 or 12
14.	Excluded study designs and publication types [A.3.1]
15.	13 not 14
16.	Limit 15 to English language; Date parameters: 1990 – 01/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	MeSH descriptor: [hospital units] explode all trees
#2.	MeSH descriptor: [inpatients] this term only
#3.	(inpatient* or hospital* or ward*):ti,ab
#4.	{or #1-#3}
#5.	(round or rounds or rounding):ti
#6.	#4 and #5

#7.	MeSH descriptor: [teaching rounds] this term only
#8.	((inpatient* or structur* or standard* or hospital* or ward* or daily or morning or afternoon or teach* or doctor* or nurs* or clinic* or check* or physician* or matron* or bedside or bedside or attending or consult* or resident* or intern*) near/3 (round or rounds or rounding)):ti,ab
#9.	(ward near/2 (check* or assess* or review*)):ti,ab
#10.	(intentional next round*):ti,ab
#11.	(daily next goal* near/2 (chart* or record* or review* or check*)):ti,ab
#12.	{or #6-#11} [C]
	Date parameters: 1990 – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor hospital units explode all trees
#2.	MeSH descriptor inpatients
#3.	(inpatient* or hospital* or ward*)
#4.	#1 or #2 or #3
#5.	(round or rounds or rounding)
#6.	#4 and #5
#7.	MeSH descriptor teaching rounds
#8.	((inpatient* or structur* or standard* or hospital* or ward* or daily or morning or afternoon or teach* or doctor* or nurs* or clinic* or check* or physician* or matron* or bedside or bedside or attending or consult* or resident* or intern*) adj3 (round or rounds or rounding))
#9.	((ward adj2 (check* or assess* or review*)))
#10.	(intentional round*)
#11.	((daily goal* adj2 (chart* or record* or review* or check*)))
#12.	#6 or #7 or #8 or #9 or #10 or #11 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.30 MDTs

- Do ward multidisciplinary team meetings (MDTs) improve processes and patient outcomes?

#### Medline & Embase search terms

1.	((interdisciplinary or inter-disciplinary or multidisciplinary or multi-disciplinary or multi-professional* or multiprofessional*) adj2 (team* or meeting* or manag* or appointment* or care or intervention* or ward* or round*)) or mdt or idt).ti.
2.	Excluded study designs and publication types [A.3.1]
3.	1 not 2
4.	Limit 3 to English language; Date parameters: Database start date – 01/12/2016 [C]
5.	Study filter ECON (A.3.4)
6.	3 and 5
7.	Limit 6 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	((interdisciplinary or inter-disciplinary or multidisciplinary or multi-disciplinary or multi-professional* or multiprofessional*) near/2 (team* or meeting* or manag* or appointment* or appointment* or care or intervention* or ward* or round*)) or mdt or idt):ti [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	(((interdisciplinary or inter-disciplinary or multidisciplinary or multi-disciplinary or multi-professional* or multiprofessional*) adj2 (team* or meeting* or manag* or appointment* or care or intervention* or ward* or round*)) or mdt or idt))
#2.	#1 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.31 Pharmacist support

- Do ward-based pharmacists improve patient outcomes?

##### Medline search terms

1.	pharmacists/
2.	pharmacists' aides/
3.	exp hospital units/
4.	1 or 2
5.	3 and 4
6.	((pharmacist* or pharmacy or pharmacies) adj4 (ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*).ti,ab.
7.	(case manage* adj1 (pharmacy or pharmacies or pharmacist*).ti,ab.
8.	(clinical adj1 (pharmacy or pharmacies or pharmacist*).ti,ab.
9.	pharmaceutical care.ti,ab.
10.	(medicine* adj (management or optimi* or reconciliat*).ti,ab.
11.	or/8-10
12.	(hospital* or secondary care or ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*).ti,ab.
13.	11 and 12
14.	or/5-7,13
15.	Excluded study designs and publication types [A.3.1]
16.	15 not 15
17.	Limit 16 to English language
18.	Study filters RCT (A.3.2) or SR (A.3.3)
19.	Study filter ECON (A.3.4)
20.	17 and 18; Date parameters: Database start date – 01/12/2016 [C]
21.	17 and 19; Date parameters: 2005 – 01/12/2016 [HE]

##### Embase search terms

1.	*pharmacist/
2.	*clinical pharmacy/
3.	or/1-2
4.	exp *ward/
5.	3 and 4
6.	((pharmacist* or pharmacy or pharmacies) adj4 (ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*).ti,ab.
7.	(case manage* adj1 (pharmacy or pharmacies or pharmacist*).ti,ab.
8.	(clinical adj1 (pharmacy or pharmacies or pharmacist*).ti,ab.
9.	pharmaceutical care.ti,ab.
10.	(medicine* adj (management or optimi* or reconciliat*).ti,ab.
11.	or/8-10

12.	(hospital* or secondary care or ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*).ti,ab.
13.	11 and 12
14.	or/5-7,13
15.	Excluded study designs and publication types [A.3.1]
16.	14 not 15
17.	Limit 16 to English language
18.	Study filters RCT (A.3.2) or SR (A.3.3)
19.	Study filter ECON (A.3.4)
20.	17 and 18; Date parameters: Database start date – 01/12/2016 [C]
21.	17 and 19; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	[mh ^pharmacists]
#2.	[mh ^"pharmacists' aides"]
#3.	#1 or #2
#4.	[mh "hospital units"]
#5.	#3 and #4
#6.	((pharmacist* or pharmacy or pharmacies) near/4 (ward* or unit* or icu or "intensive care" or ccu or "critical care" or "acute care" or "urgent care" or emergenc*)):ti,ab
#7.	(case next manage* near/1 (pharmacy or pharmacies or pharmacist*)):ti,ab
#8.	(clinical near/1 (pharmacy or pharmacies or pharmacist*)):ti,ab
#9.	pharmaceutical next care:ti,ab
#10.	(medicine* next (management or optimi* or reconciliat*)):ti,ab
#11.	#8 or #9 or #10
#12.	(hospital* or "secondary care" or ward* or unit* or icu or "intensive care" or ccu or "critical care" or "acute care" or "urgent care" or emergenc*):ti,ab
#13.	#11 and #12
#14.	#5 or #6 or #7 or #13 [C]
	Date parameters: Database start date – 01/12/2016

### CRD search terms

#1.	MeSH descriptor pharmacists
#2.	MeSH descriptor pharmacists' aides explode all trees
#3.	MeSH descriptor hospital units explode all trees
#4.	((pharmacist* or pharmacy or pharmacies) adj4 (ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*))
#5.	((case manage* adj1 (pharmacy or pharmacies or pharmacist*))
#6.	((clinical adj1 (pharmacy or pharmacies or pharmacist*))
#7.	(pharmaceutical care)
#8.	((medicine* adj (management or optimi* or reconciliat*))
#9.	((hospital* or secondary care or ward* or unit* or icu or intensive care or ccu or critical care or acute care or urgent care or emergenc*))
#10.	#1 or #2
#11.	#3 and #10
#12.	#6 or #7 or #8
#13.	#9 and #12

#14.	#4 or #5 or #11 or #13 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.32 Enhanced therapy access

- Is enhanced access to physiotherapy and/or occupational therapy for hospital patients clinically and cost effective?

##### Medline search terms

1.	physical therapists/
2.	physical therapy department, hospital/
3.	physical therapist assistants/
4.	(physical therap* or physiotherap*).ti,ab.
5.	occupational therapy/
6.	(occupational therap* or ot).ti,ab.
7.	rehabilitation/
8.	physical rehab*.ti,ab.
9.	physical therapy modalities/
10.	or/1-9
11.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard*) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
12.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) adj3 (service* or access* or availab* or hour* or appointment*)).ti,ab.
13.	after-hours care/
14.	workload/
15.	or/11-14
16.	10 and 15
17.	Excluded study designs and publication types [A.3.1]
18.	16 not 17
19.	Limit 18 to English language
20.	Study filter ECON (A.3.4)
21.	19 [C]
22.	19 and 20 [HE]
	Date parameters: 2005 – 01/12/2016

##### Embase search terms

1.	*physiotherapist/
2.	physiotherapist assistant/
3.	*physiotherapy/
4.	(physical therap* or physiotherap*).ti,ab.
5.	*occupational therapy/
6.	(occupational therap* or OT).ti,ab.
7.	*rehabilitation/
8.	physical rehab*.ti,ab.
9.	*physiotherapy practice/
10.	or/1-9

11.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard*) adj3 (service* or access* or availab* or hour* or appointment*)):ti,ab.
12.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or Monday-Friday or Saturday or Sunday) adj3 (service* or access* or availab* or hour* or appointment*)):ti,ab.
13.	*workload/
14.	or/11-13
15.	Excluded study designs and publication types [A.3.1]
16.	14 not 15
17.	Limit 16 to English language
18.	Study filter ECON (A.3.4)
19.	17 [C]
20.	17 and 18 [HE]
	Date parameters: 2005 – 01/12/2016

### CINAHL search terms

S1.	(MH "physical therapists") or (MH "physical therapist assistants") or (MH "physical therapy")
S2.	(MH "occupational therapy") or (MH "occupational therapy assistants")
S3.	(physical therap* or physiotherap* or occupational therap* or ot or physical rehab*)
S4.	(MH "Rehabilitation")
S5.	S1 or S2 or S3 or S4
S6.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard*) n3 (service* or access* or availab* or hour* or appointment*))
S7.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or Monday-Friday or Saturday or Sunday) n3 (service* or access* or availab* or hour* or appointment*))
S8.	(MH "workload")
S9.	S6 or S7 or S8
S10.	S5 and S9
S11.	Limit S10 to English language [C]
	Date parameters: 2005 – 01/12/2016

### Cochrane search terms

#1.	MeSH descriptor: [physical therapists] this term only
#2.	MeSH descriptor: [physical therapy department, hospital] this term only
#3.	MeSH descriptor: [physical therapist assistants] this term only
#4.	(physical therap* or physiotherap*):ti,ab
#5.	MeSH descriptor: [occupational therapy] this term only
#6.	(occupational therap* or ot):ti,ab
#7.	MeSH descriptor: [rehabilitation] this term only
#8.	physical rehab*:ti,ab
#9.	MeSH descriptor: [physical therapy modalities] this term only
#10.	{or #1-#9}
#11.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard*) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab



#12.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) near/3 (service* or access* or availab* or hour* or appointment*)):ti,ab
#13.	MeSH descriptor: [after-hours care] this term only
#14.	MeSH descriptor: [workload] this term only
#15.	{or #11-#14}
#16.	#10 and #15 [C]
	Date parameters: 2005 – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor physical therapists
#2.	MeSH descriptor physical therapy department, hospital
#3.	MeSH descriptor occupational therapy
#4.	MeSH descriptor physical therapy specialty
#5.	MeSH descriptor rehabilitation
#6.	(physical therap* or physiotherap*)
#7.	(occupational therap* or ot)
#8.	(physical rehab*)
#9.	MeSH descriptor physical therapy modalities
#10.	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9)
#11.	((restrict* or intensiv* or frequen* or flexible or flexitime or enhance* or round-the-clock or extend* or routine or standard*) adj3 (service* or access* or availab* or hour* or appointment*))
#12.	((morning* or evening* or weekday or weekend* or 7 day or seven day or seven-day or after-hour* or 24 hour* or 24hour* or twenty-four-hour* or out-of-hour* or 9-5 or monday-friday or saturday or sunday) adj3 (service* or access* or availab* or hour* or appointment*))
#13.	MeSH descriptor after-hours care
#14.	MeSH descriptor workload
#15.	#11 or #12 or #13 or #14
#16.	#10 and #15 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.33 Structured patient handovers

- Do structured patient handovers between healthcare professionals improve outcomes?

#### Medline search terms

1.	patient handoff/
2.	((handover* or hand-over* or handoff* or hand-off*) adj2 (patient* or clinical or nurse* or nursing or doctor* or physician* or structur* or electronic* or form* or chart* or paper* or table* or checklist* or check-list* or team* or record* or system* or quality or shift* or duty or resident* or protocol* or process* or standard* or verbal* or telephon* or paramedic* or interprofessional* or inter-professional* or meeting* or triage*)):ti,ab.
3.	sbar.ti,ab.
4.	documentation/
5.	*"forms and records control"/
6.	*nursing records/
7.	or/4-6
8.	(handover* or hand-over* or handoff* or hand-off*).ti,ab.

9.	7 and 8
10.	(round* adj2 report*).ti,ab.
11.	(sign-out* and round*).ti,ab.
12.	or/1-3,9-11
13.	Excluded study designs and publication types [A.3.1]
14.	12 not 13
15.	Limit 14 to English language;
16.	Study filter ECON (A.3.4)
17.	15 [C]
18.	15 and 16 [HE]
	Date parameters: 2005 – 02/12/2016

### Embase search terms

1.	clinical handover/ or "change of shift report"/
2.	((handover* or hand-over* or handoff* or hand-off*) adj2 (patient* or clinical or nurse* or nursing or doctor* or physician* or structur* or electronic* or form* or chart* or paper* or table* or checklist* or check-list* or team* or record* or system* or quality or shift* or duty or resident* or protocol* or process* or standard* or verbal* or telephon* or paramedic* or interprofessional* or inter-professional* or meeting* or triage*).ti,ab.
3.	*documentation/ or *medical documentation/
4.	(handover* or hand-over* or handoff* or hand-off*).ti,ab.
5.	3 and 4
6.	SBAR.ti,ab.
7.	(round* adj2 report*).ti,ab.
8.	(sign-out* and round*).ti,ab.
9.	or/1-2,5-8
10.	Excluded study designs and publication types [A.3.1]
11.	9 not 10
12.	Limit 11 to English language
13.	Study filter ECON (A.3.4)
14.	12 [C]
15.	12 and 13 [HE]
	Date parameters: 2005 – 02/12/2016

### Cochrane search terms

#1.	[mh "patient handoff"]
#2.	((handover* or hand-over* or hand next over* or handoff* or hand-off* or hand next off*) near/2 (patient* or clinical or nurse* or nursing or doctor* or physician* or structur* or electronic* or form* or chart* or paper* or table* or checklist* or check-list* or team* or record* or system* or quality or shift* or duty or resident* or protocol* or process* or standard* or verbal* or telephon* or paramedic* or interprofessional* or inter-professional* or meeting* or triage*)):ti,ab
#3.	sbar:ti,ab
#4.	(round* near/2 report*):ti,ab
#5.	(sign-out* and round*):ti,ab
#6.	[mh ^documentation]
#7.	[mh ^"forms and records control"]
#8.	[mh ^"nursing Records"]

#9.	#6 or #7 or #8
#10.	(handover* or hand-over* or hand next over* or handoff* or hand-off* or hand next off*):ti,ab
#11.	#9 and #10
#12.	#1 or #2 or #3 or #4 or #5 or #11 [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms

#1.	MeSH descriptor patient handoff
#2.	((handover* or hand-over* or handoff* or hand-off*) adj2 (patient* or clinical or nurse* or nursing or doctor* or physician* or structur* or electronic* or form* or chart* or paper* or table* or checklist* or check-list* or team* or record* or system* or quality or shift* or duty or resident* or protocol* or process* or standard* or verbal* or telephon* or paramedic* or interprofessional* or inter-professional* or meeting* or triage*))
#3.	(sbar)
#4.	MeSH descriptor documentation
#5.	MeSH descriptor forms and records control
#6.	MeSH descriptor nursing records
#7.	#4 or #5 or #6
#8.	((handover* or hand-over* or handoff* or hand-off*))
#9.	#7 and #8
#10.	#1 or #2 or #3 or #9 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.34 Integrated patient information systems

- Do integrated patient information systems throughout the AME pathway (primary and secondary care) improve patient outcomes?

#### Medline search terms

1.	dossier medical personnel.ti,ab.
2.	summary care record*.ti,ab.
3.	(summar* adj2 patient* record*).ti,ab.
4.	(((((health* or patient* or electronic* or medical or care) adj2 (record* or detail* or summary or summaries)) or scr or scrs) adj3 (access* or view* or share* or integrat* or standard*)).ti,ab.
5.	("patient information" adj2 (system* or database*) adj3 (access* or view* or share* or integrat* or standard*)).ti,ab.
6.	electronic health records/ or *health records, personal/ or medical records systems, computerized/ or medical record linkage/ or access to information/ or patient access to records/
7.	"delivery of health care, integrated"/
8.	patient care management/
9.	continuity of care/
10.	patient centered care/
11.	or/7-10
12.	6 and 11
13.	or/1-5,12
14.	Excluded study designs and publication types [A.3.1]

15.	13 not 14
16.	Limit 15 to English language; Date parameters: Database start date – 02/12/2016 [C]
17.	Study filter ECON (A.3.4)
18.	15 and 17
19.	Limit 18 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Embase search terms

1.	dossier medical personnel.ti,ab.
2.	summary care record*.ti,ab.
3.	(summar* adj2 patient* record*).ti,ab.
4.	(((((health* or patient* or electronic* or medical or care) adj2 (record* or detail* or summary or summaries)) or scr or scrs) adj3 (access* or view* or share* or integrat* or standard*)).ti,ab.
5.	("patient information" adj2 (system* or database*) adj3 (access* or view* or share* or integrat* or standard*)).ti,ab.
6.	*electronic medical record/
7.	*documentation/ or *medical documentation/
8.	*information system/
9.	*access to information/
10.	or/6-9
11.	*integrated health care system/
12.	*patient care/
13.	11 or 12
14.	10 and 13
15.	or/1-5,14
16.	Excluded study designs and publication types [A.3.1]
17.	15 not 16
18.	Limit 17 to English language; Date parameters: Database start date – 02/12/2016 [C]
19.	Study filter ECON (A.3.4)
20.	17 and 19
21.	Limit 20 to English language; Date parameters: 2005 – 02/12/2016 [HE]

#### Cochrane search terms

#1.	("dossier medical personnel"):ti,ab
#2.	(summary next care next record*):ti,ab
#3.	(summar* near/2 patient* next record*):ti,ab
#4.	(((((health* or patient* or electronic* or medical or care) near/2 (record* or detail* or summary or summaries)) or scr or scrs) near/3 (access* or view* or share* or integrat* or standard*)):ti,ab
#5.	("patient information" near/2 (system* or database*) near/3 (access* or view* or share* or integrat* or standard*)):ti,ab
#6.	[mh ^"electronic health records"]
#7.	[mh ^"health records, personal"]
#8.	[mh ^"medical records systems, computerized"]
#9.	[mh ^"medical record linkage"]
#10.	[mh ^"access to information"]
#11.	[mh ^"patient access to records"]

#12.	{or #1-#11} [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms

#1.	("dossier medical personnel")
#2.	(summary care record*)
#3.	((summar* adj2 patient* record*))
#4.	(((((health* or patient* or electronic* or medical or care) adj2 (record* or detail* or summary or summaries)) or scr or scrs) adj3 (access* or view* or share* or integrat* or standard*)))
#5.	((("patient information" adj2 (system* or database*) adj3 (access* or view* or share* or integrat* or standard*)))
#6.	MeSH descriptor electronic health records
#7.	MeSH descriptor health records, personal
#8.	MeSH descriptor medical records systems, computerized
#9.	MeSH descriptor medical record linkage
#10.	MeSH descriptor access to information explode all trees
#11.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.35 Hospital transfers

- Do standardised systems of care for intra- and inter-hospital transfers of critically ill patients improve outcomes?

#### Medline search terms

1.	patient transfer/
2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or scor* or guide*).ti.
3.	1 and 2
4.	((hospital* or patient* or ward* or interhospital* or inter-hospital* or intrahospital* or intra-hospital*) adj3 (transfer* or dump* or transport*) adj4 (standard* or system* or criteri* or checklist* or plan* or polic* or procedure* or process* or model* or strateg* or method* or protocol* or scor* or guide*).ti,ab.
5.	3 or 4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	*patient transport/
2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or scor* or guide*).ti.
3.	1 and 2
4.	((hospital* or patient* or ward* or interhospital* or inter-hospital* or intrahospital* or intra-hospital*) adj3 (transfer* or dump* or transport*) adj4 (standard* or system* or criteri* or checklist* or plan* or polic* or procedure* or process* or model* or strateg* or method* or protocol* or scor* or guide*).ti,ab.

5.	3 or 4
6.	Excluded study designs and publication types [A.3.1]
7.	5 not 6
8.	Limit 7 to English language; Date parameters: Database start date – 01/12/2016 [C]
9.	Study filter ECON (A.3.4)
10.	7 and 9
11.	Limit 10 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	[mh ^"patient transfer"]
#2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or scor* or guide*):ti
#3.	#1 and #2
#4.	((hospital* or patient* or ward* or interhospital* or inter-hospital* or intrahospital* or intra-hospital*) near/3 (transfer* or dump* or transport*) near/4 (standard* or system* or criteri* or checklist* or plan* or polic* or procedure* or process* or model* or strateg* or method* or protocol* or scor* or guide*)):ti,ab
#5.	#3 or #4 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor patient transfer
#2.	((hospital* or patient* or ward* or interhospital* or inter-hospital* or intrahospital* or intra-hospital*) adj3 (transfer* or dump* or transport*) adj4 (standard* or system* or criteri* or checklist* or plan* or polic* or procedure* or process* or model* or strateg* or method* or protocol* or scor* or guide*))
#3.	#1 or #2 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.36 Discharge planning

- Does discharge planning facilitate early hospital discharge?

This search was an update of the search for a Cochrane review.:

Goncalves-Bradley DC, Lannin NA, Clemson LM, Cameron ID, Shepperd S. Discharge planning from hospital. Cochrane Database of Systematic Reviews. 2016; Issue 1:CD000313.  
DOI:10.1002/14651858.CD000313.pub5

#### Medline search terms

1.	(discharge and (plan* or service? or program* or intervention?)).ti.
2.	*patient discharge/
3.	(patient* adj2 discharge*).ti,ab.
4.	(hospital adj2 discharge*).ti,ab.
5.	(discharge adj2 plan*).ti,ab.
6.	(discharge adj (service? or program* or procedure*)).ti,ab.
7.	or/2-6
8.	*"continuity of patient care"/
9.	*"length of stay"/
10.	patient readmission/
11.	(readmission or readmitted or re-admission or re-admitted).ti,ab.

12.	(rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed).ti,ab.
13.	length of stay.ti,ab.
14.	length of hospital stay.ti,ab.
15.	((hospital or hospitali?ed or bed) adj2 days).ti,ab.
16.	or/8-15
17.	7 and 16
18.	1 or 17
19.	Excluded study designs and publication types [A.3.1]
20.	18 not 19
21.	Limit 20 to English language
22.	Study filter RCT (A.3.2)
23.	Study filter ECON (A.3.4)
24.	21 and 22; Date parameters: 2015 – 01/12/2016 [C]
25.	21 and 23; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	(discharge and (plan* or service? or program* or intervention?)).ti.
2.	*patient discharge/
3.	((patient* or hospital) adj2 discharge*).ti,ab.
4.	(discharge adj2 plan*).ti,ab.
5.	(discharge adj (service* or program* or procedure*)).ti,ab.
6.	or/2-5
7.	*"continuity of patient care"/
8.	*"length of stay"/
9.	patient readmission/
10.	(readmission or readmitted or re-admission or re-admitted).ti,ab.
11.	(rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed).ti,ab.
12.	length of stay.ti,ab.
13.	length of hospital stay.ti,ab.
14.	((hospital or hospitali?ed or bed) adj2 days).ti,ab.
15.	or/7-14
16.	6 and 15
17.	1 or 16
18.	Excluded study designs and publication types [A.3.1]
19.	17 not 18
20.	Limit 19 to English language
21.	Study filter RCT (A.3.2)
22.	Study filter ECON (A.3.4)
23.	20 and 21; Date parameters: 2015 – 01/12/2016 [C]
24.	20 and 22; Date parameters: 2005 – 01/12/2016 [HE]

### Cochrane search terms

#1.	(discharge and (plan* or service? or program* or intervention?)):ti
#2.	[mh "patient discharge"]
#3.	((patient* or hospital) near/2 discharge):ti,ab,kw
#4.	(discharge near/2 plan*):ti,ab,kw

#5.	discharge service* or "discharge program*" or "discharge procedure*":ti,ab,kw
#6.	#2 or #3 or #4 or #5
#7.	[mh "patient readmission"]
#8.	[mh "length of stay"]
#9.	[mh ^"continuity of patient care"]
#10.	(readmission or readmitted or re-admission or re-admitted):ti,ab,kw
#11.	(rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed):ti,ab,kw
#12.	length of stay:ti,ab,kw
#13.	length of hospital stay:ti,ab,kw
#14.	((hospital or hospitali?ed or bed) near/2 days):ti,ab,kw
#15.	{or #7-#14}
#16.	#6 and #15
#17.	#1 or #16 [C]
	Date parameters: 2015 – 01/12/2016

### CINAHL search terms

S1.	ti (discharge and (plan* or service? or program* or intervention?))
S2.	(mh "discharge planning")
S3.	S1 or S2
S4.	(mm "patient discharge education") or (mm "patient discharge") or (mm "early patient discharge")
S5.	ti patient* n2 discharge* or ab patient* n2 discharge*
S6.	ti hospital n2 discharge* or ab hospital n2 discharge*
S7.	ti discharge* n2 plan* or ab discharge* n2 plan*
S8.	ti discharge service* or ab discharge service*
S9.	ti discharge program* or ab discharge program*
S10.	ti discharge procedure* or ab discharge procedure*
S11.	S4 or S5 or S6 or S7 or S8 or S9 or S10
S12.	(mm "continuity of patient care")
S13.	(mh "length of stay")
S14.	(mh "readmission")
S15.	ti ( readmission or readmitted or re-admission or re-admitted ) or ab ( readmission or readmitted or re-admission or re-admitted )
S16.	ti ( rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed ) or ab ( rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed )
S17.	ti length n2 stay or ab length n2 stay
S18.	ti length n2 hospital stay or ab length n2 hospital stay
S19.	ti ( ((hospital or hospitali?ed or bed) n2 days) ) or ab ( ((hospital or hospitali?ed or bed) n2 days) )
S20.	S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19
S21.	S11 and S20
S22.	S3 or S21
S23.	( (mh "experimental studies+") or (mh "treatment outcomes+") ) or ti random* or ab random*
S24.	S22 and S23
S25.	Limit S24 to English language [C]
	Date parameters: 2015 – 01/12/2016



### CRD search terms

#1.	((discharge and (plan* or service* or program* or intervention*)));ti
#2.	MeSH descriptor patient discharge
#3.	(patient* adj2 discharge*)
#4.	(hospital adj2 discharge*)
#5.	(discharge adj2 plan*)
#6.	((discharge adj (service* or program* or procedure*)))
#7.	#2 or #3 or #4 or #5 or #6
#8.	MeSH descriptor continuity of patient care
#9.	MeSH descriptor length of stay
#10.	MeSH descriptor patient readmission
#11.	(readmission or readmitted or re-admission or re-admitted)
#12.	(rehospitali?ation* or re-hospitali?ation* or rehospitali?ed or re-hospitali?ed)
#13.	(length of stay)
#14.	(length of hospital stay)
#15.	((hospital or hospitali?ed or bed) adj2 days))
#16.	#8 or #9 or #10 or #11 or #12 or #13 or #14 or #15
#17.	#7 and #16
#18.	#1 or #17 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.37 Discharge criteria

- Do standardised criteria for hospital discharge facilitate earlier discharge and/or reduce readmission rates?

### Medline search terms

1.	patient discharge/
2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or guideline* or guidance or score or scores or scoring).ti.
3.	1 and 2
4.	((hospital* or patient*) adj3 discharg* adj3 (standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model* or strateg* or method* or protocol* or score or scores or scoring)).ti,ab.
5.	(discharg* and (blatchford* or curb65 or crb65 or curb-65 or crb-65 or grace scor* or heart scor* or qadmission* or q-admission*)).ti,ab.
6.	(discharg* adj2 (protocol* or guideline* or guidance)).ti,ab.
7.	or/3-6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language
11.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.6)
12.	Study filter ECON (A.3.4)
13.	10 and 11; Date parameters: Database start date – 01/12/2016 [C]
14.	10 and 12; Date parameters: 2005 – 01/12/2016 [HE]

### Embase search terms

1.	*hospital discharge/
----	----------------------

2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or guideline* or guidance or score or scores or scoring).ti.
3.	1 and 2
4.	((hospital* or patient*) adj3 discharg* adj3 (standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model* or strateg* or method* or protocol* or score or scores or scoring)).ti,ab.
5.	(discharg* and (blatchford* or curb65 or crb65 or curb-65 or crb-65 or grace scor* or heart scor* or qadmission* or q-admission*)).ti,ab.
6.	(discharg* adj2 (protocol* or guideline* or guidance)).ti,ab.
7.	or/3-6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language
11.	Study filters RCT (A.3.2) or SR (A.3.3) or OBS (A.3.6)
12.	Study filter ECON (A.3.4)
13.	10 and 11; Date parameters: Database start date – 01/12/2016 [C]
14.	10 and 12; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	MeSH descriptor: [patient discharge] this term only
#2.	(standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or guideline* or guidance or score or scores or scoring):ti
#3.	#1 and #2
#4.	((hospital* or patient*) near/3 discharg* near/3 (standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model* or strateg* or method* or protocol* or score or scores or scoring)):ti,ab
#5.	(discharg* and (blatchford* or curb65 or crb65 or curb-65 or crb-65 or grace scor* or heart scor* or qadmission* or q-admission*))):ti,ab
#6.	(discharg* near/2 (protocol* or guideline* or guidance)):ti,ab
#7.	#3 or #4 or #5 or #6 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor patient discharge explode all trees
#2.	((standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model or strateg* or method* or protocol* or guideline* or guidance or score or scores or scoring))
#3.	#1 and #2
#4.	((((hospital* or patient*) adj3 discharg* adj3 (standard* or system* or criteria or checklist* or plan* or polic* or procedure* or model* or strateg* or method* or protocol* or score or scores or scoring)))
#5.	((discharg* and (blatchford* or curb65 or crb65 or curb-65 or crb-65 or grace scor* or heart scor* or qadmission* or q-admission*)))
#6.	((discharg* adj2 (protocol* or guideline* or guidance)))
#7.	#3 or #4 or #5 or #6 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.38 Post discharge early follow up clinics

- Do post discharge early follow up clinics optimise patient outcomes?

### Medline search terms

1.	(after discharge* or hospital discharge* or post admission* or post discharge* or postdischarge* or posthospitali#ation* or post hospitali#ation* or out patient or outpatient or out-patient).ti,ab.
2.	outpatients/
3.	or/1-2
4.	((followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative) adj3 (clinic or clinics)).ti,ab.
5.	(followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative).ti,ab. and outpatient clinics, hospital/
6.	4 or 5
7.	3 and 6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language; Date parameters: Database start date – 02/12/2016 [C]
11.	Study filter ECON (A.3.4)
12.	9 and 11
13.	Limit 12 to English language Date parameters: 2005 – 02/12/2016; [HE]

### Embase search terms

1.	(after discharge* or hospital discharge* or post admission* or post discharge* or postdischarge* or posthospitali#ation* or post hospitali#ation* or out patient or outpatient or out-patient).ti,ab.
2.	outpatient/
3.	or/1-2
4.	((followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative) adj3 (clinic or clinics)).ti,ab.
5.	(followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative).ti,ab. and *outpatient department/
6.	4 or 5
7.	3 and 6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language; Date parameters: Database start date – 02/12/2016 [C]
11.	Study filter ECON (A.3.4)
12.	9 and 11
13.	Limit 12 to English language; Date parameters: 2005 – 02/12/2016 [HE]

### Cochrane search terms

#1.	(after discharge* or hospital discharge* or post admission* or post discharge* or postdischarge* or posthospitali?ation* or post hospitali?ation* or out patient or outpatient or out-patient):ti,ab
#2.	MeSH descriptor: [outpatients] this term only
#3.	{or #1-#2}
#4.	((followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative) near/3 (clinic or clinics)):ti,ab
#5.	(followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative):ti,ab
#6.	MeSH descriptor: [outpatient clinics, hospital] this term only

#7.	#5 and #6
#8.	#4 or #7
#9.	#3 and #8 [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms

#1.	((after discharge* or hospital discharge* or post admission* or post discharge* or postdischarge* or posthospitali#ation* or post hospitali#ation* or out patient or outpatient or out-patient))
#2.	MeSH descriptor outpatients
#3.	#1 or #2
#4.	((followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative) adj3 (clinic or clinics))
#5.	((followup* or follow up* or follow-up* or post critical care or post icu care or critical illness or postoperative or post operative))
#6.	MeSH descriptor outpatient clinics, hospital
#7.	#5 and #6
#8.	#4 or #7
#9.	#3 and #8 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.39 Integrated care

- Do integrated care models improve patient outcomes?

#### Medline search terms

1.	"delivery of health care, integrated"/
2.	(integrat* adj2 (care or health*)).ti,ab.
3.	(shared care or one-stop clinic* or one stop clinic* or patient management or patient care team*).ti,ab.
4.	hospitals, high-volume/
5.	*tertiary care centers/
6.	centralized hospital services/
7.	(hub adj2 spoke).ti,ab.
8.	((hub or spoke) adj2 (hospital* or site* or centre* or center* or unit*)).ti,ab.
9.	(high-volume adj2 (hospital* or site* or centre* or center* or unit*)).ti,ab.
10.	patient care team/
11.	or/1-10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language
15.	Study filter RCT (A.3.2)
16.	Study filter ECON (A.3.4)
17.	14 and 15; Date parameters: Database start date – 01/12/2016 [C]
18.	13 and 16; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	*integrated health care system/
2.	(integrat* adj2 (care or health*)).ti,ab.

3.	(shared care or one-stop clinic* or one stop clinic* or patient management or patient care team*).ti,ab.
4.	high volume hospital/
5.	*tertiary care center/
6.	hospital management/
7.	(hub adj2 spoke).ti,ab.
8.	((hub or spoke) adj2 (hospital* or site* or centre* or center* or unit*)).ti,ab.
9.	(high-volume adj2 (hospital* or site* or centre* or center* or unit*)).ti,ab.
10.	*patient care/
11.	Or/1-10
12.	Excluded study designs and publication types [A.3.1]
13.	12 not 13
14.	Limit 13 to English language
15.	Study filter RCT (A.3.2)
16.	Study filter ECON (A.3.4)
17.	14 and 15; Date parameters: Database start date – 01/12/2016 [C]
18.	14 and 16; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	MeSH descriptor: [delivery of health care, integrated] this term only
#2.	(integrate* near/2 (care or healthcare)):ti,ab
#3.	(shared care or one-stop clinic* or one stop clinic* or patient management or patient care team*) .ti,ab
#4.	MeSH descriptor: [hospitals, high-volume] this term only
#5.	MeSH descriptor: [tertiary care centers] this term only
#6.	MeSH descriptor: [centralized hospital services] this term only
#7.	(hub near/2 spoke):ti,ab
#8.	((hub or spoke) near/2 (hospital* or site* or centre* or center* or unit*)):ti,ab
#9.	(high-volume near/2 (hospital* or site* or centre* or center* or unit*)):ti,ab
#10.	MeSH descriptor: [patient care team] this term only
#11.	{or #1-#10} [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	MeSH descriptor delivery of health care, integrated
#2.	((integrat* adj2 (care or health*)))
#3.	((shared care or one-stop clinic* or one stop clinic* or patient management))
#4.	MeSH descriptor hospitals, high-volume
#5.	MeSH descriptor tertiary care centers
#6.	MeSH descriptor centralized hospital services
#7.	((hub adj2 spoke))
#8.	((((hub or spoke) adj2 (hospital* or site* or centre* or center* or unit*)))
#9.	((high-volume adj2 (hospital* or site* or centre* or center* or unit*)))
#10.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

#### A.4.40 Bed capacity

- What is the appropriate level of bed occupancy in hospital to facilitate optimal patient flow?

##### Medline search terms

1.	exp *hospital bed capacity/
2.	*bed occupancy/
3.	((bed or beds) adj2 (demand* or occupanc*)).ti,ab.
4.	(hospital* adj2 (capacit* or occpnc* or flow)).ti,ab.
5.	((emergency or ed) adj2 (overcrowd* or over-crowd* or boarding)).ti,ab.
6.	((bed or beds) adj1 block*).ti,ab.
7.	access block*.ti,ab.
8.	((admission* or admit*) adj2 delay*).ti,ab.
9.	or/1-8
10.	Excluded study designs and publication types [A.3.1]
11.	9 not 10
12.	Limit 11 to English language; Date parameters: Database start date – 02/12/2016 [C]
13.	Study filter ECON (A.3.4)
14.	11 and 13
15.	Limit 14 to English language; Date parameters: 2005 – 02/12/2016 [HE]

##### Embase search terms

1.	*hospital bed utilization/
2.	exp *hospital bed capacity/
3.	((bed or beds) adj2 (demand* or occupanc*)).ti,ab.
4.	(hospital* adj2 (capacit* or occpnc* or flow)).ti,ab.
5.	((emergency or ed) adj2 (overcrowd* or over-crowd* or boarding)).ti,ab.
6.	((bed or beds) adj1 block*).ti,ab.
7.	access block*.ti,ab.
8.	((admission* or admit*) adj2 delay*).ti,ab.
9.	or/1-8
10.	Excluded study designs and publication types [A.3.1]
11.	9 not 10
12.	Limit 11 to English language; Date parameters: Database start date – 02/12/2016 [C]
13.	Study filter ECON (A.3.4)
14.	11 and 13
15.	Limit 14 to English language; Date parameters: 2005 – 02/12/2016 [HE]

##### Cochrane search terms

#1.	[mh "hospital bed capacity"]
#2.	[mh ^"bed occupancy"]
#3.	((bed or beds) near/2 (demand* or occupanc*)):ti,ab
#4.	(hospital* near/2 (capacit* or occpnc* or flow)):ti,ab
#5.	((emergency or ed) near/2 (overcrowd* or over-crowd* or boarding)):ti,ab
#6.	((bed or beds) near/1 block*):ti,ab
#7.	access next block*:ti,ab
#8.	((admission* or admit*) near/2 delay*):ti,ab
#9.	{or #1-#8} [C]

	Date parameters: Database start date – 02/12/2016
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#### HMIC search terms

1.	bed occupancy/ or bed availability/ or bed occupancy rates/ or blocked beds/
2.	((bed or beds) adj2 (demand* or occupanc*).ti,ab.
3.	(hospital* adj2 (capacit* or occpnc* or flow)).ti,ab.
4.	((emergency or ed) adj2 (overcrowd* or over-crowd* or boarding)).ti,ab.
5.	overcrowding/
6.	((bed or beds) adj1 block*).ti,ab.
7.	access block*.ti,ab.
8.	((admission* or admit*) adj2 delay*).ti,ab.
9.	or/1-8 [C]
	Date parameters: Database start date – 02/12/2016

#### CRD search terms

#1.	MeSH descriptor hospital bed capacity explode all trees
#2.	MeSH descriptor bed occupancy
#3.	((bed or beds) adj2 (demand* or occupanc*))
#4.	((hospital* adj2 (capacit* or occpnc* or flow)))
#5.	((emergency or ed) adj2 (overcrowd* or over-crowd* or boarding))
#6.	((bed or beds) adj1 block*)
#7.	(access block*)
#8.	((admission* or admit*) adj2 delay*)
#9.	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 in HTA or NHSEED [HE]
	Date parameters: 2005 – 02/12/2016

#### A.4.41 Escalation measures

- What are the appropriate escalation measures to manage surges in demand to facilitate optimal patient flow?

#### Medline search terms

1.	surge capacity/
2.	((surge or surges or alert*) adj2 capacit*).ti,ab.
3.	((exceed* adj2 capacit*) and (hospital* or medical*).ti,ab.
4.	exp *disaster planning/
5.	*pandemics/
6.	*disasters/
7.	or/4-6
8.	exp hospital units/ or exp hospitals/ or exp health services/
9.	7 and 8
10.	((surge or surges or disaster* or pandemic* or sars or major incident* or seasonal* or (winter adj (flu or influenza)))) adj2 (plan or plans or planning or planned or planner* or alert*).ti,ab.
11.	or/1-3,9-10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language; Date parameters: 2000 – 01/12/2016 [C]
15.	Study filters ECON (A.3.4) or EXT MOD (A.3.5)

16.	13 and 15
17.	Limit 16 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Embase search terms

1.	surge capacity/
2.	((surge or surges or alert*) adj2 capacit*).ti,ab.
3.	((exceed* adj2 capacit*) and (hospital* or medical*)):ti,ab.
4.	*disaster planning/
5.	*pandemic/
6.	exp *disaster/
7.	or/4-6
8.	exp *"health care facilities and services"/
9.	7 and 8
10.	((surge or surges or disaster* or pandemic* or sars or major incident* or seasonal* or (winter adj (flu or influenza))) adj2 (plan or plans or planning or planned or planner* or alert*)):ti,ab.
11.	or/1-3,9-10
12.	Excluded study designs and publication types [A.3.1]
13.	11 not 12
14.	Limit 13 to English language; Date parameters: 2000 – 01/12/2016 [C]
15.	Study filters ECON (A.3.4) or EXT MOD (A.3.5)
16.	13 and 15
17.	Limit 16 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	[mh ^"surge capacity"]
#2.	((surge or surges or alert*) near/2 capacit*):ti,ab
#3.	((exceed* near/2 capacit*) and (hospital* or medical*)):ti,ab
#4.	[mh "disaster planning"]
#5.	[mh ^pandemics]
#6.	[mh ^disasters]
#7.	((surge or surges or disaster* or pandemic* or sars or major next incident* or seasonal* or (winter next (flu or influenza))) near/2 (plan or plans or planning or planned or planner* or alert*)):ti,ab
#8.	{or #1-#7} [C]
	Date parameters: 2000 – 01/12/2016

#### HMIC search terms

1.	((surge or surges or alert*) adj2 capacit*).ti,ab.
2.	((exceed* adj2 capacit*) and (hospital* or medical*)):ti,ab.
3.	emergency planning/
4.	exp disasters/ or exp major incidents/
5.	exp health services/
6.	4 and 5
7.	((surge or surges or disaster* or pandemic* or sars or major incident* or seasonal* or (winter adj (flu or influenza))) adj2 (plan or plans or planning or planned or planner* or alert*)):ti,ab.
8.	or/1-3,6-7 [C]
	Date parameters: 2000 – 01/12/2016



### CRD search terms

#1.	MeSH descriptor surge capacity
#2.	(((surge or surges or alert*) adj2 capacit*))
#3.	((exceed* adj2 capacit*))
#4.	MeSH descriptor disaster planning explode all trees
#5.	MeSH descriptor pandemics
#6.	MeSH descriptor disasters
#7.	(((surge or surges or disaster* or pandemic* or sars or major incident* or seasonal* or (winter adj (flu or influenza)))) adj2 (plan or plans or planning or planned or planner* or alert*))
#8.	#1 or #2 or #3 or #4 or #5 or #6 or #7
#9.	#8 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

## A.5 Health economics searches

Health economic searches were run by applying the HE study type filter search terms to the same strategies used for the clinical searches. (See section A.4 for details).

Additional searches for specific topics were run to inform the health economic model. For the outliers and weekend admissions searches a clinical review was also undertaken to inform the model.

**Table 3: Databases searched**

Question	Question number	Databases
Discrete event simulations	A.5.3	Medline, Embase, CRD, EconLit
Frailty	A.5.5	Medline, Embase, CRD
National Early Warning Score	A.5.4	Medline, Embase, CRD
Outliers	A.5.1	Medline, Embase, the Cochrane Library, CRD
Quality of life	A.5.7	Medline, Embase
Survival analysis	A.5.6	Medline, Embase
Weekend admissions	A.5.2	Medline, Embase, the Cochrane Library, CRD

### A.5.1 Outliers

- What is the impact on clinical outcomes for medical outliers admitted to hospital with an acute medical emergency?

#### Medline and Embase search terms

1.	((medical or surgical or patient* or ward* or inpatient* or bed or beds or department* or emergenc* or ed) adj5 (outlier* or outlying* or out-lier* or out-lying* or boarding or boarded or boarder* or guest*)).ti,ab.
2.	(sleep-out or sleep-outs).ti,ab.
3.	(ward* adj1 inappropriat*).ti,ab.
4.	or/1-3
5.	Excluded study designs and publication types [A.3.1]
6.	4 not 5
7.	Limit 6 to English language; Date parameters: 1990 – 01/12/2016 [C]

8.	Study filter ECON (A.3.4)
9.	6 and 8
10.	Limit 9 to English language; Date parameters: 2005 – 01/12/2016 [HE]

#### Cochrane search terms

#1.	((medical or surgical or patient* or ward* or inpatient* or bed or beds or department* or emergenc* or ed) near/5 (outlier* or outlying* or out-lier* or out next lier* or out-lying* or out next lying* or boarding or boarded or boarder* or guest*)):ti,ab
#2.	(sleep-out or sleep-outs or "sleep out" or "sleep outs"):ti,ab
#3.	(ward* near/1 inappropriat*):ti,ab
#4.	#1 or #2 or #3 [C]
	Date parameters: Database start date – 01/12/2016

#### CRD search terms

#1.	((medical or surgical or patient* or ward* or inpatient* or bed or beds or department* or emergenc* or ed) adj5 (outlier* or outlying* or out-lier* or out-lying* or boarding or boarded or boarder* or guest*)) in nhseed, hta
#2.	((sleep-out or sleep-outs or "sleep out" or "sleep outs")) in nhseed, hta
#3.	((ward* adj1 inappropriat*)) in nhseed, hta
#4.	#1 or #2 or #3 in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

### A.5.2 Weekend admissions

- Is weekend admission associated with worse outcome than weekday admission in England (after controlling for case-mix)?

#### Medline search terms

1.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)):ti,ab.
2.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) adj10 (mortality or death*)):ti,ab.
3.	(day* adj3 week* adj10 (mortality or death*)):ti,ab.
4.	(day* adj3 week* adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)):ti,ab.
5.	exp mortality/ and (weekend or week-end* or weekday* or week-day*):ti,ab.
6.	or/1-5
7.	Excluded study designs and publication types [A.3.1]
8.	6 not 7
9.	Limit 8 to English language
10.	Study filter ECON (A.3.4)
11.	9 [C]
12.	9 and 10 [HE]
	Date parameters: 2005 – 01/12/2016

#### Embase search terms

1.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)):ti,ab.
2.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday*

	or thursday* or friday* or saturday* or sunday*) adj10 (mortality or death*).ti,ab.
3.	(day* adj3 week* adj10 (mortality or death*).ti,ab.
4.	(day* adj3 week* adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*).ti,ab.
5.	exp mortality/
6.	(weekend or week-end* or weekday* or week-day*).ti,ab.
7.	5 and 6
8.	or/1-4,7
9.	Excluded study designs and publication types [A.3.1]
10.	8 not 9
11.	Limit 10 to English language
12.	Study filter ECON (A.3.4)
13.	11 [C]
14.	11 and 12 [HE]
	Date parameters: 2005 – 01/12/2016

### Cochrane search terms

#1.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) near/10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)):ti,ab
#2.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) near/10 (mortality or death*)):ti,ab
#3.	(day* near/3 week* near/10 (mortality or death*)):ti,ab
#4.	(day* near/3 week* near/10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)):ti,ab
#5.	[mh mortality]
#6.	(weekend or week-end* or weekday* or week-day*):ti,ab
#7.	#5 and #6
#8.	#1 or #2 or #3 or #4 or #7 [C]
	Date parameters: 2005 – 01/12/2016

### CRD search terms

#1.	MeSH descriptor mortality explode all trees
#2.	((weekend or week-end* or weekday* or week-day*))
#3.	#1 and #2
#4.	((day* adj3 week* adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)))
#5.	((day* adj3 week* adj10 (mortality or death*)))
#6.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) adj10 (mortality or death*)))
#7.	((weekend* or week-end* or weekday* or week-day* or monday* or tuesday* or wednesday* or thursday* or friday* or saturday* or sunday*) adj10 (admit* or admiss* or attend* or hospitalis* or hospitaliz* or readmit* or readmiss*)))
#8.	#3 or #4 or #5 or #6 or #7
#9.	in HTA or NHSEED [HE]
	Date parameters: 2005 – 01/12/2016

### A.5.3 Discrete event simulations

#### Medline & Embase search terms

1.	(discrete event* adj2 (model* or simulat*)).ti,ab.
2.	Excluded study designs and publication types [A.3.1]
3.	1 not 2
4.	Limit 3 to English language
	Date parameters: Database start date – 18/02/2015

#### CRD search terms

#1.	((discrete event* adj2 (model* or simulat*))) in NHSEED or HTA
	Date parameters: Database start date – 18/02/2015

#### EconLit search terms

S1.	(discrete event* n2 (model* or simulat*))
S2.	tx health*
S3.	S1 and S2
	Date parameters: Database start date – 18/02/2015

### A.5.4 National Early Warning Score

#### Medline search terms

1.	("national early warning" or (new adj scor*)).ti,ab.
2.	exp emergency service, hospital/
3.	emergency medical services/
4.	(((emergenc* or trauma) adj2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed).ti,ab.
5.	or/2-4
6.	1 and 5
7.	Excluded study designs and publication types [A.3.1]
8.	6 not 7
9.	Limit 8 to English language
	Date parameters: Database start date – 24/01/2017

#### Embase search terms

1.	("national early warning" or (new adj scor*)).ti,ab.
2.	"national early warning score"/
3.	1 or 2
4.	(((emergenc* or trauma) adj2 (department* or unit* or centre* or center* or ward* or accident or service* or team* or dept* or room* or hospital* or medic*)) or a&e or ed).ti,ab.
5.	*emergency ward/
6.	*emergency health service/
7.	or/4-6
8.	3 and 7
9.	Excluded study designs and publication types [A.3.1]
10.	8 not 9
11.	Limit 10 to English language
	Date parameters: Database start date – 24/01/2017

### CRD search terms

#1.	((("national early warning" or (new adj scor*))) in NHSEED or HTA
	Date parameters: Database start date – 24/01/2017

## A.5.5 Frailty

### Medline search terms

1.	frail elderly/
2.	frail*.ti,ab.
3.	1 or 2
4.	Excluded study designs and publication types [A.3.1]
5.	3 not 4
6.	Limit 5 to English language
7.	Study filter ECON (A.3.4)
8.	6 and 7
	Date parameters: 2005 – 04/10/2016

### Embase search terms

1.	frail elderly/
2.	frail*.ti,ab.
3.	1 or 2
4.	Excluded study designs and publication types [A.3.1]
5.	3 not 4
6.	Limit 5 to English language
7.	Study filter ECON (A.3.4)
8.	6 and 7
	Date parameters: 2005 – 04/10/2016

### CRD search terms

#1.	MeSH descriptor frail elderly
#2.	(frail*)
#3.	#1 or #2 in NHSEED, HTA
	Date parameters: 2005 – 04/10/2016

## A.5.6 Survival analysis

### Medline search terms

1.	standardi#ed mortality ratio*.ti,ab.
2.	exp *survival analysis/
3.	(survival adj (analys* or curve* or ratio*)).ti,ab.
4.	(mortality adj (rate or rates)).ti,ab.
5.	or/1-4
6.	(medical or acute* or admission* or admit* or emergenc*).ti.
7.	(critical ill* or heart failure or ((renal or kidney) adj failure) or pneumonia or diabet*).ti.
8.	*critical illness/ or *critical care/ or exp *heart failure/ or exp *renal insufficiency/ or exp *pneumonia/ or exp *diabetes mellitus/
9.	or/6-8
10.	discharg*.ti,ab.

11.	(long-term or longterm or year or years).ti,ab.
12.	5 and 9 and 10 and 11
13.	Excluded study designs and publication types [A.3.1]
14.	12 not 13
15.	Limit 14 to English language
	Date parameters: Database start date – 13/07/2016

#### Embase search terms

1.	standardi#ed mortality ratio*.ti,ab.
2.	standardized mortality ratio/
3.	*survival/ or *long term survival/ or *survival rate/ or *survival time/
4.	(survival adj (analys* or curve* or ratio*)).ti,ab.
5.	(mortality adj (rate or rates)).ti,ab.
6.	or/1-5
7.	(medical or acute* or admission* or admit* or emergenc*).ti.
8.	(critical ill* or heart failure or ((renal or kidney) adj failure) or pneumonia or diabet*).ti.
9.	7 or 8
10.	discharg*.ti,ab.
11.	(long-term or longterm or year or years).ti,ab.
12.	6 and 9 and 10 and 11
13.	Excluded study designs and publication types [A.3.1]
14.	12 not 13
15.	Limit 14 to English language
	Date parameters: Database start date – 13/07/2016

### A.5.7 Quality of Life

#### Medline search terms

1.	exp emergency medical services/
2.	emergencies/
3.	(acute adj3 (emergenc* or admission*)).ti,ab.
4.	emergency medicine/
5.	((emergenc* or urgent*) adj3 (care* or healthcare or service* or admi* or appoint*)).ti,ab.
6.	or/1-5
7.	Excluded study designs and publication types [A.3.1]
8.	6 not 7
9.	Limit 8 to English language
10.	Study filter QOL (A.3.7)
11.	9 and 10
	Date parameters: Database start date – 17/06/2016

#### Embase search terms

1.	*emergency health service/
2.	*emergency/
3.	*emergency medicine/
4.	*emergency ward/
5.	(acute adj3 (emergenc* or admission*)).ti,ab.

6.	((emergenc* or urgent*) adj3 (care* or healthcare or service* or admi* or appoint*)).ti,ab.
7.	or/1-6
8.	Excluded study designs and publication types [A.3.1]
9.	7 not 8
10.	Limit 9 to English language
11.	Study filter QOL (A.3.7)
12.	10 and 11
	Date parameters: Database start date – 17/06/2016

## A.6 References

- 1 National Institute for Health and Clinical Excellence. The guidelines manual. London: National Institute for Health and Clinical Excellence; 2012. Available from: <http://publications.nice.org.uk/the-guidelines-manual-pmg6/>