

Best Evidence Summaries of Topics in Mental Healthcare

BEST *in* **MH** *clinical question-answering service*

Question

For people diagnosed with Borderline Personality Disorder, how effective is respite care (including psychiatric ward admission) compared with treatment as usual for minimising distress, risk of harm and in improving any other patient outcome?

Clarification of question using *PICO* structure

Patients: People diagnosed with Borderline Personality Disorder
Intervention: Respite care (including psychiatric ward admission)
Comparator: Treatment as usual
Outcome: Distress, risk of harm and any other patient outcome

Clinical and research implications

Although one study showed significant reductions in repeat suicide attempts and the time to the first attempt in patients with DSM-IV borderline personality disorder after a short period of crisis hospitalisation, the fact that it was not a randomised controlled trial limits the reliability of these findings. Further research using longer follow-up periods and ideally a randomised trial design, is needed to confirm these findings.

What does the evidence say?

Number of included studies/reviews (number of participants)

One controlled clinical trial containing 200 patients was found for this summary.

Main findings

The trial compared a short period of crisis hospitalisation in a psychiatric unit in a general hospital in Switzerland with treatment as usual in adults with DSM-IV borderline personality disorder. At the three month follow-up assessment there were significantly fewer repeat suicide attempts for the hospital group compared with the control group (8 vs. 17 patients) with a significantly longer time to the first attempt (mean 85.6 days vs. 42.2 days). There was one death from suicide in the control group but none in the hospital group, and additional inpatient treatment was required by 14 of the hospital and 56 of the control group.

Author's conclusions

The study showed that a combination of intensive care and comprehensive outpatient treatment may be an appropriate management strategy and cost-effective alternative to classic psychiatric hospitalisation for acutely suicidal patients with borderline personality disorder.

Reliability of conclusions/Strength of evidence

As there was only one study in this area and it was a controlled, but not randomised trial which was judged to be at a high risk of bias due to the lack of randomisation and blinding, there is a lack of high quality evidence available for this question.

What do guidelines say?

Neither National Institute for Health and Care Excellence (NICE) nor Scottish Intercollegiate Guidelines Network (SIGN) guidelines comment on the use of respite care for people diagnosed with Borderline Personality Disorder.

Date question received: 17/09/2015

Date searches conducted: 29/09/2015

Date answer completed: 09/10/2015

References

Primary Studies

Berrino, A., Ohlendorf, P., Duriaux, S., Burnand, Y., Lorillard, S., & Andreoli, A. (2010). Crisis intervention at the general hospital: an appropriate treatment choice for acutely suicidal borderline patients. *Psychiatry research*, 186(2), 287-292.







Results




Controlled clinical trials

Author (year)	Inclusion criteria	Number of participants	Summary of results	Risk of bias
Berrino et al. (2010).	<p>Participants: Adults aged 18 and 65 with DSM-IV Borderline Personality Disorder criteria (BPD) who were referred to the emergency room for deliberate self-harm. Patients with bipolar or psychotic disorders, mental retardation or severe substance dependence were excluded.</p> <p>Intervention: Crisis hospitalisation involving intensive in-patient treatment in a psychiatric crisis unit in a general hospital (for less than 5 days) followed by treatment as usual in an intensive crisis intervention unit.</p> <p>Comparator: Treatment as usual.</p> <p>Outcome: Repeated deliberate self-harm, treatment disruption, suicidal crisis relapse, further inpatient treatment, psychiatric hospitalisations at 3 months follow-up.</p>	200 (100 per group)	<p>The intervention and control groups were comparable in terms of age (32.6 and 31.5 years), gender (87% and 83% female) and Hamilton Depression Rating Scale score (mean 21.4 and 22.5 respectively). The mean duration of crisis hospitalisation was 4.6 days (range 1 to 10 days) and at discharge 3 patients needed standard inpatient psychiatric treatment and 97 were discharged to outpatient care.</p> <p>At 3 months follow-up there were significantly fewer repeated suicide attempts in the crisis hospitalisation compared to the control group (8 vs. 17 patients), as well as a significantly longer time to the attempt (mean 85.6 days (SD 16.3) vs. 42.2 days (SD 43.6)). Two intervention patients had multiple self-harm events but no-one died during the study, however, three control patients had multiple events and one</p>	<p>High</p> <p>There was no mention of randomisation and allocation concealment, so this was not a randomised trial (authors stated that a limitation was its naturalistic design). The groups were stated to be comparable at baseline.</p> <p>Due to the nature of the interventions it would not have been possible to blind the patients and caregivers.</p> <p>Outcome assessment blinding was unclear as</p>

	<p>Study design: Controlled clinical trial, there was a comparative control group but the trial did not appear to be randomised. The trial was conducted in Switzerland.</p>		<p>committed suicide. A suicidal crisis severe enough to require additional inpatient treatment was experienced by 14 intervention and 56 control patients.</p> <p>The total costs for psychiatric hospitalisation were significantly lower for the intervention group compared to the control group (728,840 vs. 914,340 Swiss Francs).</p>	<p>although a research psychologist, blind to the study aims performed the follow-up data collection it was not reported if they were also blind to the treatment groups.</p> <p>All patients appear to have been followed up.</p>
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Risk of bias**Controlled clinical trials**

Study	RISK OF BIAS					
	Random allocation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective Reporting
Andrewes et al. (1996)						

 Low Risk High Risk Unclear Risk

Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
<i>Guidelines</i>			
NICE	"Borderline personality disorder" admission respite	2	0
<i>Systematic Reviews</i>			
MEDLINE	20. Medline; exp BORDERLINE PERSONALITY DISORDER/; 5280 results. 21. Medline; "borderline personality disorder".ti,ab; 4192 results. 22. Medline; BPD.ti,ab; 6198 results. 23. Medline; 20 OR 21 OR 22; 10436 results. 24. Medline; RESPITE CARE/; 905 results. 25. Medline; "respite care".ti,ab; 563 results. 26. Medline; PSYCHIATRIC HOSPITAL ADMISSION/; 0 results. 27. Medline; "psychiatric hospital admi*".ti,ab; 161 results. 28. Medline; exp HOSPITALIZATION/; 170074 results. 29. Medline; "hospitalization".ti,ab; 79513 results. 30. Medline; "hospitalisation".ti,ab; 10445 results. 31. Medline; 26 OR 27 OR 28 OR 29 OR 30; 228433 results. 32. Medline; brief.ti,ab; 115052 results. 33. Medline; "short term".ti,ab; 150415 results. 34. Medline; temporary.ti,ab; 49816 results. 35. Medline; 32 OR 33 OR 34; 311435 results. 36. Medline; 31 AND 35; 8284 results. 37. Medline; 24 OR 25 OR 36; 9463 results. 38. Medline; 23 AND 37; 60 results. 39. Medline; HOSPITALS, PSYCHIATRIC/; 22615 results. 40. Medline; PSYCHIATRIC DEPARTMENT, HOSPITAL/; 5972 results. 41. Medline; 31 OR 39 OR 40; 249021 results.	2	0

<p>42. Medline; 35 AND 41; 8635 results.</p> <p>43. Medline; 23 AND 42; 61 results.</p> <p>44. Medline; ("systematic* review*" OR meta-analytic* OR metaanalysis OR metaanalysis OR "meta analysis" OR meta-synthesis OR metasynthesis OR "meta synthesis" OR meta-regression OR metaregression OR "meta regression" OR synthes* adj3 literature OR synthes* adj3 evidence OR "integrative review" OR "data synthesis" OR "research synthesis" OR "narrative synthesis" OR "systematic study" OR "systematic studies").ti,ab; 133874 results.</p> <p>45. Medline; META-ANALYSIS AS TOPIC/; 14158 results.</p> <p>46. Medline; meta-analysis.ti,ab,pt; 84508 results.</p> <p>47. Medline; ("systematic comparison*" OR "systematic overview*" OR "evidence based review" OR "comprehensive review" OR "critical review" OR "quantitative review" OR "structured review" OR "realist review" OR "realist synthesis").ti,ab; 24214 results.</p> <p>48. Medline; 44 OR 45 OR 46 OR 47; 175418 results.</p> <p>49. Medline; (medline OR pubmed OR cochrane OR embase OR cinahl OR psyclit OR psycinfo OR psychlit OR psychinfo OR literature adj3 search* OR database* adj3 search* OR bibliographic adj3 search* OR electronic adj3 search* OR electronic adj3 database* OR computerized adj3 search* OR computerised adj3 search* OR internet adj3 search* OR "included studies" OR "inclusion studies" OR "inclusion criteria" OR "selection criteria" OR "selection criteria" OR "predetermined criteria").ti,ab; 189132 results.</p> <p>50. Medline; (medline OR pubmed OR cochrane OR embase OR cinahl OR psyclit OR psycinfo OR psychlit OR psychinfo OR literature adj3 search* OR database* adj3 search* OR bibliographic adj3 search* OR electronic adj3 search* OR electronic adj3 database* OR computerized adj3 search* OR computerised adj3 search* OR internet adj3 search* OR "included studies" OR "inclusion studies" OR "inclusion criteria" OR "selection criteria" OR "selection criteria" OR "predetermined criteria").ab; 186288 results.</p> <p>51. Medline; ("predefined criteria" OR assess* adj3 (quality OR validity) OR select* adj3 (study OR studies) OR data adj3 extract* OR "extracted data" OR data adj2 abstracted OR data adj3 abstraction OR "published intervention" OR (study OR studies) adj2 eval uat* OR intervention* adj2 evaluat* OR "confidence interval" OR heterogeneity OR pooled OR pooling OR "odds ratio*" OR Jadad OR coding).ab; 939987 results.</p> <p>52. Medline; 49 OR 50 OR 51; 1065088 results.</p> <p>53. Medline; 48 AND 52; 95496 results.</p> <p>54. Medline; review.ti; 291222 results.</p> <p>55. Medline; 52 AND 54; 60374 results.</p> <p>56. Medline; (review* adj4 (papers OR trials OR studies OR evidence OR intervention* OR evaluation*)).ti,ab; 137969 results.</p> <p>57. Medline; 48 OR 53 OR 55 OR 56; 284583 results.</p> <p>58. Medline; (letter OR editorial OR comment).pt; 1420037 results.</p> <p>59. Medline; exp ANIMALS/; 18054642 results.</p>		
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	<p>60. Medline; exp HUMANS/; 14010197 results.</p> <p>61. Medline; 59 NOT 60; 4044445 results.</p> <p>62. Medline; 58 OR 61; 5409242 results.</p> <p>63. Medline; 57 NOT 62; 267177 results.</p> <p>64. Medline; 63 [Limit to: Publication Year 2010-2015]; 137699 results.</p> <p>65. Medline; 43 AND 64 [Limit to: Publication Year 2010-2015]; 2 results.</p>		
EMBASE	<p>20. EMBASE; exp BORDERLINE PERSONALITY DISORDER/; 9839 results.</p> <p>21. EMBASE; "borderline personality disorder".ti,ab; 5544 results.</p> <p>22. EMBASE; BPD.ti,ab; 8816 results.</p> <p>23. EMBASE; 20 OR 21 OR 22; 16528 results.</p> <p>24. EMBASE; RESPITE CARE/; 862 results.</p> <p>25. EMBASE; "respite care".ti,ab; 704 results.</p> <p>26. EMBASE; PSYCHIATRIC HOSPITAL ADMISSION/; 0 results.</p> <p>27. EMBASE; "psychiatric hospital admi*".ti,ab; 192 results.</p> <p>28. EMBASE; exp HOSPITALIZATION/; 234345 results.</p> <p>29. EMBASE; "hospitalization".ti,ab; 120879 results.</p> <p>30. EMBASE; "hospitalisation".ti,ab; 15820 results.</p> <p>31. EMBASE; 26 OR 27 OR 28 OR 29 OR 30; 289965 results.</p> <p>32. EMBASE; brief.ti,ab; 140626 results.</p> <p>33. EMBASE; "short term".ti,ab; 188239 results.</p> <p>34. EMBASE; temporary.ti,ab; 59297 results.</p> <p>35. EMBASE; 32 OR 33 OR 34; 383346 results.</p> <p>36. EMBASE; 31 AND 35; 11309 results.</p> <p>37. EMBASE; 24 OR 25 OR 36; 12550 results.</p> <p>38. EMBASE; 23 AND 37; 71 results.</p> <p>39. EMBASE; PSYCHIATRIC DEPARTMENT/; 6369 results.</p> <p>40. EMBASE; 31 OR 39; 295329 results.</p> <p>41. EMBASE; 35 AND 40; 11504 results.</p> <p>42. EMBASE; 23 AND 41; 77 results.</p> <p>43. EMBASE; (("systematic* review*") OR ("systematic* literature review*") OR meta-analytic* OR meta-analysis OR metanalysis OR metaanalysis OR ("meta analysis") OR meta-synthesis OR metasynthesis OR ("meta synthesis) OR meta-regression OR</p>	2	0

	<p>metaregression OR ("meta regression") OR (synthes* adj3 literature) OR (synthes* adj3 evidence) OR (synthes* adj2 qualitative) OR ("integrative review") OR ("data synthesis") OR ("research synthesis") OR ("narrative synthesis") OR ("systematic study") OR ("systematic studies") OR ("systematic comparison*") OR ("systematic overview*") OR (systematic adj2 search*) OR ("systematic* literature research*").ti,ab; 164625 results.</p> <p>44. EMBASE; ((review adj3 "scientific literature") OR ("literature review" adj2 "side effect*") OR ("literature review" adj2 "adverse effect*") OR (evidence-based adj2 review) OR ("comprehensive review") OR ("critical review") OR ("critical analysis") OR ("quantitative review") OR ("structured review") OR ("realist review") OR ("realist synthesis") OR (pooled adj2 analysis) OR (medline AND (inclusion adj3 criteria)) OR ("search strateg*") OR ("search term*") OR ("pooled data" adj6 (studies OR trials))).ti,ab; 76268 results.</p> <p>45. EMBASE; ((medline OR pubmed OR cochrane)).ti,ab; 133308 results.</p> <p>46. EMBASE; ((medline OR pubmed OR cochrane OR embase OR cinahl OR psychlit OR psylit OR psycinfo OR psychinfo OR lilacs OR (literature adj3 search*) OR (database* adj3 search*) OR (bibliographic adj3 search*) OR (electronic adj3 search*) OR (electronic adj3 database*) OR (computerized adj3 search*) OR (computerised adj3 search*) OR (internet adj3 search*) OR ("included studies") OR (inclusion adj3 studies) OR ("inclusion criteria") OR ("selection criteria") OR ("predefined criteria") OR (predetermined adj2 criteria) OR (assess* adj3 (quality OR validity)) OR (select* adj3 (study OR studies)) OR (data adj3 extract*))).ab; 345844 results.</p> <p>47. EMBASE; SYSTEMATIC REVIEW/; 95292 results.</p> <p>48. EMBASE; META ANALYSIS/; 98891 results.</p> <p>49. EMBASE; (("extracted data") OR (data adj2 abstracted) OR (data adj3 abstraction) OR ("published intervention*") OR ((study OR studies) adj2 evaluat*) OR (intervention* adj2 evaluat*) OR ("confidence interval*") OR heterogeneity OR pooled OR pooling OR ("odds ratio*") OR Jadad OR coding).ab; 863635 results.</p> <p>50. EMBASE; evidence-based.ti,ab; 87130 results.</p> <p>51. EMBASE; 45 OR 46 OR 49 OR 50; 1209340 results.</p> <p>52. EMBASE; 43 OR 44 OR 47 OR 48; 263963 results.</p> <p>53. EMBASE; review.ti; 337406 results.</p> <p>54. EMBASE; 51 AND 53; 76151 results.</p> <p>55. EMBASE; ((review* adj8 (papers OR trials OR trial AND data OR studies OR evidence OR intervention* OR evaluation* OR outcome* OR findings)) OR (retriev* adj8 (papers OR trials OR studies OR evidence OR intervention* OR evaluation* OR outcome* OR findings))).ti,ab; 301057 results.</p> <p>56. EMBASE; 52 OR 54 OR 55; 497272 results.</p> <p>57. EMBASE; ((letter OR editorial)).pt; 1387827 results.</p> <p>58. EMBASE; 56 NOT 57; 489446 results.</p>		
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	<p>59. EMBASE; NONHUMAN/; 4611284 results.</p> <p>60. EMBASE; ANIMAL/; 1684578 results.</p> <p>61. EMBASE; 59 OR 60; 6279094 results.</p> <p>62. EMBASE; exp HUMAN/; 16263459 results.</p> <p>63. EMBASE; 61 NOT 62; 4885142 results.</p> <p>64. EMBASE; 58 NOT 63; 472295 results.</p> <p>65. EMBASE; "conference abstract".pt; 1979540 results.</p> <p>66. EMBASE; 64 NOT 65; 406871 results.</p> <p>67. EMBASE; 66 [Limit to: Publication Year 2010-2015]; 191377 results.</p> <p>68. EMBASE; 42 AND 67 [Limit to: Publication Year 2010-2015]; 2 results.</p>		
PsycINFO	<p>1. PsycInfo;exp BORDERLINE PERSONALITY DISORDER/; 4863 results.</p> <p>2. PsycInfo;"borderline personality disorder".ti,ab;6824 results.</p> <p>3. PsycInfo;BPD.ti,ab; 4319 results.</p> <p>4. PsycInfo;1 OR 2 OR 3; 8557 results.</p> <p>5. PsycInfo;RESPITE CARE/; 408 results.</p> <p>6. PsycInfo;"respite care".ti,ab; 522 results.</p> <p>7. PsycInfo;PSYCHIATRIC HOSPITAL ADMISSION/; 1608 results.</p> <p>8. PsycInfo;"psychiatric hospital admi*".ti,ab;169 results.</p> <p>9. PsycInfo;exp HOSPITALIZATION/; 19311 results.</p> <p>10. PsycInfo;"hospitalization".ti,ab;17166 results.</p> <p>11. PsycInfo;"hospitalisation".ti,ab;1178 results.</p> <p>12. PsycInfo;7 OR 8 OR 9 OR 10 OR 11; 30984 results.</p> <p>13. PsycInfo;brief.ti,ab;85313 results.</p> <p>14. PsycInfo;"short term".ti,ab; 39855 results.</p> <p>15. PsycInfo;temporary.ti,ab; 9404 results.</p> <p>16. PsycInfo;13 OR 14 OR 15; 132259 results.</p> <p>17. PsycInfo;12 AND 16; 1980 results.</p> <p>18. PsycInfo;5 OR 6 OR 17; 2672 results.</p> <p>19. PsycInfo;4 AND 18; 35 results.</p> <p>20. PsycInfo;((systematic*adj1 review*) OR meta-analytic* OR metaanalysis OR metaanalysis OR (meta adj1 analysis) OR meta-synthesis OR metasynthesis OR (meta adj1 synthesis) OR meta-regression OR . AND metaregression OR (meta adj1 regression) OR</p>	2	0

<p>(synthes* adj3 literature) OR (synthes* adj3 evidence) OR (integrative adj1 review) OR (data adj1 synthesis) OR (research adj1 synthesis) OR (narrative adj1 synthesis) OR (systematic adj1 study) OR (systematic adj1 studies)).ti,ab; 38832 results.</p> <p>21. PsycInfo; meta-analysis.ti,ab; 16662 results.</p> <p>22. PsycInfo; ((systematic adj1 comparison*) OR (systematic adj1 overview*) OR (evidence based review) OR (comprehensive adj1 review) OR (critical adj1 review) OR (quantitative adj1 review) OR (structured adj1 review) OR (realist adj1 review) OR (realist adj1 synthesis)).ti,ab; 22988 results.</p> <p>23. PsycInfo; 20 OR 21 OR 21 OR 22; 58044 results.</p> <p>23. PsycInfo; 20 OR 21 OR 21 OR 22; 58044 results.</p> <p>24. PsycInfo; review.pt; 116155 results.</p> <p>24. PsycInfo; review.pt; 116155 results.</p> <p>25. PsycInfo; (medline OR pubmed OR cochrane OR embase OR cinahl OR psyclit OR psycinfo OR psychlit OR psychinfo OR (literature adj3 search*) OR (database* adj3 search*) OR (bibliographic adj3 search*) OR (electronic adj3 search*) OR (electronic adj3 database*) OR (computerized adj3 search*) OR (computerised adj3 search*) OR (internet adj3 search*) OR (included adj1 studies) OR (inclusion adj3 studies) OR (inclusion adj1 criteria) OR (selection adj1 criteria) OR (selection adj1 criteria) OR (predetermined criteria)).ab; 3705370 results.</p> <p>25. PsycInfo; (medline OR pubmed OR cochrane OR embase OR cinahl OR psyclit OR psycinfo OR psychlit OR psychinfo OR (literature adj3 search*) OR (database* adj3 search*) OR (bibliographic adj3 search*) OR (electronic adj3 search*) OR (electronic adj3 database*) OR (computerized adj3 search*) OR (computerised adj3 search*) OR (internet adj3 search*) OR (included adj1 studies) OR (inclusion adj3 studies) OR (inclusion adj1 criteria) OR (selection adj1 criteria) OR (selection adj1 criteria) OR (predetermined criteria)).ab; 3705370 results.</p> <p>26. PsycInfo; ((predefined adj1 criteria) OR (assess* adj3 (quality OR validity)) OR (select* adj3 (study OR studies)) OR (data adj3 extract*) OR (extracted adj1 data) OR (data adj2 abstracted) OR (data adj3 abstraction) OR (published adj1 intervention) OR ((study OR studies) adj2 evaluat*) OR (intervention* adj2 evaluat*) OR (confidence adj1 interval) OR heterogeneity OR pooled OR pooling OR (odds adj1 ratio*) OR Jadad OR coding).ab; 135041 results.</p> <p>27. PsycInfo; 24 OR 25 OR 26; 3705370 results.</p> <p>28. PsycInfo; 23 AND 27; 57716 results.</p> <p>29. PsycInfo; review.ti; 125073 results.</p> <p>30. PsycInfo; 27 AND 29; 124542 results.</p> <p>30. PsycInfo; 27 AND 29; 124542 results.</p> <p>31. PsycInfo; ((review* adj4 (papers OR trials OR studies OR evidence OR intervention* OR evaluation*))).ti,ab; 53701 results.</p> <p>32. PsycInfo; 23 OR 28 OR 30 OR 31; 195666 results.</p>		
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	<p>33. PsycInfo;((letter OR editorial OR comment)).pt; 159188 results.</p> <p>34. PsycInfo;exp ANIMALS/; 292528 results.</p> <p>35. PsycInfo;exp HUMANS/; 1815 results.</p> <p>36. PsycInfo;34 NOT 35; 291538 results.</p> <p>37. PsycInfo;33 OR 36; 446022 results.</p> <p>38. PsycInfo;32 NOT 37; 185863 results.</p> <p>39. PsycInfo;META ANALYSIS/; 15037 results.</p> <p>40. PsycInfo;38 OR 39; 187498 results.</p> <p>41. PsycInfo;40 [Limit to: Publication Year 2010-2015];65417 results.</p> <p>42. PsycInfo;19 AND 41 [Limit to: Publication Year 2010-2015];2 results.</p>		
<i>Primary Studies</i>			
MEDLINE	<p>21. Medline; "borderline personality disorder".ti,ab;4192 results.</p> <p>22. Medline; BPD.ti,ab; 6198 results.</p> <p>23. Medline; 20 OR 21 OR 22; 10436 results.</p> <p>24. Medline; RESPITE CARE/; 905 results.</p> <p>25. Medline; "respite care".ti,ab; 563 results.</p> <p>26. Medline; PSYCHIATRIC HOSPITAL ADMISSION/; 0 results.</p> <p>27. Medline; "psychiatric hospital admi*".ti,ab; 161 results.</p> <p>28. Medline; exp HOSPITALIZATION/; 170074 results.</p> <p>29. Medline; "hospitalization".ti,ab; 79513 results.</p> <p>30. Medline; "hospitalisation".ti,ab; 10445 results.</p> <p>31. Medline; 26 OR 27 OR 28 OR 29 OR 30; 228433 results.</p> <p>32. Medline; brief.ti,ab; 115052 results.</p> <p>33. Medline; "short term".ti,ab; 150415 results.</p> <p>34. Medline; temporary.ti,ab; 49816 results.</p> <p>35. Medline; 32 OR 33 OR 34; 311435 results.</p> <p>36. Medline; 31 AND 35; 8284 results.</p> <p>37. Medline; 24 OR 25 OR 36; 9463 results.</p> <p>38. Medline; 23 AND 37; 60 results.</p> <p>39. Medline; HOSPITALS, PSYCHIATRIC/; 22615 results.</p> <p>40. Medline; PSYCHIATRIC DEPARTMENT, HOSPITAL/; 5972 results.</p>	19	0

	<p>41. Medline; 31 OR 39 OR 40; 249021 results.</p> <p>42. Medline; 35 AND 41; 8635 results.</p> <p>43. Medline; 23 AND 42; 61 results.</p> <p>44. Medline; randomized.ab; 323015 results.</p> <p>45. Medline; placebo.ab; 161970 results.</p> <p>46. Medline; randomly.ab; 233398 results.</p> <p>47. Medline; trial.ab; 325143 results.</p> <p>48. Medline; groups.ab; 1459267 results.</p> <p>49. Medline; "randomized controlled trial".pt; 395866 results.</p> <p>50. Medline; "controlled clinical trial".pt; 89390 results.</p> <p>51. Medline; 44 OR 45 OR 46 OR 47 OR 48 OR 49 OR 50; 2117756 results.</p> <p>52. Medline; 43 AND 51; 19 results.</p>		
EMBASE	<p>1. EMBASE; exp BORDERLINE PERSONALITY DISORDER/; 9839 results.</p> <p>2. EMBASE; "borderline personality disorder".ti,ab; 5544 results.</p> <p>3. EMBASE; BPD.ti,ab; 8816 results.</p> <p>4. EMBASE; 1 OR 2 OR 3; 16528 results.</p> <p>5. EMBASE; RESPITE CARE/; 862 results.</p> <p>6. EMBASE; "respite care".ti,ab; 704 results.</p> <p>7. EMBASE; PSYCHIATRIC HOSPITAL ADMISSION/; 0 results.</p> <p>8. EMBASE; "psychiatric hospital admi*".ti,ab; 192 results.</p> <p>9. EMBASE; exp HOSPITALIZATION/; 234345 results.</p> <p>10. EMBASE; "hospitalization".ti,ab; 120879 results.</p> <p>11. EMBASE; "hospitalisation".ti,ab; 15820 results.</p> <p>12. EMBASE; 7 OR 8 OR 9 OR 10 OR 11; 289965 results.</p> <p>13. EMBASE; brief.ti,ab; 140626 results.</p> <p>14. EMBASE; "short term".ti,ab; 188239 results.</p> <p>15. EMBASE; temporary.ti,ab; 59297 results.</p> <p>16. EMBASE; 13 OR 14 OR 15; 383346 results.</p> <p>17. EMBASE; 12 AND 16; 11309 results.</p> <p>18. EMBASE; 5 OR 6 OR 17; 12550 results.</p> <p>19. EMBASE; 4 AND 18; 71 results.</p>	15	0

	<p>20. EMBASE; PSYCHIATRIC DEPARTMENT/; 6369 results.</p> <p>21. EMBASE; 12 OR 20; 295329 results.</p> <p>22. EMBASE; 16 AND 21; 11504 results.</p> <p>23. EMBASE; 4 AND 22; 77 results.</p> <p>24. EMBASE; random*.ti,ab; 1009556 results.</p> <p>25. EMBASE; factorial*.ti,ab; 25842 results.</p> <p>26. EMBASE; (crossover* OR cross-over*).ti,ab; 75789 results.</p> <p>27. EMBASE; placebo*.ti,ab; 220343 results.</p> <p>28. EMBASE; (doubl* ADJ blind).ti,ab; 144561 results.</p> <p>29. EMBASE; (singl* ADJ blind*).ti,ab; 16353 results.</p> <p>30. EMBASE; assign*.ti,ab; 268820 results.</p> <p>31. EMBASE; allocat*.ti,ab; 96378 results.</p> <p>32. EMBASE; volunteer*.ti,ab; 192625 results.</p> <p>33. EMBASE; CROSSOVER PROCEDURE/; 44434 results.</p> <p>34. EMBASE; DOUBLE BLIND PROCEDURE/; 123428 results.</p> <p>35. EMBASE; RANDOMIZED CONTROLLED TRIAL/; 383450 results.</p> <p>36. EMBASE; SINGLE BLIND PROCEDURE/; 20967 results.</p> <p>37. EMBASE; 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; 1587335 results.</p> <p>38. EMBASE; 23 AND 37; 15 results.</p>		
PsycINFO	<p>1. PsycInfo;exp BORDERLINE PERSONALITY DISORDER/; 4863 results.</p> <p>2. PsycInfo;"borderline personality disorder".ti,ab; 6824 results.</p> <p>3. PsycInfo;BPD.ti,ab; 4319 results.</p> <p>4. PsycInfo;1 OR 2 OR 3; 8557 results.</p> <p>5. PsycInfo;RESPITE CARE/; 408 results.</p> <p>6. PsycInfo;"respite care".ti,ab; 522 results.</p> <p>7. PsycInfo;PSYCHIATRIC HOSPITAL ADMISSION/; 1608 results.</p> <p>8. PsycInfo;"psychiatric hospital admi*".ti,ab; 169 results.</p> <p>9. PsycInfo;exp HOSPITALIZATION/; 19311 results.</p> <p>10. PsycInfo;"hospitalization".ti,ab; 17166 results.</p> <p>11. PsycInfo;"hospitalisation".ti,ab; 1178 results.</p> <p>12. PsycInfo;7 OR 8 OR 9 OR 10 OR 11; 30984 results.</p>	8	0

	<p>13. PsycInfo;brief.ti,ab;85313 results. 14. PsycInfo;"short term".ti,ab; 39855 results. 15. PsycInfo;temporary.ti,ab; 9404 results. 16. PsycInfo;13 OR 14 OR 15; 132259 results. 17. PsycInfo;12 AND 16; 1980 results. 18. PsycInfo;5 OR 6 OR 17; 2672 results. 19. PsycInfo;4 AND 18; 35 results. 20. PsycInfo;random*.ti,ab; 146469 results. 21. PsycInfo;(doubl* ADJ blind*).ti,ab;19751 results. 22. PsycInfo;(singl* ADJ blind*).ti,ab;1763 results. 23. PsycInfo;groups.ti,ab;396149 results. 24. PsycInfo;exp EXPERIMENTAL DESIGN/; 50542 results. 25. PsycInfo;controlled.ti,ab;90622 results. 26. PsycInfo;(clinical adj3 study).ti,ab;12166 results. 27. PsycInfo;trial.ti,ab;77390 results. 28. PsycInfo;"randomized controlled trial".ti,ab;10285 results. 29. PsycInfo;20 OR 21 OR 22 OR 23 OR 24 OR 25 OR 26 OR 27 OR 28; 640791 results. 30. PsycInfo;19 AND 29; 8 results.</p>		
CENTRAL	<p>#1 MeSH descriptor: [Borderline Personality Disorder] this term only 252 #2 "borderline personality disorder" 463 #3 BPD 739 #4 #1 or #2 or #3 1015 #5 MeSH descriptor: [Respite Care] this term only 33 #6 "respite care" 100 #7 MeSH descriptor: [Hospitals, Psychiatric] this term only 241 #8 "psychiatric hospital admi*" 17 #9 MeSH descriptor: [Hospitalization] explode all trees 12593 #10 MeSH descriptor: [Psychiatric Department, Hospital] this term only 80 #11 hospitalization 15834 #12 hospitalisation 5679 #13 #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 27275</p>	6	0

#14	"short term"	26765		
#15	brief	27653		
#16	temporary	2928		
#17	#14 or #15 or #16	53788		
#18	#13 and #17	5953		
#19	#4 and #18	87		
Central only		6		

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