

# **Appendix C2 Search Strategies**

## **1. TLOC Patient Filter**

The following patient filters were developed in consultation with the GDG chair. In medline and embase they were combined with an exclusions filter to remove unwanted references (see filter in section 3 below).

### ***Medline***

<b>No.</b>	<b>Search terms</b>
1	unconsciousness/
2	black?out\$.ti,ab.
3	(pass\$ adj out).ti,ab.
4	(tloc or t-loc).ti,ab.
5	((transient or temporary or short or brief or paroxysmal) adj3 (los\$ adj2 conscious\$)).ti,ab.
6	or/1-5
7	exp syncope/
8	pre?syncop\$.ti,ab.
9	syncop\$.ti,ab.
10	or/7-9
11	neurally mediated hypotension.mp.
12	reflex anoxic seizure\$.mp.
13	complex faint\$.mp.
14	((psychogenic or non?epilep\$ or hysteri\$ or pseudo or doxogenic) adj (black?out\$ or attack\$ or seizure\$)).mp.
15	((hyster\$ or pseudo) adj epilep\$).mp.
16	pseudo?seizure\$.mp.
17	hysteroepilep\$.mp.
18	pseudoepilep\$.mp.
19	conversion fit\$.mp.
20	or/11-19
21	6 or 10 or 20

## **Embase**

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<b>No.</b>	<b>Search terms</b>
1	unconsciousness/
2	collapse/
3	black?out\$.ti,ab.
4	(pass\$ adj out).ti,ab.
5	(tloc or t-loc).ti,ab. ((transient or temporary or short or brief or paroxysmal) adj3 (los\$ adj2 conscious\$)).ti,ab.
6	conscious\$).ti,ab.
7	or/1-6
8	*syncope/
9	pre?syncop\$.ti,ab.
10	syncop\$.ti,ab.
11	or/8-10
12	neurally mediated hypotension.mp.
13	reflex anoxic seizure\$.mp.
14	complex faint\$.mp.
15	pseudoepileptic seizure/ ((psychogenic or non?epilep\$ or hysteri\$ or pseudo or doxogenic) adj (black?out\$ or attack\$ or seizure\$)).mp.
16	((hyster\$ or pseudo) adj epilep\$).mp.
17	((hyster\$ or pseudo) adj epilep\$).mp.
18	pseudo?seizure\$.mp.
19	hysteroepilep\$.mp.
20	pseudoepilep\$.mp.
21	conversion fit\$.mp.
22	or/12-21
23	7 or 11 or 22

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### ***Psycinfo (Silverplatter)***

Initial Psycinfo searches were performed on the Silverplatter interface. This interface was phased out by the supplier during the guideline development time. Subsequent Psycinfo searches were performed on the OVID interface (see below).

No.	Search terms
#21	#6 or #10 or #20
#20	#11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19
#19	"conversion fit*" in TI,AB,MJ,MN
#18	pseudoepilep* in TI,AB,MJ,MN
#17	hysteroepilep* in TI,AB,MJ,MN
#16	pseudo?seizure* in TI,AB,MJ,MN
#15	((hyster* or pseudo) adj epilep*) in TI,AB,MJ,MN
#14	((psychogenic or non?epilep* or hysteri* or pseudo or doxogenic) adj (black?out* or attack* or seizure*)) in TI,AB,MJ,MN
#13	"complex faint*" in TI,AB,MJ,MN
#12	"reflex anoxic seizure*" in TI,AB,MJ,MN
#11	"neurally mediated hypotension" in TI,AB,MJ,MN
#10	#7 or #8 or #9
#9	syncop* in TI,AB,MJ,MN
#8	pre?syncop* in TI,AB,MJ,MN
#7	"Syncope-" in MJ,MN
#6	#1 or #2 or #3 or #4 or #5
#5	((transient or temporary or short or brief or paroxysmal) near3 (los* near2 conscious*)) in TI,AB,MJ,MN
#4	(t?loc) in TI,AB,MJ,MN
#3	(pass* adj out) in TI,AB,MJ,MN
#2	(unconsciousness) in TI,AB,MJ,MN
#1	black?out* in TI,AB,MJ,MN

### **Psycinfo (OVID)**

No.	Search terms
1	black?out*.ti,ab,hw.
2	(unconsciousness).ti,ab,hw.
3	(pass* adj out).ti,ab,hw.
4	(t?loc).ti,ab,hw.
5	((transient or temporary or short or brief or paroxysmal) adj3 (los* adj2 conscious*)).ti,ab,hw.
6	or/1-5
7	exp syncope/
8	pre?syncop*.ti,ab,hw.
9	syncop*.ti,ab,hw.
10	or/7-9
11	"neurally mediated hypotension".ti,ab,hw.
12	"reflex anoxic seizure*".ti,ab,hw.
13	"complex faint*".ti,ab,hw.
14	((psychogenic or non?epilep* or hysteri* or pseudo or doxogenic) adj (black?out* or attack* or seizure*)).ti,ab,hw.
15	((hyster* or pseudo) adj epilep*).ti,ab,hw.
16	pseudo?seizure*.ti,ab,hw.
17	hysteroepilep*.ti,ab,hw.
18	pseudoepilep*.ti,ab,hw.
19	"conversion fit*".ti,ab,hw.
20	or/11-19
21	6 or 10 or 20

## Cinahl

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No.	Search terms
S18	S5 or S8 or S17
S17	S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16
S16	conversion n1 fit*
S15	hysteroepilep* or pseudoepilep*
S14	pseudo-seizure* or pseudoseizure* or pseudo seizure*
S13	(hyster* or pseudo) and epilep*
S12	((psychogenic or nonepilep* or non epilep* or non-epilep* or hysteri* or pseudo or doxogenic) and (blackout* or black-out* or black out* or attack* or seizure*))
S11	complex faint*
S10	reflex anoxic seizure*
S9	neurally mediated hypotension
S8	S6 or S7
S7	presyncop* or pre syncop* or pre-syncop* or syncop*
S6	MH syncope+
S5	S1 or S2 or S3 or S4
S4	(transient or temporary or short or brief or paroxysmal) and los* n2 conscious*
S3	tloc or t-loc
S2	black-out* or blackout* or black out*
S1	MH "unconsciousness"

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## The Cochrane Library

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No.	Search terms
#1	unconscious*:ti,ab,kw
#2	black*out*:ti,ab,kw
#3	(pass* next out):ti,ab,kw
#4	(t*loc):ti,ab,kw
#5	((transient or temporary or short or brief or paroxysmal) near/3 (los* near/2 conscious*)):ti,ab,kw
#6	pre*syncop*:ti,ab,kw
#7	syncop*:ti,ab,kw
#8	neurally mediated hypotension:ti,ab,kw
#9	reflex anoxic seizure*:ti,ab,kw
#10	complex faint*:ti,ab,kw
#11	((psychogenic or non*epilep* or hysteri* or pseudo or doxogenic) next (black*out* or attack* or seizure*)):ti,ab,kw
#12	((hyster* or pseudo) next epilep*):ti,ab,kw
#13	pseudo*seizure*:ti,ab,kw
#14	hyster*epilep*:ti,ab,kw
#15	pseudo*epilep*:ti,ab,kw
#16	conversion fit*:ti,ab,kw
#17	(#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)

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## 2. Study design filters

### 2.1. RCT Filters

#### **Medline**

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<b>No.</b>	<b>Search terms</b>
1	randomized controlled trial\$.pt,sh.
2	clinical trial\$.pt,sh.
3	random allocation/
4	double blind method/
5	single blind method/
6	((clin\$ or control\$) adj5 trial\$).ti,ab.
7	((singl\$ or doubl\$ or trebl\$ or tripl\$) adj25 (blind\$ or mask\$)).ti,ab.
8	placebos/
9	placebo\$.ti,ab.
10	random\$.ti,ab.
11	(volunteer\$ or "control group" or controls or prospective\$).ti,ab.
12	research design/
13	or/1-12
14	animals/ not humans/
15	13 not 14

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#### **Embase**

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<b>No.</b>	<b>Search terms</b>
1	exp randomized controlled trial/
2	(random\$ or placebo\$).ti,ab.
3	((singl\$ or doubl\$ or trebl\$ or tripl\$) adj25 (blind\$ or mask\$)).ti,ab.
4	(clin\$ adj25 trial\$).ti,ab.
5	exp comparative study/
6	exp evaluation/
7	exp follow up/
8	exp prospective study/
9	(control\$ or prospective\$ or volunteer\$).ti,ab.
10	or/1-9
11	exp human/
12	10 and 11

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## **Psycinfo**

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<b>No.</b>	<b>Search terms</b>
1	placebo.sh.
2	clinical trials.sh.
3	random sampling.sh.
4	mental health program evaluation.sh.
5	treatment effectiveness evaluation.sh.
6	exp treatment outcomes/ or treatment outcome\$.md.
7	(clinical adj2 trial\$.tw.
8	(crossover or cross over).tw.
9	((single\$ or doubl\$ or trebl\$ or tripl\$) adj5 (blind\$ or mask\$ or dummy)) or (singleblind\$ or doubleblind\$ or trebleblind\$).tw.
10	(placebo\$ or random\$.tw.
11	(animal not (animal and human)).po. or (animals not (animals and (human females or human males))).sh.
12	or/1-10 not 11

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## **Cinahl**

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<b>No.</b>	<b>Search terms</b>
S11	(s10 or s9 or s8 or s7 or s6 or s5 or s4 or s3 or s2 or s1)
S10	control* or prospective* or volunteer*
S9	(MH "quantitative studies")
S8	(MH "placebos")
S7	(MH "random assignment")
S6	random* or placebo*
S5	(singl* n25 mask*) or (doubl* n25 mask*) or (trebl* n25 mask*) or (tripl* n25 mask*)
S4	(singl* n25 blind*) or (doubl* n25 blind*) or (trebl* n25 blind*) or (tripl* n25 blind*)
S3	(clin* n25 trial*)
S2	pt clinical trial
S1	(MH "clinical trials+")

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## 2.2. Systematic Review Filters

### Medline / Embase

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No.	Search terms
1	review.pt. or review.ti. or "review"/
2	(systematic\$ or evidence\$ or methodol\$ or quantitativ\$ or analys\$ or assessment\$).ti,sh,ab.
3	1 and 2
4	meta-analysis.pt.
5	meta-analysis/
6	meta-analysis as topic/
7	"systematic review"/
8	(meta-analy\$ or metanaly\$ or metaanaly\$ or meta analy\$).ti,ab.
9	((systematic\$ or evidence\$ or methodol\$ or quantitativ\$) adj5 (review\$ or survey\$ or overview\$)).ti,ab,sh.
10	((pool\$ or combined or combining) adj2 (data or trials or studies or results)).ti,ab.
11	or/3-10

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### Psycinfo

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No.	Search terms
1	(meta analysis or systematic review).sh,md.
2	literature review.sh,md.
3	(metaanal\$ or meta anal\$ or metasynthes\$ or meta synthes\$).tw.
4	((systematic or quantitative or methodologic\$) adj5 (overview\$ or review\$)).tw.
5	((quantitativ\$ or data) adj (extraction or synthesis)).tw.
6	((bids or cinahl or cochrane or embase or index medicus or isi citation or medlars or psyclit or psychlit or scisearch or science citation or (web adj2 science)) and review\$).tw.
7	(pooled or pooling).tw.
8	(research adj (review\$ or integration)).tw.
9	(handsearch\$ or ((hand or manual) adj search\$)).tw.
10	((electronic or bibliographic) adj database\$).tw.
11	(mantel haenszel or peto or dersimonian or der simonian).ti,ab.
12	(fixed effect\$ or random effect\$).ti,ab.
13	reference list\$.ab.
14	bibliograph\$.ab.
15	published studies.ab.
16	relevant journals.ab.
17	selection criteria.ab.
18	or/1-17

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## **Cinahl**

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<b>No.</b>	<b>Search terms</b>
S13	S12 or S11 or S10 or S9 or S8 or S7 or S6
S12	(pool* N2 data) or (combined N2 data) or (combining N2 data) or (pool* N2 trials) or (combined N2 trials) or (combining N2 trials) or (pool* N2 studies) or (combined N2 studies) or (combining N2 studies) or (pool* N2 results) or (combined N2 results) or (combining N2 results)
S11	(systematic* N5 overview*) or (evidence* N5 overview*) or (methodol* N5 overview*) or (quantitativ* N5 overview*)
S10	(systematic* N5 survey*) or (evidence* N5 survey*) or (methodol* N5 survey*) or (quantitativ* N5 survey*)
S9	(systematic* N5 review*) or (evidence* N5 review*) or (methodol* N5 review*) or (quantitativ* N5 review*)
S8	(meta-analy* or metanaly* or metaanaly* or meta analy*)
S7	(MH "Meta Analysis")
S6	S4 and S5
S5	S3 or S2 or S1
S4	(systematic* or evidence* or methodol* or quantitativ* or analys* or assessment*)
S3	T1 review
S2	(MH "systematic review")
S1	PT review

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### 3. Exclusions Filter

The following filter was designed to remove irrelevant results from searches. If used it was combined into search strategies using the NOT operator.

#### ***Medline / Embase***

No.	Search terms
1	letter.pt.
2	letter/
3	letter\$/
4	editorial.pt.
5	historical article.pt.
6	anecdote.pt.
7	commentary.pt.
8	note.pt.
9	case report/
10	case report\$.pt.
11	case study/
12	case study.pt.
13	exp animal/ not human/
14	nonhuman/
15	exp animal studies/
16	animals, laboratory/
17	exp experimental animal/
18	exp animal experiment/
19	exp animal model/
20	exp rodentia/
21	exp rodents/
22	exp rodent/
23	or/1-22

## 4. Risk Factors, Risk Assessment Tools and Prognosis

The following searches were combined with the TLOC patient filter and the exclusions filter.

### *Medline*

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<b>No.</b>	<b>Search terms</b>
1	((decision or predict\$ or assess\$ or screen\$ or score\$ or scoring or stratif\$) adj3 (tool\$ or rule\$ or instrument\$1 or index\$ or test\$ or technique\$ or analys\$)).mp.
2	risk stratif\$.mp.
3	decision support.mp.
4	or/1-3
5	(risk\$ adj2 (factor\$ or assessment\$)).mp.
6	(logistic\$ adj model\$).mp.
7	exp risk/
8	exp causality/
9	et.fs.
10	or/5-9
11	Incidence/
12	exp mortality/
13	Follow-Up Studies/
14	prognos\$.tw.
15	predict\$.tw.
16	course\$.tw.
17	or/11-16
18	4 or 10 or 17

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### *Embase*

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<b>No.</b>	<b>Search terms</b>
1	((decision or predict\$ or assess\$ or screen\$ or score\$ or scoring or stratif\$) adj3 (tool\$ or rule\$ or instrument\$1 or index\$ or test\$ or technique\$ or analys\$)).mp.
2	risk stratif\$.mp.
3	decision support.mp.
4	or/1-3
5	Incidence/
6	exp mortality/
7	follow-up studies/
8	prognos\$.tw.
9	predict\$.tw.
10	course\$.tw.
11	or/5-10
12	(risk\$ adj2 (factor\$ or assessment\$)).mp.
13	(logistic\$ adj model\$).mp.
14	exp risk/
15	exp etiology/
16	et.fs.
17	or/12-15
18	4 or 11 or 17

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### **Psycinfo (SilverPlatter)**

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<b>No.</b>	<b>Search terms</b>
#17	#4 or #11 or #16
#16	#12 or #13 or #14 or #15
#15	explode "mortality-rate" in MJ,MN
#14	explode "followup-studies" in MJ,MN
#13	explode "disease-course" in MJ,MN
#12	(prognos* or predict* or course*) in TI,AB,MJ,MN
#11	#5 or #6 or #7 or #8 or #9 or #10
#10	explode "causality-" in MJ,MN
#9	explode "etiology-" in MJ,MN
#8	explode "risk-factors" in MJ,MN
#7	explode "risk-assessment" in MJ,MN
#6	(logistic* model*) in TI,AB,MJ,MN
#5	(risk* near2 (factor* or assessment*)) in TI,AB,MJ,MN
#4	#1 or #2 or #3
#3	(decision support) in TI,AB,MJ,MN
#2	(risk stratif*) in TI,AB,MJ,MN
#1	((decision or predict* or assess* or screen* or score* or scoring or stratif*) near3 (tool* or rule* or instrument? or index* or test* or technique* or analys*)) in TI,AB,MJ,MN

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### **Psycinfo (OVID)**

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<b>No.</b>	<b>Search terms</b>
1	((decision or predict* or assess* or screen* or score* or scoring or stratif*) adj3 (tool* or rule* or instrument? or index* or test* or technique* or analys*)).ti,ab,hw.
2	(risk stratif*).ti,ab,hw.
3	(decision support).ti,ab,hw.
4	or/1-3
5	(risk* adj2 (factor* or assessment*)).ti,ab,hw.
6	(logistic* model*).ti,ab,hw.
7	exp risk assessment/
8	exp risk factors/
9	exp etiology/
10	exp causality/
11	or/5-10
12	(prognos* or predict* or course*).ti,ab,hw.
13	exp disease course/
14	exp followup studies/
15	exp mortality rate/
16	or/12-15
17	4 or 11 or 16

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### **Cinahl**

The search was performed on cinahl using the patient filter only. The risk factor, risk assessment tools and prognosis sections of the search were too complex to translate to the EBSCO interface.

## ***The Cochrane Library***

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<b>No.</b>	<b>Search terms</b>
#1	((decision or predict* or assess* or screen* or score* or scoring or stratif*) near/3 (tool* or rule* or instrument? or index* or test* or technique* or analys*)):ti,ab,kw
#2	risk stratif*:ti,ab,kw
#3	decision support:ti,ab,kw
#4	(#1 OR #2 OR #3)
#5	(risk* near/2 (factor* or assessment*)):ti,ab,kw
#6	(logistic* model*):ti,ab,kw
#7	(risk* or causality or etiology or aetiology):ti,ab,kw
#8	(#5 OR #6 OR #7)
#9	(prognos* or predict* or course*):ti,ab,kw
#10	(incidence or mortality or follow-up or followup or follow up):ti,ab,kw
#11	(#9 OR #10)
#12	(#4 OR #8 OR #11)

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## 5. Epidemiology

The medline and embase search strategies are presented in full. Those for Cinahl and Psycinfo were combined with the TLOC patient filter.

### *Medline*

No.	Search terms
1	incidence/
2	prevalence/
3	epidemiology/
4	ep.fs.
5	unconsciousness/
6	black?out\$.ti,ab.
7	(pass\$ adj out).ti,ab.
8	(tloc or t-loc).ti,ab.
9	((transient or temporary or short or brief or paroxysmal) adj3 (los\$ adj2 conscious\$)).ti,ab.
10	or/5-9
11	exp syncope/
12	pre?syncop\$.ti,ab.
13	syncop\$.ti,ab.
14	or/11-13
15	neurally mediated hypotension.mp.
16	reflex anoxic seizure\$.mp.
17	complex faint\$.mp.
18	((psychogenic or non?epilep\$ or hysteri\$ or pseudo or doxogenic) adj (black?out\$ or attack\$ or seizure\$)).mp.
19	((hyster\$ or pseudo) adj epilep\$).mp.
20	pseudo?seizure\$.mp.
21	hysteroepilep\$.mp.
22	pseudoepilep\$.mp.
23	conversion fit\$.mp.
24	or/15-23
25	10 or 14 or 24
26	unconsciousness/ep
27	exp syncope/ep
28	6 or 7 or 8 or 9 or 12 or 13 or 24
29	1 or 2 or 3
30	28 and 29
31	28 and 4
32	26 or 27 or 31
33	or/1-3
34	25 and 33
35	32 or 34

## **Embase**

<b>No.</b>	<b>Search terms</b>
1	incidence/
2	prevalence/
3	exp epidemiology/
4	ep.fs.
5	unconsciousness/
6	collapse/
7	black?out\$.ti,ab.
8	(pass\$ adj out).ti,ab.
9	(tloc or t-loc).ti,ab.
10	((transient or temporary or short or brief or paroxysmal) adj3 (los\$ adj2 conscious\$)).ti,ab.
11	or/5-10
12	*syncope/
13	pre?syncop\$.ti,ab.
14	syncop\$.ti,ab.
15	or/12-14
16	neurally mediated hypotension.mp.
17	reflex anoxic seizure\$.mp.
18	complex faint\$.mp.
19	pseudoepileptic seizure/
20	((psychogenic or non?epilep\$ or hysteri\$ or pseudo or doxogenic) adj (black?out\$ or attack\$ or seizure\$)).mp.
21	((hyster\$ or pseudo) adj epilep\$).mp.
22	pseudo?seizure\$.mp.
23	hysteroepilep\$.mp.
24	pseudoepilep\$.mp.
25	conversion fit\$.mp.
26	or/16-25
27	11 or 15 or 26
28	unconsciousness/ep
29	collapse/ep
30	syncope/ep
31	pseudoepileptic seizure/ep
32	7 or 8 or 9 or 10 or 13 or 14 or 16 or 17 or 18 or 20 or 21 or 22 or 23 or 24 or 25
33	or/1-3
34	32 and 33
35	or/28-31
36	34 or 35
37	27 and 33
38	36 or 37

## **Psycinfo (SilverPlatter)**

<b>No.</b>	<b>Search terms</b>
#3	#1 or #2
#2	(inciden* or prevalen* or frequency or occurrence* or outbreak*) in TI,AB,MJ,MN
#1	"epidemiology-" in MJ,MN

### **Psycinfo (OVID)**

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<b>No.</b>	<b>Search terms</b>
1	epidemiology.hw.
2	(inciden* or prevalen* or frequency or occurrence* or outbreak*).ti,ab,hw.
3	1 or 2

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### **Cinahl**

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<b>No.</b>	<b>Search terms</b>
S4	S1 or S2 or S3
S3	(MW "epidemiology"
S2	(MH "prevalence"
S1	(MH "incidence"

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## 6. Diagnosis

The following searches were combined with the TLOC patient filter and the exclusions filter. Studies already retrieved via the search for risk factors, risk assessment tools and prognosis were excluded from the results.

### **Medline**

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<b>No.</b>	<b>Search terms</b>
1	exp echocardiography/
2	electrocardiography/
3	electrocardiography, ambulatory/
4	us.fs.
5	((holter or event or heart or cardiac or blood pressure) and (record\$ or monitor\$)).mp.
6	"reveal plus".mp.
7	ILR\$.mp.
8	((insert\$ or implant\$ or intern\$) and loop\$ and (record\$ or monitor\$)).mp.
9	blood pressure monitoring, ambulatory/
10	tilt-table test/
11	exercise test/
12	exp magnetic resonance imaging/
13	tomography, x-ray computed/
14	exp electroencephalography/
15	carotid sinus/
16	(carotid adj2 (massage or hypersensitivity)).ti,ab.
17	or/1-16

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### **Embase**

---

<b>No.</b>	<b>Search terms</b>
1	exp echocardiography/
2	electrocardiography/
3	electrocardiography monitoring/
4	holter monitoring/
5	ambulatory monitoring/
6	((holter or event or heart or cardiac or blood pressure) and (record\$ or monitor\$)).mp.
7	"reveal plus".mp.
8	ILR\$.mp.
9	((insert\$ or implant\$ or intern\$) and loop\$ and (record\$ or monitor\$)).mp.
10	blood pressure monitoring/
11	tilt table test/
12	exercise test/
13	exp nuclear magnetic resonance imaging/
14	computer assisted tomography/
15	exp electroencephalography/
16	carotid sinus massage/
17	carotid sinus/
19	(carotid adj2 (massage or hypersensitivity)).ti,ab.
20	or/1-19

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## **Cinahl**

---

<b>No.</b>	<b>Search terms</b>
S17	S16 or S15 or S14 or S13 or S12 or S11 or S10 or S9 or S8 or S7 or S6 or S5 or S4 or S3 or S2 or S1
S16	carotid N2 massage
S15	carotid N2 hypersensitiv*
S14	(MH "electroencephalography")
S13	(MH "tomography, x-ray computed")
S12	(MH "magnetic resonance imaging+")
S11	(MH "exercise test, cardiopulmonary")
S10	(MH "tilt-table test")
S9	(MH "blood pressure monitoring, ambulatory")
S8	((insert* or implant* or intern*) and loop* and (record* or monitor*))
S7	ILR*
S6	"reveal plus"
S5	(holter or event or heart or cardiac or blood pressure) and (record* or monitor*)
S4	MW ultrasonography
S3	(MH "electrocardiography, ambulatory")
S2	(MH "electrocardiography+")
S1	(MH "echocardiography+")

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## **The Cochrane Library**

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<b>No.</b>	<b>Search terms</b>
#1	echocardiogra*:ti,ab,kw
#2	(electrocardiogra* or ECG or EKG):ti,ab,kw
#3	((holter or event or ambulatory or heart or cardiac or blood pressure) and (record* or monitor*)):ti,ab,kw
#4	"reveal plus":ti,ab,kw
#5	ILR*:ti,ab,kw
#6	((insert* or implant* or intern*) and loop* and (record* or monitor*)):ti,ab,kw
#7	tilt-table test*:ti,ab,kw
#8	exercise test*:ti,ab,kw
#9	(magnetic resonance imaging or MRI):ti,ab,kw
#10	(tomography and compute*) or (CAT scan*) or (CT scan*):ti,ab,kw
#11	(electroencephalography or EEG):ti,ab,kw
#12	((ultrasound or ultrasonic) near/2 diagnos*):ti,ab,kw
#13	(carotid near/2 (massage or hypersensitivity)):ti,ab,kw
#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)

---

## 7. Pacemakers for Carotid Sinus Hypersensitivity

These search strategies are presented in full. No search filters were used.

### **Medline**

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<b>No.</b>	<b>Search terms</b>
1	carotid sinus/
2	(carotid adj2 hypersensitivity).ti,ab.
3	1 or 2
4	pacemaker, artificial/
5	cardiac pacing, artificial/
6	(pacing or pacemaker*).ti,ab.
7	or/4-6
8	3 and 7

---

### **Embase**

---

<b>No.</b>	<b>Search terms</b>
1	carotid sinus/
2	(carotid adj2 hypersensitivity).ti,ab.
3	1 or 2
4	pacemaker/
5	artificial heart pacemaker/
6	heart pacing/
7	(pacing or pacemaker*).ti,ab.
8	or/4-7
9	8 and 3

---

### **Cinahl**

---

<b>No.</b>	<b>Search terms</b>
S8	S3 and S7
S7	S4 or S5 or S6
S6	pacing or pacemaker*
S5	(MH "cardiac pacing, artificial")
S4	(MH "pacemaker, artificial")
S3	S1 or S2
S2	carotid N2 sinus*
S1	carotid N2 hypersensitiv*

---

### **The Cochrane Library**

---

<b>No.</b>	<b>Search terms</b>
#1	(carotid near/2 (sinus or hypersensitivity)):ti,ab,kw
#2	(pacing or pacemaker* ):ti,ab,kw
#3	(#1 AND #2)

---

## 8. Automated ECG vs. Manual ECG

These search strategies are presented in full. No search filters were used.

### **Medline**

<b>No.</b>	<b>Search terms</b>
1	exp arrhythmias, cardiac/ (cardiac arrhythmias or torsade* de pointes or tachycardia or long QT syndrome).ti,ab.
2	1 or 2
3	1 or 2
4	exp electrocardiography/mt (automat* or manual).ti,ab.
5	4 and 5
6	3 and 6
7	exp electrocardiography/ (electrocardiography or electrocardiogram or ECG).ti,ab.
8	8 or 9
9	8 or 9
10	algorithms/ 3 and 5 and 10 and 11
11	3 and 5 and 10 and 11
12	7 or 12
13	7 or 12

### **Embase**

<b>No.</b>	<b>Search terms</b>
1	exp heart arrhythmia/ (cardiac arrhythmias or torsade* de pointes or tachycardia or long QT syndrome).ti,ab.
2	1 or 2
3	1 or 2
4	exp electrocardiogram/ (electrocardiography or electrocardiogram or ECG).ti,ab.
5	(electrocardiography or electrocardiogram or ECG).ti,ab.
6	(automat* or manual).ti,ab.
7	4 or 5
8	3 and 6 and 7
9	exp algorithm/ 8 and 9
10	8 and 9
11	exp methodology/ 8 and 11
12	8 and 11
13	10 or 12

### **Cinahl**

<b>No.</b>	<b>Search terms</b>
S11	S6 and S7 and S10
S10	S8 or S9
S9	electrocardiography or electrocardiogram or ECG
S8	(MH "electrocardiography+")
S7	automat* or manual
S6	S1 or S2 or S3 or S4 or S5
S5	tachycardia
S4	torsade* N1 pointes
S3	long QT syndrome
S2	cardiac arrhythmias
S1	(MH "arrhythmia+")

## ***The Cochrane Library***

---

<b>No.</b>	<b>Search terms</b>
#1	(cardiac arrhythmias or torsade* de pointes or tachycardia or long QT syndrome):kw,ti,ab
#2	MeSH descriptor Arrhythmias, Cardiac explode all trees
#3	(#1 OR #2)
#4	MeSH descriptor Electrocardiography explode all trees with qualifier: MT
#5	(automat* or manual):kw,ti,ab
#6	(#3 AND #4 AND #5)
#7	MeSH descriptor Electrocardiography explode all trees
#8	(electrocardiography or electrocardiogram or ECG):ti,ab,kw
#9	(#7 OR #8)
#10	(#5 AND #9)
#11	(#3 AND #10)
#12	(#6 OR #11)

---

## 9. Health Economics

The TLOC patient filter was combined with the following filters for health economics and quality of life studies. The search also incorporated a strategy for retrieving studies relating to the misdiagnosis of epilepsy (see below). Searches for health economics were performed on Medline, Embase, the Health Technology Appraisals (HTA) database and the NHS Economic Evaluations Database (NHSEED) in accordance with the NICE Guidelines Manual. The latter two databases were searched via the Cochrane Library with no study design filters applied. Health economics searches were restricted by date on medline and embase to studies published since 1990.

### 9.1. Health Economics and Quality of Life filters

#### Medline

No.	Search terms
1	exp "costs and cost analysis"/
2	economics/
3	exp economics, hospital/
4	exp economics, medical/
5	exp economics, nursing/
6	exp economics, pharmaceutical/
7	exp "fees and charges"/
8	exp budgets/
9	ec.fs.
10	(economic\$ or pharmaco-economic\$ or price\$ or pricing\$ or cost\$ or budget\$).ti,ab.
11	(value adj2 (money or monetary)).ti,ab.
12	(expenditure not energy).ti,ab.
13	or/1-12
14	((metabolic or energy or oxygen) adj1 cost\$).ti,ab.
15	13 not 14
16	exp quality-adjusted life years/
17	quality adjusted life.tw.
18	exp "quality of life"/
19	value of life/
20	(qaly\$ or qald\$ or qale\$ or qtime\$).tw.
21	disability adjusted life.tw.
22	daly\$.tw.
23	health status indicators/
24	(sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).tw.
25	(sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw.
26	(sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw.
27	(sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw.
28	(sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform

- twenty or short form twenty).tw.  
 29 (euroqol or euro qol or eq5d or eq 5d).tw.  
 30 (hql or hqol or h qol or hrqol or hr qol).tw.  
 31 (hye or hyes).tw.  
 32 health\$ year\$ equivalent\$.tw.  
 33 health utilit\$.tw.  
 34 (hui or hui1 or hui2 or hui3).tw.  
 35 disutili\$.tw.  
 36 rosser.tw.  
 37 quality of well?being.tw.  
 38 qwb.tw.  
 39 willingness to pay.tw.  
 40 standard gamble\$.tw.  
 41 time trade off.tw.  
 42 time tradeoff.tw.  
 43 tto.tw.  
 44 or/16-43  
 45 15 or 44

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## **Embase**

<b>No.</b>	<b>Search terms</b>
1	health economics/
2	exp economic evaluation/
3	exp health care cost/
4	exp pharmacoeconomics/
5	exp fee/
6	budget/
7	(economic\$ or pharmacoeconomic\$ or cost\$ or price\$ or pricing\$ or budget\$).ti,ab.
8	(value adj2 (money or monetary\$)).ti,ab.
9	(expenditure not energy).ti,ab.
10	or/1-9
11	((metabolic or energy or oxygen) adj1 cost\$).ti,ab.
12	10 not 11
13	quality adjusted life year/
14	quality of life/
15	(qaly\$ or qald\$ or qale\$ or qtime\$).tw.
16	daly\$.tw.
17	quality adjusted life.tw.
18	disability adjusted life.tw.
19	(sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).tw.
20	(sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw.
21	(sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).tw.
22	(sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).tw.
23	(sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).tw.
24	(euroqol or euro qol or eq5d or eq 5d).tw.
25	(hql or hqol or h qol or hrqol or hr qol).tw.
26	(hye or hyes).tw.
27	health\$ year\$ equivalent\$.tw.
28	health utilit\$.tw.
29	(hui or hui1 or hui2 or hui3).tw.

- 30 disutili\$.tw.
  - 31 rosser.tw.
  - 32 quality of well?being.tw.
  - 33 qwb.tw.
  - 34 willingness to pay.tw.
  - 35 standard gamble\$.tw.
  - 36 time trade off.tw.
  - 37 time tradeoff.tw.
  - 38 tto.tw.
  - 39 or/13-38
  - 40 12 or 39
- 

## 9.2. *Misdiagnosis of epilepsy*

These additional search strategies were added to the patient filter (using Boolean “or”) and, on medline and embase, combined with the above filters for health economics and quality of life.

### **Medline**

No.	Search terms
1	exp diagnostic errors/
2	diagnosis, differential/
3	misdiagnos\$.ti,ab.
4	or/1-3
5	exp epilepsy/
6	4 and 6

### **Embase**

No.	Search terms
1	exp diagnostic error/
2	misdiagnos\$.ti,ab.
3	differential diagnosis/
4	exp epilepsy/
5	or/1-3
6	4 and 5

### **The Cochrane Library**

No.	Search terms
#1	diagnos* near/2 error*:ti,ab,kw
#2	misdiagnos*:ti,ab,kw
#3	different* near/2 diagnos*:ti,ab,kw
#4	epilep*:ti,ab,kw
#5	(#1 OR #2 OR #3)
#6	(#4 AND #5)