

Appendix 17a: clinical studies characteristics tables – service delivery

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Please note that references for studies from the previous guideline are in Appendix 18.

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
PATEL2008A	Protocol only
VANSTRATEN2006A	Mixed with anxiety - % with depression only is unclear

References of Excluded Studies

PATEL2008A (Published Data Only)

Patel, V. H., Kirkwood, B. R., Pednekar, S., Araya, R., King, M., Chisholm, D., et al. (2008) Improving the outcomes of primary care attenders with common mental disorders in developing countries: A cluster randomized controlled trial of a collaborative stepped care intervention in Goa, India. *Trials*, 9, 4.

VANSTRATEN2006A (Published Data Only)

Van Straten, A., Tiemens, B., Hakkaart, L., Nolen, W. A., & Donker, M. C. (2006) Stepped care vs. matched care for mood and anxiety disorders: a randomized trial in routine practice. *Acta Psychiatrica Scandinavica*, 113, 468-476.

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	<p>pregnant or given birth in last 6 months; current alcoholism; bipolar disorder; psychotic disorders</p> <p>Notes: n=533 'enrolled'; 507 completed initial questionnaire; 464 any follow-up data; 384 6-month follow-up data</p> <p>Baseline: BDI(m): Int 23.2; Cntl 23.2</p>			
<p>Araya2003</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: Blinded assessment</p> <p>Duration (days): Mean 84</p> <p>Followup: 3 months</p> <p>Setting: Primary Care; Chile</p> <p>Notes: RANDOMISATION: stratified by clinic and randomised in blocks of 20 by computer-generated random numbers. Allocations in sealed envelopes</p>	<p>n= 240</p> <p>Age: Mean 43</p> <p>Sex: all females</p> <p>Diagnosis: 100% Major Depression by DSM-IV</p> <p>Exclusions: GHQ-12 <5; current psychotic symptoms; serious suicidal risk; history of mania; current alcohol abuse; psychiatric consultation or admission to hospital in previous 3 months</p> <p>Baseline: HAMD: SC 19.8 (3.4); UC 19.7 (4.0)</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Remission: HAMD \neq <7</p> <p>Response: 50% reduction in HAMD</p> <p>HAMD mean follow-up</p> <p>HAMD mean endpoint</p> <p>Data Not Used</p> <p>SF-36 - not relevant</p> <p>Notes: Data available for 3 months and 3 month follow-up</p> <p>Removed all data as outlier at GDG request</p>	<p>Group 1 N= 120</p> <p>Matched Care - Stepped care algorithm based on HAMD scores at baseline and 6 weeks. Psychoeducational groups, monitoring and pharmacotherapy.</p> <p>Group 2 N= 120</p> <p>Usual Care - Physicians received guidelines on treatment of depression</p> <p>All services normally available including AD medication and referral for secondary services</p>	<p>Funding: US National Institute of Mental Health</p>
<p>Blanchard1995</p> <p>Study Type: RCT</p> <p>Type of Analysis: Completers?</p> <p>Blindness: Blinded assessment</p> <p>Duration (days): Mean 90</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: no details of method used; equal numbers of new and old cases in each arm</p>	<p>n= 96</p> <p>Age: Mean 76</p> <p>Sex: 14 males 82 females</p> <p>Diagnosis: 100% Probable Pervasive Depression by Short-CARE</p> <p>Exclusions: No details</p> <p>Notes: Further detailed assessment by Geriatric Mental State (GMS-AGECAT) - History and Aetiology Schedule (HAS)</p> <p>Baseline: DPDS: New cases 7.8 (2.1); Old cases 8.8 (2.5)</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Data Not Used</p> <p>Remission: Short-CARE <6 - not relevant</p> <p>Short-CARE mean endpoint - not relevant</p>	<p>Group 1 N= 47</p> <p>Care Management - Individually tailored care plans implemented by study nurse in collaboration with GPs and multidisciplinary team; weekly sessions with nurse</p> <p>Group 2 N= 49</p> <p>Usual Care</p>	<p>Funding: Department of Health and the Mental Health Foundation</p>
<p>CHEWGRAHAM2007</p> <p>Study Type: RCT</p> <p>Type of Analysis: 'ITT': 'subject to availability of data'</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 84</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: computer programme for stochastic minimisation controlling for age, sex and depression severity</p>	<p>n= 105</p> <p>Age: Mean 76</p> <p>Sex: 29 males 76 females</p> <p>Diagnosis: Unclear</p> <p>Exclusions: <60 years of age; GDS score <5; MMSE score <24</p> <p>Notes: SCID (DSM-IV) used as outcome measure but number with diagnosis at baseline is unclear - GPs referred patients who they had 'clinically identified as depressed'</p> <p>Baseline: SCL-20: Int 28.0 (13.7); UC 23.8 (14.6)</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Remission: <5 symptoms on SCID</p> <p>SCL-20 mean endpoint</p> <p>Data Not Used</p> <p>Burville Physical Illness - not relevant</p> <p>HAQ - not relevant</p>	<p>Group 1 N= 53</p> <p>Collaborative Care - Practices supplied with guidelines for treatment and management of depression</p> <p>Care management by CPN in collaboration with PCPs, psychoeducation, medication management and sign-posting to other services. 6 face-to-face session and 5 telephone sessions</p> <p>Group 2 N= 52</p> <p>Usual Care - Practices supplied with guidelines for treatment and management of depression</p>	<p>Funding: the Department of Health</p>
<p>DATTO2003</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: Unclear</p>	<p>n= 61</p> <p>Age: Mean 37</p> <p>Sex: 24 males 37 females</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Data Not Used</p>	<p>Group 1 N= 30</p> <p>Telephone Disease Management Programme - Psychoeducation, provider guidelines. assistance with referral.</p>	<p>Funding: University of Pennsylvania Health System and grant from National Institute of Mental</p>

<p>Blindness: No mention Duration (days): Mean 112</p> <p>Setting: Primary Care; US Notes: RANDOMISATION: no details</p>	<p>Diagnosis: 85% Major Depression by MINI</p> <p>15% No Mention: See notes by Unclear</p> <p>Exclusions: CES-D <16; suicidal risk; substance abuse problems; current psychotic symptoms; evidence for bipolar affective disorder</p> <p>Notes: PCPs referred patients with depressive symptoms</p> <p>Baseline: CES-D: TDM 32.8 (10.5); UC 31.6 (10.0); Total 32.2 (10.2)</p>	<p>Response: 50% reduction in CES-D - given as OR</p> <p>Remission: CES-D \leq11 - given as OR SF-12 - not relevant and not reported CES-D mean endpoint - n unclear MINI - not extractable Adherence - given as OR</p> <p>Notes: Author emailed 18/11/08 for ns Adjusted for clustering with ICC 0.02</p>	<p>monitoring and feedback Group 2 N= 31 Usual Care - Psychoeducation, provider guidelines, provider feedback at endpoint</p>	<p>Health</p>
<p>DIETRICH2004</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: Blinded assessment Duration (days): Mean 180</p> <p>Setting: Primary Care; US Notes: RANDOMISATION: paired practices cluster randomised after stratification by healthcare organisation</p>	<p>n= 405 Age: Mean 42 Sex: 80 males 325 females</p> <p>Diagnosis: 79% Major Depression by DSM-IV</p> <p>20% Major Depression and Dysthymia (double depression) by DSM-IV</p> <p>3% Dysthymia by DSM-IV</p> <p>Exclusions: <18 years of age; not starting or changing treatment for depression; no telephone; unable to speak English</p> <p>Notes: Actual length of intervention unclear - 'as needed until remission'</p> <p>Baseline: SCL-20: Int 2.03 (0.65); Cntl 1.98 (0.65)</p>	<p>Data Used Leaving early for any reason Reporting side effects Response: 50% reduction in SCL-20 Remission: SCL-20 <0.5 SCL-20 mean endpoint</p> <p>Notes: Adjustment for clustering in paper</p>	<p>Group 1 N= 224 Care Management - Care management, telephone support; self-management strategies</p> <p>Group 2 N= 146 Usual Care - 45-60 minute programme on diagnosis of depression and assessment of suicidal thoughts</p>	<p>Funding: John D and Catherine T MacArthur Foundation</p>
<p>DOBSCHA2006</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT: HLM</p> <p>Blindness: Blinded assessments Duration (days): Mean 365</p> <p>Setting: Primary Care; US Notes: RANDOMISATION: Stratified technique using random number generator. Clinicians in 1 clinic block randomised.</p>	<p>n= 375 Age: Mean 57 Sex: 349 males 26 females</p> <p>Diagnosis: 49% Minor Depression by DSM-IV</p> <p>47% Dysthymia by DSM-IV</p> <p>4% No Mention: See notes</p> <p>Exclusions: Received treatment from mental health specialist in previous 6 months; diagnosis of psychotic disorder, dementia or bipolar disorder; terminally ill; PHQ-9 score <10 or >25; SCL-20 score <1.0</p> <p>Notes: 4% of sample unaccounted for in baseline diagnosis</p> <p>Baseline: SCL-20: Int 1.9 (0.57); UC 1.9 (0.50)</p>	<p>Data Used SCL-20 mean endpoint</p> <p>Data Not Used Leaving early for any reason - not reported by study arm PHQ-9 - not extractable SF-36 - not relevant</p> <p>Notes: SCL available for 6 and 12 months Adjustment for clustering in paper</p>	<p>Group 1 N= 189 Decision Support Programme - All clinicians invited to participate in MacArthur Foundation depression education programme 1 psychiatrist and 1 nurse care manager; psychoeducation, medication management, feedback and recommendations to clinicians</p> <p>Group 2 N= 186 Usual Care - All clinicians invited to participate in MacArthur Foundation depression education programme. Clinician had access to all initial and follow-up PHQ-9 scores, clinicians and patients had access to mental health services including on-site teams</p>	<p>Funding: VA Health Services Research and Development Service</p>
<p>FINLEY2003</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p>	<p>n= 125 Age: Mean 54 Sex: 19 males 106 females</p>	<p>Data Used Leaving early for any reason Adherence</p> <p>Data Not Used</p>	<p>Group 1 N= 75 Collaborative Care - Implemented in HMO facility 2 years before initiation on this trial. Pharmacist care management,</p>	<p>Funding: in part by grant from the Sidney Garfield Memorial Fund and by unrestricted educational</p>

<p>Blindness: No mention Duration (days): Mean 170</p> <p>Setting: Primary Care; US Notes: RANDOMISATION: sealed envelope determined group assignment; 3:2 ratio</p>	<p>Diagnosis: 100% No Formal Diagnosis</p> <p>Exclusions: Not member of HMO and not receiving primary care services at San Rafael facility; received antidepressant during preceding 6 months; concurrent psychiatric or psychological treatment; current symptoms of mania or bipolar disorder; psychotic symptoms; eminent suicidality; active substance abuse or dependence</p> <p>Notes: No formal diagnosis: relied on provider's clinical judgement that presenting symptoms warranted antidepressant treatment</p> <p>Baseline: BIDS (Brief Inventory for Depressive Symptoms): Int 18.7 (5.8); Cntl 18.3 (5.8)</p>	<p>WSDS - not relevant Response: 50% reduction in BIDS - not relevant</p> <p>Remission: BIDS <9 - not relevant BIDS - not relevant</p> <p>Notes: Check if BIDS is useable</p>	<p>psychoeducation, follow-up and clinic visits</p> <p>Group 2 N= 50</p> <p>Usual Care - Brief 'counseling' on prescribed drug, therapeutic endpoints and side effects; treatment and follow-up left to provider's discretion</p>	<p>grant from Pfizer Inc, New York</p>
<p>Hunkeler2000</p> <p>Study Type: RCT</p> <p>Type of Analysis: Completers</p> <p>Blindness: No mention Duration (days): Mean 180</p> <p>Setting: Primary Care; US Notes: RANDOMISATION:during 1st 9 months could be randomised to condition 1 or 2, then in final 9 months condition 3 also included. Stratified by facility</p>	<p>n= 302 Age: Mean 55 Sex: 92 males 210 females</p> <p>Diagnosis: Major Depressive Disorder by DSM-IV</p> <p>Dysthymia by DSM-IV</p> <p>Exclusions: Not given prescription for SSRI; previous antidepressant prescription in past 6 months; inadequate command of English language; current problems with substance abuse; current suicide risk; reported thoughts of violence</p> <p>Baseline: BDI: Int 18.4 (8.1); UC 19.9 (8.3) HAMD-17: Int 16.6 (8.1); 19.9 (8.3)</p>	<p>Data Used Response: 50% reduction in HAMD-17</p> <p>Data Not Used Adherence - ns unclear SF-12 - not relevant HAMD-17 mean endpoint - ns unclear BDI mean endpoint - ns unclear</p> <p>Notes: Data reported at 3 and 6 months - 6 month extracted as endpoint Author emailed 11/11/08 for clarification of ns used in calculator of mean endpoint data. Dichotomous outcomes for both intervention arms are combined as both reflect collaborative care</p>	<p>Group 1 N= 117 Nurse Telehealth Care Usual Care</p> <p>Group 2 N= 62 Nurse Telehealth Care - Telephone contacts, psychoeducation, medication management, follow-up and feedback Peer Support - Health plan members who had experienced successfully treated episode of depression, model and share successful coping skills, emotional support and encourage self monitoring Usual Care</p> <p>Group 3 N= 123 Usual Care - Could be referred for other care as needed, physician training on identification and treatment of depression</p>	<p>Funding: grants from Innovations Program of Kaiser Permanente and the Community Services Programme of the Kaiser Permanente Medical Care Programme and by an unrestricted educational grant from Smith-Kline Beecham Pharmaceuticals</p>
<p>Katon1995</p> <p>Study Type: RCT</p> <p>Type of Analysis: Adherence & satisfaction= ITT; efficacy= completer</p> <p>Blindness: Blinded assessments Duration (days): Mean 210</p> <p>Setting: Primary Care; US Notes: RANDOMISATION: stratified into moderate and severe and randomised in blocks by computer generated sequence</p>	<p>n= 217 Age: Mean 47 Sex: 51 males 166 females</p> <p>Diagnosis: 42% Major Depression by DSM-III-R</p> <p>58% Minor Depression by DSM-III-R</p> <p>Exclusions: SCL-20 <0.75; <18 or >80; unwilling to take antidepressant medication; current alcohol abuse; current psychotic symptoms or serious suicidal ideation or plan; dementia; pregnancy; terminal illness; limited command of English; plan to disenrol from GHC insurance plan within next 12 months</p> <p>Notes: Intervention: major n=49; minor n=59 Control: major n=42; minor n=67</p> <p>Baseline: SCL-depression subscale: Major - Int 2.35 (0.49); Cntl 2.23 (0.48); Minor - Int 1.67 (0.40); Cntl 1.72 (0.56)</p>	<p>Data Used Response: 50% reduction in SCL-20 Adherence</p> <p>Data Not Used Leaving early for any reason - does not separate by study arm CDS - not relevant NEO - not relevant IDS - Irrelevant</p> <p>Response: 50% reduction in IDS - Irrelevant SCL-20 mean endpoint - not extractable</p> <p>Notes: Data is reported by depression severity (major v minor) For dichotomous outcomes both severity groups are combined</p>	<p>Group 1 N= 108 Collaborative Care - Psychoeducation; alternating visits between psychiatrist and PCP, follow-up Could also self-refer or be referred to GHC freestanding mental health clinic (short term psychotherapy or psychiatric consultation)</p> <p>Group 2 N= 109 Usual Care - Treatment from PCP Could also self-refer or be referred to GHC freestanding mental health clinic (short term psychotherapy or psychiatric consultation)</p>	<p>Funding: grant from National Institute of Mental Health</p>
<p>Katon1996</p>				<p>5</p>

<p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: Blinded assessment</p> <p>Duration (days): Mean 210</p> <p>Followup: 4 month endpoint 7 month follow-up*</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: stratified by severity and randomised in blocks by computer generated sequence</p>	<p>n= 153</p> <p>Age: Mean 46</p> <p>Sex: 40 males 113 females</p> <p>Diagnosis: Major Depression by DSM-III-R</p> <p>Minor Depression by DSM-III-R</p> <p>Exclusions: SCL-20 <0.75; <18 or >80; unwilling to take antidepressant medication; current alcohol abuse; current psychotic symptoms or serious suicidal ideation or plan; dementia; pregnancy; terminal illness; limited command of English; plan to disenrol from GHC insurance plan within next 12 months</p> <p>Baseline: SCL-20: Major - Int 2.46 (0.53); Cntl 2.35 (0.51); Minor - Int 1.77 (0.49); Cntl 1.62 (0.54)</p>	<p>Data Used</p> <p>Response: 50% reduction in SCL-20</p> <p>SCL-20 mean endpoint</p> <p>Remission: no longer meeting diagnosis</p> <p>Response: 50% reduction in SCL-depression Adherence</p> <p>Notes: *Intervention appears to last 7 months but last dichotomous data is at 4 months so have extracted dichotomous and continuous 4 months as endpoint</p> <p>Major & Minor reported separately</p> <p>Mean endpoint data for major removed as outlier at GDG request</p>	<p>Group 1 N= 77</p> <p>Structured Depression Treatment Programme - Psychoeducation, feedback, behavioural treatment and counselling, medication management</p> <p>Group 2 N= 76</p> <p>Usual Care - Treatment from PCP (usually antidepressant, 2-3 visits and option to refer to GHC mental health services)</p>	<p>Funding: grant from National Institute of Mental Health</p>
<p>Katon1999</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: blinded assessments</p> <p>Duration (days): Mean 90</p> <p>Followup: 25 month follow-up</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: stratified into moderate and severe depression and randomised in blocks of 8 by computer generated random number sequence</p>	<p>n= 228</p> <p>Age: Mean 47</p> <p>Sex: 58 males 170 females</p> <p>Diagnosis: 80% Recurrent Depression by DSM-IV</p> <p>55% Dysthymia by DSM-IV</p> <p>Exclusions: <18 or >80 years of age; prior antidepressant prescription within past 120 days; score =>2 on CAGE; pregnant or currently nursing; planning to disenrol from Group Health Cooperative Insurance Plan with next 12 months; currently seeing a psychiatrist; limited command of English; recently using lithium or antipsychotic medication</p> <p>Baseline: SCL-depression subscale: Int 1.9 (0.5); Cntl 1.9 (0.5)</p>	<p>Data Used</p> <p>Adherence</p> <p>SCL-20 mean endpoint</p> <p>Recovery: DSM score 0 or 1</p> <p>Data Not Used</p> <p>Depression free days - not relevant</p> <p>SF-36 - not relevant</p> <p>Notes: Outcomes at 3, 6 and 28 months</p> <p>Intervention lasted for max 3 months so this extracted as endpoint; 6 month lost; 28 month extracted as follow-up</p> <p>SCL mean score for 'moderates' at 28 months - not used</p>	<p>Group 1 N= 114</p> <p>Collaborative Care - All patients prescribed antidepressant, psychiatrist case management, PCP collaboration</p> <p>Could self-refer to Group Health Cooperative mental health provider</p> <p>Group 2 N= 114</p> <p>Usual Care. Mean dose 2.75 visits - Usually treatment with antidepressant, 2 or 3 visits, option to refer to mental health services</p> <p>Could self-refer to Group Health Cooperative mental health provider</p>	<p>Funding: grant from National Institute of Mental Health, Rockville, MD</p>
<p>LUDMAN2007</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 365</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: computer generated block randomisation</p>	<p>n= 104</p> <p>Age: Mean 50</p> <p>Sex: 30 males 74 females</p> <p>Diagnosis: 55% Minor Depression by DSM-IV</p> <p>Other Criteria: Persistent symptoms after >6months drug treatment</p> <p>79% Dysthymia by DSM-IV</p> <p>Other Criteria: Persistent symptoms after >6months drug treatment</p> <p>Exclusions: <18 years of age; not initiated antidepressant treatment at least within last 180 days; not continuously enrolled in GHC for at least previous 180 days; diagnosis of bipolar disorder or psychotic disorder; prescription for mood stabiliser or antipsychotic medication in past 2 years</p> <p>Baseline: SCL-depression subscale: CM 1.61 (0.50); CM+peer management 1.63 (0.68); CM+professionally led group 1.72 (0.56); UC 1.66 (0.54); Total 1.66 (0.57)</p>	<p>Data Used</p> <p>Remission: no longer meeting diagnosis</p> <p>Data Not Used</p> <p>Leaving early for any reason - unclear for UC arm</p> <p>PGI - not relevant</p> <p>SCL-20 mean endpoint - no data</p> <p>Notes: Author emailed 12/11/08 for SCL-20 mean endpoint data. Have combined dichotomous arms for all three interventions because each represents collaborative care alone</p>	<p>Group 1 N= 26</p> <p>Care Management - Chronic care model: treatment adherence, telephone monitoring, decision support, follow-up</p> <p>Group 2 N= 26</p> <p>Peer-led Management - Peer-led chronic disease self-management programme: 6 week workshop, cognitive symptoms management, medication adherence, patient-physician partnership</p> <p>Care Management - Chronic care model: treatment adherence, telephone monitoring, decision support, follow-up</p>	<p>Funding: grant from National Institute of Mental Health</p>

			<p>Group 3 N= 26</p> <p>Care Management - Chronic care model: treatment adherence, telephone monitoring, decision support, follow-up</p> <p>Professionally Led Group Programme - 10 week manualised intervention delivered by psychologist, cognitive-behavioural components, medication adherence, self-management</p> <p>Group 4 N= 26</p> <p>Usual Care - Free to use any primary care or speciality services normally available inside or outside GHC</p>	
<p>Mann1998b</p> <p>Study Type: RCT</p> <p>Type of Analysis: Unclear</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 120</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: no details</p>	<p>n= 419</p> <p>Age:</p> <p>Sex: no information</p> <p>Diagnosis:</p> <p>100% Major Depression by DSM-III</p> <p>Exclusions: <18 years or >74 years of age; depressed for <4 weeks; not currently receiving treatment from GP for depression or not presenting with a new episode; suicidal ideation; manic-depressive psychosis; currently receiving treatment for depression from specialist psychiatric services.</p> <p>Notes: Two studies: Study 2 only extracted here</p> <p>Diagnosis unclear - GP thought depressed and above used as remission outcome</p> <p>Baseline: BDI at entry to study 2: Int 21.14; Cntl 20.75</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Remission: no longer meeting diagnosis</p> <p>Data Not Used</p> <p>BDI mean endpoint - not extractable</p> <p>Notes: Letter sent to author 11/11/08 for sample size used in mean calculations and for SDs</p>	<p>Group 1 N= 271</p> <p>Feedback+Follow-up. Mean dose total 8 hours recommended - Nurse case management</p> <p>Group 2 N= 148</p> <p>Usual Care</p>	<p>Funding: unclear</p>
<p>MCMAHON2007</p> <p>Study Type: RCT</p> <p>Type of Analysis: 'ITT'</p> <p>Blindness: Blinded assessment</p> <p>Duration (days): Mean 180</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: randomisation codes generated by independent researcher, patients balanced in blocks of 10</p>	<p>n= 62</p> <p>Age:</p> <p>Sex: no information</p> <p>Diagnosis:</p> <p>100% Depressive Illness by ICD-10</p> <p>Other Criteria: Moderate to severe episode</p> <p>Exclusions: <18 or >65 years of age; not currently prescribed antidepressant or not been on antidepressant for minimum 8 weeks; diagnosis of personality disorder; organic brain disorder; alcohol or drug dependency; pregnancy; learning disability; HAMD-17 score <14</p> <p>Baseline: BDI: CM 26.4 (11.9); Ctrl 26.2 (11.9)</p> <p>HAMD-17: CM 19.1 (4.7); Ctrl 18.1 (4.0)</p> <p>MADRS: CM 26.8 (6.6); Ctrl 24.3 (6.9)</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>MADRS mean endpoint</p> <p>HAMD-17 mean endpoint</p> <p>BDI mean endpoint</p> <p>Data Not Used</p> <p>SASS - not relevant</p>	<p>Group 1 N= 30</p> <p>Care Management - All patients received prescription for alternative antidepressant in line with NICE guidelines. Case management from graduate mental health worker, 6 contacts over 16 weeks, no formal psychotherapy, collaboration with GP</p> <p>Group 2 N= 32</p> <p>Usual Care - All patients received prescription for alternative antidepressant in line with NICE guidelines</p> <p>Usual GP treatment</p>	<p>Funding: Wyeth Laboratories</p>
<p>PERAHIA2008</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 84</p> <p>Setting: Outpatients; 11 European countries</p> <p>Notes: RANDOMISATION: no details (1:1 ratio)</p>	<p>n= 962</p> <p>Age: Mean 46</p> <p>Sex: 345 males 617 females</p> <p>Diagnosis:</p> <p>100% Major Depressive Disorder by DSM-IV</p> <p>Exclusions: <18 years of age; HAMD-17 <15; no access to telephone; other current primary axis I DSM-IV diagnosis;</p>	<p>Data Used</p> <p>Reporting side effects</p> <p>Leaving early for any reason</p> <p>Remission: HAMD-17 =/≠7</p> <p>Response: 50% reduction in HAMD-17</p> <p>HAMD-17 mean change</p> <p>Data Not Used</p> <p>Adherence - n used in analysis unclear</p>	<p>Group 1 N= 477</p> <p>Telephone Care Management - 3 telephone sessions over 12 weeks; psychoeducation</p> <p>Duloxetine. Mean dose 60-120mg/day</p> <p>Group 2 N= 485</p> <p>Duloxetine. Mean dose 60-120mg/day</p>	<p>Funding: Eli Lilly and Company (US) and Boehringer Ingelheim (Germany). Note: ITT = minimum baseline & one post baseline evaluation</p>

	<p>lack of response to at least 2 adequate courses of antidepressant therapy during current episode; serious suicide risk; score >3 on item 3 of HAMD-17 at visit 1 and/or visit 2.</p> <p>Baseline: HAMD-17: Int 21.6 (4.0); Cntl 21.7 (4.2)</p>	<p>SQ-SS - not relevant SF-36 - not relevant EuroQOL - not relevant BMQ - not relevant VAS - not relevant PGI - not relevant CGI - not relevant</p> <p>Notes: HAMD-17 mean change is reported as Least Squares</p>		
<p>PILLING2010</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: Blinded to initial allocation</p> <p>Duration (days): Mean 120</p> <p>Followup: 4 months</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: block randomisation by independent statistician</p>	<p>n= 87</p> <p>Age: Mean 46</p> <p>Sex: 35 males 52 females</p> <p>Diagnosis: 100% Clinical diagnosis established by GP by Clinical diagnosis</p> <p>Exclusions: <16 years of age; BDI-II score <10; prescribed ADs or referred to specialist mental health services in previous 4 months; current diagnosis of psychotic disorder; significant drug or alcohol problems; significant cognitive impairment</p> <p>Baseline: BDI: Int 30.88 (12.07); 30.75 (11.47); Total 30.82 (11.71)</p>	<p>Data Used Leaving early for any reason BDI-II mean endpoint</p> <p>Data Not Used CSQ-8 - not relevant SF-36 - not relevant WSAS - not relevant Adherence - not reported</p>	<p>Group 1 N= 43 Collaborative Care - PCMH delivered intervention:45 minute clinical interview and risk assessment, followed by 2-8 face-to-face and telephone contacts over next 4 months. Included guided self-help, support in taking medication, referral facilitation and co-ordination of care</p> <p>Group 2 N= 44 Usual Care</p>	
<p>RICHARDS2008</p> <p>Study Type: RCT</p> <p>Type of Analysis: 'ITT'</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 90</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: stratified by PCT</p>	<p>n= 114</p> <p>Age: Mean 42</p> <p>Sex: 26 males 88 females</p> <p>Diagnosis: 100% Major Depression by DSM-IV</p> <p>Exclusions: Aged <18 years; SCID score <5; postnatal, bereavement or physical causes for depression; not current episode of GP-initiated treatment of <1 month duration; active suicidal plan; primary drug or alcohol dependence</p> <p>Baseline: SCL-20: Int 47.34 (12.15); patient randomised Ctrl 43.84 (12.38); cluster randomised Ctrl 47.85 (14.60); Total 46.34 (13.02)</p>	<p>Data Used Leaving early for any reason PHQ-9</p> <p>Data Not Used CORE-OM - not relevant SF-36 - not relevant</p> <p>Notes: Within Control group outcomes extracted for patient randomised arm only (and dropped cluster randomised) to match randomisation used in intervention arm</p>	<p>Group 1 N= 41 Collaborative Care - Case manager co-ordinated medication management, brief psychological therapy, scheduled follow-ups and enhanced specialist and GP communication</p> <p>Group 2 N= 73 Usual Care - Routine care with access to secondary services and to best practice guidance published by NHS Patient randomised n=38; cluster randomised n=35</p>	Funding: MRC grant
<p>RICKLES2005</p> <p>Study Type: RCT</p> <p>Type of Analysis: Completers</p> <p>Blindness: Open</p> <p>Duration (days): Mean 90</p> <p>Setting: Pharmacies; US</p> <p>Notes: RANDOMISATION: 10 pieces of paper with sequential numbers for each pharmacist, one number selected from envelope for each</p>	<p>n= 63</p> <p>Age: Mean 38</p> <p>Sex: 10 males 53 females</p> <p>Diagnosis: 100% No Mention: See notes</p> <p>Exclusions: Antidepressant use within past 4 months; <18 years old; willing to pick up antidepressant from study pharmacy in next 4 months; no hearing impairment; planned</p>	<p>Data Used Response: 50% reduction in BDI-II BDI-II mean endpoint</p> <p>Data Not Used Adherence - continuous outcome; unclear n</p>	<p>Group 1 N= 31 Pharmacist Intervention - Pharmacist Guided Education and Monitoring (PGEM): 3 monthly telephone calls, medication management and education</p> <p>Group 2 N= 32 Usual Care</p>	Funding: dissertation grant award from Sonderegger Research Centre and predoctoral National Research Service Award through National Institute of Mental Health

<p>participant</p>	<p>to be in local area during next 4 months; BDI-II <16; required translator; pregnant or nursing; receiving medications for psychotic or bipolar disorder; physical condition requiring additional caution with their antidepressant</p> <p>Notes: Diagnosis method unclear - participants with antidepressant prescriptions were identified</p> <p>Baseline: BDI-II: PGEM 28.9 (8.15); UC 27.0 (8.40)</p>	<p>Notes: Study pharmacists had contact with both intervention and usual care participants; possible enhancing of usual care? Dropout data not extracted because unclear - usual care arm not referred to in text</p>		
<p>ROST2001a</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 730</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: paired into blocks according to proportion diagnosed with depression and first in each block randomised by coin toss</p> <p>Info on Screening Process: ROST2001a: All comers, split into newly treated and recently treated. Extracted recently treated only</p> <p>ROST2001b: Maintenance of newly treated patients only</p>	<p>n= 479</p> <p>Age: Mean 43</p> <p>Sex: 77 males 402 females</p> <p>Diagnosis: 100% Major Depression by DSM-III-R</p> <p>Exclusions: Not making routine-length visits where care was provided by one of the participating physicians; <18 years of age; pregnant, breastfeeding or >3 months post partum; insufficient literacy in English or insufficient cognitive function to complete surveys; acute life-threatening physical condition; no access to a telephone; bereavement; did not intend to receive ongoing care in the clinic during next year</p> <p>Notes: ROST2001a: n=479; recently treated n=243; newly treated n=189 (completers)</p> <p>ROST2001b: n=211</p> <p>Baseline: CES-D (completers): recently treated - Int 56.9; Cntl 57.4; newly treated - Int 55.1; Cntl 52.7</p>	<p>Data Used</p> <p>Patient Satisfaction</p> <p>Remission: CES-D =<16</p> <p>Leaving early for any reason</p> <p>Data Not Used</p> <p>- not relevant</p> <p>CES-D mean endpoint - no variability measure</p> <p>SF-36 - not relevant</p> <p>Notes: CES-D mean endpoint, SF-36 and Satisfaction: ROST2001a</p> <p>Remission and SF-36: ROST2001b</p> <p>Author emailed 18/11/08 for CES-D mean endpoint data</p> <p>Adjustment for clustering in paper</p>	<p>Group 1 N= 239</p> <p>Enhanced Care. Mean dose 5-7 week nurse contact - ROST2001a n=239</p> <p>ROST2001b n=115</p> <p>Feedback and monitoring by nurse</p> <p>Group 2 N= 240</p> <p>Usual Care - ROST2001a n=240</p> <p>ROST2001b n=96</p> <p>Doctors not informed when patients screened positive for depression; no regular contacts from nurse care managers</p>	<p>Funding: NIMH grants and grant from the John D and Catherine T MacArthur Foundation</p>
<p>Rost2001b</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 730</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: paired into blocks according to proportion of ps in practice diagnosed with depression and first in each block randomised by coin toss</p> <p>Info on Screening Process: ROST2001a: All comers, split into newly treated and recently treated. Have extracted recently treated only</p> <p>ROST2001b: Maintenance of newly treated ps only</p>	<p>n= 211</p> <p>Age: Mean 43</p> <p>Sex: 34 males 177 females</p> <p>Diagnosis: 100% Major Depression by DSM-III-R</p> <p>Exclusions: Meet criteria for bereavement, mania or alcohol dependence; pregnant or in postpartum period; life threatening physical illness; did not intend to use clinic as usual source of care during year after index visit; no telephone access; illiterate in English; cognitively impaired; treatment resistant depression at baseline</p> <p>Baseline: Not reported</p>	<p>Data Used</p> <p>Remission: CES-D =<16</p> <p>Leaving early for any reason</p>	<p>Group 1 N= 115</p> <p>Enhanced Care - ROST2001a n=239</p> <p>ROST2001b n=115</p> <p>Feedback and monitoring by nurse</p> <p>Group 2 N= 96</p> <p>Usual Care - ROST2001a n=240</p> <p>ROST2001b n=96</p> <p>Doctors not informed when patients screened positive for depression; no regular contacts from nurse care managers</p>	<p>Funding: NIMH grants and grant from the John D and Catherine T MacArthur Foundation</p>
<p>Simon2000</p> <p>Study Type: RCT</p> <p>Type of Analysis: Completers</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 112</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: computer generated random numbers stratified by clinic</p>	<p>n= 613</p> <p>Age: Mean 47</p> <p>Sex: 174 males 439 females</p> <p>Diagnosis: No Formal Diagnosis</p> <p>Exclusions: Antidepressant use in previous 120 days; not diagnosed with depression at any visit; bipolar disorder or psychotic disorder in previous 2 years; alcohol or other substance misuse in previous 90 days; visited psychiatrist in</p>	<p>Data Used</p> <p>Remission: no longer meeting diagnosis</p> <p>Leaving early for any reason</p> <p>Response: 50% reduction in SCL-depression</p> <p>Data Not Used</p> <p>SCL-depression mean endpoint - 3 month midpoint only</p>	<p>Group 1 N= 196</p> <p>Care Management - 3 telephone calls; feedback to doctors, support in implementation of recommendations</p> <p>Group 2 N= 221</p> <p>Feedback Only - Doctors received detailed report on each patient 8 and 16 weeks after the initial prescription (not extracted)</p>	<p>Funding: US National Institute of Mental Health</p>

	<p>previous 90 days.</p> <p>Notes: No formal diagnosis at baseline (patients who had received 'new' prescription for antidepressant for depression) but remission defined by DSM-IV criteria.</p> <p>Baseline: Hopkins SCL - depression score: CM 1.66 (0.76); Feedback 1.67 (0.72); UC 1.74 (0.77)</p>	<p>Notes: Author emailed 12/11/08 for mean endpoint SCL- depression subscale. Feedback only arm not extracted because alone does not constitute collaborative care. Remission data corrected from previous guideline where it was inverted by mistake</p>	<p>Group 3 N= 196</p> <p>Usual Care</p>	
<p>SIMON2004</p> <p>Study Type: RCT</p> <p>Type of Analysis: 'ITT': completed at least 1 follow-up assessment</p> <p>Blindness: Blinded assessment</p> <p>Duration (days): Mean 180</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: computer generated random numbers without blocking or stratification</p>	<p>n= 600</p> <p>Age: Mean 45</p> <p>Sex: 154 males 446 females</p> <p>Diagnosis: Unclear</p> <p>Exclusions: Already receiving or planning to receive psychotherapy; already in remission when contacted; antidepressant use in previous 90 days; diagnosis of bipolar disorder or schizophrenia in past 2 years; cognitive, language or hearing impairment severe enough to preclude participation</p> <p>Notes: Diagnosis: patients beginning antidepressant treatment for depression. No structured diagnostic interview used.</p> <p>Baseline: SCL-depression subscale: TCM 1.54 (0.61); TCM+TP 1.52 (0.58); UC 1.55 (0.62)</p>	<p>Data Used</p> <p>Adherence</p> <p>Leaving early for any reason</p> <p>Response: 50% reduction in SCL-depression</p> <p>Data Not Used</p> <p>PHQ-9 - no data</p> <p>SCL-depression mean endpoint - no data</p> <p>Notes: Both intervention arms have been combined for dichotomous outcomes as they both individually reflect collaborative care</p>	<p>Group 1 N= 207</p> <p>Telephone Care Management - Care management: motivational enhancement, collaboration with PCP, referrals & crisis intervention, 3 telephone contacts & 1 mail contact. Workbook with behavioural activation techniques, challenging negative thoughts & advice for self-care plan</p> <p>Group 2 N= 198</p> <p>Telephone Care Management - Care management: motivational enhancement, collaboration with PCP, referrals & crisis intervention, 3 telephone contacts & 1 mail contact. Workbook with behavioural activation techniques, challenging negative thoughts & advice for self-care plan</p> <p>Telephone Psychotherapy - Structured 8 session CBT programme</p> <p>Group 3 N= 195</p> <p>Usual Care</p>	<p>Funding: National Institute of Mental Health</p>
<p>SIMON2006</p> <p>Study Type: RCT</p> <p>Blindness: Blinded assessment</p> <p>Duration (days):</p> <p>Setting: Behavioural re-paid health plan</p> <p>Notes: RANDOMISATION: computer generated random numbers</p>	<p>n= 207</p> <p>Age: Mean 43</p> <p>Sex: 73 males 134 females</p> <p>Diagnosis: 100% Depressive Disorder</p> <p>Exclusions: aged <18; antidepressant use in past 90 days; diagnosis not within past 30 days; bipolar disorder or schizophrenia diagnosis in past 2 years</p> <p>Notes: No structured diagnostic interview used</p> <p>Baseline: SCL-depression subscale: CM 1.61 (0.68); UC 1.57 (7.1)</p>	<p>Data Used</p> <p>Response: 50% reduction in SCL-depression</p> <p>Data Not Used</p> <p>Patient-rated measure of global improvement - not relevant</p> <p>SCL-depression mean endpoint - no variability measure</p> <p>Notes: Author emailed 18/11/08 for SCL-depression subscale mean endpoint</p>	<p>Group 1 N= 103</p> <p>Telephone Care Management. Mean dose 3 telephone contacts - Care management, collaboration with psychiatrist, crisis intervention</p> <p>Group 2 N= 104</p> <p>Usual Care - no details</p>	<p>Funding: grant from National Institute of Mental Health; Lilly Research Laboratories</p>
<p>SMIT2006</p> <p>Study Type: RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 1095</p> <p>Setting: Primary Care; Netherlands</p> <p>Notes: RANDOMISATION: computer generated random allocation list, stratified for AD use</p>	<p>n= 267</p> <p>Age: Mean 43</p> <p>Sex: 99 males 168 females</p> <p>Diagnosis: 100% Major Depression (current) by DSM-IV</p> <p>Exclusions: <17 years or >70 years of age; life threatening medical condition; psychotic disorder; dementia; addiction to</p>	<p>Data Used</p> <p>BDI mean endpoint</p> <p>Data Not Used</p> <p>BDI mean endpoint by number of previous episodes - subgroup analysis</p> <p>Leaving early for any reason - not reported at endpoint</p> <p>Relapse or Recurrence - not relapse prevention trial</p>	<p>Group 1 N= 112</p> <p>Depression Recurrence Prevention Program - DRP: 3 face to face sessions with prevention specialist; 4 telephone monitoring contacts per year</p>	<p>Funding: Dutch Organisation for Scientific Research, Medical Sciences Program & Chronic Diseases Program; Research Foundations of Health Insurance Co. 'Het Groene Land' & the Regional Health Insurance Co. RZG; University</p>

	<p>alcohol or psychotropic drugs; pregnant or nursing; already receiving treatment for depression elsewhere</p> <p>Notes: *authors advised using 24 month data because of dropout, but have used 36 month because attrition is still not above 50% at endpoint</p> <p>Baseline: BDI: DRP 20.6 (9.32); DRP+PC 20.3 (9.84); DRP+CBT 20.3 (9.25); UC 18.9 (9.49)</p>	<p>Recovery: no diagnosis for =>8 weeks - not reported at endpoint</p> <p>Remission: no diagnosis for 2-7 weeks - not reported at endpoint</p> <p>BDI mean change - reported between 3-6 months only</p> <p>Adherence - 'use' rather than adherence</p> <p>Notes: Author emailed 18/11/08 for mean BDI; responded 10/01/09 with data See 'notes' for time horizon details Have used PEP+PC for endpoint data</p>	<p>Group 2 N= 39</p> <p>Depression Recurrence Prevention Program</p> <p>Psychiatric Consultation - DRP+ One 1-hour visit with Psychiatrist who fed back to PCP (preceeding DRP)</p> <p>Group 3 N= 44</p> <p>Depression Recurrence Prevention Program</p> <p>CBT - DRP+ 10-12 weekly 1-hour sessions (preceeding DRP)</p> <p>Group 4 N= 72</p> <p>Usual Care - Usually antidepressants and counselling</p>	Hospital Groningen
<p>SWINDLE2003</p> <p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 90</p> <p>Followup: 9 month follow-up</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: Two firms, each (including all patients and physicians) randomised to one of two study arms by coin flip</p>	<p>n= 268</p> <p>Age: Mean 56</p> <p>Sex: 259 males 9 females</p> <p>Diagnosis:</p> <p>29% Major Depression by PRIME-MD</p> <p>10% Dysthymia by PRIME-MD</p> <p>3% Partially Remitted Major Depression by PRIME-MD</p> <p>59% Major Depression and Dysthymic Disorder (double) by PRIME-MD</p> <p>Exclusions: <2 GMC visits during past year or no plans to receive ongoing primary care from GMC; no access to telephone; incompetent for interview; resident of nursing home; actively suicidal; seen in VAMC mental health program; active cocaine or opiate abusers; history of bipolar disorder; terminally ill.</p> <p>Baseline: BDI: Int 20.7 (9.1); Cntl 21.9 (7.9)</p>	<p>Data Used</p> <p>Leaving early for any reason</p> <p>Data Not Used</p> <p>Patient Satisfaction - n unclear</p> <p>BDI mean follow-up - n unclear</p> <p>BDI mean endpoint - n unclear</p> <p>Notes: Reports 'lost to follow up' and 'leaving for any reason'.The latter was extracted. Author emailed 18/11/08 for clarification of sample size used</p>	<p>Group 1 N= 134</p> <p>Care Management - In-service education programme on treatment strategies and interpretation of PRIME-MD and feedback of PRIME-MD results on patient charts. Care management, treatment plan, monitoring.</p> <p>Group 2 N= 134</p> <p>Feedback Only - In-service education programme on treatment strategies and interpretation of PRIME-MD and feedback of PRIME-MD results on patient charts</p>	Funding: grant from the Department of Veterans Affairs and the Career Development Program
<p>Unutzer2002</p> <p>Study Type: RCT</p> <p>Type of Analysis: 'ITT'</p> <p>Blindness: Blinded assessments</p> <p>Duration (days): Mean 365</p> <p>Followup: 6 and 12 months</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: stratified by recruitment method and clinic; assignment according to random number sequence using computer random number generator</p>	<p>n= 1801</p> <p>Age: Mean 71</p> <p>Sex: 633 males 1168 females</p> <p>Diagnosis:</p> <p>17% Major Depression by DSM-IV</p> <p>30% Dysthymia by DSM-IV</p> <p>53% Major Depression and Dysthymia (double depression) by DSM-IV</p> <p>Exclusions: <60 years of age; not endorse one of core depression symptoms on initial screen; not plan to use participating clinic during coming 12 months; current drinking problems; history of bipolar disorder or psychosis; in ongoing treatment with psychiatrist; severe cognitive impairment; acute risk for suicide</p>	<p>Data Used</p> <p>Response: 50% reduction in SCL-20 at follow-up</p> <p>Remission: SCL-20 <0.5 at follow-up</p> <p>SCL-20 mean follow-up</p> <p>Remission: SCL-20 <0.5</p> <p>Response: 50% reduction in SCL-20</p> <p>SCL-20 mean endpoint</p> <p>Leaving early for any reason</p> <p>Data Not Used</p> <p>Self care behaviours for diabetes and chronic pain - not relevant</p> <p>Cornell Services Index - not relevant</p> <p>SF-12 - not relevant</p>	<p>Group 1 N= 906</p> <p>Collaborative Care - IMPACT: case management, psychoeducation, medication management or PST-PC and follow-up; stepped care algorithm</p> <p>Group 2 N= 895</p> <p>Usual Care - Informed of diagnosis and encouraged to follow up with PCP; access to all primary care and speciality mental health treatments without restrictions; PCPs notified if patient assigned to usual care</p>	Funding: grants from John A Hartford Foundation and Robert Wood Johnson Foundation

	Baseline: SCL-20: INT 1.7 (0.6); UC 1.7 (0.6); Total 1.7 (0.6)	Notes: Outcome data at 3, 6 and 12 months (12 month extracted as endpoint) and 6 and 12 month follow-ups		
Wells1999				
<p>Study Type: Cluster RCT</p> <p>Type of Analysis: ITT</p> <p>Blindness: No mention</p> <p>Duration (days): Mean 180</p> <p>Followup: extra 6 months for 1/2 QI-meds</p> <p>Setting: Primary Care; US</p> <p>Notes: RANDOMISATION: within matched 'sets' (matching on clinician speciality, sociodemographics and relationship with behavioural health)</p>	<p>n= 1356</p> <p>Age: Mean 43</p> <p>Sex: 375 males 981 females</p> <p>Diagnosis:</p> <p>44% Major Depression by CIDI</p> <p>3% Dysthymic Disorder by CIDI</p> <p>13% Major Depression and Dysthymic Disorder (double) by CIDI</p> <p>41% Subthreshold Depression by CIDI</p> <p>Exclusions: Not visiting a study clinician; had acute medical emergency; under age of 18; not speak English or Spanish; not insured by plan that covered the specified behavioural health group for that organization; did not consider clinic their main source of primary care for next 12 months.</p>	<p>Data Used</p> <p>Remission: current depressive disorder at 2 years</p> <p>Leaving early for any reason</p> <p>Remission: CES-D <20</p> <p>Data Not Used</p> <p>CES-D mean endpoint - no data</p> <p>SF-36 - not relevant</p> <p>Notes: Author emailed 18/11/08 for mean CES-D endpoint scores</p> <p>Outcomes-(6)&12 month endpoint & follow up.</p> <p>Non-remission at 12month follow-up is current depressive disorder;45month follow-up is probable dep disorder. Not possible to convert ITT.</p>	<p>Group 1 N= 424</p> <p>Quality Improvement Programme - MEDS - PARTNERS in CARE: Basic QI model</p> <p>QI-meds: nurse specialists trained to provide follow-up assessments and support adherence</p> <p>Group 2 N= 489</p> <p>Quality Improvement Programme - THERAPY - PARTNERS in CARE: Basic QI model</p> <p>QI-therapy: manualised individual and group CBT for 12 to 16 sessions</p> <p>Group 3 N= 443</p> <p>Usual Care - Clinic medical directors mailed the Agency for Healthcare Research and Quality depression practice guidelines</p>	<p>Funding: Agency for Health Care Policy and Research</p>

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
BEARDSLEE2007	Not just depression - mixed 'mood disorder' diagnoses; prevention - not relevant to clinical question
BOUDREAU2002	No extractable data (reported in Capoccia2004 in figures but not numerically). Author emailed 12/11/08 for mean endpoint SCL-20.
BROOK2003	No extractable data
BRUCE2004	Only 66% had depressive diagnosis at baseline
BUSH2004	Not RCT
Callahan1994	Only 21% had diagnosis of depression at baseline
CULLUM2007	Only 40% had depressive disorder at baseline
GILBODY2007	Not RCT
GLICK1986	No usual care arm
HEDRICK2003	No usual care arm
HILTY2007	No usual care arm
HORTONDEUTSCH2002	No relevant outcomes
NAGEL2008	Mixed diagnosis
RIVERA2007	Sample had mixed axis I diagnoses - only 22% had diagnosis of depression
ROSS2008	No diagnosis of depression needed for inclusion into study

RUBENSTEIN2006	No extractable data because depression outcome combines CES-D with CIDI and SF-12; care management was only implemented in 3 of the 6 practices
SHELDON1964	n (depressed) per group <10
UNUTZER2007	Not RCT
VERGOUWEN2005	No usual care arm
WANG2007	No formal diagnosis: QIDS-SR \geq 8 at baseline but this measure not used in our review and is equivalent to only 11 on HAMD-17
WANG2008	Not RCT
ZANJANI2008	No relevant outcomes; only 80% had diagnosis of depression

References of Included Studies

ADLER2004 (Published Data Only)

Adler, D. A., Bungay, K. M., Wilson, I. B., Pei, Y., Supran, S., Peckham, E. et al. (2004) The impact of a pharmacist intervention on 6-month outcomes in depressed primary care patients. *General Hospital Psychiatry*, 26, 199-209.

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Araya, R., Rojas, G., Fritsch, R., Gaete, J., Rojas, M., Simon, G. & Peters, T.J. (2003) Treating depression in primary care in low-income women in Santiago, Chile: a randomised controlled trial. *Lancet*, 361, 995-1000.

Blanchard1995 (Published Data Only)

Blanchard, M.R., Waterreus, A., Mann, A.H. (1995) The effect of primary care nurse intervention upon older people screened as depressed. *International Journal of Geriatric Psychiatry*, 10, 289-298.

CHEWGRAHAM2007 (Published Data Only)

Chew-Graham, C. A., Lovell, K., Roberts, C., Baldwin, R., Morley, M., Burns, A. et al. (2007) A randomised controlled trial to test the feasibility of a collaborative care model for the management of depression in older people. *British Journal of General Practice*, 57, 364-370.

DATTO2003 (Published Data Only)

Datto, C. J., Thompson, R., Horowitz, D., Disbot, M., & Oslin, D. W. (2003) The pilot study of a telephone disease management program for depression. *General Hospital Psychiatry*, 25, 169-177.

DIETRICH2004 (Published Data Only)

Kroenke, K., Shen, J., Oxman, T. E., Williams, J. W. J., & Dietrich, A. J. (2008). Impact of pain on the outcomes of depression treatment: results from the RESPECT trial. *Pain.*, 134, 209-215.

*Dietrich, A., Oxman, T., Williams, J., Schulberg, H., Bruce, M., Lee, P. et al. (2004). Re-engineering systems for the treatment of depression in primary care: Cluster randomised controlled trial. *British Medical Journal*, 329, 602.

DOBSCHA2006 (Published Data Only)

Dobscha, S. K., Corson, K., Hickam, D. H., Perrin, N. A., Kraemer, D. F., & Gerrity, M. S. (2006) Depression decision support in primary care: a cluster randomized trial. *Annals of Internal Medicine*, 145, 477-487.

FINLEY2003 (Published Data Only)

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Collaborative care relapse prevention: studies in the guideline update

Comparisons Included in this Clinical Question

Collaborative Depression Relapse Prevention Programme v Usual Care
KATON2001

Characteristics of Included Studies

Methods	Participants	Outcomes	Interventions	Notes
Katon2001 Study Type: RCT Type of Analysis: ITT: multiple imputation Blindness: Blinded assessment Duration (days): Mean 365 Setting: Primary Care; US Notes: RANDOMISATION: no details	n= 386 Age: Mean 46 Sex: 100 males 286 females Diagnosis: 100% Recovered but high risk of relapse (see below) by DSM-IV Exclusions: <18 or >80 years of age; prior antidepressant prescription within last 120 days; not at high risk for relapse; score ≥ 2 on CAGE; pregnant or currently nursing; planning to disenroll from GHC within next 12 months; currently seeing a psychiatrist; limited command of English; recently using Lithium or antipsychotic medication; SCL-20 score >1 ; no history of major depression/dysthymia Notes: Risk of relapse: Fewer than 4 MD symptoms and history of 3 or more episodes of MD or dysthymia or 4 residual depressive symptoms Baseline: None relevant	Data Used Relapse or Recurrence Data Not Used Sheehan Disability Scale - not relevant Chronic Disease Score - not relevant NEO - not relevant Adherence - not reported Notes: For adherence authors report refill data (use) rather than self-reported adherence, despite the latter being identified in outcomes.	Group 1 N= 194 Collaborative Care Relapse Prevention Programme - Patient education, 2 visits with depression specialist, telephone monitoring and follow-up Could also self-refer to a GHC mental health provider Group 2 N= 192 Usual Care - Usually prescription of an antidepressant, 2 to 4 visits over first 6 months of treatment and option to refer to GHC mental health services Could also self-refer to a GHC mental health provider	Funding: grants from Natinonal Institute of Mental Health Services Division

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
VONKORFF2003	no relevant outcomes

References of Included Studies

Katon2001 (Published Data Only)

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Medication management: new studies in the guideline update

Comparisons Included in this Clinical Question

Leaflet v Drug Counselling v Leaflet+Drug Counselling v Usual Care PEVELER1999	Medication Management v Usual Care ADLER2004 CROCKETT2006 RICKLES2005 WILKINSON1993
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Characteristics of Included Studies

Methods	Participants	Outcomes	Interventions	Notes
ADLER2004 Study Type: RCT Type of Analysis: 'ITT': any 6 month data even if no intervention Blindness: No mention Duration (days): Mean 180 Followup: 6 and 12 months Setting: Primary Care; US Notes: RANDOMISATION: computerised 'coin flip'	n= 507 Age: Mean 42 Sex: 143 males 364 females Diagnosis: 40% Major Depressive Disorder by DSM-IV 24% Dysthymia by DSM-IV 36% Major Depression and Dysthymia (double depression) by DSM-IV Exclusions: Not received care from a PCP in any site; <18 years old; unable to read or understand English; acute life threatening condition with terminal prognosis of <6 months; pregnant or given birth in last 6 months; current alcoholism; bipolar disorder; psychotic disorders Notes: n=533 'enrolled'; 507 completed initial questionnaire; 464 any follow-up data; 384 6-month follow-up data Baseline: BDI(m): Int 23.2; Cntl 23.2	Data Used Leaving early for any reason Modified BDI mean endpoint Data Not Used Adherence - 'use' rather than adherence MHI-5 - not relevant SF-12 - not relevant	Group 1 N= 268 Pharmacist Intervention - Care management; psychoeducation; medication management Group 2 N= 265 Usual Care	Funding: grant from National Institute of Mental Health
CROCKETT2006 Study Type: Cluster RCT Type of Analysis: Completers Blindness: No mention Duration (days): Mean 60 Setting: Pharmacies, Australia Notes: RANDOMISATION: no details	n= 119 Age: Mean 46 Sex: 22 males 84 females Diagnosis: Unclear Exclusions: <18 years of age; not likely to be resident in the area for the next 3 months; history of psychosis Notes: Diagnosis: patients who used the word 'depression' when asked what antidepressant prescription was for Demographic data is reported for completers only Baseline: NR	Data Used Adherence Data Not Used K10 - not relevant DAI - not relevant Leaving early for any reason - no data Patient Satisfaction - no data Notes: Dropout: reports number for whom there is 'complete data set' available but cannot assume remainder are lost to follow-up Can't adjust for clustering because number of clusters not reported - author emailed 26/01/09 for details	Group 1 N= 51 Pharmacist Intervention - Pharmacists given training on management of depression and asked to dispense medication with extra advice and support including psychoeducation in form of SANE brochures Group 2 N= 68 Usual Care - Asked to administer usual care	Funding: grant from the Rural and Remote Pharmacy Infrastructure Grants Scheme, administered by Pharmacy Guild of Australia
PEVELER1999 Study Type: RCT Type of Analysis: ITT	n= 213 Age: Mean 45 Sex: 56 males 157 females	Data Used HADS - depression score Adherence Data Not Used	Group 1 N= 53 Leaflet - Developed according to published principles and European Union Directives	Funding: Medical Research Council

<p>Blindness: Blinded assessment Duration (days): Mean 84</p> <p>Setting: Primary Care; UK Notes: RANDOMISATION: blocks of 8</p>	<p>Diagnosis: 100% Depressive Illness by Clinical diagnosis</p> <p>49% Major Depressive Disorder by DSM-III-R</p> <p>Exclusions: Received either drug within 3 months; had contraindication; receiving other incompatible drugs; high suicide risk</p> <p>Notes: 37/250 participants allocated to attentional control Baseline: No relevant statistics reported</p>	<p>Leaving early for any reason - lost to follow-up only - total dropout not clear SF-36 - not relevant</p> <p>Notes: Last counselling session at 8 weeks; outcomes reported at 6 & 12 weeks so 12 week extracted as endpoint. Counselling and Counselling+ Leaflet arms extracted & combined v no treatment (leaflet arm dropped because not medication management).</p>	<p>Group 2 N= 52 Drug Counselling - Given by nurse at weeks 2 and 8: daily routine, understanding treatment, psychoeducation about depression, self help & resources; management of side effects; reminders; feasibility of involving family and friends</p> <p>Group 3 N= 53 Leaflet+Drug Counselling - See above</p> <p>Group 4 N= 55 No Intervention</p>	
<p>RICKLES2005</p> <p>Study Type: RCT</p> <p>Type of Analysis: Completers</p> <p>Blindness: Open Duration (days): Mean 90</p> <p>Setting: Pharmacies; US</p> <p>Notes: RANDOMISATION: 10 pieces of paper with sequential numbers for each pharmacist, one number selected from envelope for each participant</p>	<p>n= 63 Age: Mean 38 Sex: 10 males 53 females</p> <p>Diagnosis: 100% No Mention: See notes</p> <p>Exclusions: Antidepressant use withing past 4 months; <18 years old; willing to pick up antidepressant from study pharmacy in next 4 months; no hearing impairment; planned to be in local area during next 4 months; BDI-II <16; required translator; pregnant or nursing; receiving medications for psychotic or bipolar disorder; physical condition requiring additional caution with their antidepressant</p> <p>Notes: Diagnosis method unclear - participants with antidepressant prescriptions were identified Baseline: BDI-II: PGEM 28.9 (8.15); UC 27.0 (8.40)</p>	<p>Data Used Response: 50% reduction in BDI-II BDI-II mean endpoint</p> <p>Data Not Used Adherence - continuous outcome; unclear n</p> <p>Notes: Study pharmacists had contact with both intervention and usual care participants; possible enhancing of usual care? Dropout data not extracted because unclear - usual care arm not referred to in text</p>	<p>Group 1 N= 31 Pharmacist Intervention - Pharmacist Guided Education and Monitoring (PGEM): 3 monthly telephone calls, medication management and education</p> <p>Group 2 N= 32 Usual Care</p>	<p>Funding: dissertation grant award from Sonderegger Research Centre and predoctoral National Research Service Award through National Institute of Mental Health</p>
<p>WILKINSON1993</p> <p>Study Type: RCT</p> <p>Type of Analysis: Unclear</p> <p>Blindness: Open Duration (days): Mean 56</p> <p>Setting: Primary Care; UK</p> <p>Notes: RANDOMISATION: sealed envelopes containing group allocation opened for each subject in turn</p>	<p>n= 61 Age: Mean 49 Sex: 16 males 45 females</p> <p>Diagnosis: 100% Depressive Disorder</p> <p>Exclusions: Not judged by GP to require treatment with antidepressant; <18 years old; use of TCA within 28 days preceding study</p> <p>Baseline: No relevant baseline statistics</p>	<p>Data Used Adherence Reporting side effects Leaving early due to side effects Leaving early for any reason</p> <p>Data Not Used Global Illness rating - not relevant</p> <p>Notes: Adherence: number with =/<80% adherence</p>	<p>Group 1 N= 30 Medication Management. Mean dose 5 assessments - Practice Nurse care management, medication management</p> <p>Group 2 N= 31 Usual Care - Standard GP care</p>	<p>Funding: unclear</p>

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
TRIVEDI2004B	No relevant outcomes

References of Included Studies

ADLER2004 (Published Data Only)

Adler, D. A., Bungay, K. M., Wilson, I. B., Pei, Y., Supran, S., Peckham, E. et al. (2004) The impact of a pharmacist intervention on 6-month outcomes in depressed primary care patients. General Hospital Psychiatry, 26, 199-209.

CROCKETT2006 (Published Data Only)

Crockett, J., Taylor, S., Grabham, A., & Stanford, P. (2006) Patient outcomes following an intervention involving community pharmacists in the management of depression. *Australian Journal of Rural Health*, 14, 263-269.

PEVELER1999 (Published Data Only)

Peveler, R., George, C., Kinmouth, A.L., Campbell, M. & Thompson, C. (1999) Effect of antidepressant drug counselling and information leaflets on adherence to drug treatment in primary care: randomised controlled trial. *British Medical Journal*, 319, 612-615.

RICKLES2005 (Published Data Only)

Rickles, N. M., Svarstad, B. L., Statz-Paynter, J. L., Taylor, L. V., & Kobak, K. A. (2005) Pharmacist telemonitoring of antidepressant use: Effects on pharmacist-patient collaboration. *Journal of the American Pharmacists Association*, 45, 344-353.

WILKINSON1993 (Published Data Only)

Wilkinson, G., Allen, P., Marshall, E., Walker, J., Browne, W. & Mann, A.H. (1993) The role of the practice nurse in the management of depression in general practice: treatment adherence to antidepressant medication. *Psychological Medicine*, 23, 229-237.

References of Excluded Studies

TRIVEDI2004B (Published Data Only)

Trivedi, M. H., Rush, A. J., Crismon, M. L., Kashner, T. M., Toprac, M. G., Carmody, T. J. et al. (2004) Clinical results for patients with major depressive disorder in the Texas Medication Algorithm Project. *Archives of General Psychiatry*, 61, 669-680.

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Crisis resolution and home treatment teams: studies in the previous guideline (review not updated)

Characteristics of included studies

Study	Methods	Participants	Interventions	Outcomes	Notes	AC
Stein1975 Madison	Allocation: random Blindness: single, independent raters. Duration: 14 months	Diagnosis: any severe psychiatric disorder. N = 130. History: in need of psychiatric hospital admission. Sex: 55% M, 45% F. Age: 18-62 years (mean 31). Exclusions: dual diagnosis.	1. Home care: CLP's home-based care, multidisciplinary team, 24-hour service, drug treatment, coping skills, family support, use of community agencies for 14 months and then withdrawn. N=65. 2. Standard care: hospitalisation, aim of returning to community as soon as possible, normal staffing levels, standard outpatient follow-up. N=65	1. Death. (any cause) 2. Death (due to suicide or death in suspicious circumstances) 3. Attempted suicide 4. Leaving the study early at 6, 12 and 20 months 5. Disruption to daily routine of family at 3 and months. 6. Disruption to social life of family at 3 and 6 months. 7. Family physical illness due to patient's illness at 3 and 6 months 8. At least one arrest during study 9. At least one use of emergency services during the study		B

Characteristics of excluded studies

Study	Reason for exclusion
Bond - USA	Allocation: not randomised, parallel case series.
Burns - UK	Allocation: randomised. 332 allocated but only 162 entered the study. Participants: anyone presenting for treatment to the mental health services in

	the relevant catchment area. Majority not severely ill, only 35% met PSE category 'psychotic'.
Bush - USA	Allocation: randomised. Participants: those with severe psychosis and high rate of re-hospitalisation - not necessarily in 'crisis' or need of readmission at time of allocation. Interventions: community intensive outreach versus hospital care.
Fenton - Montreal	Majority had an unknown or non-mood disorder diagnosis
Hoult - Sydney	Majority had an unknown or non-mood disorder diagnosis
Levenson - USA	Allocation: randomised. Participants: people with acute schizophrenia (Spitzerian criteria). Intervention: admission versus 'community care'. Non hospitalised group sent home but not treated there - required to attend outpatient clinic daily, treatment not delivered by multidisciplinary team, not available 24 hours.
Merson - UK	Allocation: randomised. Participants: anyone with a psychiatric disorder referred as a psychiatric emergency from the accident and emergency department or GP. Intervention: early intervention service (EIS) designed to treat people as quickly as possible versus standard care. EIS assessment at home and then case managers assigned - not a crisis intervention and not available 24 hours a day.
Mosher - USA	Allocation: quasi-randomisation. Participants: those with schizophrenia, first admission. Interventions: treated in a residential home versus hospital care - not managed in their home environment.
Muijen - London	Majority had an unknown or non-mood disorder diagnosis
Muijen 2 - UK	Allocation: randomised. Participants: people with serious mental illness in home care for 18 months (Phase I of study) - not in acute phase. Interventions: continue in home care versus withdrawal of home care.
Pay - India	Allocation: quasi randomised - therefore excluded. Participants: those with severe mental illness in need of hospitalisation. Interventions: home care by nurse versus hospital care.
Pasamanick-Ohio	Majority had an unknown or non-mood disorder diagnosis
Pasamanick2-USA	Allocation: randomised. Participants: those with serious mental illness referred to the study from community centres. Not necessarily in a crisis and not allocated to the standard care as not in need in of hospitalisation. Instead, they were allocated to the home-drug or home-placebo group. See included studies table (Pasmanick-Ohio) for more detail.
Polak - USA	Allocation: randomised. Participants: people with psychiatric illness requiring hospitalisation in a setting where a crisis ethos was already being practiced. Intervention: home based care via multidisciplinary team with 24 hours on-call service available versus hospital based care. Outcomes: denominators unclear, no usable data.
Sledge - USA	Allocation: randomised. Participants: people in acute phase of psychiatric disorder. Intervention: partial hospitalisation versus standard hospitalisation - both hospital-based packages.
van Minnen - Holland	Allocation: randomised. Participants: those with both "mental retardation and severe mental illness" - not clearly those with schizophrenia. Interventions: outreach versus hospital-based treatment.

Day hospitals: studies in the previous guideline (review not updated)

Characteristics of included studies

Study	Methods	Participants	Interventions	Outcomes	Notes	AC
Dick1985 UK	Allocation: random - no further details. Follow up: 0, 3, 12 and 52 weeks. Evaluation: by an independent research psychiatrist, not blind to group allocation. Analysis: ITT. Setting: acute day hospital in Dundee, UK	Diagnosis: schizophrenia % not known, mood disorder 56%. Inclusion criteria: suitable for day hospital treatment (excluded if too ill, suicidal, or day care impractical). N=91. Age: mean ~ 35 years. Sex: F 67.6%, M 32.4%. History: ethnic minority % not reported; married 50.4%; unemployed 56.6%; mean previous admissions not known.	1. Acute day hospital: 2 trained staff + OT, patient /staff ratio: 12.5:1, individual counselling, groups, activities and medication. N=43. 2. Inpatient care: mixed sex and female wards. N=48	1. Leaving the study early 2. Readmitted to inpatient or day patient care after discharge from inpatient or day patient care	Type 1 trial (contacted but individual patient data no longer exists). Lost to follow-up: 29.6%.	B
Dick1991 Dundee	Setting: acute day hospital in Dundee, Scotland. Allocation: random, sealed envelopes used. Follow-up: 0, 6 months. Evaluation: by person independent of treating clinician and blind to group allocation (blindness not evaluated). Unclear if statistical analysis performed blind. Analysis: ITT	Diagnosis: depression 92%, anxiety 8%. Inclusion criteria: continuous moderate anxiety/ depression for 6/12 months; not 'too well' for day hospital; not requiring inpatient; no need for specific behavioural programme; willing to accept day hospital or outpatient treatment. N= 96. Age: not clear but 50% under 45 years. Sex: 75% F. History: Subjects referred from outpatient clinics. Number of previous admissions not known.	1. Day hospital specialising in treatment of patients with severe neurotic disorders. The day hospital was problem-oriented with time-structuring and behavioural programmes. Staff ratio 1:12. N=46. 2. Outpatient care, seen monthly for medication and anxiety management. N=50.	1. Number lost to follow-up at 6 months 2. Patients not satisfied with care 3. Patients admitted to hospital during the study counted at 6 months	Dropout rate: 4% at 6 months. Type of intervention: day treatment programme. Characteristics of subjects reported only for those who completed follow-up (thus excludes 2 from each group).	A
Piper1993 Alberta	Setting: day treatment programme for outpatients with affective and personality disorders. Allocation: Random - patients matched in pairs, then one member of each pair randomly assigned to treatment or control group - no further details.	Diagnosis: depression no data, anxiety no data. Inclusion criteria: (i) long-term psychiatric problems; (ii) willing and able to engage in programme; (iii) age >13 years; (iv)no psychotic, or suicidal, or misusing substances or learning disabled or in treatment elsewhere. N =226 Age: no data	1. Day treatment programme (7 hours per day/5 days per week) involving: (i) psychotherapy in large and small groups; (ii) group activities including: psychotherapy, role play, peer feedback, life skills training and daily living tasks. N=137.	1. Number lost to follow-up at 12 months	Dropout rate: 38%. Type of intervention: day treatment programme. This was not an intention to treat analysis - analysis was based only on those pairs who completed treatment - moreover, if a member of a pair dropped out, they were	B

	Follow-up: after treatment (4.5 months from baseline), 12.5 months from baseline. Evaluation: independent of treating clinician, not blind to group allocation. Unclear if statistical analysis performed blind. Analysis: completer (see notes).	Sex: no data. History: no data on number of previous admissions.	2. Waiting list control condition consisting of a weekly supportive outpatient group, which "few attended". N=89.		replaced by a new matching subject. It is not clear why the numbers randomised to treatment and control groups were not equal, given that randomisation was meant to occur in pairs	
Sledge1996 US	Allocation: Random - computer-generated randomisation by a researcher unaware of patient characteristics. (However, if no bed available candidate was allocated to the other condition). Follow up: discharge, 2, 5, 10 months. Evaluation: by rater independent of treating clinician, but not blind to group allocation. Analysis: ITT. Setting: Day hospital of a community mental health centre day hospital in New Haven, Connecticut, USA.	Diagnosis: schizophrenia 39%, mood disorder 52%, other 9%. Inclusion criteria: (i) >18 years; (ii) presenting for inpatient admission; (iii) living locally; (iv) not involuntary; (v) not too ill for day patient treatment; (vi) not intoxicated or medically unwell. N=197. Age: mean ~33 years. Sex: F 49% M 51%. History: ethnic minority 32%, married 13.7%, unemployed 37%, previous admissions - unknown, 52% previously high service users	1. Acute day hospital: crisis respite programme + 'back up' bed if necessary, day hospital = 20 patient facility with doctors, nurses, social workers, therapists, weekdays 9-3pm, group work, control of symptoms & improvement of daily skills. N=93. 2. Inpatient care: 36 bed unit with doctors & nursing staff, psychologist, mental health workers + very active programme. N=104	1. Leaving the study early 2. Readmitted to inpatient or day patient care after discharge from inpatient or day patient care 3. Duration of index admission (individual patient data) 4. Inpatient days/month (individual patient data) 5. Day patient adjusted days/month (individual patient data) 6. All hospital days/month (individual patient data)	Type 1 trial (individual patient data obtained). Lost to follow up: 28.4%. Our individual patient data analysis required us to choose between the two measure of mental state (BPRS or SCL 90) used in this study - BPRS was chosen because it was more similar to the CPRS used in the two Creed studies - the two scales have similar effect sizes in Sledge1996.	A
Tyrer1979 Southampton	Setting: two day hospitals in Southampton, UK. Allocation: random, sealed envelopes used (information from trialist). Follow-up: 4, 8, 24 months. Evaluation: independent and blind to group allocation (not tested). Data analysed blind to group allocation (information	Diagnosis: neurotic disorder severe enough for day hospital treatment. N=106 Age: 16 - 60 years. Sex: no data.	1. Two different types of day hospital; one specialising in neurotic disorders (well staffed with psychotherapeutic orientation) and the other a standard day hospital (psychiatrists, nurses, occupational & art therapists). N=48. 2. Routine outpatient care.	1. Deaths (all causes) 2. Number lost to follow up at 8 months and 24 months 3. Patients not satisfied with care 4. Patients admitted to hospital during the study counted at 8 months and at 24 months 5. Mental state (change from baseline on the PSE [Wing 1972] at 4 and 8 months)	Dropout rate (24 months): 26%. Type of intervention: day treatment programme. Data from day hospital groups combined for this analysis.	

	from trialist). Analysis: ITT.		N=58	6. Social functioning (change from baseline on the SFS [Remington 1979a] at 4 and 8 months)		
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Characteristics of excluded studies

Study	Reason for exclusion
Austin-Los Angeles	Allocation: not randomised, survey comparing randomly selected people from two different day hospitals.
Azim-Alberta	Allocation: not randomised, quasi-experimental design, comparing inpatients, day hospital patients and non-patient controls.
Barkley-Ontario	Allocation: not randomised, retrospective study.
Basker-Jerusalem	Allocation: not randomised, before and after design.
Bateman-London	Majority had an unknown or non-mood disorder diagnosis
Beigel-New York	Allocation: not randomised, quasi-experimental design, comparing people who completed a partial hospitalisation programme with those who dropped out.
Boath-Stoke	Allocation: not randomised, quasi-experimental design comparing a day treatment programme for postnatal depression with primary care.
Bowman-Dublin	Allocation: not randomised, survey examining differences between people admitted to day hospital and inpatient care.
Bradshaw-Minnesota	Allocation: randomised. Participants: people with schizophrenia who were long-term attendees at a day care centre. Intervention: day care + cognitive behavioural therapy versus day care alone, not acute day hospital care versus admission.
Brook-Denver	Allocation: not randomised, survey comparing people treated in a crisis hostel with those treated in inpatient care.
Carey-US	Allocation: randomised. Participants: attendees at a day care centre who also abused substances. Intervention: problem-solving training + day care versus day care alone, not acute day hospital care versus admission.
Case-New York	Allocation: not randomised, retrospective study.
Comstock-Texas	Allocation: not randomised, retrospective multivariate analysis.
Creed-Blackburn	Allocation: randomised by sealed envelope, however, the trialists judged that the randomisation procedure had been compromised as people allocated to the day hospital condition were much less disabled than those admitted to inpatient care (available data bear this out in terms of diagnosis & behaviour).
Creed - UK 1990	Majority had an unknown or non-mood disorder diagnosis
Creed - UK 1996	Majority had an unknown or non-mood disorder diagnosis
Creed-Manchester	Allocation: not randomised, quasi-experimental study comparing consecutive admission to day hospital and inpatient care.
Drake-New Hampshire	Allocation: not randomised, quasi-experimental design, comparing day treatment with supported employment programme.
Ettlinger-New York	Allocation: not randomised, case-control study of day hospital versus inpatient care.
Fink-Toronto	Allocation: not randomised, quasi-experimental study of inpatient care versus day patient care.
Glick-New York	Majority had an unknown or non-mood disorder diagnosis
Glick-San Francisco	Allocation: randomised. Participants: people requiring hospital in-patient care. Intervention: short versus long hospital admission, not acute day hospital care versus admission.

Grad-Chichester	Allocation: not randomised, quasi-experimental design comparing community care in two towns.
Gudeman-Boston	Allocation: not randomised, before and after design.
Guidry-New Orleans	Allocation: not randomised, before and after design.
Guillette-Maryland	Allocation: not randomised, survey comparing costs of day patient care with theoretical costs of inpatient care.
Guy-Baltimore	Allocation: randomised by sealed envelope. Participants: people with a variety of psychiatric disorders referred for day care. Intervention: day hospital treatment versus out patient care, not acute day hospital care versus admission.
Herz-New York2	Allocation: randomised (method not specified).Participants: people with acute psychiatric disorders about to be admitted to inpatient care. Interventions: routine inpatient care versus brief inpatient care versus brief inpatient plus day care, not acute day hospital care versus admission.
Herz US 1971	Majority had an unknown or non-mood disorder diagnosis
Hirsch-London	Allocation: random allocation.Participants: people with acute psychiatric disorders about to be admitted to inpatient care. Interventions: brief inpatient care with some use of day hospital (47% patients in the brief care group were exposed to day hospital) versus routine inpatient care, not acute day hospital care versus admission.
Hogg-Glasgow	Allocation: not randomised, a survey comparing long-term inpatients with long-term day patients.
Inch-Saskatchewan	Allocation: not randomised, a prospective study comparing day hospital patients receiving 'therapeutic' and 'non-therapeutic' discharges.
Jarema-Warsaw	Allocation: not randomised, a survey comparing quality of life scores between day hospital patients, inpatients and outpatients.
Kandel-US	Allocation: randomised. Adult general psychiatry patients attending a day treatment programme. Intervention: day treatment plus a small group intervention compared against day treatment, in order to assess effect on 'future time perception', not acute day hospital care versus admission.
Kecmanovic-Sarajevo	Allocation: not randomised, case-control study comparing discharged inpatients with discharged day patients.
Klyczek-US	Allocation: not randomised, quasi-experimental design comparing outcome in two day hospitals, one of which offered mainly psychotherapy, whilst the other offered mainly activity therapy.
Konieczynska-Warsaw	Allocation: not randomised, follow-up study comparing the outcome for patients treated in a day hospital, inpatient ward and community mental health team.
Kris-US-1965	Majority had an unknown or non-mood disorder diagnosis
Kuldau-California	Allocation: randomised. Participants: inpatients about to be discharged. Interventions: rapid discharge from inpatient care versus community transitional system (34% of intervention group were discharged via day hospital), not acute day hospital care versus admission.
Levenson-Houston	Allocation: randomised by table of random numbers. Participants: people with acute schizophrenia. Intervention: treatment in an outpatient clinic versus hospital admission, excluded as outpatient clinic does not meet criteria for day hospital.
Liang-Taipei	Allocation: not randomised, a survey comparing quality of life in patients in various care settings, including day hospitals.
Linn-USA	Majority had an unknown or non-mood disorder diagnosis
Lystad-Louisiana	Allocation: not randomised, quasi-experimental design.
Mathai-Bangalore	Allocation: not randomised, survey.
Meltzoff-New York	Majority had an unknown or non-mood disorder diagnosis
Michaux-Maryland	Allocation: not randomised, quasi-experimental study of inpatient care versus day hospital care.
Milne-Wakefield	Allocation: not randomised, quasi-experimental study.
Niskanen-Helsinki	Allocation: not randomised, compared patients before and after treatment in a day hospital.
Odenheimer-USA	Allocation: not randomised, survey of the relatives of day hospital patients.
Oka-Kurume-Japan	Allocation: not randomised, quasi-experimental design comparing outcome in 31 patients with schizophrenia entering a day care centre with that of

	30 outpatients with schizophrenia matched for age and sex.
O'Shea-Ireland	Allocation: not randomised, retrospective cost-effectiveness analysis comparing day patients and inpatients.
Penk-Dallas	Allocation: not randomised, case-control study of day hospital versus inpatient care.
Piersma-Michigan	Allocation: not randomised, quasi-experimental study compared improvement in a group of inpatients with that in a group in day hospital.
Platt-London	Allocation: randomised. People with acute psychiatric disorders. Intervention: admission to day hospital versus inpatient care, trial abandoned when insufficient people (10) were randomised in first 10 weeks. No data available.
Russell-Ottawa	Allocation: not randomised, outcome for day patients compared with a retrospectively obtained sample of inpatients.
Sandell-Stockholm	Allocation: not randomised, cohort study.
Schene-NL-1993	Allocation: problems with randomisation process, unable to use any data
Tam-Hong Kong	Allocation: not randomised, survey comparing day patients with inpatients on demographic and psychological variables.
Tantam-Manchester	Allocation: not randomised, case-control study of a rehabilitation treatment for long-stay day patients.
Vaglun-Oslo	Allocation: not randomised, follow-up study comparing outcome in day patients with different types of personality disorder.
Vaitl-Haar-Germany	Allocation: not randomised, retrospective study comparing outcome in patients treated at day hospitals with those treated at "night" hospitals.
van den Hout-NL	Allocation: randomised. Depressed patients on a day treatment programme. Intervention: self-control therapy plus day care versus day care, not acute day hospital care versus admission.
Washburn-Boston	Allocation: randomised, method not specified. Participants: women receiving inpatient treatment. Intervention: continuing inpatient admission versus discharge to day patient care, not acute day hospital care versus admission.
Welburn-Ottawa	Allocation: not randomised, quasi-experimental design in which outcome for patients participating in a psychotherapy-oriented day treatment programme was compared against outcome for those awaiting admission to the programme.
Weldon-New York	Majority had an unknown or non-mood disorder diagnosis
Wilberg-Oslo	Allocation: not randomised, quasi-experimental study of day treatment + psychotherapy vs day treatment alone, for people with borderline personality disorder.
Wiersma-NL-1989	Majority had an unknown or non-mood disorder diagnosis
Zwerling-US-1964	Majority had an unknown or non-mood disorder diagnosis

Non-statutory support: studies in the previous guideline (review not updated)

Characteristics of included studies

Study	Methods	Participants	Interventions	Outcomes	Notes	AC
Harris 1999	Allocation: Random (no details). Duration: 12 months. Analysis: ITT	N=86, all female, aged 25-40. Diagnosis: meeting criteria for Present State Examination (PSE-10) depressed mood with at least 4/10 core symptoms.	1. Befriending (volunteers met and talked with participants, on a one-to-one basis, for a minimum of 1 hour a week and acted as "friends" to them, listening and "being there" for them). 2. Wait list control	1 Non-remitters (patients meeting criteria for PSE-10 depressed mood with at least 4/10 core symptoms)		B

Characteristics of excluded studies

Study	Reason for exclusion
Grant 2000	Not all participants had primary diagnosis of depression

Employment: studies excluded in the guideline update

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
MACIAS2006	Approx 52% had diagnosis of schizophrenia
NAKAO2007	Not RCT; not depressed

References of Excluded Studies

MACIAS2006 (Published Data Only)

Macias C., Jones, D.R., Hargreaves, W.A., Wang, Q., Rodican, C.F., Barreira, P.J. & Gold, P.B. (2008) When programs benefit some people more than others: tests of differential service effectiveness. *Administration and Policy in Mental Health and Mental Health Research*, 35, 283-294.

*Macias, C., Rodican, C.F., Hargreaves, W.A., Jones, D.R., Barreira, P.J. & Wang, Q. (2006) Supported employment outcomes of a randomized controlled trial of ACT and clubhouse models. *Psychiatric Services*, 57 (10), 1406-1415.

NAKAO2007 (Published Data Only)

Nakao, M., Nishikitani, M., Shima, S., & Yano, E. (2007). A 2-year cohort study on the impact of an Employee Assistance Programme (EAP) on depression and suicidal thoughts in male Japanese workers. *International Archives of Occupational & Environmental Health*, 81, 151-157.

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Studies included in the previous guideline and excluded in the guideline update

Study ID	Previous guideline review	Reason for exclusion
Callahan1994	Screening	Only 21% had diagnosis of depression at baseline