

APPENDIX 10: CLINICAL EVIDENCE - SEARCH STRATEGIES

Abbreviations

CDSR	Cochrane Database of Systematic Reviews
CINAHL	Cumulative Index to Nursing and Allied Health Literature
DARE	Cochrane Database of Abstracts of Reviews of Effects
Embase	Excerpta Medica Database
GDG	Guideline Development Group
HTA	Health Technology Assessment
MEDLINE	Medical Literature Analysis and Retrieval System Online
NHS	National Health Service
NICE	National Institute for Health and Care Excellence
RCT	randomised controlled trial
PreMEDLINE	In process bibliographic citations for MEDLINE
p.r.n.	pro re nata (as required)
PsycINFO	Psychological Information Database
SR	systematic review

Search strategies for the identification of clinical studies

Scoping search

A broad preliminary search of the literature was undertaken in February 2013 to obtain an overview of the issues likely to be covered by the scope, and to help define key areas. Searches were restricted to clinical guidelines, Health Technology Assessment (HTA) reports, key systematic reviews and RCTs.

- BMJ Clinical Evidence
- Canadian Medical Association Infobase (Canadian guidelines)
- Clinical Policy and Practice Program of the New South Wales Department of Health (Australia)
- Clinical Practice Guidelines (Australian Guidelines)
- Cochrane Central Register of Controlled Trials
- Cochrane Database of Abstracts of Reviews of Effects (DARE)
- Cochrane Database of Systematic Reviews (CDSR)
- Excerpta Medica Database (Embase)
- Guidelines International Network
- Health Evidence Bulletin Wales
- Health Management Information Consortium
- HTA database (technology assessments)
- Medical Literature Analysis and Retrieval System Online (MEDLINE/MEDLINE In-Process)
- National Health and Medical Research Council
- National Library for Health Guidelines Finder
- New Zealand Guidelines Group
- NHS Centre for Reviews and Dissemination
- Organizing Medical Networked Information Medical Search
- Scottish Intercollegiate Guidelines Network (SIGN)
- Turning Research Into Practice
- United States Agency for Healthcare Research and Quality
- Websites of NICE – including NHS Evidence – and the National Institute for Health Research HTA Programme for guidelines and HTAs in development.

Further information about this process can be found in [The Guidelines Manual](#).

Systematic search

Each search was constructed using the groups of terms set out in Text Box 1.

Text Box 1: Summary of systematic search strategies

Mental health service users				
Review question and search construction		Study design limit	Databases searched	Dates searched
1.1	<p>Does race/ethnicity of a service user or staff member make a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.2	<p>Do service users perceive that the race/ethnicity of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014

		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.3	Does gender of a service user or staff member make a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings? Search construction: [population search terms AND qualitative SR study design terms]	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.4	Do service users perceive that the gender of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings? Search construction: [population search terms AND qualitative SR study design terms]	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.5	What are the service users' perspectives of the considerations needed for the short-term management of violent and aggressive behaviour in health and community care settings where the service user has physical disabilities? Search construction: [population search terms AND qualitative SR study design terms]	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014

		Supplemented with evidence retrieved from SR searches for all guideline parts		
Carers of mental health service users				
Review question and search construction		Study design limit	Databases searched	Dates searched
1.6	<p>Do carers perceive that the race/ethnicity of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.7	<p>Do carers perceive that the gender of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.8	What are the carers of mental health service users	Qualitative SR	CINAHL, Embase,	2003 to

	<p>perspectives of the considerations needed for the short-term management of violent and aggressive behaviour in health and community care settings where the service user has physical disabilities?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>		<p>MEDLINE, PreMEDLINE, PsycINFO</p>	<p>04.08.2014</p>
		<p>Supplemented with evidence retrieved from SR searches for all guideline parts</p>		
<p>Staff</p>				
<p>Review question and search construction</p>		<p>Study design limit</p>	<p>Databases searched</p>	<p>Dates searched</p>
<p>1.9</p>	<p>Do staff perceive that the race/ethnicity of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive behaviour incident in health and community care settings?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	<p>Qualitative SR</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>
		<p>Supplemented with evidence retrieved from SR searches for all guideline parts</p>		
<p>1.10</p>	<p>Do service users perceive that the gender of a service user or staff member makes a difference to how they are treated when they are involved in a violent and aggressive</p>	<p>Qualitative SR</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>

	Search construction: [population search terms AND qualitative SR study design terms]			
		Supplemented with evidence retrieved from SR searches for all guideline parts		
1.11	<p>What are the staff perspectives of the considerations needed for the short-term management of violent and aggressive behaviour in health and community care settings where the service user has physical disabilities?</p> <p>Search construction: [population search terms AND qualitative SR study design terms]</p>	Qualitative SR	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
		Supplemented with evidence retrieved from SR searches for all guideline parts		
Risk factors and prediction				
Review question and search construction		Study design limit	Databases searched	Dates searched
Pre-event				
2.1	What are the risk factors and antecedents (including staff characteristics) for violent and aggressive behaviour by mental health service users in health and community care settings?	Prospective cohort	Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.1.1	Do the identified risk factors have good predictive validity for future violent and aggressive behaviour by mental health service users in health and community care settings?			

	Search construction: [population search terms AND risk factor terms AND prospective cohort study design terms]			
2.2	What factors do service users and staff report as increasing the risk of violent and aggressive behaviour by mental health service users in health and community care settings? Search construction: [population search terms AND qualitative SR study design terms]	Qualitative SR	Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.3	Which instruments most reliably predict violent and aggressive behaviour by mental health service users in health and community care settings in the short-term?	Diagnostic/RCT	Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.3.1	Do the identified instruments have good predictive validity for future violent and aggressive behaviour by mental health service users in health and community care settings? Search construction: [population search terms AND instrument terms AND diagnostic accuracy terms]			
2.4	What is the best the approach for anticipating violent and aggressive behaviour by mental health service users in health and community care settings?	No search – integrated findings from review questions 2.1–2.3, and sought Guideline Development Group expert opinion		
Prevention interventions				
Review question and search construction		Study design limit	Databases searched	Dates searched

Pre-event				
2.5	<p>Do observation techniques, used to pre-empt or prevent violent and aggressive behaviour by mental health service users in an inpatient setting, produce benefits that outweigh possible harms when compared to an alternative approach?</p> <p>Search construction: [population search terms AND observation technique terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.6	<p>Do modifications to the environment (physical and social) of health and community care settings, used to reduce the risks of violent and aggressive behaviour by mental health service users, produce benefits that outweigh possible harms when compared to an alternative approach?</p> <p>Search construction: [population search terms AND environment terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.7	<p>Do management strategies (including staffing levels and IT systems), used to reduce the risks of violent and aggressive behaviour by mental health service users, produce benefits that outweigh possible harms when compared to an alternative approach?</p> <p>Search construction: [population search terms AND management strategy AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
2.8	Do training programmes for the use of interventions	SR, RCT, cohort study	CINAHL, Embase,	2003 to

	<p>designed to prevent and manage violent and aggressive behaviour by mental health service users in health and community care settings, for staff, and for staff and service users combined, produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND training terms terms AND SR/RCT/cohort study design terms]</p>		<p>MEDLINE, PreMEDLINE, PsycINFO</p>	<p>04.08.2014</p>
3.5	<p>Do de-escalation methods used to prevent imminent violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND de-escalation terms AND SR/RCT/cohort study design terms]</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>
<p>Immediately-pre-event</p>				
3.2	<p>Do observation techniques used to pre-empt or prevent imminent violent and aggressive behaviour by mental health service users in an inpatient setting produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms observation terms AND SR/RCT/cohort study design terms]</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>
3.3	<p>Do personal and institutional alarms, CCTV and</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase,</p>	<p>2003 to</p>

	<p>communication devices used to alert staff to imminent violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND devices used to alert staff terms AND SR/RCT/cohort study design terms]</p>		<p>MEDLINE, PreMEDLINE, PsycINFO</p>	<p>04.08.2014</p>
3.4	<p>What principles of practice are necessary to ensure the effectiveness of personal and institutional alarms, CCTV and communication devices in reducing violent and aggressive behaviour by mental health service users in health and community care settings when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND devices used to alert staff terms AND SR/RCT/cohort study design terms]</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>
3.6	<p>Does p.r.n. (prorenata) medication used to prevent imminent violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND p.r.n. terms AND SR/RCT/cohort study design terms]</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO</p>	<p>2003 to 04.08.2014</p>
<p>During event</p>				
4.2	<p>Does the use of personal and institutional alarms, CCTV and communication devices for the short-term</p>	<p>SR, RCT, cohort study</p>	<p>CINAHL, Embase, MEDLINE,</p>	<p>2003 to 04.08.2014</p>

	management of violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy? Search construction: [population search terms AND devices for the management of violence AND SR/RCT/cohort study design terms]		PreMEDLINE, PsycINFO	
4.13	What are the most effective and safe training programmes for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings? Search construction: [population search terms AND staff training terms AND SR/RCT/cohort study design terms]	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
Physical restraint/seclusion				
Review question and search construction		Study design limit	Databases searched	Dates searched
During event				
4.3	Does seclusion used for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy? Search construction: [population search terms AND seclusion terms AND SR/RCT/cohort study design terms]	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014

4.5	<p>Do physical restraint techniques (including, manual and mechanical restraint) used by staff for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND physical restraint terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
4.6	<p>If physical restraint techniques (including, manual and mechanical restraint) are used by staff for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings, how should use be modified if, for example, the service user is:</p> <ul style="list-style-type: none"> • undergoing withdrawal • intoxicated • a heavy drinker • seriously medically ill • has physical disabilities or injuries or is physically frail • pregnant • obese. <p>Search construction: [population search terms AND physical restraint terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
Non-pharmacological management strategies				

Review question and search construction		Study design limit	Databases searched	Dates searched
During event				
4.1	<p>Do modifications to the environment (both physical and social) of health and community care settings used to reduce the level of violent and aggressive behaviour by service users with mental health conditions produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND environment terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
4.4	<p>Do de-escalation methods used for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy?</p> <p>Search construction: [population search terms AND de-escalation terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
4.9	<p>What factors should influence the decision to transfer a mental health service user with violent and aggressive behaviour to a more secure environment?</p> <p>Search construction: [population search terms AND patient transfer terms AND SR/RCT/observational study design terms]</p>	SR, RCT, observational study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
4.10	<p>What is the best management strategy for the transfer of</p>	SR, RCT, observational	CINAHL, Cochrane,	Database

	mental health service users to or between places of safety? Search construction: [population search terms AND patient transfer terms AND SR/RCT/observational study design terms]	study	Embase, MEDLINE, PreMEDLINE, PsycINFO	inception to 04.08.2014
Pharmacological management strategies				
Review question and search construction		Study design limit	Databases searched	Dates searched
During event				
4.7	Do brief or fast acting pharmacological interventions used for the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings produce benefits that outweigh possible harms when compared to an alternative management strategy? Search construction: [population search terms AND brief/fast acting pharmacological terms AND SR/RCT/cohort study design terms]	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014
4.8	If brief or fast acting pharmacological interventions are used in the short-term management of violent and aggressive behaviour by mental health service users in health and community care settings, how should use be modified if, for example, the service user is: undergoing withdrawal <ul style="list-style-type: none"> • intoxicated • a heavy drinker 	SR, RCT, cohort study	CINAHL, Embase, MEDLINE, PreMEDLINE, PsycINFO	2003 to 04.08.2014

	<ul style="list-style-type: none"> seriously medically ill has physical disabilities or injuries or is physically frail pregnant obese. <p>Search construction: [population search terms AND brief/fast acting pharmacological terms AND SR/RCT/cohort study design terms]</p>			
Substance misuse				
Review question and search construction		Study design limit	Databases searched	Dates searched
Pre-event				
2.11	What is the most appropriate method of recognition and management of substance misuse in mental health service users with violent and aggressive behaviour in health and community care settings?	No search – integrated findings from published NICE guidance.		
Mental Health Act				
Review question and search construction		Study design limit	Databases searched	Dates searched
Pre-event				
2.12	Does being subject to the Mental Health Act alter the risk of violent and aggressive behaviour by mental health service users in health and community care settings?	SR, RCT, cohort study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
2.12.1	If so, is the effect of detention proportional in relation to			

	the factors that led to its implementation? Search construction: [population search terms AND Mental Health Act terms AND SR/RCT/cohort study design terms]			
Advance directives				
Review question and search construction		Study design limit	Databases searched	Dates searched
Pre-event				
2.9	What role should advance directives play in the prevention of violence and aggression by mental health service users in health and community care settings? Search construction: [population search terms AND advance directive terms AND SR/RCT/cohort study design terms]	SR, RCT, cohort study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
Immediately pre-event				
3.1	What role should advance directives play in the management of imminent violence and aggression by mental health service users in health and community care settings? Search construction: [population search terms AND advance directive terms AND SR/RCT/cohort study design terms]	SR, RCT, cohort study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
Interface between health and police				
		Study design limit	Databases searched	Dates

Review question and search construction				searched
During event				
4.11	<p>What is the best management strategy when the police are called to support mental health staff manage violent and aggressive behaviour by mental health service users in health and community care settings?</p> <p>Search construction: [population search terms AND police terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
4.12	<p>What is the best management strategy when mental health staff are required to call the police to take someone into custody because of violent and aggressive behaviour in health and community care settings?</p> <p>Search construction: [population search terms AND police terms AND SR/RCT/cohort study design terms]</p>	SR, RCT, cohort study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
Post-incident management				
Review question and search construction		Study design limit	Databases searched	Dates searched
Post-event				
5.1	<p>After violent and aggressive behaviour by mental health service users in health and community care settings, what post-incident management should occur for the service user(s) involved?</p> <p>Search construction: [population search terms AND post-incident management terms AND SR/RCT/observational study design terms]</p>	RCT, observational study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014

5.2	<p>After violent and aggressive behaviour by mental health service users in health and community care settings, what post-incident management should occur for the staff involved?</p> <p>Search construction: [population search terms AND post-incident management terms AND SR/RCT/observational study design terms]</p>	RCT, observational study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014
5.3	<p>After violent and aggressive behaviour by mental health service users in health and community care settings, what post-incident management should occur for any witnesses involved?</p> <p>Search construction: [population search terms AND post-incident management terms AND SR/RCT/observational study design terms]</p>	RCT, observational study	CINAHL, Cochrane, Embase, MEDLINE, PreMEDLINE, PsycINFO	Database inception to 04.08.2014

POPULATION SEARCH TERMS

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

- 1 abuse/ or acting out/ or agitation/ or exp aggression/ or exp anger/ or assault/
or exp child abuse/ or disruptive behavior/ or emotional abuse/ or impulse
control disorder/ or intermittent explosive disorder/ or patient abuse/ or
physical abuse/ or exp sexual abuse/ or verbal hostility/ or exp violence/
- 2 1 use emez
- 3 acting out/ or exp domestic violence/ or exp aggression/ or exp anger/ or
dangerous behavior/ or hate/ or hostility/ or impulse control disorders/ or
sexual harrassment/ or torture/ or violence/
- 4 3 use mesz, prem
- 5 abuse reporting/ or acting out/ or exp aggressive behavior/ or aggressiveness/
or agitation/ or exp anger/ or anger control/ or battered females/ or exp child
abuse/ or dangerousness/ or elder abuse/ or emotional abuse/ or exposure to
violence/ or exp harrassment/ or hate/ or exp impulse control disorders/ or
patient abuse/ or exp partner abuse/ or rebelliousness/ or retaliation/ or exp
sexual abuse/ or threat/ or threat postures/ or torture/ or verbal abuse/ or exp
violence/
- 6 5 use psych
- 7 (abus\$ or acutely excited or aggress\$ or agit\$ or agonistic or anger or angry or
assault\$ or attack\$ or bizarre or challenging behav\$ or combative or danger\$ or
disrupt\$ or disturb\$ or (explosive adj2 disorder) or harass\$ or hostil\$ or (impulse
control adj disorder) or intimidat\$ or rage\$ or threat\$ or un?toward or
violen\$).ti,ab.
- 8 or/2,4,6-7
- 9 exp mental disease/ or mental patient/
- 10 9 use emez
- 11 exp mental disorders/ or mentally ill persons/
- 12 11 use mesz, prem,psych
- 13 exp chronic mental illness/ or exp mental disorders/
- 14 13 use psych
- 15 ((mental\$ or psychologic\$) adj2 (deficien\$ or disease\$ or disorder\$ or
disturbance\$ or dysfunction\$ or health or illness\$ or problem\$)).ti,ab,id.
- 16 or/10,12,14-15
- 17 anxiety/ or exp anxiety disorder/
- 18 17 use emez
- 19 anxiety/ or exp anxiety disorders/
- 20 19 use mesz, prem
- 21 anxiety/ or exp anxiety disorders/

22 21 use psych

(anxiety\$ or anxious\$ or ((chronic\$ or excessiv\$ or intens\$ or (long\$ adj2 last\$) or
23 neuros\$ or neurotic\$ or ongoing or persist\$ or serious\$ or sever\$ or uncontrol\$ or
un control\$ or unrelent\$ or un relent\$) adj2 worry)).ti,ab,id.

(body dysmorphic disorder or compulsions or compulsive behavior or obsessive
behavior).sh. or (body dysmorphi\$ or clean\$ response\$ or compulsion\$ or
24 dysmorphophobi\$ or imagine\$ ugl\$ or obsession or obsessional or obsessions or
obsessive compulsive or obsess\$ ruminat\$ or ocd or osteochondr\$ or recurr\$
thought\$ or scrupulosity or ((arrang\$ or check\$ or clean\$ or count\$ or hoard\$ or
order\$ or repeat\$ or symmetr\$ or wash\$) adj compulsi\$)).ti,ab,id,hw.

25 panic.sh. or panic\$.ti,ab.

26 (\$phobi\$).ti,ab,id.

(critical incident stress or emotional trauma or psychological stress or stress,
psychological or traumatic neurosis).sh. or (acute stress or asd or combat neuros\$
or combat syndrome or concentration camp syndrome or desnos or ((extreme or
psycho\$) adj (stress\$ or trauma\$)) or flash back\$ or flashback\$ or hypervigilan\$ or
27 hypervigilen\$ or posttrauma\$ or post trauma\$ or ptsd or railway spine or (rape
adj2 trauma\$) or re experienc\$ or reexperienc\$ or stress disorder\$ or torture
syndrome or (traumatic adj (neuros\$ or stress)) or (trauma\$ and (avoidance or
birth\$ or death\$ or emotion\$ or grief or horror or nightmare\$ or night
mare\$))).ti,ab,id.

28 or/18,20,22-27

29 exp eating disorder/ use emez or exp eating disorders/ use mesz, prem,psych
(anorexi\$ or bing\$ or bulimi\$ or (compulsive adj2 (eat\$ or vomit\$)) or (eating adj2
30 disorder\$) or ednos or ((forced or self induc\$ or selfinduc\$) adj2 (purg\$ or
vomit\$)) or hyperorexia or over eat\$ or overeat\$ or (restrict\$ adj2 eat\$)).ti,ab,id.

31 or/29-30

32 exp mood disorder/ use emez

33 depression/ or exp mood disorders/ use mesz, prem

34 exp affective disorders/ use psych

35 ((affective or mood) adj (disorder\$ or disturbance\$ or dysfunction\$)).ti,ab,id.

36 (cyclothym\$ or depres\$ or dysthym\$ or (low adj2 mood) or melanchol\$ or
seasonal affective disorder\$).ti,ab,id.

((bipolar or bi polar) adj5 (disorder\$ or depress\$)) or ((cyclothymi\$ or rapid or
37 ultradian) adj5 cycl\$) or hypomani\$ or mania\$ or manic\$ or mixed episode\$ or
rcbd).ti,ab,id.

38 or/32-37

39 "explode schizophrenia"/ or (psychosis\$ or psychotic\$).hw.

40 39 use emez

41 exp psychotic disorders/ or exp schizophrenia/ or "schizophrenia and disorders
with psychotic features"/

42 41 use mesz, prem

- 43 exp psychosis/ or exp schizophrenia/
44 43 use psych
(a?athisi\$ or hebephreni\$ or (neuroleptic\$ and ((malignant and syndrome) or
(movement adj2 disorder))) or oligophreni\$ or psychotic\$ or psychos?s or schizo\$
45 or (tardiv\$ and dyskine\$)).ti,ab,id. or ((parkinsoni\$ or neuroleptic induc\$).ti,ab,id.
not (parkinson\$ and disease).ti.) or (delusion\$ or hallucinat\$ or paranoi\$ or
psychiatric\$ or thought disorder\$).ti,ab,id,hw.
46 or/40,42,44-45
47 exp personality disorder/ use emez
48 exp personality disorders/ use mesz, prem
49 borderline states/ or exp personality disorders/
50 49 use psych
(((aggressiv\$ or anxious\$ or borderline\$ or dependent\$ or eccentric\$ or
51 emotional\$ or immature or passiv\$ or psychoneurotic or psycho neurotic or
unstable) adj5 personalit\$) or (anal\$ adj (personalit\$ or character\$ or retentiv\$)) or
aspd or character disorder\$ or (personalit\$ adj5 disorder\$)).ti,ab,id.
(anankastic\$ or asocial\$ or avoidant\$ or antisocial\$ or anti social\$ or compulsiv\$
52 or dissociat\$ or histrionic\$ or narciss\$ or neuropsychopath\$ or obsessiv\$ or
paranoi\$ or psychopath\$ or sadist\$ or schizoid\$ or schizotyp\$ or sociopath\$ or
(moral adj2 insanity)).ti,ab,id.
(cluster a or cluster b or cluster c or (dsm and (axis and ii)) or (icd and (f60 or f61
53 or f62)) or ((anxious\$ or dramatic\$ or eccentric\$ or emotional\$ or fearful\$ or odd\$)
adj5 cluster\$)).ti,ab.
54 or/47-48,50-53
55 exp alcohol abuse/ or exp drug dependence/ or exp drug abuse/ or exp
"smoking and smoking related phenomena"/ or substance abuse/
56 55 use emez
57 drug seeking behavior/ or exp smoking/ or exp substance-related disorders/
58 57 use mesz, prem
59 addiction/ or exp drug abuse/ or drug overdoses/ or sobriety/ or exp tobacco
smoking/
60 59 use psych
61 (alcoholi\$ or (alcohol\$ and (abstinence or detoxification or intoxicat\$ or rehabilit\$
or withdraw\$))).id,hw.
(alcoholi\$ or drinker\$1 or (drink\$ adj2 use\$1) or ((alcohol\$ or drink\$) adj5
(abstinen\$ or abstain\$ or abus\$ or addict\$ or attenuat\$ or binge\$ or crav\$ or
62 dependen\$ or detox\$ or disease\$ or disorder\$ or excessiv\$ or harm\$ or hazard\$ or
heavy or high risk or intoxicat\$ or misus\$ or overdos\$ or over dos\$ or problem\$
or rehab\$ or reliance or reliant or relaps\$ or withdraw\$)) or (control\$ adj2 drink\$)
or sobriet\$).ti,ab,id.
63 (cannabis or cocaine or hashish or heroin or marihuana or marijuana\$ or
((acetomorphine or amphetamine\$ or amphetamine\$ or analeptic\$ or crack or

crank or dextroamphetamine\$ or diacephine or diacetylmorphine or diacetylmorphine or diamorphin\$ or diamorphine or diaphorin or drug or methadone\$ or methamphetamine\$ or morfin\$ or morphacetin or morphin\$ or naltrexone or narcotic\$ or opioid\$ or opium or polydrug\$ or psychostimulant\$ or speed or stimulant\$ or stimulant\$ or substance or uppers) adj3 (abstain\$ or abstinen\$ or abus\$ or addict\$ or (excessive adj use\$) or dependen\$ or (inject\$ adj2 drug\$) or intoxicat\$ or misus\$ or over dos\$ or overdos\$ or (use\$ adj (disorder\$ or illicit)) or withdraw\$) or ((drug or substance) adj use\$)).ti,ab,hw,id. or (nicotin\$ or smoke\$ or smoking or tobacco).ti,ab,hw,id.

64 or/56,58,60-63

65 ((hysteria or somatoform disorder or somatization).ti,ab,hw. or (briquet or hysteri\$ or poly?symptom\$ or multi?somat\$ or (multiple and (mups or medically unexplained or unexplained symptoms or physical symptoms or symptom diagnos\$)) or somatiz\$ or somatis\$).ti,ab.)

66 or/16,28,31,38,46,54,64,65

67 8 and 66

65 ((hysteria or somatoform disorder or somatization).ti,ab,hw. or (briquet or hysteri\$ or poly?symptom\$ or multi?somat\$ or (multiple and (mups or medically unexplained or unexplained symptoms or physical symptoms or symptom diagnos\$)) or somatiz\$ or somatis\$).ti,ab.)

66 or/16,28,31,38,46,54,64,65

67 8 and 66

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1 mesh descriptor: [acting out] explode all trees
- #2 mesh descriptor: [domestic violence] explode all trees
- #3 mesh descriptor: [aggression] explode all trees
- #4 mesh descriptor: [anger] explode all trees
- #5 mesh descriptor: [dangerous behavior] explode all trees
- #6 mesh descriptor: [hate] explode all trees
- #7 mesh descriptor: [hostility] explode all trees
- #8 mesh descriptor: [impulse control disorders] explode all trees
- #9 mesh descriptor: [sexual harassment] explode all trees
- #10 mesh descriptor: [violence] explode all trees
- #11 (abus* or “acutely excited” or aggress* or agit* or agonistic or anger or angry or assault* or attack* or bizarre or “challenging behav*” or combative or danger* or disrupt* or disturb* or (explosive near/2 disorder) or harass* or hostil* or (“impulse control” near/1 disorder*) or intimidat* or rage* or threat* or “un toward” or untoward or violen*):ti
- #12 (abus* or “acutely excited” or aggress* or agit* or agonistic or anger or angry or assault* or attack* or bizarre or “challenging behav*” or combative or danger* or disrupt* or disturb* or (explosive near/2 disorder) or harass* or hostil* or (“impulse control” near/1 disorder*) or intimidat* or rage* or threat* or untoward or “un toward” or violen*):ab

- #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: [mental disorders] explode all trees
- #15 mesh descriptor: [mentally ill persons] explode all trees
- #16 ((mental* or psychologic*) near/2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)):ti
- #17 ((mental* or psychologic*) near/2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)):ab
- #18 mesh descriptor: [anxiety] explode all trees
- #19 mesh descriptor: [anxiety disorders] explode all trees
- #20 (anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* near/2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*")) near/2 worry)):ti
- #21 (anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* near/2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*")) near/2 worry)):ab
- #22 mesh descriptor: [body dysmorphic disorders] explode all trees
- #23 mesh descriptor: [compulsive behavior] explode all trees
- #24 mesh descriptor: [obsessive behavior] explode all trees
- #25 ("clean* response*" or compulsion* or obsession* or ("obsessive compulsive" near/1 (disorder* or neuros*)) or ocd or osteochondr* or compulsion or (recurr* near/1 (obsession* or thought)) or "body dysmorphi*" or dysmorphophobi* or "imagine* ugl*" or "obsess* ruminat*" or scrupulosity or ((arrang* or check* or clean* or count* or hoard* or order* or repeat* or symmetr* or wash*) near/1 compulsi*)):ab
- #26 ("clean* response*" or compulsion* or obsession* or ("obsessive compulsive" near/1 (disorder* or neuros*)) or ocd or osteochondr* or compulsion or (recurr* near/1 (obsession* or thought)) or "body dysmorphi*" or dysmorphophobi* or "imagine* ugl*" or "obsess* ruminat*" or scrupulosity or ((arrang* or check* or clean* or count* or hoard* or order* or repeat* or symmetr* or wash*) near/1 compulsi*)):ti
- #27 mesh descriptor: [panic] explode all trees
- #28 panic*:ti
- #29 panic*:ab
- #30 (*phobi*):ti
- #31 (*phobi*):ab
- #32 mesh descriptor: [stress, psychological] explode all trees
- #33 ("acute stress" or asd or "combat neuros*" or "combat syndrome" or "concentration camp syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or "hyper vigilan*" or posttrauma* or "post trauma*" or (psycho* near/1 (stress* or trauma*)) or ptsd or "railway spine" or (rape near/2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic near/1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*"))):ti
- #34 ("acute stress" or asd or "combat neuros*" or "combat syndrome" or "concentration camp syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or "hyper vigilan*" or posttrauma* or "post trauma*" or

- (psycho* near/1 (stress* or trauma*)) or ptsd or "railway spine" or (rape near/2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic near/1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*")):ab
- #35 mesh descriptor: [eating disorders] explode all trees
- #36 (anorexi* or bing* or bulimi* or (compulsive* near/2 (eat* or vomit*)) or (eating near/2 disorder*) or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) near/2 (purg* or vomit*)) or (restrict* near/2 eat*)):ti
- #37 (anorexi* or bing* or bulimi* or (compulsive* near/2 (eat* or vomit*)) or (eating near/2 disorder*) or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) near/2 (purg* or vomit*)) or (restrict* near/2 eat*)):ab
- #38 mesh descriptor: [depression] explode all trees
- #39 mesh descriptor: [mood disorders] explode all trees
- #40 ((affective or mood) near/1 (disorder* or disturbance* or dysfunction*)):ti
- #41 ((affective or mood) near/1 (disorder* or disturbance* or dysfunction*)):ab
- #42 (cyclothym* or depres* or dysthym* or (low near/2 mood) or melanchol* or "seasonal affective disorder*"):ti
- #43 (cyclothym* or depres* or dysthym* or (low near/2 mood) or melanchol* or "seasonal affective disorder*"):ab
- #44 (((bipolar or "bi polar") near/5 (disorder* or depress*)) or ((cyclothymi* or rapid or ultradian) near/5 cycl*) or hypomani* or mania* or manic* or "mixed episode*" or rcbd):ti
- #45 (((bipolar or "bi polar") near/5 (disorder* or depress*)) or ((cyclothymi* or rapid or ultradian) near/5 cycl*) or hypomani* or mania* or manic* or "mixed episode*" or rcbd):ab
- #46 mesh descriptor: [schizophrenia and disorders with psychotic features] explode all trees
- #47 (akathisi* or acathisi* or hebephreni* or (neuroleptic* and ((malignant and syndrome) or (movement near/2 disorder))) or oligophreni* or psychotic* or psychos* or schizo* or (tardiv* and dyskine*)):ti
- #48 (akathisi* or acathisi* or hebephreni* or (neuroleptic* and ((malignant and syndrome) or (movement near/2 disorder))) or oligophreni* or psychotic* or psychos* or schizo* or (tardiv* and dyskine*)):ab
- #49 parkinsoni* or "neuroleptic induc*" or psychiatric*:ti
- #50 parkinsoni* or "neuroleptic induc*" or psychiatric*:ab
- #51 mesh descriptor: [personality disorders] explode all trees
- #52 (((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) near/5 personalit*) or (anal* near/1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* near/5 disorder*)):ti
- #53 (((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) near/5 personalit*) or (anal* near/1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* near/5 disorder*)):ab

- #54 (anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral near/2 insanity)):ti
- #55 (anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral near/2 insanity)):ab
- #56 ("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) near/5 cluster*)):ti
- #57 ("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) near/5 cluster*)):ab
- #58 mesh descriptor: [drug-seeking behavior] explode all trees
- #59 mesh descriptor: [substance-related disorders] explode all trees
- #60 alcohol* and (abstinence or detoxification or intoxicat* or rehabilit* or withdraw*):kw 992
- #61 alcoholi*:kw
- #62 (alcoholi* or drinker* or (drink* near/2 use*) or ((alcohol* or drink*) near/5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or "high risk" or intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or reliant or relaps* or withdraw*)) or (control* near/2 drink*) or sobriet*):ti
- #63 (alcoholi* or drinker* or (drink* near/2 use*) or ((alcohol* or drink*) near/5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or "high risk" or intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or reliant or relaps* or withdraw*)) or (control* near/2 drink*) or sobriet*):ab
- #64 cannabis or cocaine or hashish or heroin or marihuana or marijua* or nicotin* or smoke* or smoking or tobacco:kw
- #65 ((acetomorphine or amphetamine* or amphetamine* or analeptic* or cannabis or cocaine or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or diacetylmorphine or diamorphin* or diamorphine or diaphorin or drug or methadone* or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant* or stimulant* or substance or uppers) near/3 (abstain* or abstinen* or abus* or addict* or (excessive near/1 use*) or dependen* or (inject* near/2 drug*) or intoxicat* or misus* or "over dos*" or overdos* or (use* near/1 (disorder* or illicit)) or withdraw*)) or nicotin* or smoke* or smoking or tobacco or ((drug or substance) near/1 use*):ti
- #66 ((acetomorphine or amphetamine* or amphetamine* or analeptic* or cannabis or cocaine or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or diacetylmorphine or diamorphin* or diamorphine or diaphorin

or drug or methadone* or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant* or stimulant* or substance or uppers) near/3 (abstain* or abstinem* or abus* or addict* or (excessive near/1 use*) or dependen* or (inject* near/2 drug*) or intoxicat* or misus* or "over dos*" or overdos* or (use* near/1 (disorder* or illicit)) or withdraw*)) or nicotin* or smoke* or smoking or tobacco or ((drug or substance) near/1 use*):ab
 #67 mesh descriptor: [delirium] explode all trees
 #68 mesh descriptor: [korsakoff syndrome] explode all trees
 #69 ("amnesic syndrome*" or catatoni* or deliri* or "dissociative disorder*" or hallucinosis or korsakof* or (organic near/1 (mental or brain))):ti
 #70 ("amnesic syndrome*" or catatoni* or deliri* or "dissociative disorder*" or hallucinosis or korsakof* or (organic near/1 (mental or brain))):ab
 #71 ((hysteria or "somatoform disorder" or somatization):kw or (briquet or hysteri* or polysymptom* or "poly symptom*" or multisomat* or "multi somat*" or (multiple and (mups or "medically unexplained" or "unexplained symptoms" or "physical symptoms" or "symptom diagnos*")) or somatiz* or somatis*):ti or (briquet or hysteri* or polysymptom* or "poly symptom*" or multisomat* or "multi somat*" or (multiple and (mups or "medically unexplained" or "unexplained symptoms" or "physical symptoms" or "symptom diagnos*")) or somatiz* or somatis*):ab
 #72 #14 or #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 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69 or #70 or #71
 #73 #13 and #72

CINAHL - Ebsco Host

Top of form

S41	S37 and s40
S40	S38 or s39
S39	ti ((abus* or "acutely excited" or aggress* or agitat* or agonistic or anger or angry or assail* or assault* or attack* or bizarre or "bodily harm" or "challenging behav*" or combative or danger* or disrupt* or disturb* or (explosive n2 disorder) or harass* or hostil* or "impulse control disorder*" or intimidat* or rage* or threat* or untoward or "un toward" or violen*))) or ab ((abus* or "acutely excited" or aggress* or agitat* or agonistic or anger or angry or assail* or assault* or attack* or bizarre or "bodily harm" or "challenging behav*" or combative or danger* or disrupt* or disturb* or (explosive n2 disorder) or harass* or hostil* or "impulse control disorder*" or intimidat* or rage* or threat* or untoward or "un toward" or violen*)))
S38	(mh "acting out") or (mh "aggression+") or (mh "anger control assistance (iowa nic)") or (mh "anger") or (mh "impulse control disorders+") or (mh "sexual

	abuse+") or (mh "sexual harassment")
S37	s1 or s2 or s3 or s4 or s5 or s6 or s7 or s8 or s9 or s10 or s11 or s12 or s13 or s14 or s15 or s16 or s17 or s18 or s19 or s20 or s21 or s22 or s23 or s24 or s25 or s26 or s27 or s28 or s29 or s30 or s31 or s32 or s33 or s34 or s35 or s36
36	mw (hysteria or "somatoform disorder" or somatization) or ti ((briquet or hysteri* or polysymptom* or "poly symptom" or multisomat* or "multi somat*" or (multiple and (mups or medically unexplained or unexplained symptoms or physical symptoms or symptom diagnos*)) or somatiz* or somatis*)) or ab ((briquet or hysteri* or polysymptom* or "poly symptom" or multisomat* or "multi somat*" or (multiple and (mups or medically unexplained or unexplained symptoms or physical symptoms or symptom diagnos*)) or somatiz* or somatis*))
s35	ti (nicotin* or smoke* or smoking or tobacco) or ab (nicotin* or smoke* or smoking or tobacco)
s34	(mh "smoking+")
s33	ti ((cannabis or cocaine or hashish or heroin or marihuana or marijuana* or ((acetomorphine or amphetamine* or amphetamine* or analeptic* or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or diacetylmorphine or diamorphin* or diamorphine or diaphorin or drug or methadone* or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant* or stimulant* or substance or uppers) n3 (abstain* or abstinen* or abus* or addict* or (excessive n1 use*) or dependen* or (inject* n2 drug*) or intoxicat* or misus* or "over dos*" or overdos* or (use* n1 (disorder* or illicit)) or withdraw*)) or ((drug or substance) n1 use*))) or ab ((cannabis or cocaine or hashish or heroin or marihuana or marijuana* or ((acetomorphine or amphetamine* or amphetamine* or analeptic* or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or diacetylmorphine or diamorphin* or diamorphine or diaphorin or drug or methadone* or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant* or stimulant* or substance or uppers) n3 (abstain* or abstinen* or abus* or addict* or (excessive n1 use*) or dependen* or (inject* n2 drug*) or intoxicat* or misus* or "over dos*" or overdos* or (use* n1 (disorder* or illicit)) or withdraw*)) or ((drug or substance) n1 use*)))
s32	mw cannabis or cocaine or hashish or heroin or marihuana or marijuana*
s31	ti ((alcoholi* or drinker* or (drink* n2 use*) or ((alcohol* or drink*) n5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or "high risk" or intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or reliant or relaps* or withdraw*)) or (control* n2 drink*) or sobriet*)) or ab ((alcoholi* or drinker* or (drink* n2 use*) or ((alcohol* or drink*) n5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or

	crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy or "high risk" or intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or reliant or relaps* or withdraw*) or (control* n2 drink*) or sobriet*))
s30	mw (alcohol* and (abstinence or detoxification or intoxicat* or rehabilit* or withdraw*)) or mw alcoholi*
S29	(mh "drug abuse control (saba ccc)") or (mh "drug abuse (saba ccc)")
S28	(mh "drug abuse (saba ccc)") or (mh "drug abuse control (saba ccc)") or (mh "substance use rehabilitation programs") or (mh "alcohol rehabilitation programs+") or (mh "drug rehabilitation programs")
S27	(mh "alcohol-related disorders+") or (mh "substance dependence") or (mh "alcohol withdrawal syndrome+") or (mh "substance withdrawal syndrome") or (mh "neonatal abstinence syndrome") or (mh "substance abuse") or (mh "substance use disorders")
S26	ti (("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) n5 cluster*))) or ab (("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) n5 cluster*)))
s25	ti ((anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral n2 insanity))) or ab ((anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral n2 insanity)))
s24	ti ((((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) n5 personalit*) or (anal* n1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* n5 disorder*))) or ab ((((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) n5 personalit*) or (anal* n1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* n5 disorder*)))
s23	(mh "personality disorders+")
s22	ti (parkinsoni* or "neuroleptic induc*" or psychiatric*) or ab (parkinsoni* or "neuroleptic induc*" or psychiatric*)
s21	ti ((delusion* or hallucinat* or hebephreni* or oligophreni* or paranoi* or psychiatric* or psychotic* or psychosis or psychoses or schizo* or hallucinat* or hebephreni*)) or ab ((delusion* or hallucinat* or hebephreni* or oligophreni* or paranoi* or psychiatric* or psychotic* or psychosis or psychoses or schizo* or hallucinat* or hebephreni*))

s20	(mh "psychotic disorders+")
S19	ti ((((bipolar or "bi polar") n5 (disorder* or depress*)) or ((cyclothymi* or rapid or ultradian) n5 cycl*) or hypomani* or mania* or manic* or "mixed episode*" or rcbd) or ab ((((bipolar or "bi polar") n5 (disorder* or depress*)) or ((cyclothymi* or rapid or ultradian) n5 cycl*) or hypomani* or mania* or manic* or "mixed episode*" or rcbd))
S18	ti ((cyclothym* or depres* or dysthym* or (low n2 mood) or melanchol* or "seasonal affective disorder*")) or ab ((cyclothym* or depres* or dysthym* or (low n2 mood) or melanchol* or "seasonal affective disorder*"))
S17	ti (((affective or mood) n1 (disorder* or disturbance* or dysfunction*))) or ab (((affective or mood) n1 (disorder* or disturbance* or dysfunction*)))
S16	(mh "depression+") or (mh "affective disorders")
s15	ti ((anorexi* or bing* or bulimi* or (compulsive* n2 (eat* or vomit*)) or (eating n2 disorder*) or ednos or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) n2 (purg* or vomit*)) or (restrict* n2 eat*))) or ab ((anorexi* or bing* or bulimi* or (compulsive* n2 (eat* or vomit*)) or (eating n2 disorder*) or ednos or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) n2 (purg* or vomit*)) or (restrict* n2 eat*)))
s14	(mh "eating disorders management (iowa nic)")
s13	(mh "eating disorders+")
s12	ti (("acute stress" or asd or "combat neuros*" or "combat syndrome" or "concentration camp syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or hypervigilen* or posttrauma* or "post trauma*" or (psycho* n1 (stress* or trauma*)) or ptsd or "railway spine" or (rape n2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic n1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*")))) or ab (("acute stress" or asd or "combat neuros*" or "combat syndrome" or "concentration camp syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or hypervigilen* or posttrauma* or "post trauma*" or (psycho* n1 (stress* or trauma*)) or ptsd or "railway spine" or (rape n2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic n1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*"))))
s11	(mh "stress, psychological")
s10	ti (*phobi*) or ab (*phobi*)
S9	ti panic* or ab panic*
S8	ti (("body dysmorphi*" or "clean* response*" or compulsion* or dysmorphophobi* or "imagine* ugl*" or obsession or obsessional or obsessions or "obsessive compulsive" or "obsess* ruminat*" or ocd or osteochondr* or (recurr* n1 thought) or scrupulosity or ((arrang* or check* or clean* or count* or

	hoard* or order* or repeat* or symmetr* or wash*) n1 compulsi*))) or ab (("body dysmorphi*" or "clean* response*" or compulsion* or dysmorphophobi* or "imagine* ugl*" or obsession or obsessional or obsessions or "obsessive compulsive" or "obsess* ruminat*" or ocd or osteochondr* or (recurr* n1 thought) or scrupulosity or ((arrang* or check* or clean* or count* or hoard* or order* or repeat* or symmetr* or wash*) n1 compulsi*)))
S7	(mh "compulsive behavior")
S6	(mh "body dysmorphic disorder")
S5	ti ((anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* n2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*") n2 worry))) or ab ((anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* n2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*") n2 worry)))
s4	(mh "anxiety disorders+")
s3	(mh "anxiety+") or (mh "anxiety (saba ccc)") or (mh "anxiety (nanda)") or (mh "anxiety control (iowa noc)") or (mh "anxiety reduction (iowa nic)")
s2	ti (((mental* or psychologic*) n2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*))) or ab (((mental* or psychologic*) n2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)))
s1	(mh "mental disorders+") or (mh "mental disorders, chronic")

INTERVENTION SEARCH TERMS

Risk factor terms

1 ((factor\$ adj5 (associat\$ or related)) or ((environmental or biologic\$ or risk) adj2 (factor\$ or indicator\$ or influenc\$ or marker\$)) or ((antecedent\$ or associat\$ or characteristic\$ or correlat\$ or preced\$ or precipitant\$ or precipitate\$ or predict\$ or recidiv\$ or ((at or high\$) adj risk\$) or precipitate*) adj7 (aggress\$ or assault\$ or violen\$)) or (risk\$ and predict\$ and (aggress\$ or assault\$ or violen\$))).ti,ab. or ((risk\$ or predict\$) and (aggress\$ or assault\$ or violen\$)).hw.

Instrument and diagnostic accuracy terms

1 (aggression risk profile or brief psychiatric ratings scale or broset violence checklist or dangerousness scale or environment assessment questionnaire or extended staff observation aggression scale or global assessment scale or kennedy axis\$1 v\$1 or mini mental state examination or modified overt aggression scale or nurses observation scale for in-patient evaluation or patient characteristic form or (positive adj2 negative syndrome scale exited) or (quantification adj2 violence scale) or quantified neurological scale or routine assessment of patient progress or (social dysfunction adj2 aggression scale) or staff observation aggression scale revised or staff observation aggression scale or violence scale).ti,ab.

- 2 (instrument* or measur* or psychometr* or question* or rate* or rating or scale* or screen* or test or tests or tool*).ti,ab,hw.
- 3 or/1-2
- 4 incidence.sh. or (cohort\$ or predict\$ or prognos\$ or validat\$).ti,ab,hw.
- 5 predictive validity/ or "sensitivity and specificity"/
- 6 5 use emez
- 7 "predictive value of tests"/ or "sensitivity and specificity"/
- 8 7 use mesz, prem
- 9 (likelihood ratio\$ or ((pre test or pretest or post test or posttest) adj probability) or predictive value\$ or sensitivit\$ or specificit\$).ti,ab.
- 10 or/4,6,8-9
- 11 (3 and 10) or (3 and "RCT STUDY DESIGN FILTER TERMS")

Physical restraint/seclusion

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

- 1 involuntary commitment/ or persuasive communication/
- 2 1 use emez
- 3 exp behavior control/ or coercion/ or "commitment of mentally ill"/ or patient isolation/
- 4 3 use mesz, prem
- 5 coercion/ or involuntary treatment/ or patient seclusion/ or physical restraint/ or social isolation/
- 6 5 use psych
- 7 (act\$ out or actout or break\$ away or breakaway or coerci\$ or commit\$ or compuls\$ or confin\$ or constrain\$ or containment or detain\$ or immobili\$ or involunta\$ or isolat\$ or restrai\$ or seclu\$ or sequestrat\$ or social control or solitary or time out or timeout or ((contain\$ or lock\$ or padded or restrict\$ or secure) adj5 (bedroom\$ or center\$ or centre\$ or clinic\$ or department\$ or facilit\$ or hospital\$ or room\$ or unit\$ or ward\$)) or ((forc\$ or held\$ or hold\$ or pin\$) adj5 (down or back)) or ((belt\$ or camisole\$ or sheet\$ or strap\$1 or vest\$1) adj5 (moving or move\$ or restrict\$)) or (bed\$ adj2 (chair\$ or rail\$)) or bedchair\$ or bedrail\$ or fabric body holder\$ or (restrictive adj (intervention\$ or method\$ or technique\$)) or safeguard\$ or safe guard\$ or (safety adj2 (jacket\$ or vest\$)) or show of force or side rail\$ or siderail\$ or straightjacket\$ or straitjacket\$ or straight jacket\$ or strait jacket\$ or wheelchair belt\$).ti,ab.
- 8 ((device\$ or intervent\$) adj3 restrict\$ adj3 (moving or movement\$)).ti,ab.
- 9 or/2,4,6-8

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1 mesh descriptor: [behavior control] explode all trees
- #2 mesh descriptor: [coercion] explode all trees
- #3 mesh descriptor: [commitment of mentally ill] explode all trees
- #4 mesh descriptor: [patient isolation] explode all trees
- #5 ("act* out" or actout or "break* away" or breakaway or coerci* or commit* or compuls* or confin* or constrain* or containment or detain* or immobili* or

involunta* or isolat* or restrai* or seclu* or sequestrat* or (social near/1 control) or solitary or "time out" or timeout or ((contain* or lock* or padded or secure) near/5 (center* or centre* or clinic* or department* or facilit* or hospital* or room* or unit* or ward*)) or ((forc* or held* or hold* or pin*) near/5 (down or back)) or ((belt* or camisole* or sheet* or strap* or vest*) near/5 (moving or move*)) or (bed* near/2 (chair* or rail*)) or bedchair* or bedrail* or "fabric body holder*" or "four side rail*" or (restrictive near/1 (intervention* or method* or technique*)) or safeguard* or "safe guard*" or (safety near/2 (jacket* or vest*)) or "show of force" or "side rail*" or siderail* or straightjacket* or straitjacket* or "straight jacket*" or "strait jacket*" or "wheelchair belt*"):ti

#100 ("act* out" or actout or "break* away" or breakaway or coerci* or commit* or compuls* or confin* or constrain* or containment or detain* or immobili* or involunta* or isolat* or restrai* or seclu* or sequestrat* or (social near/1 control) or solitary or "time out" or timeout or ((contain* or lock* or padded or secure) near/5 (center* or centre* or clinic* or department* or facilit* or hospital* or room* or unit* or ward*)) or ((forc* or held* or hold* or pin*) near/5 (down or back)) or ((belt* or camisole* or sheet* or strap* or vest*) near/5 (moving or move*)) or (bed* near/2 (chair* or rail*)) or bedchair* or bedrail* or "fabric body holder*" or "four side rail*" or (restrictive near/1 (intervention* or method* or technique*)) or safeguard* or "safe guard*" or (safety near/2 (jacket* or vest*)) or "show of force" or "side rail*" or siderail* or straightjacket* or straitjacket* or "straight jacket*" or "strait jacket*" or "wheelchair belt*"):ab

#6 ((device* or intervent*) near/3 restrict* near/3 (moving or movement*)):ti

#7 ((device* or intervent*) near/3 restrict* near/3 (moving or movement*)):ab

#8 #1 or #2 or #3 or #4 or #5 or #6 or #7

CINAHL – Ebsco Host

S4 S1 or S2 or S3

S3 ti (((device* or intervent*) n3 restrict* n3 (moving or movement*))) or ab (((device* or intervent*) n3 restrict* n3 (moving or movement*)))

s2 ti (("act* out" or actout or "break* away" or breakaway or coerci* or commit* or compuls* or confin* or constrain* or containment or detain* or immobili* or involunta* or isolat* or restrai* or seclu* or sequestrat* or "social control" or solitary or "time out" or timeout or ((contain* or lock* or padded or restrict* or secure) n5 (bedroom* or center* or centre* or clinic* or department* or facilit* or hospital* or room* or unit* or ward*)) or ((forc* or held* or hold* or pin*) n5 (down or back)) or ((belt* or camisole* or sheet* or strap* or vest*) n5 (moving or move* or restrict*)) or (bed* n2 (chair* or rail*)) or bedchair* or bedrail* or "fabric body holder*" or (restrictive n1 (intervention* or method* or technique*)) or safeguard* or "safe guard*" or (safety n2 (jacket* or vest*)) or "show of force" or "side rail*" or siderail* or straightjacket* or strait jacket* or "straight jacket*" or "strait jacket*" or "wheelchair belt*")) or ab (("act* out" or actout or "break* away" or breakaway or coerci* or commit* or compuls* or confin* or constrain* or containment or detain* or immobili* or involunta* or isolat* or restrai* or seclu* or sequestrat* or "social control" or solitary or "time out" or timeout or ((contain* or lock* or padded or

restrict* or secure) n5 (bedroom* or center* or centre* or clinic* or department* or facilit* or hospital* or room* or unit* or ward*) or ((forc* or held* or hold* or pin*) n5 (down or back)) or ((belt* or camisole* or sheet* or strap* or vest*) n5 (moving or move* or restrict*)) or (bed* n2 (chair* or rail*)) or bedchair* or bedrail* or “fabric body holder*” or (restrictive n1 (intervention* or method* or technique*)) or safeguard* or “safe guard*” or (safety n2 (jacket* or vest*)) or “show of force” or “side rail*” or siderail* or straightjacket* or straitjacket* or “straight jacket*” or “strait jacket*” or “wheelchair belt*”))
s1 (mh “coercion”) or (mh “involuntary commitment”) or (mh “patient isolation”)

Environment

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 "air and air related phenomena"/ or air conditioning/ or air temperature/ or architecture/ or exp color/ or color vision/ or crowding/ or "construction work and architectural phenomena"/ or exp density/ or furniture/ or heating/ or hospital design/ or light quality/ or exp light related phenomena/ or milieu therapy/ or odor/ or physical parameters/ or population density/ or room temperature/ or rural population/ or smoking cessation/ or exp social environment/ or social structure/ or temperature related phenomena/ or therapeutic community/ or music\$.hw.

2 1 use emez

3 air conditioning/ or "architecture as topic"/ or architectural accessibility/ or body temperature/ or body temperature regulation/ or color/ or color perception/ or color vision/ or crowding/ or environment/ or environment, controlled/ or "facility design and construction"/ or exp health facility environment/ or heating/ or "hospital design and construction"/ or "interior design and furnishings"/ or interpersonal relations/ or light/ or lighting/ or exp milieu therapy/ or odors/ or quality assurance, health care/ or olfactory perception/ or personal space/ or population density/ or poverty areas/ or rural population/ or smell/ or social environment/ or social facilitation/ or socioenvironmental therapy/ or temperature/ or visual perception/ or ((nicotine or smoking or tobacco) and cessation).hw. or music\$.hw.

4 3 use mesz, prem

5 exp architecture/ or body temperature/ or exp brightness perception/ or built environment/ or color/ or environment/ or color perception/ or crowding/ or exp facility environment/ or "form or shape perception"/ or home environment/ or illumination/ or interpersonal communication/ or interpersonal influences/ or interpersonal interaction/ or milieu therapy/ or nicotine withdrawal/ or olfactory perception/ or personal space/ or physical comfort/ or poverty areas/ or exp quality of care/ or rural environments/ or rural areas/ or skin temperature/ or social density/ or social environments/ or social influences/ or social interaction/ or social structure/ or smoking cessation/ or sociotherapy/ or suburban environments/ or temperature effects/ or exp therapeutic environment/ or music\$.hw.

6 5 use psych
7 ((air adj2 (condition\$ or temperature)) or architect\$ or atmospher\$ or climate or comfort\$ or courtyard\$ or court yard\$ or crowded or crowding or dayroom or day room\$ or ((color\$ or colour\$ or design\$ or heating or odor\$ or odour\$ or smell\$ or temperature\$) adj5 (build\$ or centre\$ or center\$ or clinic\$ or decor\$ or department\$ or facilit\$ or gym\$1 or hospital\$ or residential\$ or room\$ or unit\$ or walls or wing\$1 or workplace\$ or worksite\$)) or decor or environment\$ or extra care area\$ or furniture or illumination or lighting or layout\$ or lay out\$ or milieu\$ or overcrowd\$ or personal space or (quality adj2 light\$) or sensory or social structure or socioenvironment\$ or surroundings or therapeutic communit\$ or visual perception\$ or ((inpatient\$ or patient\$) adj3 (densit\$ or higher\$ or numbers))) .ti,ab.
8 or/2,4,6-7

Cochrane Library: CDSR, DARE, HTA – Wiley

#1 mesh descriptor: [architecture as topic] explode all trees
#2 mesh descriptor: [health facility environment] explode all trees
#3 mesh descriptor: [professional-patient relations] explode all trees 1
#4 mesh descriptor: [milieu therapy] explode all trees
#5 mesh descriptor: [quality assurance, health care] explode all trees
#6 mesh descriptor: [poverty areas] explode all trees
#7 mesh descriptor: [population density] explode all trees
#8 mesh descriptor: [rural population] explode all trees
#9 mesh descriptor: [social environment] explode all trees
#10 mesh descriptor: [social facilitation] explode all trees
#11 mesh descriptor: [socioenvironmental therapy] explode all trees
#12 (nicotine or smoking or tobacco) and cessation:kw (word variations have been searched)
#13 (air conditioning or color or color perception or color vision or light or lighting or music* or odors or olfactory perception or personal space or population density or smell or social environment or temperature or visual perception):kw
#14 ((air near/2 (condition* or temperature)) or architect* or atmospher* or climate or color* or colour* or comfort* or courtyard* or “court yard*” or crowding or dayroom or “day room*” or density or ((color* or colour* or design* or heating or odor* or odour* or smell* or temperature) near/5 (build* or centre* or center* or clinic* or department* or facilit* or gym* or hospital* or residential* or room* or unit* or walls or wing* or workplace* or worksite*)) or décor* or environment* or “extra care area*” or furniture or illumination or heating or lighting or layout* or “lay out*” or milieu* or overcrowd* or “personal space” or (quality near/2 light) or ((inpatient* or nurs* or patient* or staff*) near/3 (higher* or number*)) or sensory or “social structure” or socioenvironment* or temperature or “therapeutic communit*” or “visual perception*”):ti
#15 ((air near/2 (condition* or temperature)) or architect* or atmospher* or climate or color* or colour* or comfort* or courtyard* or “court yard*” or crowding or dayroom or “day room*” or density or ((color* or colour* or design* or heating or odor* or odour* or smell* or temperature) near/5 (build* or centre* or center* or clinic* or department* or facilit* or gym* or hospital* or residential* or room* or unit*

or walls or wing* or workplace* or worksite*)) or décor* or environment* or “extra care area*” or furniture or illumination or heating or lighting or layout* or “lay out*” or milieu* or overcrowd* or “personal space” or (quality near/2 light) or ((inpatient* or nurs* or patient* or staff*) near/3 (higher* or number*)) or sensory or “social structure” or socioenvironment* or temperature or “therapeutic communit*” or “visual perception*”):ab

#16 #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

CINAHL – Ebsco Host

S3 S1 OR S2

S2 ti (((air n2 (condition* or temperature)) or architect* or atmospher* or climate or color* or colour* or comfort* or courtyard* or “court yard*” or crowding or dayroom or “day room* “ or density or (design* n5 (build* or centre* or centre* or clinic* or department* or facilit* or gym* or hospital* or residential* or room* or unit* or wing* or workplace* or worksite*)) or environment* or “extra care area*” or illumination or heating or lighting or layout* or “lay out*” or milieu* or odor* or odour* or overcrowd* or “personal space” or (quality n2 light*) or sensory or smell* or “social structure” or socioenvironment* or temperature or “therapeutic communit*” or “visual perception*”)) or ab (((air n2 (condition* or temperature)) or architect* or atmospher* or climate or color* or colour* or comfort* or courtyard* or “court yard*” or crowding or dayroom or “day room* “ or density or (design* n5 (build* or centre* or centre* or clinic* or department* or facilit* or gym* or hospital* or residential* or room* or unit* or wing* or workplace* or worksite*)) or environment* or “extra care area*” or illumination or heating or lighting or layout* or “lay out*” or milieu* or odor* or odour* or overcrowd* or “personal space” or (quality n2 light*) or sensory or smell* or “social structure” or socioenvironment* or temperature or “therapeutic communit*” or “visual perception*”))

S1 (mh “air conditioning”) or (mh "architecture+") or (mh “body temperature”) or (mh “body temperature regulation”) or (mh “color”) or (mh “color perception”) or (mh "confined spaces") or (mh "crowding") or (mh "environment") or (mh “environment, controlled”) or (mh "health facility environment") or (mh “heating”) or (mh "interpersonal relations") or (mh “light”) or (mh “lighting”) or (mh "milieu therapy (iowa nic)") or (mh “music”) or (mh “odors”) or (mh “personal boundaries”) or (mh "population density") or (mh "poverty areas") or (mh "quality assurance+") or (mh "rural population") or (mh “smell”) or (mh "social environment+") or (mh "socioenvironmental therapy") or (mh "socioenvironmental therapy") or (mh “temperature”) or (mh “visual perception”)

Devices used to alert staff/management strategies

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 exp camera/ or communication aid/ or occupational safety/ or protective equipment/ or exp telecommunication/ or mass communication/ or mobile phone/ or telephone/ or safety/ or wireless communication/

2 1 use emez

- 3 communications media/ or exp security measures/ or hospital communication systems/ or radio/ or occupational health/ or protective devices/ or safety management/ or telecommunications/ or exp telemetry/ or exp telephone/ or exp television/ or wireless technology/
- 4 3 use mesz, prem
- 5 exp cameras/ or exp closed circuit television/ or communications media/ or exp communication systems/ or exp crime prevention/ or exp electronic communication/ or occupational safety/ or safety/ or exp safety devices/ or telecommunications media/
- 6 5 use psych
- 7 (alarm\$ or button\$ or call bell\$ or camera\$ or cctv or cc tv or closed\$ or hand held\$ or lock\$ or metal detect\$ or phone\$ or protect\$ or radio\$1 or real time location\$ or wireless or ((audio\$ or mobile\$ or noise\$ or protect\$ or voice\$) adj2 (activat\$ or communicat\$ or device\$ or system\$)) or (communicat\$ adj3 (device\$ or source\$ or system\$ or 2 way)) or (emergenc\$ adj2 (code\$ or devic\$ or system\$)) or ((respon\$ or summon\$) adj2 (assist\$ or help\$)) or (safety adj3 (alert\$ or doctor\$ or employee\$ or health profession\$ or in\$1 service or medical school or nurs\$ or occupational or personnel or physician\$ or professional\$ or psychiatri\$ or psychologist\$ or staff or student\$ or worker\$)) or videocam\$ or video cam\$ or ((nurs\$ or staff\$) adj3 (densit\$ or higher\$ or level\$ or number\$)) or (metal adj2 detect\$) or (confiscat\$ adj2 (gun\$1 or knife\$ or weapon\$))).ti,ab.
- 8 or/2,4,6-7

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1 mesh descriptor: [communications media] explode all trees
- #2 mesh descriptor: [security measures] explode all trees
- #3 mesh descriptor: [hospital communication systems] explode all trees
- #4 mesh descriptor: [radio] explode all trees
- #5 mesh descriptor: [occupational health] explode all trees
- #6 mesh descriptor: [protective devices] explode all trees
- #7 mesh descriptor: [safety management] explode all trees
- #8 mesh descriptor: [telecommunications] explode all trees
- #9 mesh descriptor: [telemetry] explode all trees
- #10 mesh descriptor: [telephone] explode all trees
- #11 mesh descriptor: [television] explode all trees
- #12 mesh descriptor: [wireless technology] explode all trees
- #13 (alarm* or alert* or button* or "call bell*" or camera* or cctv or "cc tv" or closed* or "hand held*" or lock* or phone* or protect* or radio* or "real time location*" or wireless or ((audio* or mobile* or noise* or protect* or voice*) near/2 (activat* or communicat* or device* or system*)) or (communicat* near/3 (device* or source* or system* or "2 way")) or (emergenc* near/2 (code* or devic* or system*)) or ((respon* or summon*) near/2 (assist* or help*)) or (safety near/3 (doctor* or employee* or "health profession*" or "in* service" or "medical school" or nurs* or occupational or personnel or physician* or "physical intervention*" or professional* or psychiatri* or psychologist* or staff or student* or worker*)) or videocamera* or

video camera* or ((nurs* or staff*) near/3 (densit* or higher* or level* or number*)) or (metal near/2 detect*) or (confiscate* near/2 (gun* or knife* or weapon*)):ti
#14 (alarm* or alert* or button* or "call bell*" or camera* or cctv or "cc tv" or closed* or "hand held*" or lock* or phone* or protect* or radio* or "real time location*" or wireless or ((audio* or mobile* or noise* or protect* or voice*) near/2 (activat* or communicat* or device* or system*)) or (communicat* near/3 (device* or source* or system* or "2 way")) or (emergenc* near/2 (code* or devic* or system*)) or ((respon* or summon*) near/2 (assist* or help*)) or (safety near/3 (doctor* or employee* or "health profession*" or "in* service" or "medical school" or nurs* or occupational or personnel or physician* or "physical intervention*" or professional* or psychiatri* or psychologist* or staff or student* or worker*)) or videocamera* or video camera* or ((nurs* or staff*) near/3 (densit* or higher* or level* or number*)) or (metal near/2 detect*) or (confiscate* near/2 (gun* or knife* or weapon*)):ab
#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

CINAHL – Ebsco Host

S3 S1 or S2

S2 ti ((alarm* or alert* or button* or "call bell*" or camera* or cctv or "cc tv" or closed* or "hand held*" or lock* or "metal detect*" or phone* or protect* or radio* or "real time location*" or wireless or ((audio* or mobile* or noise* or protect* or voice*) n2 (activat* or communicat* or device* or system*)) or (communicat* n3 (device* or source* or system* or 2 way)) or (emergenc* n2 (code* or devic* or system*)) or ((respon* or summon*) n2 (assist* or help*)) or (safety n3 (doctor* or employee* or "health profession*" or "in* service" or "medical school" or nurs* or occupational or personnel or physician* or professional* or psychiatri* or psychologist* or staff or student* or worker*)) or videocam* or "video cam*") or ((nurs* or staff*) n3 (densit* or higher* or number*))) or ab ((alarm* or alert* or button* or "call bell*" or camera* or cctv or "cc tv" or closed* or "hand held*" or lock* or "metal detect*" or phone* or protect* or radio* or "real time location*" or wireless or ((audio* or mobile* or noise* or protect* or voice*) n2 (activat* or communicat* or device* or system*)) or (communicat* n3 (device* or source* or system* or 2 way)) or (emergenc* n2 (code* or devic* or system*)) or ((respon* or summon*) n2 (assist* or help*)) or (safety n3 (doctor* or employee* or "health profession*" or "in* service" or "medical school" or nurs* or occupational or personnel or physician* or professional* or psychiatri* or psychologist* or staff or student* or worker*)) or videocam* or "video cam*") or ((nurs* or staff*) n3 (densit* or higher* or number*)))

S1 (mh "communications media") or (mh "environmental management: safety (iowa nic)") or (mh "equipment safety") or (mh "hospital information systems") or (mh "interactive voice response systems") or (mh "occupational health") or (mh "protective devices+") or (mh "radio") or (mh "security measures+") or (mh "telecommunications") or (mh "telemetry") or (mh "telephone") or (mh "television") or (mh "wireless communications")

De-escalation

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

- 1 conflict management/
- 2 1 use emez
- 3 negotiating/
- 4 2 use mesz, prem
- 5 conflict resolution/ or de-escalation\$.id. or negotiation/ or time out/
- 6 3 use psych
- 7 (affective involvement or autonomy or authentic engag\$ or (authoritative adj2 (method\$ or intervention\$ or technique\$)) or calming or deescalat\$ or de escalat\$ or defus\$ or de fus\$ or destimulat\$ or de stimulat\$ or diffus\$ or (engag\$ adj2 (inpatient\$ or patient\$)) or ((inpatient or patient) adj contract) or limit setting or nonaversiv\$ or non aversiv\$ or nonconfrontat\$ or non confront\$ or nurses role or psychosocial or psycho social or talkdown\$ or talk\$ down\$ or therapeutic communicat\$).ti,ab.
- 8 (((communicat\$ or interact\$ or interpersonal\$ or inter personal\$ or nonverbal or problem solv\$ or verbal\$ or talk\$) adj10 (interven\$ or limit\$ or manag\$ or minimis\$ or model\$ or prevent\$ or program\$ or reduc\$ or resolv\$ or skill\$ or strateg\$ or therap\$ or treat\$) adj10 (aggress\$ or conflict\$ or escalat\$ or violen\$)) or ((nonverbal or verbal) adj skill\$)).ti,ab.
- 9 ((communicat\$ or interact\$ or interpersonal\$ or inter personal\$ or nonverbal or problem solv\$ or verbal or talk) adj5 (aggress\$ or conflict\$ or escalat\$ or violen\$)).ti,ab.
- 10 ((empathy\$ or reciprocity or respect) adj5 (aggress\$ or conflict\$ or escalat\$ or violen\$)).ti,ab.
- 11 ((interven\$ or limit\$ or manag\$ or minimis\$ or model\$ or prevent\$ or program\$ or reduc\$ or respons\$ or resolv\$ or strateg\$ or therap\$ or treat\$) adj3 escalat\$).ti,ab.
- 12 or/2,4,6-11

CINAHL – Ebsco Host

- S6 S1 OR s2 OR s3 OR s4 OR s5
- S5 ti (((interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or respons* or resolv* or strateg* or therap* or treat*) n3 escalat*) or ab (((interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or respons* or resolv* or strateg* or therap* or treat*) n3 escalat*))
- S4 ti (((empathy* or reciprocity or respect) n5 (aggress* or conflict* or escalat* or violen*))) or ab (((empathy* or reciprocity or respect) n5 (aggress* or conflict* or escalat* or violen*)))
- S3 ti (((communicat* or interact* or interpersonal* or “inter personal*” or nonverbal or problem solv* or verbal or talk) n5 (aggress* or conflict* or escalat* or violen*))) or ab (((communicat* or interact* or interpersonal* or “inter personal*” or nonverbal or problem solv* or verbal or talk) n5 (aggress* or conflict* or escalat* or violen*)))

S2 ti ((((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal* or talk*) n10 (interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or resolv* or skill* or strateg* or therap* or treat*) n10 (aggress* or conflict* or escalat* or violen*)) or ((nonverbal or verbal) n1 skill*))) or ab ((((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal* or talk*) n10 (interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or resolv* or skill* or strateg* or therap* or treat*) n10 (aggress* or conflict* or escalat* or violen*)) or ((nonverbal or verbal) n1 skill*)))

S1 ti (("affective involvement" or autonomy or "authentic engag*" or (authoritative n2 (method* or intervention* or technique*)) or calming or deescalat* or "de escalat*" or defus* or "de fus*" or destimulat* or (engag* n2 (inpatient* or patient*)) or "de stimulat*" or diffus* or ((inpatient or patient) n1 contract) or "limit setting" or nonaversiv* or "non aversiv*" or nonconfrontat* or "non confront*" or "nurses role" or psychosocial or "psycho social" or talkdown* or "talk* down*" or "therapeutic communicat*")) or ab (("affective involvement" or autonomy or "authentic engag*" or (authoritative n2 (method* or intervention* or technique*)) or calming or deescalat* or "de escalat*" or defus* or "de fus*" or destimulat* or (engag* n2 (inpatient* or patient*)) or "de stimulat*" or diffus* or ((inpatient or patient) n1 contract) or "limit setting" or nonaversiv* or "non aversiv*" or nonconfrontat* or "non confront*" or "nurses role" or psychosocial or "psycho social" or talkdown* or "talk* down*" or "therapeutic communicat*"))

Cochrane Library: CDSR, DARE, HTA – Wiley

#1 mesh descriptor: [negotiating] explode all trees

#2 ("affective involvement" or "autonomy or authentic engag*" or (authoritative near/2 (method* or intervention* or technique*)) calming or deescalat* or "de escalat*" or defus* or "de fus*" or destimulat* or "de stimulat*" or diffus* or (engag* near/2 (inpatient* or patient*)) or ((inpatient or patient) near/1 contract) or "limit setting" or nonaversiv* or "non aversiv*" or nonconfrontat* or "non confront*" or "nurses role" or psychosocial or "psycho social" or talkdown* or "talk* down*" or "therapeutic communicat*"):ti

#3 ("affective involvement" or "autonomy or authentic engag*" or (authoritative near/2 (method* or intervention* or technique*)) calming or deescalat* or "de escalat*" or defus* or "de fus*" or destimulat* or "de stimulat*" or diffus* or (engag* near/2 (inpatient* or patient*)) or ((inpatient or patient) near/1 contract) or "limit setting" or nonaversiv* or "non aversiv*" or nonconfrontat* or "non confront*" or "nurses role" or psychosocial or "psycho social" or talkdown* or "talk* down*" or "therapeutic communicat*"):ab

#4 (((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal* or talk*) near/10 (interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or resolv* or skill* or strateg* or therap* or treat*) near/10 (aggress* or conflict* or escalat* or violen*)) or ((nonverbal or verbal) near/ skill*)):ti

#5 (((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal* or talk*) near/10 (interven* or limit* or manag* or

minimis* or model* or prevent* or program* or reduc* or resolv* or skill* or strateg* or therap* or treat*) near/10 (aggress* or conflict* or escalat* or violen*) or ((nonverbal or verbal) near/ skill*)):ab

#6 ((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal or talk) near/5 (aggress* or conflict* or escalat* or violen*)):ti

#7 ((communicat* or interact* or interpersonal* or "inter personal*" or nonverbal or "problem solv*" or verbal or talk) near/5 (aggress* or conflict* or escalat* or violen*)):ab

#8 ((empathy* or reciprocity or respect) near/5 (aggress* or conflict* or escalat* or violen*)):ti

#9 ((empathy* or reciprocity or respect) near/5 (aggress* or conflict* or escalat* or violen*)):ab

#10 ((interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or respons* or resolv* or strateg* or therap* or treat*) near/3 escalat*)):ti

#11 ((interven* or limit* or manag* or minimis* or model* or prevent* or program* or reduc* or respons* or resolv* or strateg* or therap* or treat*) near/3 escalat*)):ab

#12 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11

Patient transfer

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID Sp

1. (client transfer\$ or patient transfer or patient transport).sh,id. or ((((((handover or hand over or move or moving or relocat\$ or transport\$ or transfer\$ or transition) adj5 (adult\$ or care or cent\$ or client\$ or home care or hospital\$ or inpatient\$ or outpatient\$ or patient\$ or person\$ or people or population\$ or resident\$ or service\$ or unit\$ or user\$ or ward\$)) or ((adult\$ or care or cent\$ or client\$ or home care or hospital\$ or inpatient\$ or outpatient\$ or patient\$ or people or person\$ or population\$ or resident\$ or service\$ or unit\$ or user\$) adj5 (handover or hand over or move or moving or relocat\$ or transfer\$ or transport\$ or transition)) or ((adult\$ or client\$ or inpatient\$ or outpatient\$ or patient\$ or people\$ or person\$ or population\$ or resident\$ or user\$) adj5 refer\$ adj5 (care or cent\$ or home care or hospital\$ or service\$ or unit\$ or ward\$)) or ((intra?hospital or inter?hospital) adj transfer\$)) and (adult\$ or client\$ or inpatient\$ or outpatient\$ or patient\$ or people\$ or person\$ or population\$ or resident\$ or user\$))).ti,ab.

CINAHL – Ebsco Host

1. (mh "patient transfer board")

2. (((((handover or "hand over" or move or moving or relocat* or transport* or transfer* or transition) n5 (adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or service* or unit* or user* or ward*)) or ((adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or service* or unit* or user*) n5 (handover or "hand over" or move or moving or relocat* or transfer* or transport* or transition))) or

((adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*) n5 refer* n5 (care or cent* or home care or hospital* or service* or unit* or ward*)) or ((intrahospital or “intra hospital” or interhospital or “inter hospital”) n1 transfer\$)) and (adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*))

3. s1 or s2

Cochrane Library: CDSR, DARE, HTA – Wiley

1. mesh descriptor: [patient transfer] this term only

2. (((handover or "hand over" or move or moving or relocat* or transport* or transfer* or transition) near/5 (adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or service* or unit* or user* or ward*)) or ((adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or person* or people or population* or resident* or service* or unit* or user*) near/5 (handover or "hand over" or move or moving or relocat* or transfer* or transport* or transition)) or ((adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*) near/5 refer* near/5 (care or cent* or home care or hospital* or service* or unit* or ward*)) or ((intrahospital or “intra hospital” or interhospital or “inter hospital”) near/1 transfer\$)) and (adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*)):ti

3. (((handover or "hand over" or move or moving or relocat* or transport* or transfer* or transition) near/5 (adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or service* or unit* or user* or ward*)) or ((adult* or care or cent* or client* or "home care" or hospital* or inpatient* or outpatient* or patient* or person* or people or population* or resident* or service* or unit* or user*) near/5 (handover or "hand over" or move or moving or relocat* or transfer* or transport* or transition)) or ((adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*) near/5 refer* near/5 (care or cent* or home care or hospital* or service* or unit* or ward*)) or ((intrahospital or “intra hospital” or interhospital or “inter hospital”) near/1 transfer\$)) and (adult* or client* or inpatient* or outpatient* or patient* or people or person* or population* or resident* or user*)):ab

4. #1 or #2 or #3

Brief and fast acting interventions/p.r.n. (prorenata) medication

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 (((acute\$ or brief\$ or emergenc\$ or fast or fastacting or forc\$ or immediate\$ or quick\$ or rapid\$ or short term or shortterm or urgen\$) adj5 (anticonvulsant\$ or anti convulsant\$ or antiepileptic\$ or anti epileptic\$ or anti psychotic\$ or antipsychotic\$ or drug\$ or medicat\$ or neurolept\$ or pharmacologic\$ or sedat\$ or tranquil\$)) or ((chemical\$ or pharmacol\$) adj5 ((acute\$ adj3 agitat\$) or immobil\$ or restrain\$ or tranquil\$)) or (psychiatric adj3 emergenc\$)).ti,ab,hw,id. or (drug regimens or ((as1

adj (needed or indicated or necessary or required)) or prn or pro re nata or pro renata).ti,ab.

2 ((anticonvulsant\$ or anti convulsant\$ or antiepileptic\$ or anti epileptic\$ or antipsychotic\$ or anti psychotic\$ or benzodiazepine\$ or chlorpromazine\$ or clonazepam or clopenthix\$ or clotiapin\$ or diazepam or droperidol or drug\$ or flunitrazepam or haloperidol or lorazepam or medicat\$ or midazocam or neuroleptic\$ or olanzapin* or pharmacologic\$ or prochlorperazine or promazine or quetiapin\$ or sedat\$ or tranquil\$ or zuclopenthi\$) and (emergency or emergencie\$ or (acute\$ adj3 (agitat\$ or distress\$ or disturb\$ or psycho\$))).ti,ab,hw,id.

3 1 or 2

Cochrane Library: CDSR, DARE, HTA - Wiley

#1 (as* near/1 (needed or indicated or necessary or required)):ti

#2 (as* near/1 (needed or indicated or necessary or required)):ab

#3 "drug regimens" or prn or "pro re nata" or "pro renata":ti

#4 "drug regimens" or prn or "pro re nata" or "pro renata":ab

#5 ((anticonvulsant* or "anti convulsant*" or antiepileptic* or "anti epileptic*" or antipsychotic* or anti psychotic* or antipsychotic* or "anti psychotic*" or benzodiazepine* or chlorpromazine* or clonazepam or clopenthix* or clotiapin* or diazepam or droperidol or drug* or flunitrazepam or haloperidol or lorazepam or medicat* or midazocam or neuroleptic* or olanzapin* or pharmacologic* or prochlorperazine or promazine or quetiapin* or sedat* or tranquil* or zuclopenthi*) and (emergency or emergencie* or (acute* near/3 (agitat* or distress* or disturb* or psycho*)))):ti,ab,kw

#6 (((acute* or brief* or emerg enc* or fast or fastacting or forc* or immediate* or quick* or rapid* or "short term" or shortterm or urgen*) near/5 (anticonvulsant* or "anti convulsant*" or antiepileptic* or "anti epileptic*" or "anti psychotic*" or antipsychotic* or drug* or medicat* or neurolept* or pharmacologic* or sedat* or tranquil*)) or ((chemical* or pharmacol*) near/5 ((acute* near/3 agitat*) or immobil* or restrain* or tranquil*)) or (psychiatric near/3 emergenc*)):ti,ab,kw.

#7 #1 or #2 or #3 or #4 or #5 or #6

CINAHL - Wiley

S4 S1 or S2 or S3

S3 ((anticonvulsant* or "anti convulsant*" or antiepileptic* or anti epileptic* or antipsychotic* or "anti psychotic*" or benzodiazepine* or chlorpromazine* or clonazepam or clopenthix* or clotiapin* or diazepam or droperidol or drug* or flunitrazepam or haloperidol or lorazepam or medicat* or midazocam or neuroleptic* or olanzapin* or pharmacologic* or prochlorperazine or promazine or quetiapin* or sedat* or tranquil* or zuclopenthi*) and (emergency or emergencie* or (acute* n3 (agitat* or distress* or disturb* or psycho*))))

S2 ti (("drug regimens" or ((as* n1 (needed or indicated or necessary or required)) or prn or "pro re nata" or "pro renata"))) or ab (("drug regimens" or ((as* n1 (needed or indicated or necessary or required)) or prn or "pro re nata" or "pro renata"))))

S1 (((acute* or brief* or emergenc* or fast or fastacting or forc* or immediate* or quick* or rapid* or “short term” or shortterm or urgen*) n5 (anticonvulsant* or “anti convulsant*” or antiepileptic* or “anti epileptic*” or “anti psychotic*” or antipsychotic* or drug* or medicat* or neurolept* or pharmacologic* or sedat* or tranquil*) or ((chemical* or pharmacol*) n5 ((acute* n3 agitat*) or immobil* or restrain* or tranquil*)) or (psychiatric n3 emergenc*))

Advance directives

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 living will/ use emez or advance directives/ use mesz,prem,psyh or ((advance and (decision\$ or directive\$)) or attorney in\$1 fact or dnr or do not\$1 resuscitate or ((healthcare or health care) adj prox\$) or ((living or psychiatric) adj will\$1) or (power adj2 attorney\$) or (ulysses and (contract\$ or directive\$))).ti,ab. or (((advance and (crisis or crises)).ti,ab,hw. and (exp planning/ use emez or plan\$.ti,ab,hw.)) or (anticipatory.ti,ab. and psychiatric.ti,ab,hw. and (exp planning/ use emez or plan\$.ti,ab,hw.)) or ((exp joint/ use emez or joint.ti,ab,hw.) and (crises or crisis).ti,ab,hw. and (exp planning/ use emez or plan\$.ti,ab,hw.)))

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1 mesh descriptor: [advance directives] this term only
- #2 (((advance and (crisis or crises)) or (anticipatory and psychiatric) or (joint and (crises or crisis))) and plan):kw
- #3 ((advance and (decision* or directive*)) or "attorney in* fact" or dnr or "do not* resuscitate" or ((healthcare or “health care”) near/1 prox*) or ((living or psychiatric) near/1 will*) or (power near/2 attorney*) or (ulysses and (contract* or directive*)):ti
- #4 ((advance and (decision* or directive*)) or "attorney in* fact" or dnr or "do not* resuscitate" or ((healthcare or “health care”) near/1 prox*) or ((living or psychiatric) near/1 will*) or (power near/2 attorney*) or (ulysses and (contract* or directive*)):ab
- #5 #1 or #2 or #3 or #4

CINAHL – Ebsco Host

S3 S1 or S2
S2 mw ((((advance and (crisis or crises)) or (anticipatory and psychiatric) or (joint and (crises or crisis))) and plan)) or ti (((advance and (decision* or directive*)) or “attorney in* fact” or dnr or “do not* resuscitate” or ((healthcare or health care) n1 prox*) or ((living or psychiatric) n1 will*) or (power n2 attorney*) or (ulysses and (contract* or directive*)))) or ab (((advance and (decision* or directive*)) or “attorney in* fact” or dnr or “do not* resuscitate” or ((healthcare or health care) n1 prox*) or ((living or psychiatric) n1 will*) or (power n2 attorney*) or (ulysses and (contract* or directive*))))
s1 (mh "advance directives")

Interface between health and police

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID Sp

1 police/ use emez,mesz,prem,psych or (((civil or civic) adj guard\$) or constabular\$ or constable\$ or crime prevent\$ or detective\$ or (enforc\$ adj2 law\$) or peace officer\$ or police\$ or policing or (uniform adj (branch or division))).ti,ab

Cochrane Library: CDSR, DARE, HTA – Wiley

#1 mesh descriptor: [police] this term only
#2 (((civil or civic) near/1 guard*) or constabular* or constable* or "crime prevent*" or detective* or (enforc* near/2 law*) or "peace officer*" or police* or policing or (uniform near/1 (branch or division))):ti
#3 (((civil or civic) near/1 guard*) or constabular* or constable* or "crime prevent*" or detective* or (enforc* near/2 law*) or "peace officer*" or police* or policing or (uniform near/1 (branch or division))):ab
#4 #1 or #2 or #3

CINAHL – Ebsco Host

S3 S1 or S2
s2 ti ((((civil or civic) n1 guard*) or constabular* or constable* or "crime prevent*" or detective* or (enforc* n2 law*) or "peace officer*" or police* or policing or (uniform n1 (branch or division)))) or ab ((((civil or civic) n1 guard*) or constabular* or constable* or "crime prevent*" or detective* or (enforc* n2 law*) or "peace officer*" or police* or policing or (uniform n1 (branch or division))))
s1 (mh "police")

[Mental Health Act](#)

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID Sp

1 ((mental\$ or psychiatr\$) and (commitment\$ or forensic\$ or involuntary or law or laws or legal or legislat\$)).hw. or ((act\$ adj2 parliament) or ((mental\$ or psychiatr\$) adj3 (commitment\$ or forensic\$ or involuntar\$ or law or laws or legal\$ or legislat\$)) or (mental health adj2 act\$1)).ti,ab.

Cochrane Library: CDSR, DARE, HTA – Wiley

#1 ((mental* or psychiatr*) and (commitment* or forensic* or involuntary or law or laws or legal or legislat*)):kw
#2 ((act* near/2 parliament) or ((mental* or psychiatr*) near/3 (commitment* or forensic* or involuntar* or law or laws or legal* or legislat*)) or ("mental health" near/2 act*1)):ti
#3 ((act* near/2 parliament) or ((mental* or psychiatr*) near/3 (commitment* or forensic* or involuntar* or law or laws or legal* or legislat*)) or ("mental health" near/2 act*1)):ab
#4 #1 or #2 or #3

CINAHL – Ebsco Host

S1 mw (((mental* or psychiatr*) and (commitment* or forensic* or involuntary or law or laws or legal or legislat*))) or ti (((act* n2 parliament) or ((mental* or psychiatr*) n3 (commitment* or forensic* or involuntar* or law or laws or legal* or legislat*)) or (“mental health” n2 act*1))) or ab (((act* n2 parliament) or ((mental* or psychiatr*) n3 (commitment* or forensic* or involuntar* or law or laws or legal* or legislat*)) or (“mental health” n2 act*1)))

Post-incident management

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1. (crisis intervention\$ or debrief\$).hw,id. or (debrief* or de brief* or ((aftermath or postincident or post incident) adj2 (manag* or review))).ti,ab.

CINAHL – Ebsco Host

1. (mh "crisis intervention")
2. debrief* or "de brief*" or ((aftermath or postincident or "post incident") n2 (manag* or review))
3. s1 or s2

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1. mesh descriptor: [crisis intervention] this term only
- #2. debrief* or "de brief*" or ((aftermath or postincident or "post incident") near/2 (manag* or review)):ti,ab,kw
- #3. #1 or #2

Observation techniques

Embase, MEDLINE, PreMEDLINE, PsycINFO

- 1 clinical observation/ or clinical pathway/ or crisis intervention/ or emergency care/ or emergency health service/ or observation unit/
- 2 1 use emez
- 3 critical pathways/ or emergency services, psychiatric/ or observation/ or triage/
- 4 3 use mesz, prem
- 5 emergency management/ or emergency preparedness/ or emergency services/ or exp crisis intervention services/
- 6 5 use psych
- 7 (one to one or one on one or one to two or one on two or ((close\$ or constant\$ or continu\$ or frequent\$ or interval\$ or maximum or mental status or regular\$ or special\$ or 10 minute or 15 minute) adj5 (assess\$ or attention\$ or check\$ or examin\$ or monitor\$ or observ\$ or review\$ or surveill\$ or supervis\$)) or ((close or enhanced or physical or special\$) adj observation) or ((engagement or observation) adj (method\$ or technique\$)) or specialling or specialised).ti,ab.
- 8 ((assess\$ or evaluat\$ or observation or surveill\$ or protocol or supervis\$) adj5 (aggress\$ or violen\$)).ti,ab.

9 or/2,4,6-8

Cochrane Library: CDSR, DARE, HTA – Wiley

- #1 mesh descriptor: [critical pathways] explode all trees
- #2 mesh descriptor: [emergency services, psychiatric] explode all trees
- #3 mesh descriptor: [observation] explode all trees
- #4 mesh descriptor: [triage] explode all trees
- #5 ("one-to-one" or "one-on-one" or "one to two" or "one on two" or ((close* or constant* or continu* or enhanced or frequent* or interval* or maximum or "mental status" or physical or regular* or special* or "10 minute" or "15 minute") near/5 (assess* or attention* or check* or examin* or monitor* or observ* or review* or surveill* or supervis*)) or ((engagement or observation) near/1 (method* or technique*)) or ((close or enhanced or physical or special*) near/1 observation) or specialling or specialised):ti
- #6 ("one-to-one" or "one-on-one" or "one to two" or "one on two" or ((close* or constant* or continu* or enhanced or frequent* or interval* or maximum or "mental status" or physical or regular* or special* or "10 minute" or "15 minute") near/5 (assess* or attention* or check* or examin* or monitor* or observ* or review* or surveill* or supervis*)) or ((engagement or observation) near/1 (method* or technique*)) or ((close or enhanced or physical or special*) near/1 observation) or specialling or specialised):ab
- #7 ((assess* or evaluat* or observation or surveill* or protocol or supervis*) near/5 (aggress* or violen*)):ti
- #8 ((assess* or evaluat* or observation or surveill* or protocol or supervis*) near/5 (aggress* or violen*)):ab
- #9 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8

CINAHL – Ebsco Host

- S4 S1 or S2 or S3
- S3 ti (((assess* or evaluat* or observation or surveill* or protocol or supervis*) n5 (aggress* or violen*))) or ab (((assess* or evaluat* or observation or surveill* or protocol or supervis*) n5 (aggress* or violen*)))
- S2 ti (("one to one" or "one on one" or "one to two" or "one on two" or ((close* or constant* or continu* or frequent* or interval* or maximum or "mental status" or regular* or special* or 10 minute or 15 minute) n5 (assess* or attention* or check* or examin* or monitor* or observ* or review* or surveill* or supervis*)) or ((close or enhanced or physical or special*) n1 observation) or ((engagement or observation) n1 (method* or technique*)) or specialling or specialised)) or ab (("one to one" or "one on one" or "one to two" or "one on two" or ((close* or constant* or continu* or frequent* or interval* or maximum or "mental status" or regular* or special* or 10 minute or 15 minute) n5 (assess* or attention* or check* or examin* or monitor* or observ* or review* or surveill* or supervis*)) or ((close or enhanced or physical or special*) n1 observation) or ((engagement or observation) n1 (method* or technique*)) or specialling or specialised))
- S1 (mh "critical path") or (mh "emergency services, psychiatric") or (mh "observation units") or (mh "triage") or (mh "triage (iowa nic))

Training

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 ((course\$ or curriculum or educat\$ or formal program\$ or instruct\$ or learn\$ or lectur\$ or mentor\$ or taught\$ or teach\$ or train\$) and (doctor\$ or employee\$ or health profession\$ or in\$1 service or medical school or nurs\$ or occupational or personnel or physician\$ or professional\$ or psychiatri\$ or psychologist\$ or staff or student\$ or worker\$)).ti,ab,hw,id. or (ed.fs. and (doctor\$ or employee\$ or health profession\$ or in\$1 service or medical school or nurs\$ or occupational or personnel or physician\$ or professional\$ or psychiatri\$ or psychologist\$ or staff or student\$ or worker\$)).hw. or (breakaway or physical intervention\$ or (restrain\$ adj2 (interven\$ or manag\$ or method\$ or program\$ or technique\$ or therap\$)) or (self adj (defens\$ or protect\$))).ti,ab. or staff development.sh. or exp personnel training/ use psych

Cochrane Library: CDSR, DARE, HTA – Wiley

#1 staff development:kw

#2 ((course* or curriculum or educat* or “formal program*” or instruct* or learn* or lectur* or mentor* or taught* or teach* or train*) and (doctor* or employee* or “health profession*” or inservice or “in* service” or “medical school” or nurs* or occupational or personnel or physician* or professional* or psychiatri* or psychologist* or staff or student* or worker*)):ti,ab,kw

#3 (breakaway or (restrain* near/2 (interven* or manag* or method* or program* or technique* or therap*)) or (self near/1 (defens* or protect*)):ti

#4 (breakaway or (restrain* near/2 (interven* or manag* or method* or program* or technique* or therap*)) or (self near/1 (defens* or protect*)):ab

#5 #1 or #2 or #3 or #4

CINAHL – Ebsco Host

S4 S1 or S2 or S3

S3 ti ((breakaway or “physical intervention*” or (restrain* n2 (interven* or manag* or method* or program* or technique* or therap*)) or (self n1 (defens* or protect*)))) or ab ((breakaway or “physical intervention*” or (restrain* n2 (interven* or manag* or method* or program* or technique* or therap*)) or (self n1 (defens* or protect*))))

S2 ((course* or curriculum or educat* or “formal program*” or instruct* or learn* or lectur* or mentor* or taught* or teach* or train*) and (doctor* or employee* or “health profession*” or “in* service” or “medical school” or nurs* or occupational or personnel or physician* or professional* or psychiatri* or psychologist* or staff or student* or worker*))

S1 (mh "staff development+")

STUDY DESIGN FILTER TERMS

Quantitative systematic review study design filters

Embase, MEDLINE, MEDLINE In-Process, PsycINFO – OVID SP

- 1 meta analysis/ or systematic review/
- 2 1 use emez
- 3 meta analysis.sh,pt. or "meta-analysis as topic"/ or "review literature as topic"/
- 4 3 use mesz, prem
- 5 (literature review or meta analysis).sh,id,md. or systematic review.id,md.
- 6 5 use psych
(exp bibliographic database/ or (((electronic or computer\$ or online) adj database\$) or bids or cochrane or embase or index medicus or isi citation or
- 7 medline or psyclit or psychlit or scisearch or science citation or (web adj2 science)).ti,ab.) and (review\$.ti,ab,sh,pt. or systematic\$.ti,ab.)
- 8 7 use emez
(exp databases, bibliographic/ or (((electronic or computer\$ or online) adj database\$) or bids or cochrane or embase or index medicus or isi citation or
- 9 medline or psyclit or psychlit or scisearch or science citation or (web adj2 science)).ti,ab.) and (review\$.ti,ab,sh,pt. or systematic\$.ti,ab.)
- 10 9 use mesz, prem
(computer searching.sh,id. or (((electronic or computer\$ or online) adj database\$) or bids or cochrane or embase or index medicus or isi citation or medline or
- 11 psyclit or psychlit or scisearch or science citation or (web adj2 science)).ti,ab.) and (review\$.ti,ab,pt. or systematic\$.ti,ab.)
- 12 11 use psych
((analy\$ or assessment\$ or evidence\$ or methodol\$ or quantitativ\$ or systematic\$) adj2 (overview\$ or review\$)).tw. or ((analy\$ or assessment\$ or evidence\$ or methodol\$ or quantitativ\$ or systematic\$).ti. and review\$.ti,pt.) or (systematic\$ adj2 search\$).ti,ab.
- 13
- 14 (metaanal\$ or meta anal\$).ti,ab.
- 15 (research adj (review\$ or integration)).ti,ab.
- 16 reference list\$.ab.
- 17 bibliograph\$.ab.
- 18 published studies.ab.
- 19 relevant journals.ab.
- 20 selection criteria.ab.
- 21 (data adj (extraction or synthesis)).ab.
- 22 (handsearch\$ or ((hand or manual) adj search\$)).ti,ab.
- 23 (mantel haenszel or peto or dersimonian or der simonian).ti,ab.
- 24 (fixed effect\$ or random effect\$).ti,ab.

25 ((pool\$ or combined or combining) adj2 (data or trials or studies or results)).ti,ab.
26 or/2,4,6,8,10,12-25

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s33	s1 or s2 or s3 or s4 or s5 or s6 or s7 or s8 or s9 or s10 or s11 or s12 or s13 or s14 or s15 or s16 or s22 or s23 or s26 or s27 or s28 or s29 or s30 or s31 or s32
s32	ti (analy* n5 review* or assessment* n5 review* or evidence* n5 review* or methodol* n5 review* or quantativ* n5 review* or systematic* n5 review*) or ab (analy* n5 review* or assessment* n5 review* or evidence* n5 review* or methodol* n5 review* or quantativ* n5 review* or systematic* n5 review*)
s31	ti (analy* n5 overview* or assessment* n5 overview* or evidence* n5 overview* or methodol* n5 overview* or quantativ* n5 overview* or systematic* n5 overview*) or ab (analy* n5 overview* or assessment* n5 overview* or evidence* n5 overview* or methodol* n5 overview* or quantativ* n5 overview* or systematic* n5 overview*)
s30	ti (pool* n2 results or combined n2 results or combining n2 results) or ab (pool* n2 results or combined n2 results or combining n2 results)
s29	ti (pool* n2 studies or combined n2 studies or combining n2 studies) or ab (pool* n2 studies or combined n2 studies or combining n2 studies)
s28	ti (pool* n2 trials or combined n2 trials or combining n2 trials) or ab (pool* n2 trials or combined n2 trials or combining n2 trials)
s27	ti (pool* n2 data or combined n2 data or combining n2 data) or ab (pool* n2 data or combined n2 data or combining n2 data)
s26	s24 and s25
s25	ti review* or pt review*
s24	ti analy* or assessment* or evidence* or methodol* or quantativ* or systematic*
s23	ti "systematic* n5 search*" or ab "systematic* n5 search*"
s22	(s17 or s18 or s19) and (s20 or s21)
s21	ti systematic* or ab systematic*
s20	tx review* or mw review* or pt review*
s19	(mh "cochrane library")
s18	ti (bids or cochrane or index medicus or "isi citation" or psyclit or psychlit or scisearch or "science citation" or web n2 science) or ab (bids or cochrane or index medicus or "isi citation" or psyclit or psychlit or scisearch or "science citation" or web n2 science)
s17	ti ("electronic database*" or "bibliographic database*" or "computeri?ed database*" or "online database*") or ab ("electronic database*" or "bibliographic database*" or "computeri?ed database*" or "online database*")

s16	(mh "literature review")
s15	pt systematic* or pt meta*
s14	ti ("fixed effect*" or "random effect*") or ab ("fixed effect*" or "random effect*")
s13	ti ("mantel haenszel" or peto or dersimonian or "der simonian") or ab ("mantel haenszel" or peto or dersimonian or "der simonian")
s12	ti (handsearch* or "hand search*" or "manual search*") or ab (handsearch* or "hand search*" or "manual search*")
s11	ab "data extraction" or "data synthesis"
s10	ab "selection criteria"
s9	ab "relevant journals"
s8	ab "published studies"
s7	ab bibliograph*
s6	ab "reference list*"
s5	ti ("research review*" or "research integration") or ab ("research review*" or "research integration")
s4	ti (metaanal* or "meta anal*") or ab (metaanal* or "meta anal*")
s3	(mh "meta analysis")
s2	(mh "systematic review")
s1	(mh "literature searching+")

Qualitative systematic review study design filters

Embase, MEDLINE, MEDLINE In-Process, PsycINFO – OVID SP

(cross case analys\$ or eppi approach or metaethno\$ or meta ethno\$ or metanarrative\$ or meta narrative\$ or meta overview or metaoverview or metastud\$ or meta stud\$ or metasummar\$ or meta summar\$ or qualitative overview\$ or ((critical interpretative or evidence or meta or mixed methods or multilevel or multi level or narrative or parallel or realist) adj synthes\$) or metasyntes\$).mp. or (qualitative\$ and (metaanal\$ or meta anal\$ or synthes\$ or systematic review\$)).ti,ab,hw,pt.

CINAHL- Ebsco Host

tx ("cross case analys*" or "eppi approach" or metaethno* or "meta ethno*" or metanarrative* or "meta narrative*" or "meta overview" or metaoverview or metastud* or "meta stud*" or metasummar* or "meta summar*" or "qualitative overview*" or ((critical interpretative" or evidence or meta or "mixed methods" or multilevel or "multi level" or narrative or parallel or realist) n1 synthes*) or

metasynthes*) or (qualitative* and (metaanal* or “meta anal*” or synthes* or systematic review*)))

Randomised controlled trials study design filters

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

- exp "clinical trial (topic)"/ or exp clinical trial/ or crossover procedure/ or double blind procedure/ or placebo/ or randomization/ or random sample/ or single blind procedure/
- 1 blind procedure/ or placebo/ or randomization/ or random sample/ or single blind procedure/
- 2 1 use emez
- exp clinical trial/ or exp “clinical trials as topic”/ or cross-over studies/ or
- 3 double-blind method/ or placebos/ or random allocation/ or single-blind method/
- 4 3 use mesz, prem
- 5 (clinical trials or placebo or random sampling).sh,id.
- 6 5 use psyh
- 7 (clinical adj2 trial\$.ti,ab.
- 8 (crossover or cross over).ti,ab.
- 9 (((single\$ or doubl\$ or trebl\$ or tripl\$) adj2 blind\$) or mask\$ or dummy or doubleblind\$ or singleblind\$ or trebleblind\$ or tripleblind\$.ti,ab.
- 10 (placebo\$ or random\$.ti,ab.
- 11 treatment outcome\$.md. use psyh
- 12 animals/ not human\$.mp. use emez
- 13 animal\$/ not human\$/ use mesz, prem
- 14 (animal not human).po. use psyh
- 15 (or/2,4,6-11) not (or/12-14)

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s10	s9 not s8
s9	s1 or s2 or s3 or s4 or s5 or s6 or s7
s8	(mh "animals") not (mh "human")
s7	(pt "clinical trial") or (pt "randomized controlled trial")
s6	ti (placebo* or random*) or ab (placebo* or random*)
s5	ti (“single blind*” or “double blind*” or “treble blind*” or mask* or dummy* or singleblind* or doubleblind* or trebleblind*) or ab (“single blind*” or “double blind*” or “treble blind*” or mask* or dummy* or singleblind* or doubleblind* or trebleblind*)
s4	ti (crossover or “cross over “) or ab (crossover or “cross over”)
s3	ti clinical n2 trial* or ab clinical n2 trial*
s2	(mh "crossover design") or (mh "placebos") or (mh "random assignment") or (mh

	"random sample")
s1	(mh "clinical trials+")

Observational study design filter

Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

- exp case control study/ or cohort analysis/ or cross-sectional study/ or follow up/ or longitudinal study/ or observational study/ or prospective study/ or retrospective study/
- 1
- 2 1 use emez
- 3 exp case control studies/ or exp cohort studies/ or cross-sectional studies/ or epidemiologic studies/
- 4 3 use mesz
- (cohort analysis or followup studies or longitudinal studies or prospective studies or retrospective studies).sh,id. or (followup study or longitudinal study or prospective study or retrospective study).md.
- 5
- 6 5 use psych
- 7 ((epidemiologic\$ or observational) adj (study or studies)).ti,ab.
- 8 (cohort\$1 or cross section\$ or crosssection\$ or followup\$ or follow up\$ or followed or longitudinal\$ or prospective\$ or retrospective\$).ti,ab.
- 9 (case adj2 (control or series)).ti,ab.
- 10 or/2,4,6-9