

## Hypertension in adults (update)

NICE guideline: search strategies

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*Search strategies*

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Search strategy A Search strategy A

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## **Appendix A: Search strategy A**

This literature search strategy was used for the following review:

- What are the optimum blood pressure targets for adults with diagnosed primary hypertension and established cardiovascular disease?

The literature searches for this review are detailed below and complied with the methodology outlined in Developing NICE guidelines: the manual.<sup>1</sup>

For more information, please see the Methodology review published as part of the accompanying documents for this guideline.

## A.1 Clinical literature search strategy

**Table 1: Clinical search summary**

Search adapted from the Cochrane review:

Blood pressure targets for the treatment of people with hypertension and cardiovascular disease<sup>2</sup>

<https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD010315.pub4/appendices#CD010315-sec-0084>

Database	Dates searched	Search filters and limits applied
Medline (OVID)	2019 – 23 June 2021	Randomised controlled trials Systematic review studies  Exclusions (animal studies, letters, comments, editorials, case studies/reports)  English language
Embase (OVID)	2019 – 23 June 2021	Randomised controlled trials Systematic review studies  Exclusions (animal studies, letters, comments, editorials, case studies/reports, conference abstracts)  English language
The Cochrane Library (Wiley)	Cochrane Reviews from 2019 – 23 June 2021 Issue 6 of 12, June 2021  CENTRAL from 2019 – 23 June 2021 Issue 6 of 12, June 2021	Exclusions (clinical trials, conference abstracts)
Epistemonikos (The Epistemonikos Foundation)	2019 – 23 June 2021	Systematic review  Exclusions (Cochrane reviews)

Database	Dates searched	Search filters and limits applied
		English language
Lilacs	2019 – 23 June 2021	Randomised controlled trials Systematic review studies

### Medline (Ovid) search terms

1.	exp cardiovascular diseases/
2.	((heart or myocardial) adj5 (attack* or disease* or infarc*)).tw,kf.
3.	(coronary adj5 (disease* or syndrome*)).tw,kf.
4.	((cardiovascular or peripheral or vascular) adj5 disease*).tw,kf.
5.	atrial fibril*.tw,kf.
6.	((cardiac or heart) adj failure).tw,kf.
7.	angina*.tw,kf.
8.	exp ischemia/
9.	(ischaemi* or ischemi*).tw,kf.
10.	exp stroke/
11.	(CVA or poststroke or post stroke or stroke or strokes).tw,kf.
12.	apoplexy.tw,kf.
13.	cerebrovascul*.tw,kf.
14.	cerebral vascular.tw,kf.
15.	((brain* or cerebral* or lacunar) adj2 (accident* or infarct*)).tw,kf.
16.	or/1-15
17.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw,kf.
18.	hypertension/
19.	essential hypertension/
20.	(antihypertens* or hypertens*).tw,kf.
21.	exp blood pressure/
22.	(blood pressure or bloodpressure).tw,kf.
23.	or/18-22
24.	16 and 17 and 23
25.	letter/
26.	editorial/
27.	news/
28.	exp historical article/
29.	Anecdotes as Topic/
30.	comment/
31.	case report/
32.	(letter or comment*).ti.
33.	or/25-32
34.	randomized controlled trial/ or random*.ti,ab.
35.	33 not 34
36.	animals/ not humans/
37.	exp Animals, Laboratory/
38.	exp Animal Experimentation/

39.	exp Models, Animal/
40.	exp Rodentia/
41.	(rat or rats or mouse or mice or rodent*).ti.
42.	or/35-41
43.	24 not 42
44.	limit 43 to English language
45.	randomized controlled trial.pt.
46.	controlled clinical trial.pt.
47.	randomi#ed.ab.
48.	placebo.ab.
49.	randomly.ab.
50.	clinical trials as topic.sh.
51.	trial.ti.
52.	or/45-51
53.	Meta-Analysis/
54.	Meta-Analysis as Topic/
55.	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.
56.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
57.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
58.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
59.	(search* adj4 literature).ab.
60.	(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.
61.	cochrane.jw.
62.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
63.	or/53-62
64.	44 and (52 or 63)
65.	(2019* or 202*).ed,ep,yr..
66.	64 and 65

#### Embase (Ovid) search terms

1.	exp cardiovascular disease/
2.	((heart or myocardial) adj5 (attack* or disease* or infarc*)).tw.
3.	(coronary adj5 (disease* or syndrome*)).tw.
4.	((cardiovascular or peripheral or vascular) adj5 disease*).tw.
5.	atrial fibril*.tw.
6.	((cardiac or heart) adj failure).tw.
7.	angina*.tw.
8.	exp ischemia/
9.	(ischaemi* or ischemi*).tw.
10.	exp stroke/
11.	(CVA or poststroke or post stroke or stroke or strokes).tw.
12.	apoplexy.tw.
13.	cerebrovascul*.tw.
14.	cerebral vascular.tw.
15.	((brain* or cerebral* or lacunar) adj2 (accident* or infarct*)).tw.



16.	or/1-15
17.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw.
18.	hypertension/
19.	(antihypertens* or hypertens*).tw.
20.	exp blood pressure/
21.	(blood pressure or bloodpressure).mp.
22.	or/18-21
23.	16 and 17 and 22
24.	letter.pt. or letter/
25.	note.pt.
26.	editorial.pt.
27.	case report/ or case study/
28.	(letter or comment*).ti.
29.	(conference abstract or conference paper).pt.
30.	or/24-29
31.	randomized controlled trial/ or random*.ti,ab.
32.	30 not 31
33.	animal/ not human/
34.	nonhuman/
35.	exp Animal Experiment/
36.	exp Experimental Animal/
37.	animal model/
38.	exp Rodent/
39.	(rat or rats or mouse or mice or rodent*).ti.
40.	or/32-39
41.	23 not 40
42.	limit 41 to English language
43.	random*.ti,ab.
44.	factorial*.ti,ab.
45.	(crossover* or cross over*).ti,ab.
46.	((doubl* or singl*) adj blind*).ti,ab.
47.	(assign* or allocat* or volunteer* or placebo*).ti,ab.
48.	crossover procedure/
49.	single blind procedure/
50.	randomized controlled trial/
51.	double blind procedure/
52.	or/43-51
53.	systematic review/
54.	Meta-Analysis/
55.	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.
56.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
57.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
58.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
59.	(search* adj4 literature).ab.

60.	(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.
61.	cochrane.jw.
62.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
63.	or/53-62
64.	42 and (52 or 63)
65.	(2019* or 202*).dc,yr.
66.	64 and 65

### Cochrane Library (Wiley) search terms

#1.	MeSH descriptor: [Cardiovascular Diseases] explode all trees
#2.	((heart or myocardial) near/5 (attack* or disease* or infarc*)):ti,ab
#3.	(coronary near/5 (disease* or syndrome*)):ti,ab
#4.	((cardiovascular or peripheral or vascular) near/5 disease*):ti,ab
#5.	atrial fibril*:ti,ab
#6.	((cardiac or heart) next failure):ti,ab
#7.	angina*:ti,ab
#8.	MeSH descriptor: [Ischemia] explode all trees
#9.	(ischaemi* or ischemi*):ti,ab
#10.	MeSH descriptor: [Stroke] explode all trees
#11.	(CVA or poststroke or post stroke or stroke or strokes):ti,ab
#12.	apoplexy:ti,ab
#13.	cerebrovascul*:ti,ab
#14.	cerebral vascular:ti,ab
#15.	((brain* or cerebral* or lacunar) near/2 (accident* or infarct*)):ti,ab
#16.	(or #1-#15)
#17.	((goal* or intensive* or strict* or target* or tight* or optimum or optimal) near/6 (antihypertensive* or anti hypertensive* or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)):ti,ab
#18.	MeSH descriptor: [Hypertension] explode all trees
#19.	MeSH descriptor: [Essential Hypertension] explode all trees
#20.	(antihypertens* or hypertens*):ti,ab
#21.	MeSH descriptor: [Blood Pressure] explode all trees
#22.	(blood pressure or bloodpressure):ti,ab
#23.	(or #18-#22)
#24.	#16 and #17 and #23 with Cochrane Library publication date Between Nov 2019 and Jul 2021
#25.	conference:pt or (clinicaltrials or trialsearch):so
#26.	#24 not #25

### Epistemonikos search terms

1.	(((cardiovascular disease?) OR (heart attack*) OR (myocardial infarct*) OR (heart disease*) OR (myocardial disease*) OR (coronary disease*) OR (coronary syndrome*) OR (cardiovascular disease*) OR (peripheral disease*) OR (vascular disease*) OR (atrial fibril*) OR (cardiac failure) OR (heart failure) OR (angina*) OR (ischaemi*) OR (ischemi*) OR (stroke*) OR (cva) OR (poststroke) OR (post-stroke) OR (apoplexy) OR (cerebrovascul*) OR (cerebral vascular) OR (brain* accident*) OR (brain infarct*) OR (cerebral* accident*) OR (cerebral* infarct*) OR (lacunar accident*) OR (lacunar infarct*)) AND ((intensive* bp) OR (intensive* dbp) OR (intensive* blood pressure?) OR (intensive* sbp) OR (strict* bp) OR (strict* dbp) OR (strict* blood pressure?) OR (strict* sbp) OR (target* bp) OR (target* dbp) OR (target* blood pressure?) OR (target* sbp) OR (tight* bp) OR (tight* dbp) OR (tight* blood pressure?) OR (tight* sbp)) AND
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	<pre>((hypertension) OR (hypertens*) OR (blood pressure) OR (bloodpressure)) AND (((pt:"randomised controlled trial") OR (pt:"controlled clinical trial") OR (ab:"randomi?ed") OR (ab:"placebo") OR (clinical trials) OR (ab:"randomly") OR (ti:"trial")) AND NOT ((animals) AND NOT (humans AND animals)))) AND ( type_of_study:(("clinical_trials" OR "systematic_reviews") AND la:("en")) AND (year_cluster:[2019 TO 2021]))</pre>
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**Lilacs search terms**

1.	<pre>(advanced_title_en:(goal* OR intensive* OR strict* OR target* OR tight* OR optimum OR optimal) OR advanced_abstract_en:(goal* OR intensive* OR strict* OR target* OR tight* OR optimum OR optimal)) AND (advanced_title_en:(antihypertensive* OR anti hypertensive* OR bp OR control OR dbp OR diastolic OR pressure* OR sbp OR systolic OR treat*) OR advanced_abstract_en:(antihypertensive* OR anti hypertensive* OR bp OR control OR dbp OR diastolic OR pressure* OR sbp OR systolic OR treat*)) OR advanced_abstract_en:(advanced_title_en:(goal* OR intensive* OR strict* OR target* OR tight* OR optimum OR optimal) OR advanced_abstract_en:(goal* OR intensive* OR strict* OR target* OR tight* OR optimum OR optimal)) AND (advanced_title_en:(antihypertensive* OR anti hypertensive* OR bp OR control OR dbp OR diastolic OR pressure* OR sbp OR systolic OR treat*) OR advanced_abstract_en:(antihypertensive* OR anti hypertensive* OR bp OR control OR dbp OR diastolic OR pressure* OR sbp OR systolic OR treat*)))) AND (advanced_title_en:(antihypertens* OR hypertens* OR blood pressure OR bloodpressure) OR advanced_abstract_en:(antihypertens* OR hypertens* OR blood pressure OR bloodpressure))</pre>
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**Table 2: Summary of additional TIA and aortic aneurysm search**

Database	Dates searched	Search filters and limits applied
Medline (OVID)	1946 – 16 August 2021	Randomised controlled trials Systematic review studies  Exclusions (animal studies, letters, comments, editorials, case studies/reports)  English language
Embase (OVID)	1974 – 16 August 2021	Randomised controlled trials Systematic review studies  Exclusions (animal studies, letters, comments, editorials, case studies/reports, conference abstracts)  English language
The Cochrane Library (Wiley)	Cochrane Reviews from Inception to 16 August 2021 Issue 8 of 12, August 2021  CENTRAL from Inception to 16 August 2021 Issue 8 of 12, August 2021	Exclusions (clinical trials, conference abstracts)

**Medline (Ovid) search terms**

1.	((mini or minor or mild or acute) adj2 (stroke or strokes)).ti,ab.
2.	exp Brain Ischemia/
3.	((brain or brainstem or cerebr* or cerebell* or vertebrobasil* or verte brobasil* or hemisphere* or intracran* or intracerebral or infratentorial or supratentorial or mca**or anterior circulation or carotid or crescendo or transient or lacunar) adj3 isch?emi*).ti,ab.
4.	Ischemic Attack, Transient/
5.	(isch?emi* adj2 attack*).ti,ab.
6.	TIA*.ti,ab.
7.	or/1-6
8.	exp Aortic Aneurysm/
9.	Aneurysm, Ruptured/
10.	Aortic Rupture/
11.	((aortic or aorta) adj2 (aneurysm* or rupture* or dissection* or transection* or tear*)).ti,ab.
12.	or/8-11
13.	7 or 12
14.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw,kf.
15.	hypertension/
16.	essential hypertension/
17.	(antihypertens* or hypertens*).tw,kf.
18.	exp blood pressure/
19.	(blood pressure or bloodpressure).tw,kf.
20.	or/15-19
21.	13 and 14 and 20
22.	letter/
23.	editorial/
24.	news/
25.	exp historical article/
26.	Anecdotes as Topic/
27.	comment/
28.	case report/
29.	(letter or comment*).ti.
30.	or/22-29
31.	randomized controlled trial/ or random*.ti,ab.
32.	30 not 31
33.	animals/ not humans/
34.	exp Animals, Laboratory/
35.	exp Animal Experimentation/
36.	exp Models, Animal/
37.	exp Rodentia/
38.	(rat or rats or mouse or mice or rodent*).ti.
39.	or/32-38
40.	21 not 39
41.	limit 40 to English language
42.	randomized controlled trial.pt.

43.	controlled clinical trial.pt.
44.	randomi#ed.ab.
45.	placebo.ab.
46.	randomly.ab.
47.	clinical trials as topic.sh.
48.	trial.ti.
49.	or/42-48
50.	Meta-Analysis/
51.	Meta-Analysis as Topic/
52.	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.
53.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
54.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
55.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
56.	(search* adj4 literature).ab.
57.	(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.
58.	cochrane.jw.
59.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.
60.	or/50-59
61.	41 and (49 or 60)

**Embase (Ovid) search terms**

1.	((mini or minor or mild or acute) adj2 (stroke or strokes)).ti,ab.
2.	*brain ischemia/ or *hypoxic ischemic encephalopathy/
3.	((brain or brainstem or cerebr* or cerebell* or vertebrobasil* or verte brobasil* or hemisphere* or intracran* or intracerebral or infratentorial or supratentorial or mca** or anterior circulation or carotid or crescendo or transient or lacunar) adj3 isch?emi*).ti,ab.
4.	*Transient ischemic attack/
5.	(isch?emi* adj2 attack*).ti,ab.
6.	TIA*.ti,ab.
7.	or/1-6
8.	exp Aortic Aneurysm/
9.	exp Aneurysm, Rupture/
10.	Aortic Rupture/
11.	((aortic or aorta) adj2 (aneurysm* or rupture* or dissection* or transection* or tear*)).ti,ab.
12.	or/8-11
13.	7 or 12
14.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw.
15.	hypertension/
16.	(antihypertens* or hypertens*).tw.
17.	exp blood pressure/
18.	(blood pressure or bloodpressure).mp.
19.	or/15-18

20.	13 and 14 and 19
21.	letter.pt. or letter/
22.	note.pt.
23.	editorial.pt.
24.	case report/ or case study/
25.	(letter or comment*).ti.
26.	(conference abstract or conference paper).pt.
27.	or/21-26
28.	randomized controlled trial/ or random*.ti,ab.
29.	27 not 28
30.	animal/ not human/
31.	nonhuman/
32.	exp Animal Experiment/
33.	exp Experimental Animal/
34.	animal model/
35.	exp Rodent/
36.	(rat or rats or mouse or mice or rodent*).ti.
37.	or/29-36
38.	20 not 37
39.	limit 38 to English language
40.	random*.ti,ab.
41.	factorial*.ti,ab.
42.	(crossover* or cross over*).ti,ab.
43.	((doubl* or singl*) adj blind*).ti,ab.
44.	(assign* or allocat* or volunteer* or placebo*).ti,ab.
45.	crossover procedure/
46.	single blind procedure/
47.	randomized controlled trial/
48.	double blind procedure/
49.	or/40-48
50.	systematic review/
51.	Meta-Analysis/
52.	(meta analy* or metanaly* or metaanaly* or meta regression).ti,ab.
53.	((systematic* or evidence*) adj3 (review* or overview*)).ti,ab.
54.	(reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.
55.	(search strategy or search criteria or systematic search or study selection or data extraction).ab.
56.	(search* adj4 literature).ab.
57.	(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.
58.	cochrane.jw.
59.	((multiple treatment* or indirect or mixed) adj2 comparison*).ti,ab.

60.	or/50-59
61.	39 and (49 or 60)

### Cochrane (Wiley) search terms

#1.	(mini or minor or mild or acute) near/2 (stroke or strokes):ti,ab
#2.	MeSH descriptor: [Brain Ischemia] explode all trees
#3.	((brain or brainstem or cerebr* or cerebell* or vertebrobasil* or verte brobasil* or hemisphere* or intracran* or intracerebral or infratentorial or supratentorial or mca**or anterior circulation or carotid or crescendo or transient or lacunar) near/3 isch?emi*):ti,ab
#4.	MeSH descriptor: [Ischemic Attack, Transient] explode all trees
#5.	(isch?emi* near/2 attack*):ti,ab
#6.	TIA*:ti,ab
#7.	(or #1-#6)
#8.	MeSH descriptor: [Aortic Aneurysm] explode all trees
#9.	MeSH descriptor: [Aneurysm, Ruptured] explode all trees
#10.	MeSH descriptor: [Aortic Rupture] explode all trees
#11.	(or #8-#10)
#12.	#7 or #11
#13.	((goal* or intensive* or strict* or target* or tight* or optimum or optimal) near/6 (antihypertensive* or anti hypertensive* or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)):ti,ab
#14.	MeSH descriptor: [Hypertension] explode all trees
#15.	MeSH descriptor: [Essential Hypertension] explode all trees
#16.	(antihypertens* or hypertens*):ti,ab
#17.	MeSH descriptor: [Blood Pressure] explode all trees
#18.	(blood pressure or bloodpressure):ti,ab
#19.	(or #13-#18)
#20.	#12 and #19
#21.	conference:pt or (clinicaltrials or trialsearch):so
#22.	#20 not #21

## A.2 Health Economics literature search strategy

Health economic evidence was identified by conducting searches using terms for a broad population. The following databases were searched: NHS Economic Evaluation Database (NHS EED - this ceased to be updated after 31<sup>st</sup> March 2015), Health Technology Assessment database (HTA - this ceased to be updated from 31<sup>st</sup> March 2018) and The International Network of Agencies for Health Technology Assessment (INAHTA). Searches for recent evidence were run on Medline and Embase from 2014 onwards for health economics, and all years for quality-of-life studies.

**Table 2: Health economics search summary**

Database	Dates searched	Search filters and limits applied
Medline (OVID)	Health Economics 2014 – 18 June 2021	Health economics studies Quality of life studies
	Quality of Life 1946 – 18 June 2021	

Database	Dates searched	Search filters and limits applied
		Exclusions (animal studies, letters, comments, editorials, case studies/reports, conference abstracts)  English language
Embase (OVID)	Health Economics 2014 – 18 June 2021	Health economics studies Quality of life studies
	Quality of Life 1974 – 18 June 2021	Exclusions (animal studies, letters, comments, editorials, case studies/reports, conference abstracts)
		English language
NHS Economic Evaluation Database (NHS EED) (Centre for Research and Dissemination - CRD)	Inception – 31 March 2015	
Health Technology Assessment Database (HTA) (Centre for Research and Dissemination – CRD)	Inception – 31 March 2018	
The International Network of Agencies for Health Technology Assessment (INAHTA)	Inception – 18 June 2021	English language

#### Medline (Ovid) search terms

1.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw,kf.
2.	hypertension/
3.	essential hypertension/
4.	(antihypertens* or hypertens*).tw,kf.
5.	exp blood pressure/
6.	(blood pressure or bloodpressure).tw,kf.
7.	or/2-6
8.	1 and 7
9.	letter/
10.	editorial/
11.	news/
12.	exp historical article/
13.	Anecdotes as Topic/
14.	comment/
15.	case report/



16.	(letter or comment*).ti.
17.	or/9-16
18.	randomized controlled trial/ or random*.ti,ab.
19.	17 not 18
20.	animals/ not humans/
21.	exp Animals, Laboratory/
22.	exp Animal Experimentation/
23.	exp Models, Animal/
24.	exp Rodentia/
25.	(rat or rats or mouse or mice or rodent*).ti.
26.	or/19-25
27.	8 not 26
28.	limit 27 to English language
29.	economics/
30.	value of life/
31.	exp "costs and cost analysis"/
32.	exp Economics, Hospital/
33.	exp Economics, medical/
34.	Economics, nursing/
35.	economics, pharmaceutical/
36.	exp "Fees and Charges"/
37.	exp budgets/
38.	budget*.ti,ab.
39.	cost*.ti.
40.	(economic* or pharmaco?economic*).ti.
41.	(price* or pricing*).ti,ab.
42.	(cost* adj2 (effectiv* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
43.	(financ* or fee or fees).ti,ab.
44.	(value adj2 (money or monetary)).ti,ab.
45.	or/29-44
46.	28 and 45
47.	quality-adjusted life years/
48.	sickness impact profile/
49.	(quality adj2 (wellbeing or well being)).ti,ab.
50.	sickness impact profile.ti,ab.
51.	disability adjusted life.ti,ab.
52.	(qal* or qtime* or qwb* or daly*).ti,ab.
53.	(euroqol* or eq5d* or eq 5*).ti,ab.
54.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
55.	(health utility* or utility score* or disutilit* or utility value*).ti,ab.
56.	(hui or hui1 or hui2 or hui3).ti,ab.
57.	(health* year* equivalent* or hye or hyes).ti,ab.
58.	discrete choice*.ti,ab.
59.	rosser.ti,ab.
60.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
61.	(sf36* or sf 36* or short form 36* or shortform 36* or shortform36*).ti,ab.
62.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.

63.	(sf12* or sf 12* or short form 12* or shortform 12* or shortform12*).ti,ab.
64.	(sf8* or sf 8* or short form 8* or shortform 8* or shortform8*).ti,ab.
65.	(sf6* or sf 6* or short form 6* or shortform 6* or shortform6*).ti,ab.
66.	or/47-66
67.	28 and 66
68.	46 or 67

**Embase (Ovid) search terms**

1.	exp cardiovascular disease/
2.	((heart or myocardial) adj5 (attack* or disease* or infarc*)).tw.
3.	(coronary adj5 (disease* or syndrome*)).tw.
4.	((cardiovascular or peripheral or vascular) adj5 disease*).tw.
5.	atrial fibril*.tw.
6.	((cardiac or heart) adj failure).tw.
7.	angina*.tw.
8.	exp ischemia/
9.	(ischaemi* or ischemi*).tw.
10.	exp stroke/
11.	(CVA or poststroke or post stroke or stroke or strokes).tw.
12.	apoplexy.tw.
13.	cerebrovascul*.tw.
14.	cerebral vascular.tw.
15.	((brain* or cerebral* or lacunar) adj2 (accident* or infarct*)).tw.
16.	or/1-15
17.	((goal? or intensive* or strict* or target* or tight* or optimum or optimal) adj6 (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)).tw.
18.	hypertension/
19.	(antihypertens* or hypertens*).tw.
20.	exp blood pressure/
21.	(blood pressure or bloodpressure).mp.
22.	or/18-21
23.	16 and 17 and 22
24.	letter.pt. or letter/
25.	note.pt.
26.	editorial.pt.
27.	case report/ or case study/
28.	(letter or comment*).ti.
29.	(conference abstract or conference paper).pt.
30.	or/24-29
31.	randomized controlled trial/ or random*.ti,ab.
32.	30 not 31
33.	animal/ not human/
34.	nonhuman/
35.	exp Animal Experiment/
36.	exp Experimental Animal/
37.	animal model/

38.	exp Rodent/
39.	(rat or rats or mouse or mice or rodent*).ti.
40.	or/32-39
41.	23 not 40
42.	limit 41 to English language
43.	health economics/
44.	exp economic evaluation/
45.	exp health care cost/
46.	exp fee/
47.	budget/
48.	funding/
49.	budget*.ti,ab.
50.	cost*.ti.
51.	(economic* or pharmaco?economic*).ti.
52.	(price* or pricing*).ti,ab.
53.	(cost* adj2 (effectiv* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
54.	(financ* or fee or fees).ti,ab.
55.	(value adj2 (money or monetary)).ti,ab.
56.	or/43-55
57.	42 and 56
58.	quality-adjusted life years/
59.	"quality of life index"/
60.	short form 12/ or short form 20/ or short form 36/ or short form 8/
61.	sickness impact profile/
62.	(quality adj2 (wellbeing or well being)).ti,ab.
63.	sickness impact profile.ti,ab.
64.	disability adjusted life.ti,ab.
65.	(qal* or qtime* or qwb* or daly*).ti,ab.
66.	(euroqol* or eq5d* or eq 5*).ti,ab.
67.	(qol* or hqi* or hqi* or hqi* or hqi* or hqi* or hqi*).ti,ab.
68.	(health utility* or utility score* or disutilit* or utility value*).ti,ab.
69.	(hui or hui1 or hui2 or hui3).ti,ab.
70.	(health* year* equivalent* or hye or hyes).ti,ab.
71.	discrete choice*.ti,ab.
72.	rosser.ti,ab.
73.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
74.	(sf36* or sf 36* or short form 36* or shortform 36* or shortform36*).ti,ab.
75.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
76.	(sf12* or sf 12* or short form 12* or shortform 12* or shortform12*).ti,ab.
77.	(sf8* or sf 8* or short form 8* or shortform 8* or shortform8*).ti,ab.
78.	(sf6* or sf 6* or short form 6* or shortform 6* or shortform6*).ti,ab.
79.	or/58-78
80.	42 and 79
81.	57 or 80

**NHS EED and HTA (CRD) search terms**

#1.	(goal? or intensive* or strict* or target* or tight* or optimum or optimal) AND (antihypertensive? or anti hypertensive? or bp or control or dbp or diastolic or pressure? or sbp or systolic or treat*)
#2.	MeSH DESCRIPTOR Hypertension
#3.	MeSH DESCRIPTOR Essential Hypertension EXPLODE ALL TREES
#4.	(antihypertens* or hypertens*)
#5.	MeSH DESCRIPTOR blood pressure EXPLODE ALL TREES
#6.	(blood pressure or bloodpressure)
#7.	#2 OR #3 OR #4 OR #5 OR #6
#8.	#1 AND #7

**INAHTA search terms**

1.	((antihypertens* or hypertens* or blood pressure or bloodpressure)) OR ("Blood Pressure"[mhe]) OR ("Hypertension"[mhe])
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### A.3 References

1. National Institute for Health and Care Excellence. Developing NICE guidelines: the manual. London. National Institute for Health and Care Excellence, 2014. Available from: <http://www.nice.org.uk/article/PMG20/chapter/1%20Introduction%20and%20overview>
2. Saiz L, Gorricho J, Garj?n J, Celaya M, Erviti J, Leache L. Blood pressure targets for the treatment of people with hypertension and cardiovascular disease. Cochrane Database of Systematic Reviews. 2020; (9)