# APPENDIX 16: HEALTH ECONOMIC EVIDENCE – SEARCH STRATEGIES

*Abbreviations*

| | |
|---|---|
| CCTV | closed-circuit television |
| CDSR | Cochrane Database of Systematic Reviews |
| 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 EED | National Health Service Economic Evaluation Database |
| NICE | National Institute for Health and Care Excellence |
| p.r.n. | pro re nata (take as required) |
| PreMEDLINE | in-process and other non-indexed citations from MEDLINE |
| PsycINFO | an abstract (not full text) database of psychological literature from the 1800s to the present |
| RQ | revew question |

# 1.1 SEARCH STRATEGIES FOR THE IDENTIFICATION OF HEALTH ECONOMIC STUDIES

## 1.1.1 Scoping search

A broad preliminary search of the literature was undertaken in Febuary 2013 to obtain an overview of the issues likely to be covered by the scope, and to help define key areas. Searches were limited to full and partial economic evaluations, and quality of life studies.

- [NHS Economic Evaluation Database](#) (NHS EED; Cochrane Library)
- [Excerpta Medica Database](#) (Embase)
- [Health Technology Assessment (HTA) database](#) (technology assessments)
- [Medical Literature Analysis and Retrieval System Online](#) (MEDLINE)/MEDLINE In-Process)

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

## 1.1.2   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 | 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 1.2 | 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 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? | No search – informed by evidence identified by related clinical guideline sections | | |

| Carers of mental health service users | | | | |
|---|---|---|---|---|
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| 1.6 | 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? | No search – informed by searches conducted for other clinical guideline sections | | |
| 1.7 | 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 1.8 | What are the carers of mental health 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| Staff | | | | |
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| 1.9 | 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? | No search – informed by evidence identified by related clinical guideline sections | | |
| 1.10 | 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 | No search – informed by evidence identified by related clinical guideline sections | | |
| 1.11 | What are the staff perspectives of the considerations needed for the short-term management of violent and aggressive behaviour in | No search – informed by evidence identified by related clinical guideline sections | | |

| | health and community care settings where the service user has physical disabilities? | | | |
|---|---|---|---|---|
| **Risk factors and prediction** | | | | |
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| Pre-event | | | | |
| 2.1<br><br><br><br>2.1.1 | 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?<br><br>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?<br><br>Search construction<br>General medical databases: [population search terms AND risk factor terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND risk factor terms] | Full and partial economic evaluations, quality of life studies | General medical databases:<br>Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases:<br>NHS EED, HTA | 2003 to 04/08/2014 |
| 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?<br><br>Search construction<br>General medical databases: [population search terms AND risk factor terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND risk factor terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases:<br>Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases:<br>NHS EED, HTA | 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? | Full and partial economic evaluations, quality-of-life studies | General medical databases: 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?<br><br>Search construction<br>General medical databases: [population search terms AND instrument terms AND diagnostic accuracy terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND instrument terms AND diagnostic accuracy terms] | | Topic-specific databases: NHS EED, HTA | |
| 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 RQ2.1-2.3, and sought GDG expert opinion | | |

| **Prevention interventions** | | | |
|---|---|---|---|
| **Review question and search construction** | **Study design limit** | **Databases searched** | **Dates searched** |
| Pre-event | | | |
| 2.5 | 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 with an alternative approach?<br><br>Search construction<br>General medical databases: [population search terms AND observation technique terms AND health economic/quality-of-life study design terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |

| | | | | |
|---|---|---|---|---|
| | Topic-specific databases: [population search terms AND observation technique terms] | | | |
| 2.6 | 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 with an alternative approach?<br><br>Search construction<br>General medical databases: [population search terms AND environment terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND environment terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| 2.7 | 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 with an alternative approach?<br><br>Search construction<br>General medical databases: [population search terms AND management strategy terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND management strategy terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| 2.8 | Do training programmes for the use of interventions 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 with an alternative management strategy? | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |

|  |  | Search construction<br>General medical databases: [population search terms AND training terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND training terms] |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 3.5 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND de-escalation terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND de-escalation terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| Immediately-pre-event |  |  |  |  |  |
|  | 3.2 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND observation technique terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND observation technique terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
|  | 3.3 | Do personal and institutional alarms, CCTV and communication devices used to alert staff to imminent violent and aggressive behaviour by mental health service users in health and community | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO | 2003 to 04/08/2014 |

| | | | | |
|---|---|---|---|---|
| | care settings produce benefits that outweigh possible harms when compared with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND devices used to alert staff terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND devices used to alert staff terms] | | Topic-specific databases:<br>NHS EED, HTA | |
| 3.4 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND devices in reducing violent/aggressive behaviour terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND devices in reducing violent/aggressive behaviour terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases:<br>Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases:<br>NHS EED, HTA | 2003 to 04/08/2014 |
| 3.6 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND p.r.n. terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND p.r.n. terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases:<br>Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases:<br>NHS EED, HTA | 2003 to 04/08/2014 |

| During event | | | | |
|---|---|---|---|---|
| 4.2 | Does the use of personal and institutional alarms, CCTV and communication devices 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND devices for the short term management of violent/aggressive behaviour terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND devices for the short term management of violent/aggressive behaviour terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| 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?<br><br>Search construction: [population search terms AND staff training terms AND systematic review/randomised controlled trial/cohort study design terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND seclusion terms AND health economic/quality-of-life study design terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |

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|---|---|---|---|---|
| | Topic-specific databases: [population search terms AND seclusion terms] | | | |
| 4.5 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND physical restraint terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND physical restraint terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |
| 4.6 | 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:<br>undergoing withdrawal<br>• intoxicated<br>• a heavy drinker<br>• seriously medically ill<br>• has physical disabilities or injuries or is physically frail<br>• pregnant<br>• obese.<br><br>Search construction<br>General medical databases: [population search terms AND physical restraint terms AND health economic/quality-of-life study design terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |

| | Topic-specific databases: [population search terms AND physical restraint terms] | | | |
|---|---|---|---|---|
| **Non-pharmacological management strategies** | | | | |
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| During event | | | | |
| 4.1 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND environment terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND environment terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| 4.4 | 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND de-escalation terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND de-escalation terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |

| 4.9 | What factors should influence the decision to transfer a mental health service user with violent and aggressive behaviour to a more secure environment?<br><br>Search construction<br>General medical databases: [population search terms AND patient transfer terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND patient transfer terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |
| --- | --- | --- | --- | --- |
| 4.10 | What is the best management strategy for the transfer of mental health service users to or between places of safety?<br><br>Search construction<br>General medical databases: [population search terms AND patient transfer terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND patient transfer terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 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 with an alternative management strategy?<br><br>Search construction<br>General medical databases: [population search terms AND brief/fast | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |

| | | | | |
|---|---|---|---|---|
| | acting pharmacological terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND brief/fast acting pharmacological terms] | | | |
| 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<br>• intoxicated<br>• a heavy drinker<br>• seriously medically ill<br>• has physical disabilities or injuries or is physically frail<br>• pregnant<br>• obese.<br><br>Search construction<br>General medical databases: [population search terms AND brief/fast acting pharmacological terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND brief/fast acting pharmacological terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 2003 to 04/08/2014 |
| **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? | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO | 1998 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?<br><br>Search construction<br>General medical databases: [population search terms AND Mental Health Act terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND Mental Health Act terms] | | Topic-specific databases: NHS EED, HTA | |
| **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?<br><br>Search construction<br>General medical databases: [population search terms AND advance directive terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND advance directive terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 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?<br><br>Search construction<br>General medical databases: [population search terms AND advance directive terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND advance directive terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |

| **Interface between health and police** | | | | |
|---|---|---|---|---|
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| During event | | | | |
| 4.11 | 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?<br><br>Search construction<br>General medical databases: [population search terms AND police terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND police terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |
| 4.12 | 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? | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO | 1998 to 04/08/2014 |

| | | Study design limit | Databases searched | Dates searched |
|---|---|---|---|---|
| | Search construction<br>General medical databases: [population search terms AND police terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND police terms] | | Topic-specific databases: NHS EED, HTA | |
| **Post-incident management** | | | | |
| **Review question and search construction** | | **Study design limit** | **Databases searched** | **Dates searched** |
| Post-event | | | | |
| 5.1 | 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?<br><br>Search construction<br>General medical databases: [population search terms AND post-incident management terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND post-incident management terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |
| 5.2 | 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?<br><br>Search construction<br>General medical databases: [population search terms AND post-incident management terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND post-incident management terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |

| | | | | |
|---|---|---|---|---|
| 5.3 | 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?<br><br>Search construction<br>General medical databases: [population search terms AND post-incident management terms AND health economic/quality-of-life study design terms]<br><br>Topic-specific databases: [population search terms AND post-incident management terms] | Full and partial economic evaluations, quality-of-life studies | General medical databases: Embase, MEDLINE, PreMEDLINE, PsycINFO<br><br>Topic-specific databases: NHS EED, HTA | 1998 to 04/08/2014 |

## 1.1.3   Population search terms

### Embase, MEDLINE, PreMEDLINE, PsycINFO

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 psyh

7   (abus$ or acutely excited or aggress$ or agitat$ 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,psyh

13  exp chronic mental illness/ or exp mental disorders/

14  13 use psyh

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 psyh

23  (anxiet$ or anxious$ or ((chronic$ or excessiv$ or intens$ or (long$ adj2 last$) or neuros$ 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.

24  (body dysmorphic disorder or compulsions or compulsive behavior or obsessive behavior).sh. or (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$ 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.

27 (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 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,psyh

30 (anorexi$ or bing$ or bulimi$ or (compulsive adj2 (eat$ or vomit$)) or (eating adj2 disorder$) 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 psyh

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.

37 (((bipolar or bi polar) adj5 (disorder$ or depress$)) or ((cyclothymi$ or rapid or 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 psyh

45 (a?athisi$ or hebephreni$ or (neuroleptic$ and ((malignant and syndrome) or (movement adj2 disorder))) or oligophreni$ or psychotic$ or psychos?s or schizo$ 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 psyh

51 (((aggressiv$ or anxious$ or borderline$ or dependent$ or eccentric$ or 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.

52 (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 adj2 insanity)).ti,ab,id.

53 (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$) adj5 cluster$)).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 psyh

61 (alcoholi$ or (alcohol$ and (abstinence or detoxification or intoxicat$ or rehabilit$ or withdraw$))).id,hw.

62 (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 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 marijua$ 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

## Cochrane Library: NHS EED, HTA

| | |
|---|---|
| #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 agitat* 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 agitat* 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 vigilen*" 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 vigilen*" 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 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*):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

## 1.1.4   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

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 psyh
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

## Environment

### Embase, MEDLINE, PreMEDLINE, PsycINFO

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
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$.hw.
6      5 use psyh
7      ((air adj2 (condition$ 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 centre$ 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

## Devices used to alert staff/management strategies

### Embase, MEDLINE, PreMEDLINE, PsycINFO

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 psyh
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

## De-escalation

## Embase, MEDLINE, PreMEDLINE, PsycINFO

1        conflict management/
2        1 use emez
3        negotiating/
4        2 use mesz, prem
5        conflict resolution/ or de-escalation$.id. or negotiation/ or time out/
6        3 use psyh
7        (affective involvement or autonomy or authentic engag$ 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

## 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.

## Cochrane Library: NHS EED, HTA

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. (pro re nata) medication*

### Embase, MEDLINE, PreMEDLINE, PsycINFO

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 ((as$1 adj (needed or indicated or necessary or required)) or prn or pro re nata or pro renata)).ti,ab.
2    ((anticonvulsant$ 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 emergenc* 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

## 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: NHS EED, HTA

#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

## Interface between health and police

### Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID Sp

1       police/ use emez,mesz,psyh 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: NHS EED, HTA

#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

## *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: NHS EED, HTA

#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

## *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.

### Cochrane Library: NHS EED, HTA

#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 psyh

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 specialled).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 specialled):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 specialled):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

## *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 psyh

### 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

## 1.1.5 Study design filter terms

### *Health economic and quality of life design filter*

### Embase, MEDLINE, PreMEDLINE, PsycINFO – OVID SP

1 budget/ or exp economic evaluation/ or exp fee/ or funding/ or exp health care cost/ or health economics/ or exp pharmacoeconomics/ or resource allocation/

2       1 use emez
3       exp budgets/ or exp "costs and cost analysis"/ or economics/ or exp economics, hospital/ or exp economics, medical/ or economics, nursing/ or economics, pharmaceutical/ or exp "fees and charges"/ or exp resource allocation/ or value of life/
4       3 use mesz, prem
5       exp "costs and cost analysis"/ or "cost containment"/ or economics/ or finance/ or funding/ or health care economics/ or pharmacoeconomics/ or exp professional fees/ or resource allocation/
6       5 use psyh
7       (cost$ or economic$ or pharmacoeconomic$ or pharmaco economic$).ti. or (cost$ adj2 (effective$ or utilit$ or benefit$ or minimi$)).ab. or economic model$.tw. or (budget$ or fee or fees or financ$ or price or prices or pricing or resource$ allocat$ or (value adj2 (monetary or money))).ti,ab.
8       decision theory/ or decision tree/ or monte carlo method/ or *nonbiological model/ or (statistical model/ and exp economic aspect/) or stochastic model/ or *theoretical model/
9       8 use emez
10      exp decision theory/ or markov chains/ or exp models, economic/ or *models, organizational/ or *models, theoretical/ or monte carlo method/
11      10 use mesz, prem
12      exp decision theory/ or exp stochastic modeling/
13      12 use psyh
14      ((decision adj (analy$ or model$ or tree$)) or economic model$ or markov or monte carlo).ti,ab.
15      quality adjusted life year/ or "quality of life index"/ or short form 12/ or short form 20/ or short form 36/ or short form 8/ or sickness impact profile/
16      15 use emez
17      quality-adjusted life years/ or sickness impact profile/
18      17 use mesz, prem
19      "*quality of life"/
20      19 use psyh
21      (((disability or quality) adj adjusted) or (adjusted adj2 life)).ti,ab.
22      (disutili$ or (utilit$ adj1 (health or score$ or value$ or weigh$))).ti,ab.
23      (health year equivalent or hye or hyes).ti,ab.
24      (daly or qal or qald or qale or qaly or qtime$ or qwb$).ti,ab.
25      discrete choice.ti,ab.
26      (euroqol$ or euro qol$ or eq5d$ or eq 5d$).ti,ab.
27      (hui or hui1 or hui2 or hui3).ti,ab.
28      ((quality adj2 (wellbeing or well being)) or quality adjusted life or qwb or (value adj2 (money or monetary))).ti,ab.
29      (qol or hql$ or hqol$or h qol$ or hrqol or hr qol or hr ql or hrql).ti,ab.
30      rosser.ti,ab.
31      sickness impact profile.ti,ab.
32      (standard gamble or time trade$ or tto or willingness to pay).ti,ab.
33      (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).ti,ab.
34      (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).ti,ab.
35      (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).ti,ab.
36      (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).ti,ab
37      (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).ti,ab.
38      or/ 2,4,6-7,9,11,13-14,16,18,20-37