Characteristics Table for The Clinical Question: Psychological treatments

Comparisons Included in this Clinical Question CAT vs TAU (manualised good clinical **CBT** (non-comparative) **CBT+TAU vs TAU** Cognitive analytic therapy (nonpractice) comparative) HENGEVELD1996 DAVIDSON2005 RYLE2000 Cognitive therapy (non-comparative) Cognitive therapy vs Rogerian day treatment followed by outpatient DBT supportive therapy group psychotherapy vs day treatment BROWN2004 HARLEY2007 WILBERG1998 DBT vs CCT (control) DBT (non comparative) **DBT vs CTBE** DBT vs CVT+12 step ALPER2001 TURNER2000 LINEHAN2006 LINEHAN2002 BARLEY1993 CUNNINGHAM2004 LANIUS2003 MCQUILLAN2005 PRENDERGAST2007 DBT vs TAU DBT vs TFP vs SPT **DBT** vs Waitlist IGP vs IDP KOONS2001 BOHUS2004 MUNROEBLUM1995 LINEHAN1991 CARTER unpub LINEHAN1999 VANDENBOSCH2002 intensive inpatient treatment (non-IPT (non-comparative) **IPT vs CBT** MACT + TAU vs TAU comparative) MARKOWITZ2006 WEINBERG2006 GABBARD2000 **MACT vs TAU MBT** (noncomparative) Partial hospitalisation vs standard psychoanalytically-oriented psychiatric care psychotherapy (non-comparative) TYRER2003 **ANDREAunpub** LOFFLERSTASTKA2003 BATEMAN1999 Psychoanalytic-interactional therapy Schema therapy (non-comparative) SFT vs TFP Social Problem Solving + brief (non-comparative) psychoeducation vs Waitlist control NORDAHL2005 GIESENBLOO2006 LEICHSENRING2007 SSRIs plus IPT STEPPS (non-comparative) STEPPS + TAU vs TAU TFP vs DBT vs SPT

BLUM2008

CLARKIN2004

BLUM2002

BELLINO2005

Therapeutic community	
CHIESA2000	
CHIESA2004	
CHIESA2007	
DAVIES1999	
DOLAN1992	
DOLAN1997	
WARREN2004	

transference-focused psychotherapy (non-comparative)

CLARKIN2001 LOPEZ2004

Methods	Participants	Outcomes	Interventions	Notes
ALPER2001	·			
ALPER2001 Study Type: case series Study Description: Retrospective study, reports outcomes after 4 weeks of DBT. Also qualitative data reported from interviews with nurses to describe their view of DBT. Blindness: No mention Duration (days): Mean 120 Setting: COUNTRY: US; inpatients. Info on Screening Process: 65 medical records screened, Inclusion criteria: diagnosis of BPD; on DBT unit for 4wks consecutively; reports of self-injurous behaviour.	n= 15 Age: Range 22-42 Sex: all females Diagnosis: 100% BPD by Not reported Notes: ETHNICITY: 93% White 7% Black Baseline: incidents of self harm 15/week	Data Used Self-harm	Group 1 N=15 DBT - Patients treated with DBT in regional treatment center, no details of DBT reported.	
ANDREAunpub				
Study Type: cohort study Blindness: Duration (days): Followup: 18 months Setting: NETHERLANDS; partial hospitalisation	n= 33 Age: Sex: Diagnosis: 100% BPD Baseline:	Data Used SIPP BPD Severity Index IIP BDI SCL-90 OQ EQ Quality of Life	Group 1 N= 33 MBT - psychoanalytically oriented partial hospitalisation programme	
BARLEY1993 Study Type: cohort study Study Description: longitudinal data comparing parasuicide rates in unit intorducing DBT & general psychiatric unit with consistent non DBT treatment	n= 130 Age: Range 16-57 Sex: 27 males 103 females Diagnosis: 100% BPD by Not reported	Data Used Parasuicidal behaviour	Group 1 N= 130 DBT - DBT was introduced to unit - skills training group, nursing staff familiarized with DBT strategies, 'homework' groups focused on application of what patients learn in skills training group.	

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Blindness: No mention				
Duration (days): Mean 1290	Exclusions: none mentioned			
Setting: COUNTRY: UK; inpatients	Notes: ETHNICITY: not reported; 130 participants is number of patients that were discharged from unit			
Info on Screening Process: not reported	introducing DBT; no data provided for patients in general psychiatric unit.			
	Baseline: unit introducing DBT unit without DBT parasuicide rate (mean/month) 0.236 0.378			
BATEMAN1999				
Study Type: RCT	n= 44	Data Used	Group 1 N= 19	Study quality 1+
Study Description: 18-month trial with 3 and 8 year follow-up (continuation treatment for MBT group up to 36 months)	Age: Mean 32 Sex: 16 males 22 females	Suicide attempts Self-harm BDI	Partial hospitalisation - Once wkly individual psychoanalytic psychotherapy; thrice wkly grp analytic psychotherapy	Funding unclear
Type of Analysis: completers	Diagnosis:	GSI	(1hr each). Once wkly expressive therapy (1hr). Wkly community meeting (1hr). 1hr	
Blindness: No mention	100% BPD by SCID-I	No. on medication at endpoint	meeting monthly with case manager plus	
Duration (days): Mean 504	Exclusions: - DSM-III schizophrenia	Leaving treatment early for any reason Stait anxiety	medication review. Treatment not manualised	
Followup: 8 years	- bipolar disorder - substance misuse	Data Not Used	Group 2 N= 19	
Setting: COUNTRY:UK Partial hospitalisation	- mental impairement - evidence of organic brain disorder	Positive Symptom Total Score - data not extractable	Standard care (control) - Regular psychiatric review with senior psychiatrist	
Notes: RANDOMISATION: procedure not described. No details regarding blinding.	Notes: DIB also used to determine diagnosis of BPD ETHNICITY: no data	IIP - data not extractable Social Adjustment Scale (modified) - data not extractable	when necessary. Inpatient admission as appropriate then discharge to non-psychoanalytic psychiatric partial	
Info on Screening Process: Ppts recruited from general psychiatric unit. 60 ppts met inclusion criteria, 10 refused randomisation, 6 admitted to partial hospitalisation & excluded from study, 4 declined further treatment. 6 refused to participate in regular self-assessment.	Baseline:	SCL-90-R - data not reported Trait anxiety Notes: SCL-90-R administered every 6 months. Self-rated questionnaires administered every 3 months. Outcomes extracted at 18 and 24 month	hospitalisation focusing on problem solving. No formal psychotherapy offered.	
Results from this paper: Internal validity:				
1.1 Well covered 1.6 Adequately a 1.2 Not reported 1.7 Adequately a 1.3 Not reported 1.8 Partial hospi 1.4 Not addressed 1.9 Not address 1.5 Adequately addressed 1.10 Adequately	addressed italisation = 12% Placebo = 12% sed			
BELLINO2005				
Study Type: non-randomised comparative	n= 56	Data Used	Group 1 N= 21	
Study Description: Compared efficacy of	Age: Mean 27	SAT-P Mean	IPT - 1 session per week	
combined therapy (SSRIs & IPT) in 2 groups of	Sex: 16 males 32 females	IIP-64	Citalopram. Mean dose 20-40mg/day	
patients: major depressive disorder & BPD vs major depressive disorder & other PD.	Diagnosis:	HAM-D-17 HAM-A	Group 2 N= 14	
Type of Analysis: completers	100% Major Depressive Disorder by SCID-I and	CGI	IPT - 1 session per week	
Blindness: Open	II (DSM-IV)		Sertraline. Mean dose 50-100mg/day	
Duration (days): Mean 180	35% BPD by SCID-I and II (DSM-IV)		Group 3 N= 13 Fluoxetine. Mean dose 20-40mg/day	
Setting: ITALY; outpatients	65% PD other than BPD by SCID-I and II (DSM-IV)			
	Exclusions: 8 patients dropped out for non compliance in 1st			

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	4 weeks			
BLUM2002 Study Type: cohort study	n= 52	Data Used BDI	Group 1 N= 52	
Study Description: preliminary efficacy data for STEPPS	Age: Mean 33 Range 18-51 Sex: 3 males 49 females	PANAS	STEPPS - 20 manual based 2-hr weekly group meetings with 2 facilitators & 1 2-hr	
Type of Analysis: completers	Diagnosis:	BEST	session for family and significant others	
Blindness: Open	100% BPD by DSM-IV			
Duration (days): Mean 140				
Setting: US; outpatients				
BLUM2008				
Study Type: RCT	n= 165	Data Used	Group 1 N= 93	SIGN 1+ ; participants
Blindness: Single blind	Age: Mean 32	A&E attendance Hospital admissions	STEPPS - Systems training for emotional predictability & problem solving;	designate mental health professional +
Duration (days): Mean 140	Sex: 134 females	Self-harm - Full data not given	manualised 20 2-hr wkly group-based	friend/relative who could be reached in a crisis;
Followup: 1 year	Diagnosis: 100% BPD by DSM-IV	Suicide attempts - Full data not given	sessions; cognitive-behavioural elements + skills training; designated mental health	friend/relative participated in
Setting: Outpatients; US	100% BPD by DSM-1V	GAS	pro + family member/friend educated in	systems component of the treatment
Notes: RANDOMISATION: by coin toss;	Exclusions: Non-English speaking; had a psychotic or	GSI Barratt Impulsiveness Scale (BIS)	BPD & how to interact with pt	deament
unclear if raters blind	primary neurological disorder; were cognitively imparied; had current (past month) substance abuse or dependence;	BDI Mean	TAU - Participants continued psychotropic medication, psychotherapy	
Info on Screening Process: 172 assessed (92	participated in STEPPS before.	ZAN-BPD	and case management	
from inpatient/outpatient psychiatric services, 35 from clinicians/mental health centres. 29	Notes: Only those receiving allocated treatment included in	Data Not Used	Group 2 N= 72	
adverts, 8 word of mouth, 8 unspecified).	data analysis (n=124), so N females estimated from demographic data given.	CGI - Not extracting - weak measure Notes: Taken at endpoint (20 weeks) and 1-year	TAU - Participants continued psychotropic medication, psychotherapy	
	Baseline: BDI: 29 (6.5); ZAN-BPD: 18 (6.9) - all average of	follow-up; GSI has been scaled by multiplying by		
	groups	10 to facilitate the reporting of significant digits; dichotomous data are N participants with >=1		
		event		
-				
Results from this paper: Leaving study early for any reason: N = 69				
Internal validity:				
1.1 Well covered 1.6 Well covere	d			
1.2 Poor addressed 1.7 Adequately	addressed			
1.3 Poorly addressed1.4 Adequately addressed1.9 Poorly addressed	•			
1.5 Adequately addressed 1.10 Not applic				
BOHUS2004				
Study Type: non-randomised controlled trial	n= 60	Data Used	Group 1 N= 40	Study quality 1+
Type of Analysis: completers and ITT	Age: Mean 29 Range 18-44	GAF STAI	DBT - Treatment part manualised (Linehan 1993) Individual therapy	Study funded by German Research Foundation &
Blindness: No mention	Sex: all females	HARS	(2hr/wk), grp skills training (2hr/wk) grp	Borderline Personality
Duration (days): Mean 112	Diagnosis:	GSI	psychoeducation (1hr/wk) per grp meetings (2hr/wk) mindfulness grp	Disorder Research Foundation, New York
Sotting: COLINTDV: Cormon:	BPD by SCID-II	Leaving treatment early for any reason	(1hr/wk), individual body-oriented therapy	
Setting: COUNTRY: Germany Inpatient	Exclusions: - lifetime diagnosis of schizophrenia	STAXI - Anger	(1.5hr/wk) therapist team consultations.	
Notes: RANDOMISATION: process not	- bipolar I disorder - current substance abuse	Data Not Used		

described. No description of blinding and no other info given. Info on Screening Process: Ppts recruited from BPD research unit at a university hospital. 80 ppts met inclusion criteria, 20 refused to participate due to uncertainty about returning for post-assessement	- mental retardation - living further than 250 miles away from inpatient unit - current ongoing outpatient DBT or subsequent DBT after discharge also excluded Notes: DIB-R also used to determine diagnoses Baseline: DBT Waitlist DES 26.1 (14.6) 32.1 (14.4) GAF 48.5 (8.4) 48.1 (11.1) HARS 24.0 (8.6) 25.2 (9.0) STAI 73.1 (5.6) 74.4 (8.0)	DES - scale excluded HRSD-24 (Hamilton 1960) - data not extractable BDI - data not reported for control grp LPC - data not reported Notes: Initial assessment at interview for WL group & at inpatient admittance for DBT group. Post-testing conducted 4 months after initial assessment (i.e. 4 wks after discharge for DBT group). Outcomes extracted at 4 months	Group 2 N= 20 Waitlist control - During 4 mth wait period everyone had some form of professional mental health care. 12 of 19 were hospitalised in a non-DBT psychiatric unit at least once. Average 44 inpatient treatment days. 14 of 19 had outpatient care av 6.1 sessions.	
	BDI 31.3 (9.4) N/R IIP 7.61(1.43) 6.61 (1.87) STAXI 6.43 (2.6) 7.11 (2.2) SCL-90 1.74 (0.48) 1.92 (0.68)			
Results from this paper:				
Internal validity:				
1.4 Not addressed 1.9 Adequately 1.5 Adequately addressed 1.10 Not applic	raddressed 5% Placebo = 5% raddressed			
BROWN2004				
Study Type: cohort study	n= 32	Data Used Personality Belief Quaire	Group 1 N= 32	
Study Description: uncontrolled cohort study	Age: Mean 29 Range 20-55	PHI	Cognitive therapy - Treatment consisted of 50 minute weekly sessions for 50	
Type of Analysis: ITT & completers	Sex: 4 males 28 females	BPD DSM criteria	weeks with up to 12 additional treatment	
Blindness: Open	Diagnosis:	BHS	sessions to be used as needed during year treatment period. Therapists trained	
Duration (days): Mean 276 Range 14-393	100% BPD by SCID-II	HRSD-17 (Hamilton 1960)	using detailed treatment manual &	
Followup: 18 months	78% Major Depressive Disorder by SCID-I	BDI Mean Scale for Suicide Ideators	received supervision. Mean no sessions = 34.	
Setting: US; outpatients		Scale for Suicide Idealors	- 51.	
Notes: Patients allowed to use psychotropic medications, but those who started a new type	41% Eating disorder by SCID-I			
or switched medications were excluded.	34% Panic disorder by SCID-I			
Info on Screening Process: 212 incl criteria: suicide ideation/self harm behav in last 2 months & met BPD criteria. Excl criteria: schizophopic Bollycings Schizophopic Polycings Schizophopic Polycing Polycings Schizophopic Polycings Schizophopic Polycings Schizophopic Polycings Schizophopic Polycings Schizophopic Polycing Polycing Polycing Polycing Polycing Polycing Polycing Polycing Pol	31% Social Phobia by SCID-I			
schizophrenic, Delusional, Schizophreniform, Schizoaffective, Psychotic Disorders or mental retardation; receiving	31% Post traumatic stress disorder by SCID-I			
counselling/psychotherapy,	19% General Anxiety Disorder by SCID-I			
	19% Specific Phobia by SCID-I			
	13% Substance abuse by SCID-I			
	9% Alcohol misuse by SCID-I			
	9% Dysthymia by SCID-I			
	6% Bipolar II disorder by SCID-I			
	72% PD other than BPD by SCID-II			
	Exclusions: 3 participants dropped out before termination interview (12months after baseline assessment), another 5			

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	patients dropped out before 18 month follow-up Notes: 72% Caucasian, 19% African American, 9% Hispanic, Asian or other Baseline: Mean (SD) SSI 8.2 (7.9) BDI 38.4 (9.7) BHS 14.1 (5.6) HRDS 26.0 (10.7) No. BPD criteria 6.4 (1.4)			
CARTER unpub				
Study Type: RCT	n= 76	Data Used	Group 1 N= 39	Study quality 1++
Type of Analysis: ITT/per protocol analysis for self-rated outcomes	Age: Mean 25 Sex: all females	Length of admission (self-harm) (mean days) Length of admission (any psychiatric) (mean days)	DBT - Modified DBT (modification unclear); team-based approach; individual therapy, skills training groups,	Study funding not given
Blindness: Single blind	Diagnosis:	Admission for self-harm (N)	telephone access to an individual	
Duration (days): Mean 182	100% BPD by DSM-IV	Admission for self-harm (mean)	therapist & therapist supervision groups following Linehan model; 12 mths but	
Setting: Australia; outpatients Notes: RANDOMISATION: by sealed opaque envelopes Info on Screening Process: 84 people referred, 79 were eligible, 3 did not complete baseline assessment	Exclusions: No history of multiple episodes of self-harm; < 3 self-reported episodes of self-harm in last 12 months; no other specific exclusion criteria; assessing psychiatrist determined whether pts suitable for inclusion in the therapy and study Notes: 76 randomised: 1 died and 2 withdrew consent before treatment started; unclear to which grps allocated so deceased not included and other 2 divided between grps	Admission for any psychiatric reasons (N) Admission for any psychiatric reasons (mean) Leaving treatment early for any reason Data Not Used WHOQOL - Not reported PHI - Not reported Notes: Taken at 6 months before WLC started treatment; self-harm defined as any intentional self-injury or deliberate ingestion of > prescribed amount of therapeutic substances, or deliberate ingestion of substances never intended for human consumption	outcomes taken at 6 months	
Results from this paper: Internal validity: 1.1 Well covered 1.6 Adequately 1.2 Adequately addressed 1.7 Adequately 1.3 Adequately addressed 1.8 DBT = 49%	addressed			
1.4 Adequately addressed1.5 Adequately addressed1.10 Not application	addressed			
1 7	Ī			
CHIESA2000 Study Type: cohort study	n= 90	Data Used	Group 1 N= 46	SIGN 2+
Study Type: cohort study Study Description: Prospective study comparing short-hospital stay + follow-up with long-stay	Age: Mean 32 Sex: 19 males 71 females Diagnosis:	Admission for any psychiatric reasons (N) Attempted suicide Self-harm	Group 1 N= 46 One-stage group - Hospital stay of 11-16 months; post-discharge responsibility for setting up further treatment or seeking additional support is left to the patient	JUN 2+
Blindness:	56% Cluster A by DSM-IIIR	GAS GSI	Group 2 N= 44	
Duration (days): Setting: UK	77% Cluster B by DSM-IIIR	Notes: GSI & GAS at 6 & 12 months; self-harm, suicide attempts & admission 24 months	Two-stage group - Hospital stay of 6 months followed by 12-18 months of outpatient group pscyhotherapy and 6	
Notes: Allocation to treatment based on geographic region: those living in Greater London allocated to 2-step; others to 1-step	87% Cluster C by DSM-IIIR		months' concurrent community outreach nursing, both provided by Cassel hospital staff	
Info on Screening Process: 135 consecutive admissions to the Cassel Hospital between 1993 and 1997	48% Panic disorder by DSM-IIIR			
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20% Eating disorder by DSM-IIIR

17% Drug/alcohol abuse/dependence by DSM-

45% Phobic disorders by DSM-IIIR

37% Other anxiety disorders by DSM-IIIR

Exclusions: Age < 18 or > 55; non-English speaking; IQ < 90; no Axis II diagnosis; previous diagnosis of schizophrenia or delusional disorder; previous continuous stay in hospital for 2 yrs or more; organic brain damage; involvement in criminal proceedings for violent crimes

Notes: 70% BPD

1.6 Not addressed

1.10 Well covered 1.7 Well covered 1.11 Not addressed 1.8 Not applicable 1.12 Not addressed

1.9 Not applicable

1.13 Adequately addressed

Blindness:

Duration (days):

Followup: 2 years

Setting: UK; Cassel Hospital

Notes: Recalled dropouts for assessment

Info on Screening Process: All consecutive admissions between 1993 and 1997

n= 143

Age: Mean 32

Sex: 38 males 105 females

Diagnosis:

47% Paranoid PD by DSM-IIIR

69% BPD by DSM-IIIR

6% ASPD by DSM-IIIR

50% Obsessive by DSM-IIIR

39% Depression by DSM-IIIR

11% Dysthymia by DSM-IIIR

11% Bulimia Nervosa by DSM-IIIR

26% Social Phobia by DSM-IIIR

18% Drug/alcohol abuse/dependence by DSM-

50% Not otherwise specified by DSM-IIIR

Exclusions: Aged < 18 or > 55; IQ below 80; not meeting diagnosis for >=1 PD; schizophrenia; paranoid psychosis; drug/alcohol addiction, mental impairment; evidence of organic brain disorder

Group 1 N= 49

One-stage group - aka inpatient program: expected 12-month admission with no planned outpatient follow-up

SIGN 2+

Group 2 N= 45

Two-stage group - aka step-down program: expected 6-month admission followed by 12-18 month outpatient group analytic psychotherapy and 6-9 month concurrent outreach nursing

Group 3 N= 49

TAU - aka community comparison group standard general psychiatric care (psychotropic medication; supportive outpatient and community contact with 1 or moe care workers on average every 2-4 weeks; hospital admission if needed; clinical review monthly

Results from this paper:

DRAFT FOR CONSULTATION				
Internal validity:				
1.1 Well covered 1.6 Adequately				
1.2 Well covered 1.7 Well covered				
1.3 Well covered1.4 Not applica1.9 Not applica	uble 1.12 Not addressed ble 1.13 Adequately addressed			
1.5 44% not followed-up	ino rasquatoly addressed			
CHIESA2007	I			
Study Type: cohort study	- n= 73			SIGN 2+
Study Description: Analysis of predictor	Age: Mean 30			
variables	Sex: 18 males 55 females			
Blindness:	Diagnosis:			
Duration (days):	100% Cluster B by DSM-IIIR			
Followup: 2 years	COOK Decreasion by DOM HID			
Setting: UK; Cassel Hospital	69% Depression by DSM-IIIR			
Info on Screening Process: 137 consecutive admissions to the Cassel Hospital for	33% Bulimia Nervosa by DSM-IIIR			
admissions to the Cassel Hospital for psychosocial treatment over a 4-yr period; 3% did not meet study criteria (axis II diagnosis); 11% refused consent; 15% dropped out.	31% Panic disorder by DSM-IIIR			
	29% Obsessive compulsive disorder by DSM- IIIR			
	51% Paranoid PD by DSM-IIIR			
	18% Schizotypal by DSM-IIIR			
	49% Avoidant PD by DSM-IIIR			
	34% Dependent by DSM-IIIR			
	21% Passive-aggressive by DSM-IIIR			
	49% Self-defeating by DSM-IIIR			
	30% Social Phobia by DSM-IIIR			
	Exclusions: Not meeting criteria for axis II disorder			
Results from this paper:				
Internal validity:				
1.1 Well covered 1.6 Not address	sed 1.10 Well covered			
1.2 Well covered 1.7 Well covered	ed 1.11 Not addressed			
1.3 Well covered 1.8 Not applica				
1.4 Not applicable 1.9 Not applical 1.5 47% not followed-up	ble 1.13 Adequately addressed			
CLARKIN2001				
Study Type: cohort study	n= 23	Data Used	Group 1 N= 23	
Study Description: Pre & post changed	Age: Mean 33 Range 19-48	Hospitalisation days	Transference Focused Therapy -	
observed in 1 year outpatient treatment of BPD with TFP	Sex: all females	Hospital admissions Physical condition relating to parasuicide	Transference-focused psychotherapy was delivered 3 times a week for 12 months	
Type of Analysis: ITT & competer	Diagnosis:	Medical risk of parasuicide	according to the TFP manual	
1 yea of Allarysia. If I to competer	100% BPD by SCID-II	Mean number of Self harm/suicide attempts		

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Blindness: Open	47% Major Depressive Disorder by DSM-IV	GAF		
Duration (days): Mean 365	47% Major Depressive Disorder by DSM-IV			
Setting: US; outpatients	24% Dysthymia by DSM-IV			
Info on Screening Process: incl criteria: female,	18% Eating disorder by DSM-IV			
18-50 years, 5+ DSM IV BPD criteria, >=2 incidents of suicidal/self injurious behav in last				
5 years, absence of schizophrenia, bipolar	82% Narcisisstic PD by DSM-IV			
disorder, organic pathology or mental				
retardation, no other indiv psychotherapy	76% Paranoid PD by DSM-IV			
	71% OCPD by DSM-IV			
	7 1 70 COL B by BOWLIV			
	CEN/ Avaidant DD hy DCM IV			
	65% Avoidant PD by DSM-IV			
	<u></u>			
	Exclusions: 2 patients dropped out at around 4 months and			
	another 2 at around 8 months, another 2 patients were administratively discharged due to protocol violations			
	Notes: 13 patients Caucasian, 4 Hispanic			
	Baseline:			
	Mean (SD)			
	Parasuicide: no. incidents 4.39 (6.34)			
	no. incidents 4.39 (6.34) medical risk 2.06 (1.17)			
	physical condition 2.10 (1.24)			
	Services:			
	hospitalizations 1.48 (1.59)			
	days hospitalized 55.33 (84.32)			
CL ADIZINIO004				
CLARKIN2004				
Study Type: RCT	n= 90	Data Used	Group 1 N= 31	Study quality 1+
Study Description: Treatment defined as: 50	Age: Mean 31	Leaving treatment early for any reason	Transference Focused Therapy - Highly	Study funded by grants from
			Transference Focused Therapy - Highly	D 1 11 D 11.
weeks of treatment exposure that could take	-	Data Not Used	structured, individual twice wkly treatment	Borderline Personality
place over a time period of upto 13.5 months	Sex: 6 males 84 females	AAI - Resolution of Trauma	structured, individual twice wkly treatment for 45 mins/session. Focuses on	Disorder Research
place over a time period of upto 13.5 months	Sex: 6 males 84 females Diagnosis:		structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal)	
place over a time period of upto 13.5 months Type of Analysis: Completers analysis	Sex: 6 males 84 females	AAI - Resolution of Trauma	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I	AAI - Resolution of Trauma AAI - Resolution of Loss	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis	Sex: 6 males 84 females Diagnosis:	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised.	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention Duration (days): Mean 365	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly videotaped their sessions and received group	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised. Group 2 N= 29	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention Duration (days): Mean 365 Setting: COUNTRY:US	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly videotaped their sessions and received group supervision weekly with experts in the field.	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised. Group 2 N=29 DBT - DBT- manualised CBT with 2	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention Duration (days): Mean 365 Setting: COUNTRY:US Mixed sample recruited from range of settings	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I 77% Mood disorder	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly videotaped their sessions and received group	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised. Group 2 N= 29 DBT - DBT- manualised CBT with 2 components, a) individual therapy once a	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention Duration (days): Mean 365 Setting: COUNTRY:US Mixed sample recruited from range of settings Notes: RANDOMISATION: Simple	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I 77% Mood disorder	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly videotaped their sessions and received group supervision weekly with experts in the field.	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised. Group 2 N= 29 DBT - DBT- manualised CBT with 2 components, a) individual therapy once a week for 60mins b) group skills training, weekly for 2.5hrs. Emergency telephone	Disorder Research
place over a time period of upto 13.5 months Type of Analysis: Completers analysis Blindness: No mention Duration (days): Mean 365 Setting: COUNTRY:US Mixed sample recruited from range of settings Notes: RANDOMISATION: Simple randomisation carried out by an independent	Sex: 6 males 84 females Diagnosis: 100% BPD by SCID-I 77% Mood disorder 48% Anxiety disorder	AAI - Resolution of Trauma AAI - Resolution of Loss AAI - Coherance AAI - Reflective Function Notes: Therapists delivering treatment regularly videotaped their sessions and received group supervision weekly with experts in the field.	structured, individual twice wkly treatment for 45 mins/session. Focuses on containment of acting out (parasuicidal) behv & identification of dominant relational patterns. Unclear if treatment manualised. Group 2 N= 29 DBT - DBT- manualised CBT with 2 components, a) individual therapy once a week for 60mins b) group skills training, weekly for 2.5hrs. Emergency telephone contact and individual sessions	Disorder Research
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clinicians via new & existing pts referred to CMHTS, clinical psych. & liaison psychiatry services.125 referred to study, 15 did not meet entry criteria. 2 refused randomisation, & 2 others could not be contacted after initial assmt.

- Existence of an organic illness, mental impairment, alcohol or drug dependence, schizophrenia, or bipolar affective disorder - defined by SCID I
- Under age 18 or over age 65
- Meeting less than 5 criteria for BPD SCID-II
- No episode of deliberate self-harm in previous 12 months
- Unable to provide informed consent

Notes: ETHNICITY: White 100%

Baseline:

CBT+TAU TAU

Index

YSQ

Suicidal acts

Notes: Outcomes extracted at 12 and 24 months

Study funded by grant from Wellcome Trust

results from this paper.

Internal validity:

DRAFT FOR CONSULTATION				
1.1 Well covered 1.6 Not applicab 1.2 Well covered 1.7 Well covere 1.3 Adequately addressed 1.8 Not applicabl 1.4 Not applicable 1.9 Not addressed 1.5 147/194 76% and 51/170 30%completed	nd 1.11 Not addressed ble 1.12 Not addressed ed 1.13 Not addressed			
DOLAN1997				
Study Type: cohort study	n= 137	Data Used	Group 1 N= 70	SIGN 2+
out y type continues	Age:	BSI (self report)	Therapeutic community	
Blindness:	Sex:	Notes: BSI scores are mean change from referral	Group 2 N= 67	
Duration (days):		to follow-up	Not admitted	
Followup: 1 year	Diagnosis: 72% Dependent by DSM-IIIR			
Info on Screening Process: All referrals between Sept 1990 and Nov 1994 (n=598); 380 completed baseline assessment; 159 returned	64% Histrionic PD by DSM-IIIR			
completed follow-up assessments (54,4% of admitted group and 53.2% of non-admitted	80% Paranoid PD by DSM-IIIR			
group).	63% Avoidant PD by DSM-IIIR			
	63% Schizoaffective disorder by DSM-IIIR			
	67% Passive-aggressive by DSM-IIIR			
	55% Narcisisstic PD by DSM-IIIR			
	81% BPD by DSM-IIIR			
	52% ASPD by DSM-IIIR			
	63% Schizotypal by DSM-IIIR			
	64% Obsessive by DSM-IIIR			
	Exclusions: None			
	Notes: 70 admitted; 67 not admitted; 3 had 1 PD and 8 met criteria for 11. Demographics not given.			
Results from this paper: Internal validity:				
1.1 Well covered 1.6 Not applicable 1.2 Well covered 1.7 Well covered 1.8 Not applicable 1.4 Well covered 1.9 Not addressed 1.5 58% did not complete follow-up asssment	1.11 Not addressed le 1.12 Not addressed ed 1.13 Not addressed			
GABBARD2000				
Study Type: cohort study	n= 216	Data Used	Group 1 N= 216	
Study Description: PD patients monitored at 2 private US hospitals from admission to discharge plus 1 year follow up	Age: Mean 38 Range 18-79 Sex: 72 males 144 females	Bellaks ego function scales Risk Scales GAS	Intensive inpatient treatment - Mean length of stay = 137 days, median = 58 days, range 10-1014	
Type of Analysis: completers	Diagnosis:	BPRS		
Blindness: Open	46% PD NOS by DSM-IIIR			
Duration (days): Mean 137 Range 10-1014	35% BPD by DSM-IIIR			
Followup: 1 year	" 40 PPAET (1 2000)			

DRAFT FOR CONSULTATION				
Setting: US; inpatients	4% Dependent PD by DSM-IIIR			
Info on Screening Process: 617, excluded patients under 18, with IQ<70, without PD, those who dropped out at follow-up, & those	4% Histrionic PD by DSM-IIIR			
with organic brain disorders or psychotic disorders	3% Narcisisstic PD by DSM-IIIR			
	2% Avoidant PD by DSM-IIIR			
	2% OCPD by DSM-IIIR			
	2% Schizotypal by DSM-IIIR			
	1% Passive-aggressive by DSM-IIIR			
	0% ASPD by DSM-IIIR			
	0% Schizoid PD by DSM-IIIR			
	0% Paranoid PD by DSM-IIIR			
	0% Self-defeating by DSM-IIIR			
	Baseline:			
	Mean (SD)			
	GAS 39.66 (6.6)			
	Suicide risk 3.82 (0.9) Substance abuse 3.90 (1.1)			
GIESENBLOO2006				
Study Type: RCT	n= 88	Data Used	Group 1 N= 45	Study Quality 1+
	Age: Mean 31	Leaving treatment early for any reason	Schema Focused Therapy - Treatment	Study funded by research
Type of Analysis: ITT	Sex: 8 males 80 females	WHOQOL	manualised (Young, 1994). Focused on	grant from the Dutch Health Care Insurance Board. The
Blindness: Single blind		Data Not Used	therapeutic r'ship, daily life outside therapy, past (traumatic) experiences.	Dutch National Fund of
Duration (days): Mean 1095	Diagnosis: 100% BPD by SCID-I	Psychopathological & personality factor score Defense Style Questionnaire	Recovery achieved when dysfuntional	Mental Health supported central training of therapists.
Followup: 12, 24 and 36 month		Miskimins Self Goal Discrepancy Scale	schemas no longer control or rule ppts life	central training of therapists.
Setting: COUNTRY: Netherlands Outpatients (4 general CMHTs).	Exclusions: - Under age of 18, over age of 60	Rosenberg Self Esteem Scale	Group 2 N= 43 Transference Focused Therapy - Change	
1 · · · · · ·	- Psychotic disorders - bipolar disorder	YSQ	achieved frm analysing & interpreting	
Notes: RANDOMISATION: stratified across 4 treatment centers. Adaptive biased urn	- dissociative identity disorder	EuroQol thermometer	transference r'ship, focusing on the here	
procedure used. Assessments made by	- antisocial personality disorder - attention-deficit/hyperactivity disorder	BPD Severity Index-IV Notes: Both treatments 50 min sessions twice	&now context. Exploration, confrontation & interpretation used. Recovery achieved	
independent researchers.	- addiction to substance requiring detoxification	weekly. Treatment integrity monitored by means	when good &bad rep of self & others are	
Info on Screening Process: Ppts with BPD referred by therapists at secondary and tertiary	- mental retardation and other psychiatric disorders	of supervision. Randomly selected audiotapes of	integrated & fixed object r'tions are resolved	
CMHTs. No details on numbers screened, but	- BPDSI-IV score less than 20 - Dutch illiteracy	each quarter used for evaluation. Outcomes extracted at 12, 24, 32 months.	ICOUVEU	
power analysis required 45 ppts/grp.	Notes: BPDSI-IV cut off score of 20 also used to discriminate BPD from other PD	, , ,		
	Baseline:			
	SFT TFP BPDSI-IV 33.53 (1.23) 34.37 (1.23)			
	EuroQol Ther 50.00 (3.29) 55.00 (2.72)			
		I		
	WHOQOL 10.33 (0.19) 10.42 (0.09)			i
	WHOQOL 10.33 (0.19) 10.42 (0.09) Psycho&Per 0.36 (0.06) 0.64 (0.13)			
Results from this paper:				

DRAFT FOR CONSULTATION				
1.1 Well covered 1.6 Adequately 1.2 Well covered 1.7 Adequately 1.3 Well covered 1.8 SFT= 27% 1.4 Adequately addressed 1.9 Adequately 1.5 Adequately addressed 1.10 Not applic	addressed TFP= 51% y addressed			
HARLEY2007				
Study Type: cohort study	- n= 49	Data Used	Group 1 N= 10	
Study Description: Naturalistic study, all patients received DBT skills training, some also received individual DBT therapy, rest received non-DBT individual therapy. Type of Analysis: completers	Age: Mean 40 Sex: 4 males 45 females Diagnosis: 100% BPD by SCID-II	PAI Notes: PAI scales used: Depression, Anxiety, Suicide, Nagative Impression Management, Schwartz Outcome, Borderline including Affective instability, Identity diffusion, Nagative relationships and Self-harm.	DBT skills training - Skill groups met once and week and were modelled closely on Linehans DBT skills training manual. In system DBT - Individual DBT was given to patients by therapists located in same hospital as skills DBT group - these	
Blindness: No mention Duration (days): Mean 210	61% Depression by SCID-I		patients received full DBT package. Group 2 N= 16	
Setting: COUNTRY: US; outpatients	27% Bipolar II disorder by SCID-I		DBT skills training - Skill groups met once and week and were modelled closely on Linehans DBT skills training manual.	
Info on Screening Process: 67 patients completed intake procedure. Excluded if did not have BPD diagnosis; were against enrolling in program or had already completed DBT skills training.	22% Eating disorder by SCID-I 39% Post traumatic stress disorder by SCID-I		In system non DBT - Non-DBTindividual therapy was given to patients by therapists located in same hospital as skills DBT group .	
ttalling.	41% Anxiety disorder by SCID-I		Group 3 N= 23 DBT skills training - Skill groups met once	
	12% Substance use disorder by SCID-I		and week and were modelled closely on Linehans DBT skills training manual.	
	Exclusions: 25 participants dropped out - either chose to discontinue or were no longer eligible due to poor attendance.		Out of system non DBT - Non- DBTindividual therapy was given to patients by therapists located outside the hospital that provided skills DBTgroup.	
	Notes: ETHNICITY: 96% Caucasian Baseline: PAI BOR-A 74 (7.9) PAI BOR-1 72 (8.5) PAI BOR-N 76 (8.5) PAI BOR-S 66 (10.9)			
HENGEVELD1996				
Study Type: case series Study Description: Effectiveness of short term group CBT for recurrent suicide attempters	n= 9 Age: Mean 31 Range 21-43 Sex: all females	Data Used BDI SCL-90	Group 1 N= 9 CBT - high frequency group CBT consisting of 8 weekly sessions & 2	
Type of Analysis: ITT Blindness: Open	Diagnosis: 44% Adjustment disorder by DSM-IIIR		booster sessions. Treatment organised as a training course in addition to outpatient treatment.	
Duration (days): Mean 140	11% Impulse control disorder by DSM-IIIR			
Followup: 10 months Setting: NETHERLANDS; outpatients	11% Schizoaffective disorder by DSM-IIIR			
Info on Screening Process: 23, inclusion criteria: female, over 18, multiple presentations to hospital following self-harm, at least 1 prior	11% Dysthymia by DSM-IIIR			
suicide attempt, no current inpatient treatment, no ongoing alcohol abuse	11% Major Depressive Disorder by DSM-IIIR			
	44% BPD by DSM-IIIR			
	11% Histrionic PD by DSM-IIIR			

DIVALLE ON CONSOLIATION				
	22% PD NOS by DSM-IIIR Exclusions: 4 pateints dropped out, 1 was referred for indiv treatment following another suicide attempt, 1 missed several sessions, 2 withdrew from course because they felt they no longer needed it. Baseline: Mean BDI 22.9 SCL-90 231.3			
KOONS2001				
Study Type: RCT Type of Analysis: Completers Blindness: No mention Duration (days): Mean 168 Setting: COUNTRY: US Primary Care Notes: RANDOMISATION: procedure not described. No details on blinding. Info on Screening Process: Ppts recruited through VA primary care clinic, VA counseling centres & other VA medical centres. 56 ppts referred, 17 excluded, 5 unwilling to participate, 4 lacked access to dependable transportation resources. 2 did not meet BPD criteria.28 randomised.	n= 28 Age: Mean 35 Range 21-46 Sex: all females Diagnosis: 100% BPD by DSM-IIIR 25% Substance abuse Exclusions: - Schizophrenia - Bipolar Disorder - Substance dependence - Antisocial Personality Disorder - Male Notes: ETHNICITY: 75% Caucasian, 25% African American Baseline:	Data Used BPD DSM criteria STAXI -Anger In HARS HRSD-24 (Hamilton 1960) BDI BHS Beck Scale for Suicide Ideation Parasuicidal behaviour Data Not Used DES Notes: DBT therapists met regularly with consultants for support. TAU clinicians did not meet regularly. All ppts offered pharmacotherapy Outcomes extracted at 6 months; parasuicidal behaviour from PHI (N over previous 3 months)	Group 1 N=10 DBT - Treatment manualised Individual therapy & group skills training 190 mins per/wk & a therapists' consultation meeting attended wkly. Individual therapists are available btwn sessions for telephone coaching in use of skills to reduce target behvs. Individual therapy - Hierarchy of target behvs monitored on diary card & discussed in each session acc to priority. Behvrl & solution analysis used to replace maladaptive behvs. Group skills training - Aims to teach skills for identifying & regulating emotions, tolerating distress, interacting with others more effectively and living more mindfully Group 2 N=10 TAU - Ppts offered 60 mins of weekly individual therapy with a clinician. Ppts also offered one or more of several supportive & psychoeducational grps. Type of treatment offered was at the therapist's discretion.	Ppts paid \$20 for each of the three assessment: baseline, 3 months and 6 months Study Quality 1+ Study funded by grant from VA Research Advisory Group
Results from this paper: Internal validity:				
1.1 Well covered 1.2 Adequately addressed 1.3 Not addressed 1.4 Not addressed 1.5 Adequately addressed 1.6 Adequately 1.7 Adequately 1.8 DBT N= 3 1.9 Not addressed 1.10 Adequate	raddressed TAU N = 2 (plus 3 others not by group) sed			
LANIUS2003				
Study Type: cohort study	n= 18	Data Used	Group 1 N= 18	
Study Description: descriptive data from women who fulfilled BPD and PTSD criteria and completed 1 year of DBT	Age: Mean 35 Sex: all females Diagnosis:	Employment/schooling Outpatient visits A&E attendance	DBT - no details of DBT given	
Blindness: No mention	100% BPD & PTSD by DSM-IV	In patient psychiatric hospitalisation		
Duration (days): Mean 365	,			
Setting: COUNRTY: Canada; mostly out-patient based	61% Dysthymia by Not reported			
Info on Coronning Dronners none				

Data Used GAS IIP SCL-90	Group 1 N= 132 Psychoanalytic-interactional therapy	
GAS IIP	· .	
1 002-30		
Data Used		Study quality 1+
Self Harm - parasuicidal acts Leaving treatment early for any reason	DD1 - Healthell Handaised (Lineilan	Study supported by grant from the National Institute of
GAS		Mental Health, Bethesda
STAI - Anger	Individual therapy - Directive, problem-	
Psychiatric Inpatient admission Scale for Suicide Ideators Data Not Used	oriented techniques incl. behvrl skill training, contingency management, cognitive modification & exposure to	
Data Not Useo	emotional cues - all balanced with supportive techniques such as reflection, empathy & acceptance Group skills training - Weekly session for 2.5 hrs. Taught interpersonal skills,	
Maintenance in Therapy Survival and Coping Scale - data not reported The Reason for Living Inventory - data not	distress/reality acceptance and emotion regulation skills. Group therapists did not accept telephone calls from ppts, any	
Maintenance in Therapy Survival and Coping Scale - data not reported The Reason for Living Inventory - data not reported BHS - data not reported BDI - data not reported The Treatment History Interview	crisis referred to individual therapist,	
Maintenance in Therapy Survival and Coping Scale - data not reported The Reason for Living Inventory - data not reported BHS - data not reported BDI - data not reported	crisis referred to individual therapist, Group 2 N= 31 TAU - All ppts received alternative	
Maintenance in Therapy Survival and Coping Scale - data not reported The Reason for Living Inventory - data not reported BHS - data not reported BDI - data not reported The Treatment History Interview PHI	crisis referred to individual therapist, Group 2 N= 31	

1.1 Adequately addressed

1.6 Well covered 1.2 Adequately addressed 1.7 Adequately addressed

1.3 Not addressed 1.8 DBT = 31% TAU = 29%

1.4 Adequately addressed 1.5 Well covered

1.9 Not addressed 1.10 Not applicable

LINEHAN1999

Study Type: RCT

Type of Analysis: ITT Blindness: Single blind Duration (days): Mean 365

Followup: 16 month Setting: COUNTRY: US

Outpatients

Notes: RANDOMISATION: Minimization randomisation procedure used - ppts matched on age, severity of drug dependence, readiness to change & global adjustment.

Info on Screening Process: Ppts referred by clinicians. No details on numbers screened.

n = 28

Age: Mean 30 Range 18-45

Sex: all females

Diagnosis:

100% BPD by SCID-I

74% Substance use disorder by SCID-I

58% Cocaine abuse/dependence by SCID-I

52% Alcohol dependence by SCID-I

50% Major Depressive Disorder by SCID-I

38% Post traumatic stress disorder by SCID-I

12% ASPD by SCID-I

46% Dysthymia by SCID-I

36% Panic disorder by SCID-I

9% Agoraphobia without panic by SCID-I

22% Social Phobia by SCID-I

20% Specific Phobia by SCID-I

28% Obsessive compulsive disorder by SCID-I

24% General Anxiety Disorder by SCID-I

9% Anorexia Nervosa by SCID-I

10% Bulimia Nervosa by ICD-9

20% Binge-eating Disorder by SCID-I

Exclusions: - Schizophrenia

- Any psychotic disorder
- Bipolar disorder
- mental retardation

Notes: International Personality Disorders Exam also used

to determin BPD diagnosis

ETHNICITY: European 78%, African American 7%, Latin

4%, other 11%

Baseline: none reported

Data Used

Leaving treatment early for any reason

% of days drug/alcohol free

GAS

% of urinanalysis clean

Data Not Used

Parasuicidal behaviour - Not extractable

GSA - not a validated measure

Social History Interview

The Treatment History Interview

Notes: Outcomes extracted at 12 and 16 months: parasuicidal behaviour collected with PHI

Group 1 N= 12

DBT - Modified for use with substance abusing pop i.e.replacing drug use with behavioural skills. 4mths drug maintenance, 4mths drug tapering (for skills acquisition) & 4mths no drug replacement (for skills generalisation). Opiates replaced with methadone.

Individual therapy - Sessions based on clearly prioritized targets and focus on enhancing motivation (e.g. to guit using drugs and to continue therapy) and foci of specific sessions determined by ppts behy since previous session.

Group skills training - Teaches mindfulness, distress tolerance, emotion regulation, interpersonal effectiveness and self-management skills.

STEPPS - Follows Linehan's 1993 treatment manual. Weekly individual psychotherapy (1 hour) group training skills (2 hours + 15 min window). Skills coaching phone calls with therapist provided when needed

Group 2 N= 16

TAU - Resembles standard care that ppts would receive in the community. Ppts either referred to alternative substance abuse or mental health consellors & programs in the community or allowed to continue with their psychotherapist at time of pretreatment

STEPPS - Ppts also allowed to meet with case managers when needed.

Study quality 1+ Study supported by grant from National Institute of Drug Abuse, Bethesda

DRAFT FOR CONSULTATION Internal validity: 1.1 Well covered 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Adequately addressed 1.3 Not addressed 1.8 DBT = 41.6% TAU = 16% 1.4 Adequately addressed 1.9 Adequately addressed 1.5 Adequately addressed 1.10 Not applicable LINEHAN2002 Study Type: RCT Type of Analysis: ITT Blindness: Single blind Duration (days): Mean 365 Followup: 16 month Setting: COUNTRY: US Outpatients Notes: RANDOMISATION: Minimization random assignment - ppts matched on severity of drug dependence, cocaine dep, ASPD & global adjustment. Info on Screening Process: Ppts recruited from mental health clinics, needle exchange

programs, substance abuse and methadone maintenance clinics & non-profit HIV/AIDS prevention programs. 64 ppts underwent screening interview, 24 accepted into study.

n= 23

Age: Mean 36 Sex: all females

Diagnosis:

100% BPD by SCID-II

52% Cocaine abuse/dependence

13% Sedative dependence

26% Alcohol dependence

9% Canabis dependence

39% Major Depressive Disorder

18% Eating disorder

52% Anxiety disorder

44% ASPD

Exclusions: - not meeting criteria of BPD

- bipolar mood disorder

- pregnant

- not completing pre-treatment/medical evaluation

Notes: Personality Disorders Exam also used to determine diagnosis of BPD

ETHNICITY: Caucasian 66%. African American 26%. Mixed ethinicity 4%.

Baseline:

Average GAF score for both groups 43.2 (8.36).

Data Used

Leaving treatment early for any reason Mean % clean urinanlyses

Abstinence: Self report mean days of heroin

Data Not Used

Parasuicidal behaviour - No data by treatment group

Notes: Urine samples collected 3 times weekly prior to each treatment session and/or when ppts received LAAM.

Group 1 N= 11

DBT - Treatment manualised (Linehan 1993) & adapted for substance abusers. Individual therapy - Targetted dsyfunctional behvs in hierarchical order (suicidal, therapy-interfering, substance use and QofL interfering behys) & replacing those behvs with skillful behvs learnt in psychoeducational skills group. Group skills training - Teaches mindfulness, interpersonal effectiveness,

distress tolerance and emotion regulation. Opiate Replacement medication - All ppts received Levomethadyl acetate hydrochloride (LAAM) oral solution 40mg. During the first 2 weeks dose increased in 5-10mg increments per dose every 48hrs until reaching a maintenance dose (modal dose 90/90/130mg), Dose adjusted if necessary.

Group 2 N= 12

CVT - Treatment inc all DBT acceptancebased strategies, inc validation, reciprocal communication & case management when requested. Therapists are non directive, agenda determined by ppt. Prob solving limited to reducing suicide risk & ensuring med adherance.

12 step - Validates the ppt experience in a warm & supportive atmosphere that encourages devt of confidence. Ppts attend 120min women's Narcotics Anonymous meeting.

Study Quality 1+ Study supported by grant from National Institute of Drug Abuse, National Institute of Health. Roxane Laboratories, Inc. donated Methadone and ORLAAM.

Results from this paper: Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Adequately addressed 1.8 DBT = 36% CVT+12 step = 0% 1.3 Not reported

1.4 Adequately addressed 1.9 Well covered

1.10 Not applicable

1.5 Adequately addressed LINEHAN2006

Study Type: RCT

Blindness: Single blind Duration (days): Mean 365

Followup: 12 months

n= 101

Age: Mean 29 Sex: all females

Diagnosis: 100% BPD by DSM-IV

Data Used

Admissions for suicidal ideation Leaving treatment early for any reason Non suicidal injuries Unambivalent suicide attempts

Group 1 N= 60

DBT - Treatment manualised (Linehan's 1993). Individual psychotherapy 1hr per/wk. Grp skills training 2.5hrs/wk.Telephone consultation (as needed within therapists limits to ensure Study Quality 1+ Study supported by 2 grants from the National Institute of Mental Health

University outpatient and community practice Notes: RANDOMISATION: Computerised adaptive minimization randomisation procedure - ppts matched to treatment condition. Investigator blinded. Info on Screening Process: Ppts were women clinically referred for treatment. 186 women assessed for eligibility, 75 excluded (53 did not meet inclusion criteria, 22 refused to participate), 111 randomised.

72% Major Depressive Disorder by DSM-IV

41% Panic disorder by DSM-IV

50% Post traumatic stress disorder by DSM-IV

78% Anxiety disorder by DSM-IV

30% Substance use disorder by DSM-IV

24% Eating disorder by DSM-IV

8% Depression by DSM-IV

11% ASPD by DSM-IV

11% Cluster B by DSM-IV

Exclusions: - less than 2 suicidal attempts or self-injuries in past 5 yrs

- lifetime diagnosis of Schizophrenia
- schizoaffective disorder
- bipolar disorder
- psychotic disorder
- mental retardation
- seizure disorder requiring medication
- mandate to treatment
- need for primary treatment for another debilitating condition

Notes: International Personality Disorder Examination also used to screen ppts with BPD. ETHNICITY: 4% African American, 2% Asian American,

1% Native American/Alaskan, 5% 'other' 88% White

Baseline:

DBT CTBE Suicide ideation 51.7 (20.3) 59.9 (21.6) Reasons for living 2.8 (0.7) Inventory Mean 2.7 (0.9) Survival & Coping 2.7 (0.9) 2.7 (1.0) HDRS-17 20.2 (5.9) 21.7 (7.3) Highest medical risk 7.1 (4.9) 8.8 (4.9)

Psychiatric Inpatient admission

A&E attendance

HRSD-17

Data Not Used

The Reasons for Living Inventory survival & coping

The Reasons for Living Inventory mean total Suicide Ideation

Highest Medical Risk

Notes: Outcomes extracted at 12 and 24 months

generalisation.

Group 2 N= 51

CTBE - Community treatment by experts developed especially for this study. Similar to TAU, treatment provided uncontrolled by research team. Therapists asked to provide dose & type of therapy that they felt most suitable for ppt. Min schedule of 1 session/wk.

Results from this paper:

Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Adequately addressed

1.3 Not addressed 1.8 DBT = 11.5% CTBE = 28.6%

1.4 Not addressed 1.9 Not addressed

LOFFLERSTASTKA2003

Study Type: case control

1.5 Adequately addressed

Study Description: All patients received 6 wk inpatient treatment, following this 9 patients who engaged in further outpatient treatment were compared to 11 who did not

Blindness: Open

Followup: 1 year

Duration (days): Mean 42

n= 20

1.10 Not applicable

Age: Mean 38

Sex: 10 males 10 females

Diagnosis:

100% BPD by DSM-IV

Exclusions: 20 patients received 6 wk inpatient therapy, 11 (8 male, 3 female) did not engage in further outpatient

Data Used

Quaire for competence & control convictions Quaire for assessing aggression factors

IΙΡ STAXI Group 1 N= 11

Psychoanalytically-oriented therapy inpatient - 6 wks inpatient therapy with aim of clarifying, planning & preparing patients for outpatient therapy

DRAFT FOR CONSULTATION				
Setting: Inpatient/outpatient Info on Screening Process: 57 people screened, excl criteria: operational psychodynamic diagnostics rating of high/nonexisting treatment requirements or high/moderate integrated structural level; or substance abuse, or other comorbid disorder	treatment		Group 2 N= 5 Psychoanalytically-oriented therapy inpatient - 6 wks inpatient therapy with aim of clarifying, planning & preparing patients for outpatient therapy Psychoanalytically-oriented therapy outpatient - engaged in outpatient therapy for 1 year Group 3 N= 4 Psychoanalytically-oriented therapy inpatient - 6 wks inpatient therapy with aim of clarifying, planning & preparing patients for outpatient therapy Systemic family therapy - enaged in outpatient therapy for 1 year	
LOPEZ2004				
Study Type: non-comparative Study Description: BPD patients were given 48 sessions of manual based transference-focused psychotherapy by inexperienced therapists who were supervised by experts Type of Analysis: completers Blindness: Open Duration (days): Mean 168 Setting: MEXICO; outpatients Info on Screening Process: Inclusion criteria: 18-40 years, diagnosis of BPD, graduated from high school, no diagnosis of schizophrenia, bipolar disorder, delusional disorder, severe substance abuse, mental organic disorder or	n= 14 Age: Mean 25 Sex: all females Diagnosis: 100% BPD by SCID-I and II (DSM-IV) Exclusions: 4 participants dropped out due to severe conflicts with parents Baseline: Mean (SD) SCL-90 2.14 (1.0) GAF 37.1 (18.9)	Data Used GAF SCL-90	Group 1 N= 14 Transference Focused Therapy - 48 sessions of transference-focused psychotherapy based on a manual were delivered in two weekly individual sessions by 7 inexperienced therapists supervised by experts.	
antisocial disorder.				
MARKOWITZ2006				
Study Type: case series Study Description: very preliminary outcomes of IPT developed for BPD Type of Analysis: completers Blindness: Open Duration (days): Mean 240 Setting: US	n= 8 Age: Sex: Diagnosis: 100% BPD by Diagnostic Interview for PD Exclusions: 2 dropped out due to substance abuse/dependence, 1 was withdrawn due to suicidality	Data Used SCL-90 HRSD-17 (Hamilton 1960)	Group 1 N= 8 IPT - IPT adapted for BPD, 18 sessions of IPT in 16-wks plus 16 weekly continuation sessions	
MCQUILLAN2005				
Study Type: cohort study	n= 127	Data Used	Group 1 N= 87	There are disparities
Study Description: Reports symtom scores before and after 3 week intensive DBT program. Type of Analysis: completers Blindness: No mention Duration (days): Mean 21 Setting: COUNTRY: Switzerland; outpatient unit/crisis centre - patients can voluntarily spend max of 2 nights at centre. Info on Screening Process: 127 people referred	Age: Mean 31 Range 18-52 Sex: 24 males 103 females Diagnosis: 100% Personality Disorder by International PD Examination Screening Qu'aire 92% BPD by International PD Examination Screening Qu'aire Exclusions: Of 87 patients admitted to program, 16 dropped	SASS BHS BDI Mean	DBT - Intensive 3 week DBT - 13hrs group therapy per week plus individual sessions and telephone contact with therapists.	between numbers of patients reported in the methods and those reported in the results - 6 patients are unaccounted for in the results.
	<u>I</u>			

to program by physician, participants excluded out - 5 due to hospitalization, reasons for others not reported. if principal problem was psychotic, bipolar, Notes: ETHNICITY: not reported: Participant details developmental, substance dependence, or reported for 127 patients referred to program, after eating disorder. Most suicidal patients were assessment 87 of these were admitted to the program and preferentially offered admission. 71 completed the program. Baseline: BDI 29.1 (11.3) BHS 10.4 (4.9) SASS 32.1 (8.6) **MUNROEBLUM1995** Study Type: RCT Group 1 N= 38 n= 110 Data Used Study quality 1+ Study supported by grants Leaving treatment early for any reason Age: Range 18-52 Interpersonal group therapy (IGP) -Type of Analysis: Completers analysis from the Ontario Mental Data Not Used Manual guided 30 sessions of treatment Sex: 21 males 89 females Health Foundation and the HSCL-90 - Only between group statistics giver (25 weekly sessions followed by 5 Blindness: No mention National Health Research biweekly sessions leading to termination). Diagnosis: BDI - Only between group statistics given Duration (days): Mean 365 and Development Each session 1.5-2hrs, Addresses 100% BPD by DIB Social Adjustment Scale - Only between group Programme conflicted unstable & poorly defined self-Followup: 12 and 24 month statistics given system dependent on here & now Setting: COUNRTY: Canada Exclusions: - Learning difficulty Objective Behaviours Index - Scale developed interpersonal transactions Outpatients and inpatients - neurological impairment for study Group 2 N= 41 mental retardation Notes: Outcomes taken as baseline, 6, 12, 18 Notes: RANDOMISATION: procedure not Individual dynamic psychotherapy (IDP) primary diagnosis of alcohol or drug addiction and 24 month follow up. described. No details on blinding. Consisted of open-ended individual physical disorders of known psychiatric consequence Info on Screening Process: 110 eligible ppts dynamic psychotherapy based on model Notes: ETHNICITY: No data recuited from the in and out patient units of by Kernberg 1975. Individual sessions teaching hospitals, 79 accepted treatment took place one or twice weekly. All Baseline: none reported assignment sessions audiotaped. Therapists used strategies of interpretation, confrontation and exploration. Results from this paper: Internal validity: 1.1 Adequately addressed 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Poorly addressed 1.3 Not addressed 1.8 IDP = 36.5% IGP = 57.8% 1.4 Not addressed 1.9 Adquately addressed 1.5 Adequately addressed 1.10 Not applicable NORDAHL2005 Study Type: case series Data Used Group 1 N= 6 n= 6 YSQ Age: Mean 26 Range 19-42 Schema therapy - 1hr weekly session for Study Description: case series assessing IIP mean of 22 months (range 18-36), effectiveness of schema therapy in 6 BPD Sex: all females treatment was faded at least 6 months by BAI Diagnosis: the end of therapy. BDI Type of Analysis: completers 100% BPD by DSM-IV SCL-90-R Blindness: Open Duration (days): Range 540-1080 67% Major Depressive Disorder by DSM-IV Followup: 1 year 33% Dysthymia by DSM-IV Setting: NORWAY; outpatients 33% Bulimia Nervosa by DSM-IV 50% Anxiety disorder by DSM-IV 17% Alcohol misuse by DSM-IV 33% Somatoform disorder by DSM-IV

RAFT FOR CONSULTATION				
	33% Avoidant PD by DSM-IV			
	17% Dependent PD by DSM-IV			
	17% Histrionic PD by DSM-IV			
PRENDERGAST2007				
Study Type: cohort study	n= 11	Data Used	Group 1 N= 16	
Study Description: 6 month DBT treatment outcomes described for 11 women with BPD	Age: Mean 36 Range 23-47 Sex: all females	Service Contact Parasuicidal behaviour	DBT - Treatment involved 24 weekly 60- 90min sessions of individual	
Type of Analysis: completers	Diagnosis:	Coping Scale for Adults	psychotherapy & 24 weekly 150min sessions of group therapy, also telephone	
Blindness: Open	100% BPD by DSM-IV	GAF STAXI	support outside clinic hours.	
Duration (days): Mean 180	,, ,	Hospitalisation days		
	45% Dysthymia by DSM-IV	Hospital admissions		
Setting: COUNTRY: Australia; community setting		BDI		
	18% Major Depressive Disorder by DSM-IV	Notes: Subscale scores for STAXI and Coping		
Info on Screening Process: Ppts recruited from alternative community services and GPs. Ppts excluded if they did not have BPD diagnosis,	9% Post traumatic stress disorder by DSM-IV	Scale for Adults provided. Frequency, severity and intent information provided for Parasuicidal behaviour. Number, duration and type of contact		
<18 years, male, experiencing current psychotic episode or could not abstain from alcohol or drugs 24hrs prior to therapy sessions.	Exclusions: 5 women did not complete study, 1 due to psychotic symptoms; 2 due to environmental stressors & long term hospitalisation; 2 excluded due to failure to comply in program.	given for Service Contact measure.		
	Notes: ETHNICITY: not reported; 16 women were accepted onto DBT program but only details of 11 completing participants were given.			
	Baseline: BDI 36.18 (10.72)			
RYLE2000				
Study Type: cohort study	n= 27	Data Used	Group 1 N= 39	
Study Description: 24-sessions CAT & 4 follow-	Age: Mean 34	Social Questionnaire	Cognitive analytic therapy - All patients	
up sessions over 1 year. Assessed 6 months after therapy & divided into improved &	Sex: 11 males 16 females	SCL-90-R	recived 24 sessions of CAT plus 4 follow up sessions over approx 1 year, 6m after	
unimproved groups, followed-up 18m later	Diagnosis:	BDI Mean	therapy divided into improved (14) &	
Type of Analysis: completers	100% BPD by Personality Assessment Schedule		unimproved (13) & these sets of patients compared on no. different factors	
Blindness: Open			compared on no. different factors	
Duration (days): Mean 365	Exclusions: 2 removed from sample after therapy when retrospective diagnositc assessment failed to confirm			
Followup: 18 months	diagnosis, 3 referred for treatment of substance abuse, 1			
Setting: UK; outpatients	admitted for inpatient care, 2 moved away, & 4 dropped out before completion of therapy. 27 patients left attended			
Setting. OK, outpatients	6month follow-up and 18 attended 18 month follow-up			
	Baseline: Mean (SD)			
	BDI 29.7 (12.14)			
	IIP 2.16 (0.56)			
	SCL-90-R 1.92 (0.79) SQ 33.22 (18.29)			
TURNER2000				
Study Type: RCT	n= 24	Data Used	Group 1 N= 12	19 ppts taking psycotropic
Type of Analysis: ITT	Age: Mean 22 Range 18-27	Leaving treatment early for any reason	DBT - Based on Linehan's 1993	medication at the beginning of the study
1. ypo 51.7 titalysis. 11.1	Sex: 5 males 19 females	In patient psychiatric hospitalisation BAI	treatment manual. Psychodynamic techniques incorporated to conceptualize	Study Quality 1+

Blindness: Single blind Diagnosis: HRSD-24 (Hamilton 1960) ppts behvrl, emotional, & cognitive r'ship schema. Skills training given in indvl 100% BPD by DIB BDI Duration (days): Mean 365 therapy & not via separate workshop. Suicide/self harm attempts Group 2 N= 12 Setting: COUNTRY:US 71% General Anxiety Disorder Beck Scale for Suicide Ideation Outpatients Client Centred therapy - 2 X wk. Data Not Used Emphasizes empathic understanding of Notes: RANDOMISATION: procedure not Hospitalisation days 12% Major Depressive Disorder ppts sense of aloneness & providing a described. Assessments conducted by BPRS supportive atmosphere for individuation & independent researcher unaware of ppts 12% Dysthymia Rating of Anger relapse prevention in a safe therapeutic treatment condition but aware of study purpose Rating of impulsiveness envt. Therapist aided ppts to use self Info on Screening Process: 64ppts referred & control & reflection to reduce stress. Rating of parasuicide - not clearly defined 75% Alcohol abuse evaluated, 33 ppts met criteria for BPD, 9 ppts Notes: NB: number of suicide attempts/self harm withdrew or had to be withdrawn during the attempts are self-report and no formal definition intake process, 4 dropped out during pre-test, 3 83% Substance abuse provided. required inpatient drug & alcohol treatment. 2 Outcomes extracted at 12 months withdrew after treatment assignment. 8% ASPD 4% Obsessive compulsive disorder 25% Histrionic PD 12% SPD Exclusions: - Schizophrenia - schizoaffective disorder - bipolar disorder organic mental disorders - mental retardation Notes: International Personality Disorders Examination also used to determine BPD diagnosis ETHNICITY: 76.2% Caucasian, 17% African American, 4% Asian American Baseline: CCT DBT Rating of parasuicide 7.25 (0.75) 7.17 (0.83) BSIS 23.53 (3.34) 24.08 (3.73) No.of suicide attempts 13.58 (3.34) 14.08 (3.73) Rating of Impulsiveness 7.58 (0.51) 7.42 (0.51) Rating of Anger 7.08 (0.90) 7.33 (0.65) BDI 27.75 (6.11) 27.58 (5.30) HRSD 17.42 (4.46) 20.75 (4.33) BAI 20.42 (3.45) 19.25 (3.55) **BPRS** 30.83 (6.00) 30.33 (6.56) Hospitalization days 10.00 (8.11) 10.20 (3.37) Results from this paper: Internal validity: 1.1 Adequately addressed 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Well covered 1.8 DBT= 33% CCT = 50% 1.3 Not addressed 1.4 Adequately addressed 1.9 Well covered 1.5 Adequately addressed 1.10 Not applicable TYRER2003 Study Type: RCT Data Used SIGN 1++ n = 70Group 1 N= 34 HADS anxiety scale MACT - Up to 5 sessions in 3 months Age: Blindness: GAF from index self-harm episode + 2 optional Sex: booster sessions within 6 months: MADRS Duration (days): evaluation of self-harm attempt, crisis Diagnosis: Parasuicidal behaviour skills, problem solving, basic cognitive 100% BPD by Not reported Setting: A&E following self-harm episode; UK **Data Not Used** techniques to manage emotions & -ve

PRAFT FOR CONSULTATION			.	,
telephone randomising system, stratified by hospital and parasuicide risk status	Exclusions: Insufficient English, temporary residence in the area concerned, ICD-10 diagnosis code organic F.0, alchool and drug dependence F1x.2, schizophrenia F.2, bipolar F31, and psychiatric hospitalisation following index episode. Did not have >=1 previous self-harm episode Notes: Only data from those with BPD are used (provided on request from authors)	HADS depression scale - Reports other depression measure	thinking, relapse prevention Group 2 N= 36 TAU - Initial psychiactric assessment followed by psychiatric outpatient care, occasional day-patient care or referral back to GP depending on the arrangements of the hospital; patients already in psychiactric care continued with treatment	
VANDENBOSCH2002				
Study Type: RCT	n= 64	Data Used	Group 1 N= 31	Study Quality 1+
Type of Analysis: ITT	Age: Mean 35 Range 18-70 Sex: all females	Leaving treatment early for any reason Data Not Used Self Harm - parasuicidal acts - data not	DBT - Treatment manualised (Linehan's 1993). 1) weekly individual cognitive-	Study supported by ZAO Health Insurance Company Amsterdam
Blindness: No mention Duration (days): Mean 365	Diagnosis: 100% BPD by SCID-II	extractable LPC - data not extractable	behavioural psychotherapy sessions; 2) weekly skills training for 2-2.5hrs per session; 3) weekly supervision and	
Setting: COUNTRY: Netherlands Outpatients	Exclusions: - Bipolar disorder	BPD Severity Index - rating scale excluded Notes: NB: LPC does not provide a count of the	consultation meetings for the therapist; 4) phone consultation Individual therapy - Focus primarily on	
Notes: RANDOMISATION: Minimisation randomisation used to ensure comparability of two grps by age, alcohol & social problems. No description of blinding.	- (chronic) psychotic disorder - insufficient command of Dutch language - severe cognitive impairements - living outside of the 40km circle centred on Amsterdam	number of episodes/acts of parasuicide or self mutilation. Outcomes extracted at 12 months	motivational issues, including motivation to stay alive and to stay in treatment. Group skills training - Teaches self-	
Info on Screening Process: Ppts recruited from both substance abuse treatment centers and psychiatric services.	Notes: Personality Diagnostic questionnaire also used to determine diagnosis of BPD. ETHNICITY: no data. 97% Dutch Nationality		regulation and change skills, and self and other acceptance skills. Group 2 N= 27	
92 ppts referred, 28 exluded, 64 eligible and randomised	Baseline: DBT TAU No of BPD criteria 7.3 (1.3) 7.3 (1.3) ASI suicide attempts 19 22 LPC self-mutilation 25 29		TAU - Clinical management from original referral source (addiction treatment centres & psychiatric services. Ppts generally received no more than 2 sessions/month with a psychologist, a	
	Lifetime self-mutilation acts, median 13.1 14.4 Addictive problems 16 16		psychiatrist or a social worker.	
Results from this paper: Internal validity:				
1.1 Well covered 1.6 Adequatel 1.2 Adequately addressed 1.7 Well cove 1.3 Not addressed 1.8 DBT = 37 1.4 Not addressed 1.9 Well cove 1.5 Adequately addressed 1.10 Not applic	ored % TAU = 77% ered			
WARREN2004				
Study Type: cohort study	n= 135	Data Used	Group 1 N= 134	SIGN 2+
Study Description: Prospective, naturalistic study of referrals to Henderson Hospital following up those admitted and those not	Age: Mean 28 Sex: 66 males 69 females	Multiple-Impulsivity Scale EAT-26	Therapeutic community Group 2 N= 74	
admitted	Diagnosis: 58% Dependent by DSM-IIIR		Not admitted	
Blindness: Duration (days):	60% Histrionic PD by DSM-IIIR			
Followup: 1 year after discharge	72% Paranoid PD by DSM-IIIR			
Setting: UK Info on Screening Process: 585 referrals were	66% Avoidant PD by DSM-IIIR			
approached; 384 completed baseline assessment; 104 could not complete follow-up assessment (5 died, 87 uncontactable, 12 re-referred); 145 failed to complete f-u assessment	46% Schizoaffective disorder by DSM-IIIR			

40% Narcissistic by DSM-IIIR 43% Obsessive by DSM-IIIR 41% Passive-aggressive by DSM-IIIR 69% Schizotypal by DSM-IIIR 62% ASPD by DSM-IIIR 84% BPD by DSM-IIIR Exclusions: None Notes: Of those completing f-u assessment 75 admitted, 60 not admitted; 95% > 1 PD diagnosis Results from this paper: Internal validity: 1.1 Well covered 1.6 Not addressed 1.10 Well covered 1.2 Well covered 1.7 Well covered 1.11 Not addressed 1.3 Well covered 1.8 Not applicable 1.12 Not addressed 1.4 Not applicable 1.9 Not applicable 1.13 Adequately addressed 1.5 64% did not complete follow-up assessment WEINBERG2006 Study Type: RCT n = 30Data Used Group 1 N= 15 SIGN: 1+ Suicide Ideation Age: Range 18-40 MACT - Manual-assisted cognitive Type of Analysis: Completer Self-harm treatment for self-harm; 6 sessions Sex: all females Blindness: Single blind incorporating DBT, CBT and Notes: Taken posttreatment & 6 mo f-u; selfbibliotherapy: functional analysis of Diagnosis: harm measured with PHI, data given frequency Duration (days): Mean 56 parasuicide, emotion regulation, problemof self-harm (measurement period unclear); self-100% BPD by DSM-IV Followup: 6 months harm severity also measured bt not extracted; solving, management of -ve thinking & suicidal ideation measured on Suicidal Behavior substance use, relapse prevention Setting: Community and outpatients; US Exclusions: Comorbid psychotic disorders, bipolar I disorder, Q'aire TAU - No details substance dependence, elevated suicide risk Notes: RANDOMISATION: no details Group 2 N= 15 Info on Screening Process: 60 referrals from Baseline: Frequency of self-harm: MACT 9.33 (+-14.78) TAU - No details local press adverts, clinical services of local TAU 8.2 (+-10.46) hospital and from sample used in separate study; screened by phone; 37 invited for further assessment WILBERG1998 Study Type: cohort study n = 43Data Used Group 1 N= 12 Remission from substance use disorder Age: Mean 31 Group Psychotherapy - Group therapy Study Description: Compared treatment at day Suicide attempts conducted in accordance with group unit followed by outpatient group psychotherapy Sex: 10 males 33 females analytic principles, run on co-therapy with patients treated at day unit but without Hospital admissions basis, 1.5hr once a week, received subsequent outpatient therapy Diagnosis: GSI outpatient therapy for average 12 months 100% BPD by DSM-III HSRS Type of Analysis: completes (range 1-33) Blindness: Open Group 2 N= 31 Exclusions: 6 patients lost at follow up, 2 were dead, 4 Duration (days): Mean 365 refused to participate. TAU - did not have any outpatient therapy following treatment at day unit Setting: NORWAY; inpatient followed by Baseline: outpatient **HSRS** GSI Outpatient treatment group 36.9 (5.1) 1.67 (0.48) Info on Screening Process: 179, 62 patients no outpatient treatment group 39.2 (5.1) 1.92 (0.56) had BPD, exclusion criteria; comorb schizotypal PD, day unit stay <3wks

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
ABBASS2008	Only 44% BPD diagnosis (total N = 27) (intenstive short-term dynamic
	psychotherapy vs control)
BALL2007	57% BPD, no data reported for BPD subgroup.
BUDMAN1996	uncontrolled pre-post study with a mixed PD group, high drop out and BPD is not reported separately
CHIESA2004A	Does not focus on efficacy outcomes (therapeutic communities)
COPAS1984	Diagnosis unclear and seems likely not to be borderline personality disorder (therapeutic community: Henderson)
GARA1989	Retrospective data collection (therapeutic communities)
GERAGHTY2003	Retrospective analysis of ethnicity data, no efficacy outcomes (therapeutic communities)
GREGORY2008	Participants were alcohol dependent which is outside the guideline scope (psychodynamic psychotherapy vs TAU)
HUBAND2007	Not 100% BPD (mixed PD population) (problem-solving vs waitlist)
ISOHANNI1990	Not relevant (therapeutic communities)
ISOHANNI1990A	focus is not on post-discharge outcomes (therapeutic communities)
ISOHANNI1992	focus is not on post-discharge outcomes (therapeutic communities)
JEFFREY1985	not a primary research study (therapeutic communities)
JOYCE2007	Not 100% BPD population; data for BPD subgroup requested from authors but not obtained (CBT vs IPT)
KOSTER1988	Dutch study (therapeutic communities)
LYNCH2007	Not 100% BPD
MIZEN1984	desciption only (therapeutic communities)
RATHUS2002	(DBT vs TAU) Non RCT
SPRINGER1996	29.5% BPD (total N = 44) (short-term cognitive-behavioural group
	therapy vs control discussion group)
WEERTMAN2007	Not BPD

References of Included Studies

ALPER2001 (Published Data Only)

Alper, G.; Peterson, S.J. (2001) Dialectical behavior therapy for patients with borderline personality disorder. Journal of Psychosocial Nursing, 39, 38-45.

ANDREAunpub (Unpublished Data Only)

Andrea, H.; Bales, D.; Smits, M. (unpublished) Mentalization based treatment in the Netherlands: Preliminary results.

BARLEY1993 (Published Data Only)

Barley, WilliamD; Buie, StephenE; Peterson, EricW; Hollingsworth, AmandaS; et, al (1993). Development of an inpatient cognitive-behavioral treatment program for borderline personality disorder. Journal of Personality Disorders, 7, 232-240.

BATEMAN1999 (Published Data Only)

Bateman, A., Fonagy, P. 8-year follow--up of patients treated for borderline personality disorder - mentalization based treatment versus treatment as usual. Submitted.

*Bateman, A. & Fonagy, P. (1999). Effectiveness of partial hospitalization in the treatment of borderline personality disorder: a randomized controlled trial.[see comment]. American Journal of Psychiatry., 156, 1563-1569.

BELLINO2005 (Published Data Only)

Bellino, S.; Zizza, M.; Di, Lorenzo R; Rinaldi, C.; Bogetto, F. (2005). Combined therapy with interpersonal psychotherapy of major depressed patients: Comparison between patients with borderline personality disorder and patients with other personality disorders. Giornale Italiano di Psicopatologia, 11, 157-164.

BLUM2002 (Published Data Only)

Blum, N.; Pfohl, B.; St., John D.; Monahan, P.; Black, D.W. (2002) STEPPS: A cognitive-behavioral systems-based group treatment for outpatients with borderline personality disorder - A preliminary report. Comprehensive Psychiatry, 43, 301-310.

BLUM2008 (Unpublished and Published Data)

Blum, N., St John, D., Pfohl, B., Stuart, S., McCormick, B., Allen, J., Arndt, S., Black, D.W. 2008. Systems training for emotional predictability and problem solving (STEPPS) for outpatients with borderline personality disorder: a randomised controlled trial and 1-year follow-up. American Journal of Psychiatry,

BOHUS2004 (Published Data Only)

Bohus, M., Haaf, B., Simms, T., Limberger, M. F., Schmahl, C., Unckel, C. et al. (2004). Effectiveness of inpatient dialectical behavioral therapy for borderline personality disorder: a controlled trial. Behaviour Research & Therapy., 42, 487-499.

BROWN2004 (Published Data Only)

Brown,G.K.; Newman,C.F.; Charlesworth,S.E.; Crits-Christoph,P.; Beck,A.T. (2004) An open clinical trial of cognitive therapy for borderline personality disorder. Journal of Personality Disorders, 18, 257-271

CARTER unpub (Unpublished Data Only)

Carter, G. Hunter Dialectical Behaviur Therapy Project. Unpublished report.

CHIESA2000 (Published Data Only)

Chiesa, M.; Fonagy, P.; Holmes, J. 2003. When less is more: An exploration of psychoanalytically oriented hospital-based treatment for severe personality disorder. International Journal of Psycho-Analysis 84 (3): 637-650.

*Chiesa, M.; Fonagy, P. 2000. Cassel Personality Disorder Study. Methodology and treatment effects. British Journal of Psychiatry 176: 485-491

CHIESA2004 (Published Data Only)

Chiesa, M.; Fonagy, P.; Holmes, J. 2006. Six-year follow-up of three treatment programs to personality disorder. Journal of Personality Disorders. 20(5): 493-509.

*Chiesa,M.; Fonagy,P.; Holmes,J.; Drahorad,C. 2004 Residential versus community treatment of personality disorders: a comparative study of three treatment programs. American Journal of Psychiatry. 161 (8): 1463-1470

CHIESA2007 (Published Data Only)

Chiesa, M.; Fonagy, P. 2007. Prediction of medium-term outcome in cluster B personality disorder following residential and outpatient psychosocial treatment. Psychother. Psychosom. 76 (6): 347-353

CLARKIN2001 (Published Data Only)

Clarkin, J.F.; Foelsch, P.A.; Levy, K.N.; Hull, J.W.; Delaney, J.C.; Kernberg, O.F. (2001) The development of a psychodynamic treatment for patients with borderline personality disorder: a preliminary study of behavioral change. Journal of Personality Disorders, 15, 487-495.

CLARKIN2004 (Published Data Only)

Levy, K. N., Meehan, K. B., Kelly, K. M., Reynoso, J. S., Weber, M., Clarkin, J. F. et al. (2006). Change in attachment patterns and reflective function in a randomized control trial of transference-focused psychotherapy for borderline personality disorder. Journal of Consulting & Clinical Psychology., 74.

Clarkin, J. F., Levy, K. N., Lenzenweger, M. F., & Kernberg, O. F. (2007). Evaluating three threatments for Borderline Personality Disorder A multiwave study. American Journal of Psychiatry, 164 *Clarkin, J. F., Levy, K. N., Lenzenweger, M. F., & Kernberg, O. F. (2004). The Personality Disorders Institute/Borderline Personality Disorder Research Foundation randomized control trial for borderline personality disorder: rationale, methods, and patient characteristics. Journal of Personality Disorders., 18, 52-72.

CUNNINGHAM2004 (Published Data Only)

Cunningham, K.; Wolbert, R.; Lillie, B. (2004). It's about me solving my problems: Clients' assessments of dialectical behavior therapy. Cognitive and Behavioral Practice 11, 248-256.

DAVIDSON2005 (Published Data Only)

Davidson, K., Norrie, J., Tyrer, P., Gumley, A., Tata, P., Murray, H. et al. (2006). The effectiveness of cognitive behavior therapy for borderline personality disorder: results from the borderline personality disorder study of cognitive therapy (BOSCOT) trial. Journal of Personality Disorders., 20 (5) 450-465

DAVIES1999 (Published Data Only)

Davies, S.; Campling, P. 2003. Therapeutic community treatment of personality disorder: service use and mortality over 3 years' follow-up. British Journal of Psychiatry - Supplementum. 44: S24-S27 *Davies, S., Campling, P., Ryan, K. 1999. Therapeutic community provision at regional and district levels. Psychiatric Bulletin, 23 (2): 79-83.

DOLAN1992 (Published Data Only)

Dolan, B.M.; Evans, C.; Wilson, J. 1992. Therapeutic community treatment for personality disordered adults: changes in neurotic symptomatology on follow-up. International Journal of Social Psychiatry. 38 (4): 243-250.

DOLAN1997 (Published Data Only)

Dolan, B.; Warren, F.; Norton, K. 1997. Change in borderline symptoms one year after therapeutic community treatment for severe personality disorder. British Journal of Psychiatry. 171: 274-279.

GABBARD2000 (Published Data Only)

Gabbard, G.O.; Coyne, L.; Allen, J.G.; Spohn, H.; Colson, D.B.; Vary, M. (2000). Evaluation of intensive inpatient treatment of patients with severe personality disorders. Psychiatric Services, 51, 893-898.

GIESENBLOO2006 (Published Data Only)

Spinhoven, P., Giesen-Bloo, J., van Dyck, R., Kooiman, K., & Arntz, A. (2007). The therapeutic alliance in schema-focused therapy and transference-focused psychotherapy for borderline personality disorder. J Consult Clin.Psychol., 75, 104-115.

Giesen-Bloo, J., Van, D., Spinhoven, P., van, T., Dirksen, C., van, A. et al. (2006). Outpatient psychotherapy for borderline personality disorder: randomized trial of schema-focused therapy vs transference-focused psychotherapy. [erratum appears in Arch Gen Psychiatry. 2006 Sep;63(9):1008]. Archives of General Psychiatry., 63, 649-658.

HARLEY2007 (Published Data Only)

Harley,R.M.; Baity,M.R.; Blais,M.A.; Jacobo,M.C. (2007) Use of dialectical behavior therapy skills training for borderline personality disorder in a naturalistic setting. Psychotherapy Research, 17, 351-358.

HENGEVELD1996 (Published Data Only)

Hengeveld, M.W.; Jonker, D.J.L.; Rooijmans, H.G.M. (1996) A pilot study of a short cognitive-behavioral group treatment for female recurrent suicide attempters. International Journal of Psychiatry in Medicine, 26, 83-91.

KOONS2001 (Published Data Only)

Koons, C. R., Robins, C. J., Tweed, J. L., Lynch, T. R., Gonzalez, A. M., Morse, J. Q. et al. (2001). Efficacy of dialectical behavior therapy in women veterans with borderline personality disorder. Behavior Therapy., 32.

LANIUS2003 (Published Data Only)

Lanius, Ruth A; Tuhan, Isolda (2003) Stage-Oriented Trauma Treatment Using Dialectical Behaviour Therapy. The Canadian Journal of Psychiatry, 48, 126-127.

LEICHSENRING2007 (Published Data Only)

Leichsenring, F.; Masuhr, O.; Jaeger, U.; Dally, A.; Streeck, U. (2007). The effectiveness of psychoanalytic-interactional therapy in borderline personality disorder - A study of clinical data. Zeitschrift fur Psychosomatische Medizin und Psychotherapie, 53, 129-143.

LINEHAN1991 (Published Data Only)

Linehan, M.M., Tutek, D.A., Heard, H.L. & Armstrong, H.E. (1994). Personal outcome of cognitive behavioural treatment for chronically suicidal borderline patients. American Journal of Psychiatry, 151, 1771-1776

Linehan, M.M., Heard, H.L., & Armstrong, H.E. (1993) Naturalistic Follow-up of a behavioral treatment for chronically parasuicidal borderline patients. Archives of General Psychiatry, 50, 971-74.

Linehan, M. M., Armstrong, H. E., Suarez, A., Allmon, D., & Heard, H. L. (1991). Cognitive-behavioral treatment of chronically parasuicidal borderline patients. [see comment]. Archives of General Psychiatry., 48, 1060-1064.

LINEHAN1999 (Published Data Only)

Linehan, M. M., Schmidt, H., Dimeff, L. A., Craft, J. C., Kanter, J., & Comtois, K. A. (1999). Dialectical behavior therapy for patients with borderline personality disorder and drug-dependence. American Journal on Addictions., 8, 279-292.

LINEHAN2002 (Published Data Only)

Linehan, M. M., Dimeff, L. A., Reynolds, S. K., Comtois, K. A., Welch, S. S., Heagerty, P. et al. (2002). Dialectical behavior therapy versus comprehensive validation therapy plus 12-step for the treatment of opioid dependent women meeting criteria for borderline personality disorder. Drug Alcohol Depend., 67, 13-26.

LINEHAN2006 (Published Data Only)

Linehan, M. M., Comtois, K. A., Murray, A. M., Brown, M. Z., Gallop, R. J., Heard, H. L. et al. (2006). Two-year randomized controlled trial and follow-up of dialectical behavior therapy vs therapy by experts for suicidal behaviors and borderline personality disorder. Archives of General Psychiatry., 63, 757-766.

LOFFLERSTASTKA2003 (Published Data Only)

Loffler-Stastka,H.; Voracek,M.; Leithner,K.; Fischer-Kern,M.; Presslich,E.; Kunz,C.; Meissel,T. (2003) Predicting psychotherapy utilization for patients with borderline personality disorder. Society for Psychotherapy Research, 13, 255-264

LOPEZ2004 (Published Data Only)

Lopez,D.; Cuevas,P.; Gomez,A.; Mendoza,J. (2004) Transference-focused psychotherapy for borderline personality disorder. A study with female patients. Salud Mental, 27, 44-54.

MARKOWITZ2006 (Published Data Only)

Markowitz, J.C.; Skodol, A.E.; Bleiberg, K. (2006) Interpersonal psychotherapy for borderline personality disorder: possible mechanisms of change. Journal of Clinical Psychology, 62, 431-444.

MCQUILLAN2005 (Published Data Only)

McQuillan, A.; Nicastro, R.; Guenot, F.; Girard, M.; Lissner, C.; Ferrero, F. (2005). Intensive dialectical behavior therapy for outpatients with borderline personality disorder who are in crisis. Psychiatric Services, 56, 193-197.

MUNROEBLUM1995 (Published Data Only)

Munroe-Blum, H. & Marziali, E. (1995). A controlled trial of short-term group treatment for borderline personality disorder. Journal of Personality Disorders., 9.

NORDAHL2005 (Published Data Only)

Nordahl, H.M.; Nysaeter, T.E. (2005) Schema therapy for patients with borderline personality disorder: a single case series. Journal of Behavior Therapy and Experimental Psychiatry, 36, 254-264.

PRENDERGAST2007 (Published Data Only)

Prendergast, N.; McCausland, J. (2007) Dialetic behaviour therapy: A 12-month collaborative program in a local community setting. Behaviour Change, 24, 25-35.

RYLE2000 (Published Data Only)

Ryle, A.; Golynkina, K. (2000) Effectiveness of time-limited cognitive analytic therapy of borderline personality disorder: factors associated with outcome. British Journal of of Medical Psychology, 73, 197-210

TURNER2000 (Published Data Only)

Turner, R. M. (2000). Naturalistic evaluation of dialectical behavior therapy-oriented treatment for borderline personality disorder. Cognitive & Behavioral Practice., 7.

TYRER2003 (Unpublished and Published Data)

Tyrer,P.; Jones,V.; Thompson,S.; Catalan,J.; Schmidt,U.; Davidson,K.; Knapp,M.; Ukoumunne,O.C. 2003. Service variation in baseline variables and prediction of risk in a randomised controlled trial of psychological treatment in repeated parasuicide: the POPMACT Study. Int.J Soc.Psychiatry. 49 (1): 58-69.

VANDENBOSCH2002 (Published Data Only)

L.M.C. Koeter, M.W.J., Stijnen, T., Verheul, R., Brink, W.V.D.

Verheul, R., van, d., Koeter, M. W., De, R., Stijnen, T., & Van, D. (2003). Dialectical behaviour therapy for women with borderline personality disorder: 12-month, randomised clinical trial in The Netherlands.[see comment]. British Journal of Psychiatry., 182, 135-140.

van den Bosch., Verheul, R., Schippers, G. M., & Brink, W.V.D. (2002). Dialectical Behavior Therapy of borderline patients with and without substance use problems. Implementation and long-term effects. Addictive Behaviors., 27, 911-923.

WARREN2004 (Published Data Only)

Warren, F.; Zaman, S.; Dolan, B.; Norton, K.; Evans, C. 2006. Eating disturbance and severe personality disorder: Outcome of specialist treatment for severe personality disorder. European Eating Disorders Review. 14 (2): 69-78.

*Warren,F.; Evans,C.; Dolan,B.; Norton,K. 2004. Impulsivity and self-damaging behaviour in severe personality disorder: The impact of democratic therapeutic community treatment. Therapeutic Communities: the International Journal for Therapeutic & Supportive Organizations. 25 (1): 55-72.

WEINBERG2006 (Published Data Only)

Weinberg,I.; Gunderson,J.G.; Hennen,J.; Cutter,C.J.,Jr. 2006. Manual assisted cognitive treatment for deliberate self-harm in borderline personality disorder patients. J Personal.Disord. 20 (5): 482-492.

WILBERG1998 (Published Data Only)

Wilberg, T.; Friis, S.; Karterud, S.; Mehlum, L.; Urnes, O.; Vaglum, P. (1998) Outpatient group psychotherapy: A valuable continuation treatment for patients with borderline personality disorder treated in a day hospital? A 3-year follow-up study. Nordic Journal of Psychiatry, 52, 213-222

References of Excluded Studies

ABBASS2008 (Published Data Only)

Abbass, A.; Sheldon, A.; Gyra, J.; Kalpin, A. 2008. Intensive short-term dynamic psychotherapy for DSM-IV personality disorders: a randomized controlled trial. Journal of Nervous and Mental Diseases 196(3); 211-216.

BALL2007

Comparing individual therapies for personality disordered opioid dependent patients. (2007). Ball, S.A. Journal of Personality Disorders, 21 (3) 305-321.

BUDMAN1996 (Published Data Only)

Budman, S.H.; Demby, A.; Soldz, S.; Merry, J. (1996) Time-limited group psychotherapy for patients with personality disorders: outcomes and dropouts. International Journal of Group Psychotherapy, 46, 357-377.

CHIESA2004A (Published Data Only)

Chiesa, M., Wright, M., Leger, D. 2004. Psychotropic medication and the therapeutic community: A survey of prescribing practices for severe personality disorder. Therapeutic Communities: International Journal for Therapeutic and Supportive Organizations. 25 (2): 131-144

COPAS1984 (Published Data Only)

Copas, J.B., O'Brien, M., Roberts, J., Whiteley, J.S. 1984. Treatment outcome in personality disorder: the effect of social, psychological and behavioural variables. Personality and Individual Differences 5(5): 565-573.

GARA1989 (Published Data Only)

Gara, A.; Hutchinson, V.; Hafner, R.J. 1989. Residents' evaluation of a therapeutic community. Australian Clinical Review. 8 (32): 211-216.

GERAGHTY2003 (Published Data Only)

Geraghty, R., Warren, F. Ethnic diversity and equality of access to specialist therapeutic community treatment for severe personality disorder. Psychiatric Bulletin. 27 (12): 453-456

GREGORY2008 (Published Data Only)

Gregory, R.J.; Chlebowski, S.; Kang, D.; Remen, A.; Soderberg, M.; Stepkovitch, J.; Virk, S. 2008. A controlled trial of psychodynamic psychotherapy for co-occurring borderline personality disorder and alcohol use disorders. Psychotherapy: Theory, Research, Practice, Training, 45(1): 28-41.

HUBAND2007 (Published Data Only)

Huband, N., McMurran, M., Evans, C., & Duggan, C. (2007). Social problem-solving plus psychoeducation for adults with personality disorder: pragmatic randomised controlled trial. Br.J Psychiatry, 190, 307-313.

ISOHANNI1990 (Published Data Only)

Isohanni, M.; Nieminen, P. 1990. Relationship between involuntary admission and the therapeutic process in a closed ward functioning as a therapeutic community. Acta Psychiatrica Scandinavica. 81 (3): 240-244.

ISOHANNI1990A (Published Data Only)

Isohanni, M.; Nieminen, P. 1990. The determinants of therapeutic community activity at an acute patients' psychiatric ward. International Journal of Therapeutic Communities, 11(3): 140-148

ISOHANNI1992 (Published Data Only)

Isohanni, M.; Nieminen, P. 1992. The determinants of participation in individual psychotherapy in an acute patients' therapeutic community. Nordic Journal of Psychiatry, 46 (5): 295-301

JEFFREY1985 (Published Data Only)

Jeffrey, W.D. 1985. Pathology enhancement in the therapeutic community. International Journal of Social Psychiatry, 31(2): 110-118.

JOYCE2007 (Published Data Only)

Luty, S.E., Carter, J.D., McKenzie, J.M., Rae, A.M., Frampton, C.M., Mulder, R.T. & Joyce, P.R. (2007). Randomised controlled trial of interpersonal psychotherapy and cognitive-behavioural therapy for depression. British Journal of Psychiatry, 190, 496-502.

*Joyce, P.R., McKenzie, J.M., Carter, J.D., Rae, A.M., Luty, S.E., Frampton, C.M.A., & Mulder, R.T. (2007). Temperament, character and personality disorders as predictors of response to interpersonal psychotherapy and cognitive-behavioural therapy for depression. British Journal of Psychiatry, 190, 503-508

KOSTER1988 (Published Data Only)

Koster, A.M.; Wagenborg, J.E. 1998. The follow-up project on psychotherapeutic communities: A collection of measures of change. International Journal of Therapeutic Communities, 9(3): 163-176.

LYNCH2007 (Published Data Only)

Lynch, T.R.; Cheavens, J.S.; Cukrowicz, K.C.; Thorp, S.R.; Bronner, L.; Beyer, J. (2007). Treatment of older adults with co-morbid personality disorder and depression: a dialectical behavior therapy approach. International Journal of Geriatric Psychiatry, 22, 131-143.

MIZEN1984 (Published Data Only)

Mizen, C.S. 1984. Combined therapy with borderline and narcissistic inpatients at the Cassel Hospital. Psychoanalytic Psychotherapy, 8(1): 17-35.

RATHUS2002

Rathus, J. H. & Miller, A. L. (2002). Dialectical behavior therapy adapted for suicidal adolescents. Suicide & Life-Threatening Behavior., 32, 146-157.

SPRINGER1996 (Published Data Only)

A preliminary report of short-term cognitive-behavioural group therapy for inpatients with personality disorders. 1996. Springer, T.; Lohr, N.A.; Buchtel, H.A.; Silk, K.R. Journal of Psychotherapy Practice and Research, 5(1): 57-71.

WEERTMAN2007 (Published Data Only)

Weertman, A.; Arntz, A. (2007). Effectiveness of treatment of childhood memories in cognitive therapy for personality disorders: a controlled study contrasting methods focusing on the present and methods focusing on childhood memories. Behaviour Research and Therapy, 45, 2133-2143.

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Characteristics Table for The Clinical Question: Pharmacological treatments

Comparisons Included in this Clinical Question

Amitriptyline vs Haloperidol vs Placebo

SOLOFF1989

Aripiprazole vs Placebo

NICKEL2006

Carbamazepine vs Placebo

DE LA FUENTE1994

Divalproex vs Placebo

FRANKENBURG2002 HOLLANDER2001

HOLLANDER2003

E-EPA (Omega 3) vs Placebo

HALLAHAN2007 ZANARINI2003

Fluoxetine plus DBT vs Placebo plus DBT

SIMPSON2004

Fluoxetine plus IPT vs Fluoxetine plus CT

BELLINO2007

Fluoxetine vs Fluoxetine plus IPT

BELLINO2006B

Fluoxetine vs Olanzapine vs Combined Fluoxetine plus Olanzapine

ZANARINI2004

Fluvoxamine vs Placebo

RINNE2002

Haloperidol vs Phenelzine vs Placebo

SOLOFF1993

Lamotrigine vs Placebo

TRITT2003

Loxapine vs Chlorpromazine

LEONE1982

Olanzapine + DBT vs Placebo + DBT

SOLER2005

Olanzapine vs Placebo

BOGENSCHUTZ2004

ELILILLY2006

ELILILLY2007

SCHULTZ2008

ZANARINI2001

Topiramate vs Placebo

LOEW2006

NICKEL2004

NICKEL2005

Ziprasidone vs Placebo

PASCUAL2008

Characteristics of Included Studies

Methods BELLINO2006B

Study Type: RCT

Type of Analysis: Completers

Blindness: Single blind

Duration (days): Mean 168

Setting: COUNTRY: Italy

Outpatients

Notes: RANDOMISATION: procedure not described. Investigator blinded to treatment

39 ppts enrolled none excluded

Info on Screening Process: Ppts selected from those attending an outpatient service at University of Turin for personality disorder. No info given on numbers screened.

n= 39

Age: Mean 26

Sex: 12 males 20 females

Diagnosis:

100% BPD by DSM-IV-TR

100% Major depressive episode by DSM-IV

Exclusions: - life time diagnosis of delirium, dementia, amnestic or other cognitive disorder

- schizophrenia or other psychotic disorder
- those whose major depressive episode was an expression of bipolar disorder

Participants

- current substance abuse disorder
- those treated with psychotropic drugs or psychotherapy during 2 months prior to study - inadequate use of birth control by women of child bearing

age

Notes: Number of males and females reflects those who completed the study (N = 32, 12 Male, 20 female). ETHNICITY: no data

Data Used

SAT-P Mean

IIP-64 HARS

HRSD-24 (Hamilton 1959)

Data Not Used

CGI - Not extracting this

Notes: OUTCOMES: Taken at baseline, week 12 & week 24

Outcomes

Remission defined by decreased HRSD score (more than or equal to 40%), with final score of less than or equal to 8, and a score of 1 or 2 on the improvement item of the CGI

Group 1 N= 19

Fluoxetine. Mean dose 20mg - DOSE: Initial dose 20mg daily, at beginning wk 2 opportunity to increase dose to 40mg daily if needed. Ppts each had 4 appointments, first 2 fortnightly & last 4 mnthly Psychiatrist provided pharmacotherapy & clinical management (not described)

Interventions

Group 2 N= 20

Fluoxetine. Mean dose 20mg - DOSE: Initial dose 20mg daily. Max dose 40mg. IPT. Mean dose 1hr/weekly - IPT consisted weekly sessions lasting 1 hour

and followed Klerman et al (1989) manual. Psychotherapist with min 5yrs experience delivered sessions of IPT.

Study Quality 1+ Article reports that this study received no funding and no support

Notes

32 of 71

DRAFT FOR CONSULTATION					
	Baseline: Fluoxetine				
Results from this paper:					
Leaving study early for any reason: N = 7					
Internal validity:					
1.1 Well covered 1.6 Well covered 1.7 Adequately addressed 1.7 Adequately addressed 1.8 Fluoxetine 10%; Combined treatment 8% 1.9 Not reported 1.9 Not reported 1.10 Not applicable 1.10 Not applicable					
Unpublished data: Correction - The number of drop-outs in the two treatment groups was exchanged, due to a printing mistake. We had 3 drop-outs in the group that received fluoxetine and 4 drop-outs in the group that received fluoxetine and 4 drop-outs in the group that received combined therapy.					
BELLINO2007					
Study Type: RCT	n= 32	Data Used	Group 1 N= 14		
Study Description: Participants were treated with fluoxetine for 24wks and were also given 1hr/wk of either IPT or CT.	Age: Mean 31 Sex: 7 males 19 females	IIP-64 SAT-P Mean Social & Occupational Functioning	Fluoxetine. Mean dose 32.86mg/day - 20mg/day for 1st 2 wks, then dose could be increased to up to 40mg/day.		
Type of Analysis: completers	Diagnosis: 100% BPD by DSM-IV-TR	Assessment Scale BDI	IPT - 1hr/week conducted referring to IPT of depression manual by psychotherapist		
Blindness: Single blind	10070 21 2 2) 2011 11 11	HARS	with at least 5 years experience of IPT.		
Duration (days): Mean 168	100% Major depressive episode by DSM-IV-TR	HADS depression scale	Group 2 N= 12		
Setting: COUNTRY: Italy; Outpatients	Exclusions: 6 participants discontinued during 1st 3 wks due	CGI	Cognitive therapy - 1hr/week conducted referring to CT of depression manual by		
Notes: RANDOMISATION: used Research Randomizer v3.0 program	to noncompliance.		psychotherapist with at least 5 years experience of CT.		
Info on Screening Process: No people screened not reported, exclusions inc cognitive disorders, psychotic disorders, substance abuse, treatment with psychotropic drugs or psychotherapy during 2 months prior to study. Females not using contraceptive.	Notes: ETHNICITY: Not reported. Age and Sex data is only reported for completers. Baseline: Fluox & IPT Fluox & CT GSI 3.5 (0.5) 3.3 (0.5) HDRS 19.7 (3.4) 19.7 (3.4) HARS 18.1 (0.8) 18.0 (1.1) BDI-II 22.0 (2.6) 21.0 (0.9) SOFTAS 51.7 (5.9) 54.0 (7.1) SAT-P & IIP-64 subscales also reported		Fluoxetine. Mean dose 30.00mg/day - 20mg/day for 1st 2 wks, then dose could be increased to up to 40mg/day.		
BOGENSCHUTZ2004					
Study Type: RCT	n= 40	Data Used	Group 1 N= 16	Study Quality 1+	
Study Description: Type of analysis: last observation carried forward but only for those with 2 post-baseline assessments with 2 weeks of treatment	Age: Mean 33 Range 18-54 Sex: 15 males 25 females Diagnosis:	Weight Change - data not extracted yet Data Not Used ASI - data not extractable SCL-90 - data not extractable	Olanzapine. Mean dose 6.9mg - DOSE: Initial dose 2.5mg/day, increased by 2.5 to 5mg increments/week upto 10mg/day. After 8 wk therapy additional dose	Study supported by grant from Eli Lilly & Co, Indianapolis	
Type of Analysis: Last observation carried forward	100% BPD by SCID-II	AIA-Q - data not extractable HARS - data not extractable	increase if necessary by 2.5-5mg increments/wk to max dose of 20mg/day. If side effects present reduce dose by 2.5-		
Blindness: Double blind	Exclusions: - Schizophrenia - schizoaffective disorder	HRSD-24 (Hamilton 1960) - data not extractable	5mg/week.		
Duration (days): Mean 84	- bipolar affective disorder	OAS-M - data not extractable	Group 2 N= 19		
Setting: COUNTRY: New Mexico Outpatients (community and outpatient clinics) Notes: RANDOMISATION: assignment in equal	- current major depressive disorder - psychotic disorder due to substance or a general medical condition - substance dependence that's not in full or partial remission	CGI-BPD - Scale not validated	Placebo. Mean dose 10.2mg - DOSE: Ppts receive pseudo dose of 10.2mg		
numbers. No description of blinding and no	- active suicidal thoughts - current suicidal intent or definite plans				

other info given.

Info on Screening Process: Ppts recruited from community and outpatient clinics at a university psychiatric hospital

No info on numbers screened

40 ppts with BPD enrolled and randomised to either treatment group.

pregnancy neurological impairment

Notes: Informed consent obtained. Patients had to be free of of mood stabilisers, antipsychotics, benzos,& antidepressants for 2 wks prior to treatment.

ETHNICITY: 57.5% White, 25% Hispanic, 7.5%

Asian/Pacific Islander, 4% unknown Baseline: None reported

Notes: OUTCOMES TAKEN: Prior to initiation of treatment with Olanzapine (0 weeks) and after 2.4.8 and 12 weeks of treatment with study medication

Results from this paper:

Leaving treatment early due to adverse events: Olanzepine N = 2, Placebo N= 0 Leaving treatment early due to any other reason: Olanzepine N = 8, Placebo N = 7

Olanzapine (patients left study early due to these side effects) None left placebo group due to side effects

Side effects: Weight gain N = 2 (10%) Sedation N = 2 (10%)

Internal validity:

1.1 Well covered 1.6 Well covered

1.2 Not reported 1.7 Adequately addressed

1.3 Not addressed 1.8 Olanzapine = 50% Placebo = 35%

1.4 Not reported 1.9 Not addressed 1.5 Well covered 1.10 Not applicable

Unpublished data: endpoint means and SD for global CGI, AIAQ, SCL-90 scores, plus a copy of the CGI-BPD scale.

DE LA FUENTE1994

Study Type: RCT

Type of Analysis: Not reported

Blindness: Double blind Duration (days): Mean 31

Setting: COUNTRY: Belgium

Inpatient

Notes: RANDOMISATION: Ppts randomised to either group. No other info given. Both ppts and investigator kept blind to treatment allocation

Info on Screening Process: No info on numbers screened.

Ppts recruited from inpatient setting. 20 inpatients fullfilling DSM-IIIR criteria for BPD and with score of at least 7 on DIB included in study. No patients excluded.

n= 20

Age: Mean 32 Range 22-45 Sex: 6 males 14 females

Diagnosis:

100% BPD by DSM-IIIR

Exclusions: - Abnormal standard physical or neurological examinations

- Irregular biological blood tests
- Positive history of epilepsy
- inability to stop alcohol or psychoactive drugs
- Suspected poor treatment compliance
- DSM-IIIR Major depression
- DSM-IIIR Axis I disturbances
- Antecedents of encephalitis or cranial trauma

Notes: DESCRIPTION:Psychtropic drug washout period 10 days prior treatment for all ppts. 32 days of active CBZ treatment.

ETHNICITY: no data

Baseline:

CBZ **PLACEBO HRSD** 28.00 (10.92) 30.70 (4.11) 57.50 (13.52) GAS 49.90 (12.24 **BPRS** 47.87 (11.18) 53.90 (8.22) SCL-90 117.42 (101.64) 141.66 (44.70) Data Used **BPRS**

GAS

SCL-90 Depression SCL-90 Hostility

HRSD-24 (no reference)

Data Not Used

Acting Out scale - Made up scale for study

SCL-90 Other scales

Notes: OUTCOMES TAKEN AT: Baseline, day 8 Group 2 N= 10 day 32

Group 1 N= 10

Carbamazepine (CBZ). Mean dose 6.44ug-7.07ug - DOSE:single dose at 10pm each day. Plasma levels of CBZ and 10,11 epoxycarbamazepine determined on days 8,16, and 32

Study Quality 1+

Funding unclear

Atheoretical psychotherapy - Atheoretical psychotherapy provided by same clinician on all occassions (not described in further detail).

Placebo - DOSE: Placebo administered in single dose at 10pm each day.

Atheoretical psychotherapy - Atheoretical psychotherapy provided by same clinician on all occassions (not described in further detail).

Results from this paper:

Leaving treatment early due to adverse events: two patients receiving CBZ due to increasing intensity of acting out e.g. wrist cutting and razor blade swallowing. No placebo patients dropped out.

Internal validity:

1.1 Well covered

1.6 Well covered

1.2 Not reported 1.7 Adequately reported 1.3 Not addressed 1.8 CBZ = 20% Placebo = 0%

1.4 Well covered 1.9 Not addressed 1.5 Well covered 1.10 Not applicable

ELILILLY2006

Study Type: RCT with cross over follow-up

Type of Analysis: LOCF Blindness: Double blind Duration (days): Mean 84

Setting: Outpatients

Notes: RANDOMISATION: procedure not described, no details on blinding

Info on Screening Process: 385 patients screened. 71 did not meet inclusion criteria. 314 randomised. No details provided on

recruitment of ppts

n= 314

Age: Mean 32 Range 18-59 Sex: 91 males 223 females

Diagnosis:

100% BPD by DSM-IV-TR

100% Personality Disorder by DSM-IV-TR

Exclusions: - Schizophrenia - Schizo-affective disorder Schizophreniform disorder

Bipolar I & II

Delusional disorder

Current PTSD, panic disorder, OCD, comorbid Cluster A

Axis II disorder

Previous episode of MDD lasting 3 months

Substance dependence

Actively suicidal

Notes: To be included ppts needed a ZAN-BPD total score of >9 ETHNICITY: Caucasian 86.9%: African descent 6.1%: East/SE Asian, 1%; Western Asian 1.3%, Hispanic 1.9%, Other origin 2.9%

Baseline:

Olanzapine Placebo ZAN-BPD 17.01 (5.23) 17.70 (5.21) 26.00 (57.11) 51.00 (100.80) OAS-M aggression OAS-M irritability 6.00 (1.62) 5.62 (1.78) OAS-M suicide 1.07 (1.35) 1.19 (1.18) Sheehan Disability 18.97 (5.98) 19.97 (6.40) GSI 1.67 (0.75) 1.81 (0.68) MADRS total 12.45 (4.87) 13.18 (4.50) GAF current functioning 53.95 (10.12) 53.45 (10.30) GAF highest level 63.84 (13.46) 62.75 (13.11)

Data Used

Suicide attempts OAS-M irritability OAS-M (suicidality)

OAS-M (agression)

GSI

Data Not Used

Weight Change - No SD

Sheehan disability Scale Total - check suitability of scale

ZAN-BPD - check suitability of scale

Group 1 N= 155

Olanzapine, Mean dose 7.09mg - 2.5mg -20mg was given once daily in oral capsules (in increments of 2.5mg or 5mg)

Group 2 N= 159

Placebo - Ppts given one oral capsule of placebo daily.

Results from this paper:

Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Not reported 1.7 Adequately addressed

1.3 Not addressed 1.8 Olanzapine = 48.4% Placebo = 38.4%

1.4 Not reported 1.9 Adequately addressed 1.5 Well covered 1.10 Adequately addressed

ELILILLY2007

Study Type: RCT

Study Description: Study has both 12 week double blind period followed by 12 week open label phase. Only double blind phase reported

Type of Analysis: LOCF

Blindness: Double blind Duration (days): Mean 84 n = 451

Age: Mean 33 Range 18-65 Sex: 119 males 332 females

Diagnosis:

100% BPD by DSM-IV-TR

Exclusions: - schizophrenia schizoaffective disorder

Data Used

Weight Change GSI

OAS-M (agression) OAS-M (suicidality) OAS-M irritability Sheehan disability Scale Total

ZAN-BPD

Group 1 N= 150

Olanzapine. Mean dose 2.5mg -Participants received 2.5mg of olanzapine daily as oral capsules

Group 2 N= 148

Olanzapine. Mean dose 5-10mg -Participants in the moderate dose group received 5-10mg of olanzapine daily as oral capsules

DRAFT FOR CONSULTATION					
Setting: Multicenter trial conducted in 9	- schizophreniform disorder		Group 3 N= 153		
countries	- bipolar I or II disorder - delusional disorder		Placebo - Placebo capsules given orally,		
Info on Screening Process: 635 ppts screened,	- previous 3 month diagnosis of MDD		once a day.		
174 failed screening procedure, 451	- substance dependence				
randomised to double blind phase.	- current diagnosis of PTSD				
	- panic disorder - OCD				
	- Comorbid cluster A Axis II personality disorder (paranoid,				
	schizotypal or schizoid)				
	- actively suicidal				
	Notes: ETHNICITY: Caucasian 65.4%, African descent				
	7.1%, East/SE Asian 1.6%, Western Asian 0.2%, Hispanic				
	24.6%, other origin 1.1%				
	Baseline:				
	Olz 2.5mg Olz 5-10mg Placebo ZAN-BPD 17.01 (5.02) 17.42 (4.51) 17.07				
	(5.04)				
	OAS-M Aggression 52.97 (79.16) 36.34 (52.66) 44.26				
	(77.69) OAS-M Irritability 5.66 (1.87) 5.59 (1.65) 5.46				
	OAS-M Irritability 5.66 (1.87) 5.59 (1.65) 5.46 (2.01)				
	OAS-M Suicidality 0.66 (0.89) 0.68 (1.04) 0.58				
	(1.04)				
	Sheehan total 18.57 (6.75) 18.42 (6.96) 18.09 (7.12)				
	GSI 1.65 (0.76) 1.62 (0.68) 1.53				
	(0.70)				
	MADRS total 11.71 (4.83) 11.98 (4.73) 11.52 (4.80)				
	GAF current functioning 55.05 (9.37) 55.72 (8.85) 55.41				
	(9.65)				
	GAF Highes functioning 60.04 (10.75) 61.45 (9.73) 59.71				
	(10.60)				
Results from this paper:					
Internal validity:					
1.1 Well covered 1.6 Adequately addres	ssed				
1.2 Not reported 1.7 Well covered 1.3 Not addressed 1.8 Olanzapine 2.5mg	r = 30.4% Olanzanina 5.10mg 35.8% Placoho = 38.6%				
1.3 Not addressed 1.8 Olanzapine 2.5mg = 30.4%, Olanzapine 5-10mg 35.8%, Placebo = 38.6% 1.4 Not reported 1.9 Not reported					
1.5 Well covered 1.9 Not reported 1.9 Not reported 1.5 Well covered 1.10 Adequately addressed					
FRANKENBURG2002					
Study Type: RCT	n= 30	Data Used	Group 1 N= 20	Study quality 1+	
Type of Analysis: Last observation carried	Age: Mean 27 Range 18-40	SCL-90 Depression	Divalproex Sodium. Mean dose	Study supported by grant from Abbott Laboratories,	
forward	Sex: all females	MOAS	850mg/day - DOSE: Two 250mg	Chicago	
Blindness: Double blind	Diagnosis:	Weight Change	tablets/day.	 9 -	
Duration (days): Mean 168	100% BPD by DIB-DSM-IV	SCL-90 Hostility	Group 2 N= 10		
Duration (days). Mean 100		Data Not Used SF-36 Health Survey - Extractable but need to	Placebo. Mean dose 2.6 tablets - DOSE: ppts received 2 tablets containing 250mg		
Setting: COUNTRY: US	100% Bipolar II disorder by DSM-IV	decided if useable	of inert substance (placebo).		
Outpatient - symptomatic volunteers		SCL-90 Other scales	(F		
- I	I and the second	Notes: OUTCOMES:ppts seen weekly for 1st			
Notes: RANDOMISATION: Ppts randomly	Exclusions: - Major depressive episode or hypomanic	INDIES. OUTCOMES.ppts seem weekly for 1st		İ	
· · · · · · · · · · · · · · · · · · ·	Exclusions: - Major depressive episode or hypomanic episodre	month and then monthly.			
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged	episodre - Current or lifetime schizophrenia				
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged between 18-40 recruited via media	episodre - Current or lifetime schizophrenia - Current schizoaffective disorder				
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged between 18-40 recruited via media advertisement.	episodre - Current or lifetime schizophrenia - Current schizoaffective disorder - Current psychotic disorder - Current bipolar I disorder				
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged between 18-40 recruited via media	episodre - Current or lifetime schizophrenia - Current schizoaffective disorder - Current psychotic disorder - Current bipolar I disorder - Acutely suicidal				
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged between 18-40 recruited via media advertisement. No details given on numbers screened before	episodre - Current or lifetime schizophrenia - Current schizoaffective disorder - Current psychotic disorder - Current bipolar I disorder				
Notes: RANDOMISATION: Ppts randomly allocated to treatment grp. No other info given. Info on Screening Process: Women aged between 18-40 recruited via media advertisement. No details given on numbers screened before	episodre - Current or lifetime schizophrenia - Current schizoaffective disorder - Current psychotic disorder - Current bipolar I disorder - Acutely suicidal				

mnths. Investigator met with ppts for 20-30mins & adjusted dose accordingly. ETHNICITY: White 67% African American 13% Hispanic 13%, Other 7%

Baseline:

	Divalproex	Placebo
SCL-90 sensitivity	2.3 (0.7)	2.6 (0.8)
SCL-90 anger	2.3 (0.9)	2.2 (0.9)
SCL-90 depression	2.4 (0.6)	3.0 (0.9)
MOAS Total	5.6 (3.8)	5.1 (3.4)

Results from this paper:

Leaving treatment early due to any reason Divalproex (N= 12) Placebo (N= 3) Leaving treatment early due to side effects Divalproex (N = 1) Placebo (N = 3)

Adverse Events: 2 ppts receiving placebo developed a major depressive episode

Internal validity:

1.1 Well covered 1.6 Well covered

1.2 Not reported 1.7 Adequately addressed

1.3 Well covered 1.8 Divalproex= 65% Placebo = 60%

1.9 Well covered 1.4 Well covered 1.5 Well covered 1.10 Not applicable

HALLAHAN2007

Study Type: RCT

Type of Analysis: Completers (LOCF)

Blindness: Double blind Duration (days): Mean 84

Setting: COUNTRY: Ireland

Outpatients

Info on Screening Process: 392 ppts assessed for eligibility, 343 excluded (325 did not meet inclusion criteria & 18 refused to participate). 49 randomised

n= 49

Age: Mean 30 Range 16-64 Sex: 17 males 32 females

Diagnosis:

71% BPD by DSM-IIIR

29% Paranoid PD by DSM-IIIR

Exclusions: - current history of addiction

substance misuse

psychosis

eating disorder

currently receiving psychotherapy

history of dyslipidaemia

any treatment, diet or illness known to interfer with omega-3

more than 10% weight loss over previous 3 months

taking supplements containing omega-3

eating fish more than once per week

changes to/intro of psychotropic medication during

previous 3 weeks

- unwillingness to participate in study

- living outside the greater Dublin area

Notes: ETHNICITY: no data

53% of sample were taking psychotropic medication at

baseline

Baseline: Omega-3 Placebo

BDI 38.41 32.22

Data Used

OAS-M covaried mean HRSD covaried mean

BDI covaried mean

Self-harm

Suicide Ideation

Data Not Used

Delayed Memory Task covaried mean -Available but not extracted yet

Immediate Memory Task covaried mean -Available but not extracted vet

Daily Hassles & Uplifts Scale covaried mean

Available but not extracted yet

Perceived Stress Scale covaried mean -Available but not extracted yet

Group 1 N= 22

E-EPA (omega 3). Mean dose 2128mg/day - Ppts prescribed 4 capsules of active agent, each pill containing 305 mg EPA and 227mg DHA. Pills to be taken in the morning.

Group 2 N= 27

Placebo. Mean dose 2128mg/day - Ppts in placebo group provided with 4 identical capsules as active treatment group to be taken in the morning. Placebo pills contained 99% corn oil and 1% EPA/DHA mixture.

Study Quality 1+ Funding: Salary support provided by Department of Psychiatry USA. Pronova (now Epax) AS, Norway, provided the active preparation & placebo but authors state they were not otherwise involved in the study.

Results from this paper:

Internal validity:

1.1 Well covered 1.6 Well covered 1.2 Well covered 1.7 Poorly addressed

1.3 Well covered 1.8 Omega-3= 14% Placebo = 26%

1.4 Well covered 1.9 Not reported

1.5 Adequately addressed 1.10 Not applicable

HOLLANDER2001

Study Type: RCT

Type of Analysis: Last observation carried

forwar

Blindness: Double blind Duration (days): Mean 70

Setting: COUNTRY: US

Mixed sample: outpatients community

Notes: RANDOMISATION: ppts randomised in 3:1 ratio (Divalproex: placebo). Both ppts and investigators blinded to treatment allocation. No other info given.

Info on Screening Process: No details on number screened

21 ppts provided consent to participate. Only 16 were randomly assigned. Ppts recruited by referral from private psychiatrists, mental health professionals in the community, self-help groups, outpatient clinics & media ads.

n = 16

Age: Mean 39 Range 18-62 Sex: 10 males 11 females

Diagnosis:

100% BPD by SCID-I and II (DSM-IV)

Exclusions: - Medical or neurological disease

- Psychotic disorders

- Current substance abuse
- Type I or II Bipolar disorder
- Current major depression Current suicidal ideation
- Pregnant

Notes: Number of male and female ppts reflects those who gave consent to study not those randomised ETHNICITY: 67% White. 14% Black. 19% Hispanic

Baseline:

Divalproex Sodium Placebo AQ 80.7 (15.7) 79.8 (15.1) BDI 18.1 (12.2) 19.7 (8.5) Data Used

GAS AQ

BDI Mean

BDI Mean

Data Not Used

CGI - Dichotomous measure

Notes: ASSESSMENT: Baseline, weekly for the next four weeks, and every 2 weeks thereafter

Group 1 N= 12

Divalproex Sodium. Mean dose 250mg -DOSE: Initial dose 250mg at bedtime. This increased gradually to a dose sufficient to maintain blood valporate level at 80ug/mL or the highest tolerated dose.

Group 2 N= 4

Placebo - DOSE: placebo dose of 250mg equivalent to Divalproex administered daily at bedtime. No other details given

Study Quality 1+ Study supported by grants from NIMH, Abbott Laboratories, National Centre for Research Resources, National Institutes of Health, Rockville, Seaver Foundation and PBO Foundation

Results from this paper:

Leaving treatment early for any reason: 6 patients in Divalproex group (50%) and 4 patients in placebo group (100%) No patient dropped out owing to side effects; all dropped out owing to lack of efficacy or impulsive decisions.

Internal validity:

1.1 Well covered 1.6 Well covered 1.7 Well covered 1.7 Well covered

1.3 Not addressed 1.8 Divaloproex = 50%; Placebo = 100%

1.4 Well covered1.5 Adequately addressed1.10 Not applicable

HOLLANDER2003

Study Type: RCT

Study Description: This paper consists of 3 different samples, we only focus on Cluster B and Intermittent Explosive Disorder ppts here

Type of Analysis: ITT Blindness: Double blind Duration (days): Mean 91

Setting: COUNTRY:US

Outpatient

Notes: RANDOMISATION: Ppts randomised in equal numbers. Both ppts and investigator blinded to treatment. No other info given

Info on Screening Process: No details of screening process given

n= 200

Age: Mean 37

Sex: 57 males 34 females

Diagnosis:

39% Cluster B by DSM-IV

14% Post traumatic stress disorder by DSM-IV

47% Intermittent explosive disorder by DSM-IV

Exclusions: - lifetime Bipolar I or II disorder with hypomania in past year

- major depressive disorder
- history of schizophrenia or other psychotic disorder
- nistory of schizophrenia
 symptoms of dementia
- current serious homicidal or suicidal ideation
- impulsive aggression
- pregnant or lactating females
- clinically significant abnormal laboratory data
- unstable medical conditions
- distable medical collabilistics less than 2 episodes of physical or verbal aggressive outbreaks per/wk for at least one month prior to screening.

Notes: Ppts allowed to continue SSRIs, tricyclic antidepressants & stimulants if taken for 2 months at a

Data Used OAS-M

Data Not Used

CGI - mean available

Notes: OUTCOMES: taken at baseline,weekly thereafter with telephone visits at weeks 5 & 7. CGI taken at baseline, once a week excluding weeks 5 and 7.

OAS-M outcome measure is an average score over past 4 weeks of treatment

Group 1 N= 43

Divalproex Sodium. Mean dose 1567mg/64.2ug/ml - DOSE: Initiated at 500mg/twice daily increased by 250mg every 3-7 days during 1st 3 wks of treatment. Dose adjusted according to clinical response and tolerance. Max dose 30mg/kg/day Mean valproate serum level 64.2ug/ml (range 0.0 -147ug/ml)

Group 2 N= 48

Placebo - DOSE: ppts received matched dose to the Divalproex group of inert placebo.

Study quality 1+ Study supported by grant from Abbott Laboratories

stable dose prior to study entry. Dose must remain constant throughout study. Dose reduced over 7 days after completion of 12wk treatment.

Baseline:

Divalproex OAS-M agression 54.9 (48.8)

Placebo 54.8 (56.3)

Results from this paper:

Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Adequately addressed

1.3 Not addressed 1.8 Divalproex = 47% Placebo = 45%

1.4 Adequately addressed 1.9 Adequately addressed 1.5 Adequately addressed 1.10 Adequately addressed

LEONE1982

Study Type: RCT

Type of Analysis: Completers Blindness: Double blind Duration (days): Mean 42

Setting: COUNTRY: US

Outpatient

Notes: RANDOMISATION: process not described. No details regarding blinding procedure.

Info on Screening Process: Ppts were current BPD patients, no other info given. 80 patients screened, none excluded at screening.

n= 80

Age: Mean 31 Range 16-59 Sex: 32 males 48 females

Diagnosis:

100% BPD by DIB

Exclusions: - Known allergy/hypersensitivity to either loxapine or chloropromazine

- moderate to severe brain syndrome or mental retardation
- severe medical disease
- use of sedatives or tranquilizers
- treatment with use of psychotropic drugs within 48 hours of commencing trial

Notes: Patients had to exhibit four + diagnostic criteria (low achievment, impulsivity, manipulative suicide, heightened affectivity, mild psychotic experiences, high socialization, disturbed close r'ships) 2 had to be rated as severe and 2 at least moderate.

Baseline: None-reported

Data Not Used

SNOOP - data not extractable CGI - data not extractable

BPRS - data not extractable Notes: OUTCOMES TAKEN AT: day 2, weeks 1

2. 4. 6 Night-time sedatives: fluorazepam and chloral hydrate if needed

Group 1 N= 34

Loxapine, Mean dose 14.5mg -DOSE:Initial dose 5mg one/two capsules daily increase based on symptom severity& drug tolerance. Dose reduced after desired symptom control achieved. Max dose =12 capsules

Group 2 N= 35

Chlorpromazine. Mean dose 110mg -DOSE: Starting at 50mg one or two capsules daily, max dose = 12 capsules Study Quality 1+ Study supported by grant from Lederle Laboratories

Results from this paper:

Eleven patients not included in study, 8 (loxapine group N = 4; chlorpromzine, N= 4) did not follow study procedures Leaving treatment due to adverse events: 3 patients admitted to hospital within first 3 study days (loxapine, N = 2; chlorapromazine, N = 1).

Internal validity:

1.1 Well covered 1.6 Well covered 1.2 Not reported 1.7 Well covered

1.3 Well covered 1.8 Loxapin = 5%; Placebo = 2.5%

1.9 Not addressed 1.4 Not addressed 1.5 Well covered 1.10 Not applicable

LOEW2006

Study Type: RCT

Type of Analysis: ITT Blindness: Double blind Duration (days): Mean 70

Setting: COUNTRY: Germany Outpatient - symptomatic volunteers

Notes: RANDOMISATION: carried out confidentially by clinic administration with a 1:1 n = 56

Age: Mean 25 Sex: all females

Diagnosis:

100% BPD by SCID-I and II (DSM-IV)

73% Depressive disorder

Data Used

Weight Change IIP-D SCL-90-R GSI

Data Not Used

SF-36 Health Survey - data not extracted

Group 1 N= 28

Topiramate. Mean dose 200mg - DOSE: Initial dose in first week 25mg daily. titrated to 200mg daily by 6th wk and remained constant thereon. Non-structured questionnaire administered weekly to monitor side effects of Topiramate

Study quality 1++ Article reports no funding provided for study.

assignement ratio. Both ppts and investigators 52% Anxiety disorder Notes: OUTCOMES: taken weekly for 10 weeks | Group 2 N= 28 blinded. SCL-90 -R transformed scores used in analysis Placebo - DOSE: ppts received doses of inert placebo identical to Topiramate. No Info on Screening Process: Women aged 13% Obsessive compulsive disorder between 18-35 recruited through media other info given advertisements. 63% Somatoform disorder 81 female ppts screened, 59 ppts eligible to participate, power calculations required 56 ppts who were then randomised to either treatment Exclusions: - schizophrenia or placebo group. - current use of topirmate/other psychotropic medication current psychotherapy pregnant not using adequate contraception planning to become pregnant currently suicidal currently absuing alcohol or drugs experiencing severe somatic illness Notes: ETHNICITY: no data Baseline: **Topirimate** Placebo GSI 71.6 (4.6) 72.9 (5.4) Results from this paper: Leaving treatment early due to any reason: Topiramate N= 1 Placebo N=3. No serious side effects observed or psychotic symptoms Internal validity: 1.1 Well covered 1.6 Well covered 1.2 Well covered 1.7 Well covered 1.3 Well covered 1.8 Topiramte 2.8% Placebo = 10.7% 1.4 Well covered 1.9 Well covered 1.5 Well covered 1.10 Not applicable NICKEL2004 Study Type: RCT Data Used Group 1 N= 19 n = 29Study quality 1+ Weight Change Article states no financial Age: Mean 26 Range 20-35 Topiramate. Mean dose 250mg - DOSE: Type of Analysis: Completers support given for study STAXI- Trait Anger Initial dose 50mg daily then titrated to Sex: all females Blindness: Double blind 250mg in 6th week and stayed constant Data Not Used thereafter. Diagnosis: STAXI Other scales Duration (days): Mean 56 100% BPD by SCID-I and II (DSM-IV) Notes: OUTCOMES: STAXI completed on Group 2 N= 10 Setting: COUNTRY: Finland weekly basis for 8 weeks. Placebo. Mean dose 50mg - DOSE: Initial Outpatient - symptomatic volunteers dose 50mg matched Topiramate Exclusions: - Schizophrenia - major depression Notes: RANDOMISATION: conducted - bipolar disorder confidentially by clinic administration. 2:1 ratio - current use of topiramate or other psychotropic medicine sequence adopted. Both ppts and investigators current psychotherapy treatment blinded. No other info preganant Info on Screening Process: Women aged - somatically ill between 20-35 years recruited via -actively suicidal advertisements by GPs. No info on number abusing drugs or alcohol screened. 74 women agreed to take part. Notes: STAXI filled in weekly and side-effects monitored on Telephone screening to check they met DSMnon-structured questionnaire. Physical examination at both IV criteria and general history taken too. 31 beginning and end of study eligible, 29 randomised ETHNICITY: no data Baseline: Topiramate Placebo 31.4 (2.5) 31.3 (2.2) State Anger 30.9 (2.4) 29.0 (1.6) Trait Anger 23.7 (1.3) 24.3 (1.6) Anger In Anger Out 24.2 (1.5) 23.8 (1.8) Anger Control 19.1 (1.4) 18.7 (0.9) Results from this paper:

Leaving treatment early for any reason: N = 2 (Topiramate) No serious side effects or psychotic symptoms observed.

Internal validity:

1.1 Well covered 1.6 Adequately Addressed 1.2 Adequately Addressed 1.7 Adequately Addressed

1.3 Adequately Addressed 1.8 Topiramate N=2 (6%) Placebo = 0

1.4 Well covered 1.9 Not reported 1.5 Well covered 1.10 Not applicable

NICKEL2005

Study Type: RCT

Type of Analysis: completers Blindness: Double blind Duration (days): Mean 56

Followup: 18 months

Setting: COUNTRY: Finland Outpatient - symptomatic volunteers

Notes: RANDOMISATION: Conducted confidentially by clinic administration. 1:1 ratio chosen. Both ppts and investigators blinded. No other info

Info on Screening Process: Men recruited through outpatient clinic staff & through advertisements in local & regional press. 59 men agreed to take part in study, 48 were eligible to take part. Power calculations meant 44 required for trial. No further details on selection of 44.

Age: Mean 29 Sex: all males

Diagnosis:

69% Mood disorder by DSM-IV

14% Somatoform disorder by DSM-IV

45% Anxiety disorder by DSM-IV

12% Eating disorder by DSM-IV

71% Alcohol misuse by DSM-IV

12% Amphetamine misuse by DSM-IV

19% Canabis misuse by DSM-IV

100% BPD by SCID-I and II (DSM-IV)

Exclusions: - acute psychosis

- severe major depression
- bipolar disorder
- current use of Topiramate
- use of psychotropic medication
- participation in psychotherapy
- somatically ill
- actively suicidal
- met criteria for an addictive illness

Notes: ETHNICITY: no data

Baseline:

SA TA ΑI ΑO AC Topiramate32(3.60) 31.3(2.7) 24.7(0.7) 25.5(2.0) 17.8(1.3) Placebo 33.6(3.4) 30.7(2.5) 25.6(0.5) 25.5(2.0) 17.9(1.9)

Data Used

Weight Change

STAXI- Trait Anger

Data Not Used

STAXI Other scales

Notes: OUTCOMES: taken weekly

Group 1 N= 22

Topiramate. Mean dose 250mg - DOSE: initial dose 50mg/daily titrated to 250mg/daily in 6th week and then remained constant. Side effects of Topiramate monitored weekly using nonstructured questionnaires.

Group 2 N= 22

Placebo - DOSE: ppts received matched dose of Topiramate

Study quality 1+ Article reports that no funding provided for study

Results from this paper:

No serious side effects or psychotic symptoms observed

Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Not reported 1.7 Adequately addressed

1.8 Topiramate = 0% Placebo = 4.5% 1.3 Adequately addressed

1.4 Well covered 1.9 Not addressed 1.5 Adequately addressed 1.10 Not applicable

NICKEL2006

Borderline personality disorder: full guideline Appendix 16 DRAFT (June 2008)

DRAFT FOR CONSULTATION n= 52 Study Type: RCT **Data Used** Group 1 N= 26 Study quality 1+ Article reports this study SCL-90 Hostility Age: Mean 22 Aripiprazole. Mean dose 15mg - DOSE: Type of Analysis: ITT was not funded STAXI- Trait Anger 15mg daily this remained constant Sex: 9 males 43 females Blindness: Double blind throughout trial. During follow-up period HARS ppts continued to receive 15mg/daily. Diagnosis: HRSD-24 (Hamilton 1976) Duration (days): Mean 56 83% Depressive disorder Group 2 N= 26 SCL-90 Depression Followup: 18 month Placebo. Mean dose 15mg - DOSE: **Data Not Used** Setting: COUNTRY: Finland 58% Anxiety disorder participants received one matching tablet SCL-90 Other scales Outpatient - symptomatic volunteers containing 15mg inert placebo. During STAXI Other scales follow up period blind was broken and Notes: RANDOMISATION: Conducted 12% Obsessive compulsive disorder Notes: OUTCOMES: taken weekly placebo ppts then received Aripiprozole confidentially by clinic administration, 1:1 ratio or another psychopharmica. chosen. Both ppts and investigators blinded. 71% Somatoform disorder No other info. Info on Screening Process: Ppts recruited via 100% BPD by SCID-I and II (DSM-IV) media advertisements. 57 ppts aged 16 and over telephoned screened to determine if they met DSM-IV criteria for BPD, 5 ppts excluded. Exclusions: - Schizophrenia No futher info on numbers screened current use of psychotropic medication incl aripiprazole current psychotherapy pregnancy (incl planned pregnancy or sexual activity without contraception - current suicidal ideation - current severe somatic illness Notes: ETHNICITY: no data Baseline: Aripiprazole Placebo HRDS 20.3 (4.4) 20.9 (3.9) **HARS** 23.3 (4.1) 22.8 (5.3) State Anger 32.1 (5.3) 31.9 (5.9) Results from this paper: Leaving treatment early due to any reason: N = 5 Internal validity: 1.1 Well covered 1.6 Well covered 1.2 Adequately addressed 1.7 Adequately addressed 1.3 Well covered 1.8 Total 9% (N=5) 1.4 Adequately addressed 1.9 Well covered 1.5 Adequately addressed 1.10 Not applicable PASCUAL2008 Study Type: RCT Data Used Group 1 N= 30 Study quality 1++ GSI Funding: Ministry of Health, Study Description: 2 phases: Selection phase Age: Mean 29 Range 18-45 Ziprasidone. Mean dose 84.1mg/day -Spain; REM-TAP Network; HARS 40mg/day for 1st 2 wks, then flexible 2wk baseline period - 2 evaluation visits to Sex: 49 males 11 females Pfizer dosage, 40-200mg/day. determine baseline. Experimental phase 12wks Leaving treatment early for any reason Diagnosis: of drug/placebo. SCL-90-R Group Psychotherapy - participated in 100% BPD by DSM-IV weekly 2hr nonspecific group Type of Analysis: 'ITT' BDI psychotherapy sessions BIS Blindness: Double blind Group 2 N= 30 Exclusions: 17/30 dropped out of ziprasidone group and **BPRS** Duration (days): Mean 98 14/30 dropped out of placebo group. Reasons inc Placebo - 40mg/day for 1st 2 weeks, then HAM-A hospitalisation, adverse effects/patient decision, clinician flexible, 40-200mg/day. HAM-D-17 Setting: COUNTRY: Spain. Outpatients decision/insufficient treatment effect Group Psychotherapy - participated in Data Not Used

Leaving treatment early due to side-effects -

Pbo group data not reported

CGI - Not being extracted

Notes: ETHNICITY: no info

Baseline:

GCI-BPD

Patients were allowed to continue treatment with

Ziprasidone Placebo

4.78 (0.6) 4.90 (0.8)

they had been initiated prior to inclusion.

HAM-D-17 17.14 (4.5) 19.9 (4.2)

benzodiazapines, antidepressants & mood stabililzers if

Notes: 'ITT' participants data included only if

there was a baseline measure and at least 1

Info on Screening Process: 127; inclu criteria: DSMIV BPD diagnosis; 18-45; CGI severity of

illness score <=4; no comorb with schizoph,

drug-induced psychosis, organic brain

syndrome, alcohol/subs depend, bipolar,

post baseline measure.

weekly 2hr nonspecific group

psychotherapy sessions

Group 3 N=

mental retardation, depressive episode; current contraceptive use.	HAM-A 19.04 (5.0) 20.33 (4.9) BPRS 13.76 (5.1) 15.43 (6.1) BIS 71.47 (18.9) 77.18 (10.7) BDI 46.0 (12.9) 49.0 (10.46) SCL-90-R 2.2 (0.8) 2.71 (0.5)			
RINNE2002				
Study Type: RCT with cross over follow-up	n= 38	Data Used	Group 1 N= 20	Study quality 1+
Study Description: * with structured covariance	Age: Mean 29 Range 18-50	BPD Severity Index impulsivity	Fluvoxamine. Mean dose 150mg - DOSE:	Study supported by the De
matrix	Sex: all females	BPD Severity Index Anger	Initial dose of 150mg/day given for first 6 weeks	Geestgronden Institute of Mental Health, by the
Type of Analysis: unbalanced repeated measure model *	Diagnosis: 29% Depression by Composite International	Weight Change Data Not Used BPD Severity Index rapid mood shifts	Group 2 N= 18	National Fund for Mental Health grant and by Solvay
Blindness: Double blind	Diagnostic Interview (CIDI	Notes: OUTCOMES: taken at baseline, week 6	Placebo - No details given	Pharma
Duration (days): Mean 42	Odo/ Durathy and a law Common aits Intermedian al	Weeks 12 and 24 comprise results of half cross		
Followup: 24 weeks	21% Dysthymia by Composite International Diagnostic Interview (CIDI	over trial. Adverse events recorded every 2 weeks.		
Setting: COUNTRY: Netherlands Mixed sample (community and outpatients) Notes: RANDOMISATION: process not described. Info on Screening Process: Women aged between 18-50 recruited by psychiatric outpatient clinics, community mental health centres & internet/media ads.125 ppts returned screening instrument 78 ppts invited for further diagnostic interviews. Final study group	8% General Anxiety Disorder by Composite International Diagnostic Interview (CIDI 32% Post traumatic stress disorder by Composite International Diagnostic Interview (CIDI 100% BPD by DSM-IV			
comprised 38 ppts	Exclusions: - score of less than 110 on assessment of DSM-IV PD meeting less than 5 of the criteria of SCID - score less than 20 on structured interview BPD Severity index - schizophrenia - bipolar disorder Notes: Dutch version of SCID used.			
	Ppts had to stop taking all psychactive medications after signing informed consent form and all had to be medication free for atleast 2 wks before trial started ETHNICITY: no data			
	Baseline: Fluvoxamine Placebo			
	Fluvoxamine Placebo Rapid mood shifts 7.35 (1.62) 7.51 (1.82) Anger 3.45 (1.94) 4.09 (1.92) Impulsivity 1.39 (0.90) 1.15 (0.86)			
Results from this paper:				
Results from this paper: Internal validity: 1.1 Well covered 1.2 Not reported 1.3 Not addressed 1.4 Not reported 1.5 Well covered 1.5 Well covered 1.10 Not applicable	Placebo = 11%			
Internal validity: 1.1 Well covered 1.2 Not reported 1.3 Not addressed 1.4 Not reported 1.5 Well covered 1.5 Well covered 1.6 Adequately addre 1.7 Well covered 1.8 Fluvoxamine 5% 1.9 Adequately addre 1.10 Not applicable SCHULTZ2008	Placebo = 11% essed			
Internal validity: 1.1 Well covered 1.2 Not reported 1.3 Not addressed 1.4 Not reported 1.5 Well covered 1.6 Adequately addre 1.7 Well covered 1.8 Fluvoxamine 5% 1.9 Adequately addre 1.10 Not applicable SCHULTZ2008 Study Type: RCT	Placebo = 11% essed n= 314	Data Used	Group 1 N= 155	Study quality 1+
Internal validity: 1.1 Well covered 1.2 Not reported 1.3 Not addressed 1.4 Not reported 1.5 Well covered 1.6 Adequately addre 1.7 Well covered 1.8 Fluvoxamine 5% 1.9 Adequately addre 1.10 Not applicable SCHULTZ2008 Study Type: RCT Study Description: multicentre 12wk trial comparing olanzapine with placebo.	Placebo = 11% essed	Self-harm GSI	Olanzapine. Mean dose 7.09mg/day - 2.5 or 5mg/day according to investigators	Funding Eli Lilly (originally supplied as unpublished material Eli Lilly #6257 -
Internal validity: 1.1 Well covered 1.2 Not reported 1.3 Not addressed 1.4 Not reported 1.5 Well covered 1.6 Adequately addre 1.7 Well covered 1.8 Fluvoxamine 5% 1.9 Adequately addre 1.10 Not applicable SCHULTZ2008 Study Type: RCT Study Description: multicentre 12wk trial	Placebo = 11% essed n= 314 Age: Mean 32	Self-harm	Olanzapine. Mean dose 7.09mg/day - 2.5	Funding Eli Lilly (originally supplied as unpublished

Setting: COUNTRY: 52 sites across Europe & US; Outpatients Notes: RANDOMISATION: 1:1 ratio Info on Screening Process: 385; excluded if met criteria for schizophrenia, schizoaffective, schizophreniform, bipolar, delusional disorders, MDD, panic disorder, OCD, sub dep, PTSD, actively suicidal, BMI <17, cluster A PD.	(38%) if placebo group due to adverse event & patient decision Notes: Concomitant use of benzodiazepines/hypnotics allowed during study, episodic use of anticholinergics permitted to treat extrapyramidal symptoms, but not as prophylaxis. Patients permitted to enter study if they had been receiving psychotherapy for >3 m. Baseline: Olanzapine Placebo ZAN BPD 17.0 (5.2) 17.7 (5.2) SCL 90R 1.66 (0.8) 1.79 (0.7) MADRS 12.5 (4.9) 13.2 (4.5) GAF 54.0 (10.0) 53.5 (10.3) OASM aggression 41.2 (57.1) 51.0 (100.8) OASM riritability 5.6 (1.6) 5.6 (1.8) OASM suicidality 1.1 (1.4) 1.2 (1.2) Sheehan 19.0 (6.0) 20.0 (6.4)	SCL-90 Hostility ZAN BPD suicidal/self harm item - no variability measure ZAN BPD intense anger item Data Not Used Sheehan famil life - Not being extracted OAS-M irritability - Not used		
SIMPSON2004 Study Type: RCT Type of Analysis: Completers Blindness: Double blind Duration (days): Mean 91 Setting: COUNTRY: US Partial hospitalisation program Notes: RANDOMISATION: Block assignement to treatment group aimed at minimizing possible confound of comorbid Axis 1 presentations. No other info. Info on Screening Process: Women recruited from admissions to a 5-day DBT-based partial hospital programme. No info on numbers screened.	n= 25 Age: Mean 35 Sex: all females Diagnosis: 60% Major Depressive Disorder by SCID-I 44% Post traumatic stress disorder by SCID-I 100% BPD by SCID-II Exclusions: - Primary diagnosis of substance dependence - seizure disorder - unstable medical conditions - lifetime history of schizophrenia/bipolar - monoamine oxidase inhibitor treatment 2 wks prior - previous adequate trial of fluoxetine - pregnant or lactating women - unwilling to use adequate birth control Notes: All ppts received 12 one hr sessions of individual DBTand participated in weekly 2 hour skills group for 13 weeks. Tarazodone 50-100mg allowed for insomnia. ETHNICITY: 20% African American, 72% White, 8% Native American Baseline: Fluoxetine Placebo BDI 32.11 (10.93) 32.09 (11.76) STAI 119.22 (13.56) 121.82 (10.02) STAXI 25.78 (16.00) 33.73 (14.09) DES 18.89 (16.78) 20.67 (9.18) GAF 49.39 (9.10) 46.58 (5.90) OAS-M aggression 12.56 (22.88) 11.18 (12.44) OAS-M self-injury 11.33 (34.00) 21.00 (62.76) OAS-M suicidality 2.63 (3.78) 2.09 (1.04)	Data Used GAF OAS-M (suicidality) OAS-M (self-injury) OAS-M (agression) STAXI total BDI Data Not Used STAI - data not extractable DES - not extracting this Notes: Medical management meetings held wk 3,5,7,9,11	Group 1 N= 9 Fluoxetine - DOSE: Week 1 20mg/day upto 40mg/day at wk 3. DBT - 12 one hr sessions of individual DBTprovided in line with Linehan 1993 Group 2 N= 11 Placebo - DOSE: Placebo equivalent dose to Fluoxetine. DBT - 12 one hr sessions of individual DBTprovided in line with Linehan 1993	Study quality 1+ Study supported by Department of Psychiatry and Human Behaviour at Brown Medical School and Eli Lilly

Internal validity:

1.6 Well covered 1.7 Well covered 1.1 Well covered

1.8 Fluoxetine = 12% Placebo = 8% 1.3 Not addressed

1.4 Adequately addressed 1.9 Not addressed 1.5 Adequately addressed 1.10 Not applicable

SOLER2005

Study Type: RCT

Type of Analysis: Last observation carried

forward

Blindness: Double blind Duration (days): Mean 72

Setting: COUNTRY: Spain

unclear setting

Notes: RANDOMISATION: ppts randomised on 1:1 ratio basis. Blinding procedure not described. No other info provided.

Info on Screening Process: 125 ppts referred

from clinical services 65 met inclusion criteria

5 dropped out during selection phase During 4 wk selection phase ppts had 3 evaluation visits to establish pre-intervention

baseline

n = 60

Age: Mean 27

Sex: 8 males 52 females

Diagnosis:

100% BPD by DSM-IV

Exclusions: - not meeting DSM-IV criteria for BPD

under age 18, over age 45

comorbid, unstable axis 1 disorder

score less than 4 on GSI

- currently receiving psychotherapy

not using medically accepted contraception

Notes: ETHNICITY: no data

Baseline:

DBT+ placebo 17 items HRDS 22.5 (3.51) 20.67 (3.19)

HARS 26.83 (3.98) 24.36 (3.85) GSI 5.33 (0.88) 4.95 (0.69)

Data Used

CGI HARS

HRSD-17 (Hamilton 1960)

Weight Change - data not extracted yet Visits to emergency psychiatric services

Mean number of Self harm/suicide attempts

Data Not Used

impulsivity/aggressive behaviour - data not extracted yet

Notes: OUTCOMES: Ppts evaluated every 2 weeks by experienced psychiatrist Biweekly reports of dysfunctional behaviours Safety evaluated by assessing adverse events and side effects

Group 1 N= 30

Olanzapine. Mean dose 8.83mg - DOSE: Olanzapine dose flexible and ranged btwn 5-20mg/daily.

DBT - DBTadapted from standard version, 2 interventions applied; skills training and phone calls.

Group Psychotherapy - Ppts took part in weelky 150-minute group psychotherapy

Group 2 N= 30

Placebo - DOSE: no description given.

DBT - DBTadapted from standard version, 2 interventions applied; skills training and phone calls.

Group Psychotherapy - Ppts seen weekly for 150 minute group psychotherapy.

Study quality 1+ Study supported by grants from the Ministry of Health. Spain and from Eli Lilly & Co Madrid

Results from this paper:

Leaving treatment early due to any reason: Olanzapine N= 8; Placebo N = 10 (No reasons given).

Internal validity:

1.1 Well covered 1.6 Poorly addressed

1.2 Adequately addressed 1.7 Well covered

1.3 Not addressed 1.8 Olanzapine= 27% Placebo = 33%

1.4 Not addressed 1.9 Well covered

1.5 Adquately addressed 1.10 Not applicable

SOLOFF1989

Study Type: RCT

Type of Analysis: Completers

Blindness: Double blind Duration (days): Mean 42

Settina:

COUNTRY:US

Inpatient (hospital)

Notes: RANDOMISATION: Process not described. Raters blind to medication assignment but not to subtype diagnoses or

DIB scores. No other info.

Info on Screening Process: Ppts referred from both inpatient & outpatient divisions of

psychiatric institute

No info on number screened

90 consecutively admitted patients meeting DIB

criteria were begun in protocol.

n= 90

Age: Mean 25

Sex: 22 males 68 females

Diagnosis:

39% Unstable BPD by DSM-IIIR

4% SPD by DSM-IIIR

57% Mixed BPD&SPD by DSM-IIIR

Exclusions: - schizophrenia

schizoactive disorder manic disorder

bipolar disorder with mania

hypomania

Notes: BPD also defined by DIB with cut off score of 7> 7-day washout period from all medications then rated for syptom severity before random assignment of medications.

Plasma obtained wkly ETHNICITY: no data

Baseline:

Amitriptyline Haloperidol

Placebo

Data Used IMPS

SCL-90 Hostility

BDI

HRSD-24 (Hamilton 1960)

Barratt Impulsiveness Scale (BIS)

Data Not Used

GAS - data not extracted yet

Schizotypal Symptom Inventory (SSI) - data not extracted vet

Self-report test of impluse control (STIC) - data Group 3 N= 28 not extracted yet

Buss-Durkee Hostility Inventory (BDHI) - data not extracted yet

Ward Scale of Impulse Action Reactions developed for study

Notes: OUTCOMES:Outcomes taken weekly

Group 1 N= 29

Amitriptyline. Mean dose 149.1mg -DOSE: 25mg given twice daily & increased by 2 tablets on alternate days max of 6 tablets max dose = 150mg

Group 2 N= 28

Haloperidol. Mean dose 4.8mg -DOSE:2mg given twice daily & increased by 2 tablets on alternate days to max of 6 tablets max dose = 12mg

Placebo - DOSE: 2mg placebo tablet given twice daily & increased by 2 tablets on alternate days to max of 6 tablets max dose= 12mg placebo

Study quality 1+ Study supported by National Institute of Mental Health grant and Clinical Research Centre grant

	GAS	43.07 (5.36)	41.23 (5.48)	42.17 (5.27)		
	SCL-90	1.64 (0.68)	1.91 (0.70)	1.84 (0.68)		
	HAM-D 17	17.04 (4.66)	18.04 (4.66)	17.67 (4.93)		
	HAM-D 24	24.79 (7.00)	25.52 (6.00)	24.95 (7.11)		
	BDI	30.21 (9.76)	35.04 (9.30)	30.17 (12.17)		
		(/	(/	()		
sults from this paper:						
calle from the paper.						

Leaving treatment for any reason: N = 5 - data not provided per group

Internal validity:

1.1 Well covered 1.6 Well covered 1.7 Well covered 1.2 Not reported

1.3 Not addressed 1.8 Total number dropping out N= 5

1.4 Poorly reported 1.9 Adequately addressed

1.5 Adequately addressed 1.10 Not applicable

SOLOFF1993

Study Type: RCT

Type of Analysis: unclear Blindness: Double blind Duration (days): Mean 35

Followup: continuation phase 16 wks

Setting: COUNTRY: US

Inpatients then discharged after 2 weeks and followed up in community

Notes: RANDOMISATION: process not described and no details on blinding procedure.

Info on Screening Process: Ppts recruited from

inpatient services

No info on numbers screened

108 consecutively admitted borderline patients randomly assigned to one of 3 conditions

n= 108

Age: Mean 27

Sex: 26 males 82 females

Diagnosis:

71% Major Depressive Disorder

47% Atypical Depressive Disorder

44% Hysteroid Dysphoria

0% SPD

39% BPD by DSM-IIIR

61% Mixed BPD&SPD by DSM-IIIR

Exclusions: - drug/alcohol-related deficits/physical dependence

- central nevous system disease
- recent electroconvulsive therapy
- formal diagnosis of seizure disorder
- borderline mental retardation

Notes: DIB scaled score >7 used to determine diagnosis of

7 day washout period from all medication Ppts remained in hopspital for 2wks after beginning medication regimen. Continuation phase after 5 wks acute treatment trial lasted 16wks

ETHNICITY: no data

Baseline:

Phenelzine Haloperidol Placebo Ham-D-24 24.35 (6.38) 25.83 (4.68) 25.79 (6.79) Ham-D-17 17.53 (4.38) 18.57 (3.48) 18.07 (4.36) BDI 31.55 (8.09) 37.23 (10.7) 34.07 (9.51) SCL-90 Dep. 2.63 (0.67 2.71 (0.77) 2.87 (0.35) ADI Total 7.38 (2.36) 6.20 (2.20) 6.79 (2.33)

Data Used

SCL-90 Hostility

HRSD-24 (Guy 1970)

BDI

SCL-90 Depression

IMPS

Atypical Depression Inventory total

GAS

GSI

Barratt Impulsiveness Scale (BIS)

Self-report test of impluse control (STIC)

Buss-Durkee Hostility Inventory (BDHI)

Data Not Used

Schizotypal Symptom Inventory (SSI)

HRSD-17

SCL-90 Obsessive-compulsive

Ward Scale of Impulse Action Reactions developed for study

BSI (self report)

SCL-90 Other scales

Notes: OUTCOMES: % of platelet MAO inhibition taken on wkly basis for 5 wks

CONTINUATION PHASE: Wkly research ratings for 1st 4 weeks, bi-wkly ratings for remaining 12

weeks. Medication compliance assessed by counting pills & mnthly Haloperidol levels & MOA

Group 1 N= 38

Phenelzine Sulfate. Mean dose 60.45mg - DOSE: Pts titrated to 60mg within week1. Adjustment and stabilisation of dose in 2nd wk. Max dose 90ma, CONTINUATION PHASE: Dose remained unchanged except in few cases where lowered to minimize side effects or increased to enhance efficacy.

Group 2 N= 36

Haloperidol. Mean dose 3.93mg - DOSE: Pts titrated to 4mg within week 1. Adjustment and stabilisation of dose in 2nd wk Max dose 6mg. CONTINUATION PHASE: Dose remained unchanged except in few cases where lowered to minimize side effects or increased to enhance efficacy.

Group 3 N= 34

Placebo. Mean dose 4.31tablets - DOSE: Pts titrated to 4 tablets within week 1 Max dose 6 tablets. CONTINUATION PHASE: Dose remained unchanged except in few cases where lowered to minimize side effects or increased to enhance efficacy.

Study quality 1+ Study supported by USPHS Grants and National Institute Mental Health Grant and Clinical Research Centre grant

Results from this paper:

Leaving treatment for any reason N = 32 no other details given and data not broken down by groups

Internal validity:

1.1 Well covered 1.6 Well covered 1.2 Not reported 1.7 Well covered

1.8 Overall 29.6% dropped out 1.3 Not addressed

1.4 Not reported 1.9 Not addressed 1.5 Adequately addressed 1.10 Not applicable

TRITT2003

Study Type: RCT

Type of Analysis: ITT Blindness: Double blind Duration (days): Mean 56

Setting: COUNTRY: Finland

Outpatient - symptomatic volunteers

Notes: RANDOMISATION: conducted confidentially in secrecy by clinic administration section and arranged in 2:1 ratio. Both ppts and investigators blinded.

Info on Screening Process: Women aged between 20-40 yrs recruited via advertisements in GP practices

GPs recommended 72 women of which 56 agreed to participate, 38 eligible to take part in study: power calculations required 27 ppts

n= 27

Age: Mean 29 Range 20-40

Sex: all females

Diagnosis:

100% BPD by SCID-I and II (DSM-IV)

Exclusions: - schizophrenia

- major depression
- bipolar disorder
- current use of Lamotrigine
- current use of other psychotropic medication
- current psychotherapy
- pregnant or planning pregnancy
- not using contraception
- somatically ill
- actively suicidal
- abusing alcohol or drugs

Notes: Tablets were supplied in numbered boxes. Side effects monitored weekly via non-structured questionnaire.

ETHNICITY: no data

Raseline

Dacomic.		
	Lamotrigine	Placebo
State anger	32.2 (3.5)	31.7 (3.9)
Trait anger	30.7 (3.7)	29.4 (3.2)
Anger in	22.3 (3.5)	23.2 (3.3)
Anger out	25.3 (3.5)	24.8 (3.1)
Anger control	17.2 (2.9)	17.9 (2.3)

Data Used

Weight Change STAXI- Trait Anger

Data Not Used

STAXI Other scales

Notes: OUTCOMES: STAXI administed weekly.

Group 1 N= 18

Lamotrigine. Mean dose Not reported -DOSE: Initial dose for first 2wks 50mg daily, titrated to 100mg in 3rd week then to 150mg in 4th and 5th week and to 200mg daily in the 6th. 7th and 8th week.

Group 2 N= 9

Placebo. Mean dose not reported -DOSE: Ppts received one blinded capsule medication (placebo) daily. Study quality 1+ Funding unclear

Results from this paper:

Leaving treatment early due to adverse events (febrile infection): Lamotrigine N = 1; Placebo N = 1 Leaving treatment due to any reason: Placebo N = 1.

No serious side effects observed

Internal validity:

1.1 Well covered 1.6 Adequately addressed 1.2 Adequately addressed 1.7 Adequately addressed

1.3 Well covered 1.8 Lamotrigine = 5.5% Placebo = 22%

1.4 Well covered 1.9 Well covered 1.5 Well covered 1.10 Not applicable

ZANARINI2001

Study Type: RCT

Type of Analysis: Completers analysis

Blindness: Double blind Duration (days): Mean 168

Setting: COUNTRY: US

Outpatient - symptomatic volunteers

Notes: RANDOMISATION: ppts randomised according to a 2:1randomised sequence number. Both ppts and investigators blinded - n = 28

Age: Mean 27

Sex: all females

Diagnosis: 100% BPD by DSM-IV

Exclusions: - Patients previously treated with Olanzapine

- medically ill - had seizure disorder

currently on psychotropic medication

Data Used

Weight Change

Data Not Used

SCL-90 - not extractable

Notes: OUTCOMES TAKEN: Every week for the first month, then monthly for the next 5 months. | Group 2 N=9

Group 1 N= 19

Olanzapine. Mean dose 5.33mg - DOSE: Initial dose 1/2 tablet (2.5mg) of Olanzepine. Dose adjusted according to perceived response&side effects

Placebo. Mean dose 1.2 tablets - DOSE: Participants received 1/2 a tablet of matching inert placebo to olazepine. Dose increased according to need: ppts received maximum of 1.2 tablets daily.

Study quality 1++ Study supported by grant from Eli Lilly

no details on process provided.

Info on Screening Process: Women aged between 18-40 recruited via ads in newspapers. 30 subjects completed pre-randomization assessments, 2 excluded from further study due to responding well to SSRI treatment. 28 entered into trial and randomised. No info on number screened

- actively abusing alcohol or drugs
- acutely suicidal
- pregnant
- breastfeeding
- planning to become pregnant
- not using reliable forms of contraception

Notes: Face-to-face interview plus informed consent. At each visit patients filled in series of assessment forms.

ETHNICITY: White 67%, non-white 33%

Baseline:

SCL-90 Olanzapine Placebo Sensitivtv 2.57 (0.64) 2.24 (0.75) 2.26 (0.82) 1.76 (0.41) Anxiety Depression 2.58 (1.03) 2.42 (0.37) 2.16 (0.71) 1.89 (0.85) Anger Paranoia 2.39 (0.78) 1.93 (0.92)

Results from this paper:

Leaving treatment early due to adverse events - Olanzepine N = (6) Placebo N = (2) and lost to follow up Olanzepine N = (5) Placebo N = (6).

Side effects: Minor sedation - Olanzapine N= 8/19 (42.1%) Placebo N = 3/9 (33.3%)

Constipation - Olanzapine N = 6/19 (31.6%) Placebo N = 0/9 Weight gain - Olanzapine N = 9/19 (47.4%) Placebo N = 0/9

Internal validity:

1.1 Well covered 1.6 Well covered 1.2 Well covered 1.7 Well covered

1.3 Well covered 1.8 Olanzepine = 57.89% Placebo = 88.88%

1.9 Adequately addressed 1.4 Well covered 1.5 Well covered 1.10 Not applicable

ZANARINI2003

Study Type: RCT

Type of Analysis: Completers

Blindness: Double blind Duration (days): Mean 56

Setting: COUNRTY: US

Outpatient - symptomatic volunteers

Notes: RANDOMISATION: Ppts randomised in 2:1 ratio, no other info given. No description of blinding procedure.

Info on Screening Process: No info on numbers

Women aged between 18 and 40 recruited via adverstisements in local newspapers

n = 30

Age: Mean 26 Range 18-40

Sex: all females

Diagnosis:

100% BPD by DIB_R

Exclusions: - medically ill

- currently taking psychotropic medication
- taking E-EPA supplements
- eating more than 1-2 servings of fatty fish per week
- -actively abusing alcohol or drugs
- acutely suicidal
- current or lifetime criteria for schizophrenia, schizoaffective
- disorder, or bipolar I or II disorder
- currently in midst of major depressive episode

Notes: SCID also administered to determine BPD diagnosis.

Side effects monitored via structured questionnaire at each visit.

Baseline:

E-EPA Placebo **MADRS** 17.7 (8.4) 18.0 (3.1) MOAS 22.7 (38.1) 27.6 (23.6)

Data Used

OAS-M mean score over 4 weeks

MADRS

Self-harm

Notes: OUTCOMES: weekly for first month and then biweekly for next month

Group 1 N= 20

E-EPA (omega 3). Mean dose 100mg -DOSE: 2 capsules per day (beginning the day after baseline assessment). Each capsule contained 500mg of 97% E-EPA.

Group 2 N= 10

Placebo, Mean dose 100mg - DOSE: 2 capsules identical to active treatment administered daily. Each capsule contained 500mg of mineral oil.

Study quality 1+ Study supported by Independent Investigator Award from the National Alliance for Research on Schizophrenia and Depression

Results from this paper:

Internal validity:

- 1.1 Well covered 1.6 Adequately addressed
- 1.2 Adequately addressed 1.7 Well covered
- 1.8 E-EPA 10% Placebo = 10% 1.3 Not reported Borderline personality disorder: full guideline Appendix 16 DRAFT (June 2008)

1.4 Not addressed 1.9 Not addressed 1.5 Well covered 1.10 Not applicable

ZANARINI2004

Study Type: RCT

Blindness: Double blind Duration (days): Mean 56

Setting: COUNRTY:US

Outpatient - symptomatic volunteers

Notes: RANDOMISATION: equal numbers of ppts assigned to each group. Both ppts and investigators blinded to study assignment. No other info.

Info on Screening Process: Ppts recruited via media ads

No info on numbers screened. 45 ppts entered the trial, all randomised to one of three

treatment groups

Data Used MADRS

Age: Mean 23 OAS-M Sex: all females

Diagnosis:

n= 45

93% Mood disorder

51% Substance use disorder

49% Anxiety disorder

44% Eating disorder

100% BPD by DIB R

Exclusions: - Previously successfully treated with fluoxetine or olanzapine

- medically ill
- seizure disorder
- current use of psychotropic medication
- actively abusing alcohol or drugs
- acutely suicidal
- pregnant, breastfeeding or planning pregnancy
- not using reliable forms of contraception
- currrent major depressive disorder
- lifetime schizophrenia
- schizoaffective disorder
- bipolar disorder

Notes: DSM-IV also used to determine BPD diagnosis Dose adjusted by unblinded psychiatrist according to perceived response and side effects.

Baseline:

Fluoxetine Olanzepine OFC OAS-M 23.21 (19.69) 27.81 (22.89) 25.00 (19.42) MADRS 14.43 (4.47) 18.81 (7.19) 16.20 (6.32)

Group 1 N= 14

Weight Change - data not extracted yet

Notes: OUTCOMES: taken at end point

Fluoxetine. Mean dose 15mg - DOSE: Initial dose 1 capsule fluoxetine containing 10mg, plus 1 capsule containing placebo. Mean dose at endpoint evaluation = 15.0mg (SD= 6.5mg) Range (10-30mg)

Group 2 N= 16

Olanzapine, Mean dose 3.3mg - DOSE: Initial dose one capsule containing 2.5mg Olanzapine plus one capsule of placebo. Mean dose at endpoint evaluation = 3.3mg (SD= 1.8mg) Range 2.5-7.5mg.

Group 3 N= 15

Fluoxetine Olanzapine combined. Mean dose 12.7mg + 3.2mg - DOSE: Initial dose one capsule 10mg Fluoxetine plus one capsule 2.5mg Olanzapine. Mean dose at endpoint evaluation 12.7mg Fluoxetine and 3.2mg Olanzapine.

Study quality 1+ Study supported by grant from Eli Lilly. Indianapolis

Results from this paper:

% treatment early due to adverse events N = 2 (1 OFC group due to dizziness and headaches fand 1 in Fluoxetine group due to suicidal gesture). Leaving treatment early due to any reason N = 1 (OFC ppt loss to follow up).

> Fluoxetine Olanzapine OFC

Side effects: Mild sedation N = 3 (21.4%) N = 12 (75%) N = 7 (46.7%)

Mild akathisia N = 5 (35.7%) N = 4 (25 %) N = 5 (33.3%)

Internal validity:

1.1 Well covered 1.6 Well covered 1.2 Poorly addressed 1.7 Well covered

1.3 Not reported 1.8 Fluoxetine = 7% OFC = 13.3%

1.4 Well covered 1.9 Not reported 1.5 Well covered 1.10 Not applicable

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
GOLDBERG1986	(Thiotixine vs placebo) Small BPD sample
LINKS1990	(Lithium therapy vs Desipramine vs Placebo) cross over trial

_	IVALLI TON OCHOOLIATION		
	MONTGOMERY1983	(Mianserin vs Placebo)Primary inclusion criteria: admission for suicidal act plus 2 or more episodes of previous self harm.	
	PHILIPSEN2004A	aloxone vs Placebo) Naloxone can only be injected and therefore is t an acceptable option for BPD	
SALZMAN1995		(Fluoxetine vs placebo) Too mild diagnosis of BPD	
I	SERBAN1984	(Thiothixine vs Haloperidol) Small BPD sample	

References of Included Studies

BELLINO2006B (Unpublished and Published Data)

Bellino, S., Zizza, M., Rinaldi, C., & Bogetto, F. (2006). Combined treatment of major depression in patients with borderline personality disorder: a comparison with pharmacotherapy. Canadian Journal of Psychiatry - Revue Canadienne de Psychiatrie., 51, 453-460.

BELLINO2007 (Published Data Only)

Bellino,S.; Zizza,M.; Rinaldi,C.; Bogetto,F. (2007) Combined therapy of major depression with concomitant borderline personality disorder: comparison of interpersonal and cognitive psychotherapy. La Revue canadienne de psychiatrie, 52, 718-725.

BOGENSCHUTZ2004 (Unpublished and Published Data)

Bogenschutz, M. P. & George, N. (2004). Olanzapine versus placebo in the treatment of borderline personality disorder. Journal of Clinical Psychiatry., 65, 104-109.

DE LA FUENTE1994 (Published Data Only)

De la Fuente, J.M. & Lotstra, F. (1994). A trial of carbamazepine in borderline personality disorder. European Neuropsychopharmacology., 4, 479-486.

ELILILLY2006 (Unpublished Data Only)

Efficacy and safety of Olanzapine in patients with Borderline Personality Disorder: A randomized, flexible-dose, double-blind comparison with placebo

ELILILLY2007 (Published Data Only)

Efficacy and safety of Olanzapine in patients with borderline personality disorder: a randomized double-blind comparison with placebo (2007).

FRANKENBURG2002 (Published Data Only)

Frankenburg, F. R. & Zanarini, M. C. (2002). Divalproex sodium treatment of women with borderline personality disorder and bipolar II disorder: a double-blind placebo-controlled pilot study. Journal of Clinical Psychiatry., 63, 442-446.

HALLAHAN2007 (Published Data Only)

Hallahan, B., Hibbeln, JR., Davis, JM., & Garland, MR. (2007). Omega-3 fatty acid supplementation in patients with recurrent self-harm. Single centre double-blind randomised controlled trial. British Journal of Psychiatry, 190, 118-122

HOLLANDER2001 (Published Data Only)

Hollander, E., Allen, A., Lopez, R. P., Bienstock, C. A., Grossman, R., Siever, L. J. et al. (2001). A preliminary double-blind, placebo-controlled trial of divalproex sodium in borderline personality disorder. Journal of Clinical Psychiatry., 62, 199-203.

HOLLANDER2003 (Published Data Only)

Hollander, E., Swann, A. C., Coccaro, E. F., Jiang, P., & Smith, T. B. (2005). Impact of trait impulsivity and state aggression on divalproex versus placebo response in borderline personality disorder. American Journal of Psychiatry., 162, 621-624.

*Hollander, E., Tracy, K.A., Swann, A.C., Coccaro, E.F., McElroy, S.L., Woznaik, P, Sommerville, K.W., & Nemeroff, C.B. (2003). Divalproex in the treatment of impulsive aggression:efficacy in cluster B personality disorders. Neuropsychopharmacology, 28, 1186-1197.

LEONE1982 (Published Data Only)

Leone, N. F. (1982). Response of borderline patients to loxapine and chlorpromazine. Journal of Clinical Psychiatry., 43.

LOEW2006 (Published Data Only)

Loew, T. H., Nickel, M. K., Muehlbacher, M., Kaplan, P., Nickel, C., Kettler, C. et al. (2006). Topiramate treatment for women with borderline personality disorder: A double-blind, placebocontrolled study. Journal of Clinical Psychopharmacology., 26.

NICKEL2004 (Published Data Only)

Nickel, M. K., Nickel, C., Mitterlehner, F. O., Tritt, K., Lahmann, C., Leiberich, P. K. et al. (2004). Topiramate treatment of aggression in female borderline personality disorder patients: a double-blind, placebo-controlled study. Journal of Clinical Psychiatry., 65, 1515-1519.

NICKEL2005 (Published Data Only)

Nickel, M. K., Nickel, C., Kaplan, P., Lahmann, C., Muhlbacher, M., Tritt, K. et al. (2005). Treatment of aggression with topiramate in male borderline patients: a double-blind, placebo-controlled study. Biological Psychiatry., 57, 495-499.

NICKEL2006 (Published Data Only)

Nickel, M. K., Muehlbacher, M., Nickel, C., Kettler, C., Pedrosa, G., Bachler, E. et al. (2006). Aripiprazole in the treatment of patients with borderline personality disorder: a double-blind, placebocontrolled study. American Journal of Psychiatry., 163, 833-838.

PASCUAL2008 (Published Data Only)

Pascual, J.C.; Soler, J.; Puigdemont, D.; Perez-Egea, R; Tiana, T; Alvarez, E.; Perez, V. (2008). Ziprasidone in the treatment of borderline personality disorder: a double-blind placebo-controlled randomized study. Journal of Clinical Psychiatry e1-e6.

RINNE2002 (Published Data Only)

Rinne, T., Van, D., Wouters, L., & Van, D. (2002). SSRI treatment of borderline personality disorder: a randomized, placebo-controlled clinical trial for female patients with borderline personality disorder. [see comment]. American Journal of Psychiatry., 159, 2048-2054.

SCHULTZ2008 (Unpublished and Published Data)

Olanzapine for the treatment of borderline personality disorder: a variable-dose, 12-week, randomized, double-blind, placebo-controlled study. (in press) Schulz, S.C.; Zanarini, M.C.; Bateman, A.; Bohus, M.; Detke, H.C; Trzaskoma, Q; Tanaka, Y.; Lin, D.; Deberdt, W.; Corya, S. British Journal of Psychiatry.

SIMPSON2004 (Published Data Only)

Simpson, E. B., Yen, S., Costello, E., Rosen, K., Begin, A., Pistorello, J. et al. (2004). Combined dialectical behavior therapy and fluoxetine in the treatment of borderline personality disorder. Journal of Clinical Psychiatry., 65, 379-385.

SOLER2005 (Published Data Only)

Soler, J., Pascual, J. C., Campins, J., Barrachina, J., Puigdemont, D., Alvarez, E. et al. (2005). Double-blind, placebo-controlled study of dialectical behavior therapy plus olanzapine for borderline personality disorder. American Journal of Psychiatry., 162, 1221-1224.

SOLOFF1989 (Published Data Only)

Soloff, P. H., George, A., Nathan, S., & et, a. (1986). Amitriptyline and haloperidol in unstable and schizotypal borderline disorders. Psychopharmacology Bulletin., 22.

SOLOFF1993 (Published Data Only)

Soloff, P. H., Cornelius, J., George, A., Nathan, S., Perel, J. M., & Ulrich, R. F. (1993). Efficacy of phenelzine and haloperidol in borderline personality disorder. Archives of General Psychiatry., 50, 377-385.

TRITT2003 (Published Data Only)

Tritt, K., Nickel, C., Lahmann, C., Leiberich, P. K., Rother, W. K., Loew, T. H. et al. (2003). Lamotrigine treatment of aggression in female borderline-patients: a randomized, double-blind, placebo-controlled study. Journal of Psychopharmacology..

ZANARINI2001 (Published Data Only)

Zanarini, M. C. & Frankenburg, F. R. (2001). Olanzapine treatment of female borderline personality disorder patients: a double-blind, placebo-controlled pilot study.[see comment]. Journal of Clinical Psychiatry., 62, 849-854.

ZANARINI2003 (Published Data Only)

Zanarini, M. C. & Frankenburg, F. R. (2003). omega-3 Fatty acid treatment of women with borderline personality disorder: a double-blind, placebo-controlled pilot study. American Journal of Psychiatry., 160, 167-169.

ZANARINI2004 (Published Data Only)

Zanarini, M.C.; Frankenburg, F.R.; Parachini, E.A. (2004)

A preliminary, randomized trial of fluoxetine, olanzapine, and the olanzapine-fluoxetine combination in women with borderline personality disorder. Journal of Clinical Psychiatry, 65, 903-907

References of Excluded Studies

GOLDBERG1986 (Published Data Only)

Goldberg, S. C., Schulz, S. C., Resnick, R. J., Hamer, R. M., & Schulz, P. M. (1987). Differential prediction of response to thiothixene and placebo in borderline and schizotypal personality disorders. Psychopharmacol.Bull., 23, 342-346.

LINKS1990 (Published Data Only)

Links, P.S., Steiner, M., Boiago, I & Irwin, D. (1990). Lithium therapy for borderline patients: preliminary findings. Journal of Personality Disorders, 4 (2) 173-181

MONTGOMERY1983 (Published Data Only)

Montgomery, S. A., Roy, D., & Montgomery, D. B. (1983). The prevention of recurrent suicidal acts. British Journal of Clinical Pharmacology., 15 Suppl 2, 183S-188S.

PHILIPSEN2004A (Published Data Only)

Philipsen, A., Schmahl, C., & Lieb, K. (2004). Naloxone in the treatment of acute dissociative states in female patients with borderline personality disorder. Pharmacopsychiatry., 37, 196-199.

SALZMAN1995 (Published Data Only)

Salzman, C., Wolfson, A. N., Schatzberg, A., Looper, J., Henke, R., Albanese, M. et al. (1995). Effect of fluoxetine on anger in symptomatic volunteers with borderline personality disorder. Journal of Clinical Psychopharmacology., 15, 23-29.

SERBAN1984 (Published Data Only)

Serban, G. & Siegel, S. (1984). Response of borderline and schizotypal patients to small doses of thiothixene and haloperidol. American Journal of Psychiatry., 141, 1455-1458.

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Characteristics Table for The Clinical Question: Role of inpatient services

Comparisons Included in this Clinical Question

inpatient care (non-comparative)
ANTIKAINEN1992
ANTIKAINEN1994
A NITIK A INITAIA OOF

Methods Participants Outcomes Interventions Interventions Suly Descriptor: investigates the efficacy of hospital treatment of sewere PDs. treatment programme includes dynamic psychotheracy & psychopharacoccipical treatment of sewere PDs. treatment programme includes dynamic psychotheracy & psychopharacoccipical treatment of sewere PDs. treatment programme includes dynamic psychotheracy & psychopharacoccipical treatment of sewere PDs. treatment psychotheracy & psychopharacoccipical treatment of sewere PDs. treatment programme includes dynamic psychotheracy & patients also participanted in group therapy sessions was 25 during hospital treatment of the programme includes dynamic psychotheracy and programme includes dynamic psychotheracy & patients also participanted in group therapy sessions was 25 during hospital treatment of the psychopharacoccipical programme includes dynamic psychotherapy and programme includes dynamic psychotherapy and psychopharacoccipical programme includes dynamic psychotherapy and psychopharacoccipical psychotherapy and psychopharacoccipical psychopharacoccipic	
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Blindness: Open Duration (days): Mean 88 Range 21-296 Setting: FINLAND; inpatients 39% Major Depressive Disorder 15% Adjustment disorder 3% Substance use disorder Notes: diagnoses are for end of treatment Baseline: Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
Setting: FINLAND; inpatients 39% Major Depressive Disorder 15% Adjustment disorder 3% Substance use disorder Notes: diagnoses are for end of treatment Baseline: Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
15% Adjustment disorder 3% Substance use disorder Notes: diagnoses are for end of treatment Baseline: Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
3% Substance use disorder Notes: diagnoses are for end of treatment Baseline: Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
Notes: diagnoses are for end of treatment Baseline:	
Baseline: Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
Mean (SD) HDRS 19.6 (7.4) BDI 13.8 (7.6)	
HDRS 19.6 (7.4) BDI 13.8 (7.6)	
ANTIKAINEN1995	
Study Type: non-comparative n= 62 Data Used Group 1 N= 62	
Study Description: follow-up Age: Mean 32 HDRS (21 items) Hospitalisation - individual and group	
Type of Analysis: completers BDI therapy sessions twice a week, ward meetings, committees & creative	
Blindness: Diagnosis: activities, psychotropic medication	
Duration (days): Mean 88 Range 21-296 32% Personality Disorder by DSM-IIIR	
Followup: 3 years Exclusions: 20 patients lost to follow-up, 2 had died - 1	

DRAFT FOR CONSULTATION			
	suicide, 1 road traffic accident		

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
JAKUBCZYK2001	no data, discussion paper
JONES1989	no data, describes model & case study

References of Included Studies

ANTIKAINEN1992 (Published Data Only)

Antikainen,Risto; Lehtonen,Johannes; Koponen,HannuJ; Arstila,Asle (1992) The effect of hospital treatment on depression and anxiety in patients with borderline personality organization. Nordic Journal of Psychiatry, 46, 399-405.

ANTIKAINEN1994 (Published Data Only)

Antikainen, Risto; Koponen, HannuJ; Lehtonen, Johannes; Arstila, Asle (1994) Factors predicting outcome of psychiatric hospital treatment in patients with borderline personality organization. Nordic Journal of Psychiatry, 48, 177-185.

ANTIKAINEN1995 (Published Data Only)

Antikainen,R.; Hintikka,J.; Lehtonen,J.; Koponen,H.; Arstila,A. (1995) A prospective three-year follow-up study of borderline personality disorder inpatients. Acta Psychiatrica Scandinavica, 92, 327-335.

References of Excluded Studies

JAKUBCZYK2001 (Published Data Only)

Jakubczyk, A.; Zechowski, C.; Namyslowska, I. (2001) Treatment of adolescent borderline patients in a psychiatric unit. Archives of Psychiatry and Psychotherapy, 3, 65-72.

JONES1989 (Published Data Only)

Jones, J.M.; Pearson, G.T.; Dimpero, R. (1989) Long-term treatment of the hospitalized adolescent and his family: an integrated systems-theory approach. Adolescent Psychiatry, 16, 449-472.

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Characteristics Table for The Clinical Question: Risk factors for suicide in people with borderline personality disorder.

Comparisons Included in this Clinical Question

Adolescent general psychiatric / non specific personality disorder

BRENT1993 RUNESON1991 STONE1992 YOUNG1995 Adolescent MDD compared with BPD

HORESH2003A HORESH2003B General psychiatric / non specific personality disorder populations

BARBER1998
YEN2004
YEN2005
ZISOOK1994

People with BPD
BRODSKY1997
FYER1988
LINKS2007

PARIS1989

SOLOFF1994

People with depression with & without comorbid BPD

CORBITT1996 SOLOFF2000 Suicidality in people with & without BPD

BERK2007

Characteristics of Included Studies

Methods	Participants	Outcomes	Interventions	Notes
BARBER1998				
Study Type: non-comparative	n= 135			
Study Description: Interviewed psychiatric	Age: Mean 38			
inpatients concerning aborted suicide attempts.	Sex: 66 males 69 females			
Type of Analysis: n/a	Diagnosis:			
Blindness: n/a	40% Major Depressive Disorder			
Duration (days): Setting: US; inpatients	27% Schizophrenia			
Notes: Participants randomly selected on weekly basis from inpatient admissions.	15% Bipolar II disorder			
Info on Screening Process: 416; Inclusion criteria: <18 years, English speaking, able to consent & complete interview. Exclusion criteria: severe dementia, mental retardation, psychosis, severe agitation	18% Drug/alcohol abuse/dependence 13% BPD			
	Notes: ETHNICITY: 56% white, 20% black, 19% hispanic, 6% asian or other.			
BERK2007				
Study Type: observational study	n= 180			
Study Description: compared recent suicide attempters with & without BPD	Age: Mean 34 Range 18-64 Sex: 77 males 103 females			
Type of Analysis: n/a	Diagnosis:			
Blindness: n/a	36% BPD by DSM-IV			
Duration (days):				
Setting: US; indivs presenting to emergency dept of hosp having made suicide attempt	Notes: ETHNICITY: 63% African-American, 228% White, 9% Latino, Asian American, Native American or unspecified			
Info on Screening Process: Exclusions: <16 years, unable to understand study procedures/give informed consent, signif medical condition that would limit participation, unable to provide at least 2 contacts to aid in				

	$\neg \neg$	-		
	+			
n= 66		ļ ļ		
Age: Mean 16 Range 13-19		l		
Sex: 40 males 26 females				
Diagnosis:				
21% BFD by D3M-IIIR				
20% Narcisisstic PD by DSM-IIIR				
12% Histrionic PD by DSM-IIIR				
35% Passive-aggressive by DSM-IIIR				
36% Avoidant PD by DSM-IIIR				
20% OCPD by DSM-IIIR				
61% Major Depressive Disorder by DSM-III				
		l		
21% Bipolar spectrum disorder by DSM-III				
19% Dysthymia by DSM-III		l		
34% Substance abuse by DSM-III		l		
5470 Gubstance abuse by Down				
63% Conduct Disorder by DSM-III				
20% ADHD by DSM-III				
2007 A				
32% Anxiety disorder by DSM-III				
7% Schizoid PD by DSM-IIIR		l		
6% Schizotypal by DSM-IIIR				
20% Paranoid PD by DSM-IIIR				
Notage ETHNICITY: 999/ white		l		
Notes. ETHINICITT. 00% Wille		l		
n= 214				
Age:		l		
100% BPD by DSM-IIIR				
		l		
	Age: Mean 16 Range 13-19 Sex: 40 males 26 females Diagnosis: 21% BPD by DSM-IIIR 20% Narcisisstic PD by DSM-IIIR 12% Histrionic PD by DSM-IIIR 35% Passive-aggressive by DSM-IIIR 36% Avoidant PD by DSM-IIIR 20% OCPD by DSM-IIIR 61% Major Depressive Disorder by DSM-III 21% Bipolar spectrum disorder by DSM-III 19% Dysthymia by DSM-III 34% Substance abuse by DSM-III 63% Conduct Disorder by DSM-III 20% ADHD by DSM-III 32% Anxiety disorder by DSM-IIIR 6% Schizotypal by DSM-IIIR 6% Schizotypal by DSM-IIIR Notes: ETHNICITY: 88% white	Age: Mean 16 Range 13-19 Sex: 40 males 26 females Diagnosis: 21% BPD by DSM-IIIR 20% Narcisisstic PD by DSM-IIIR 12% Histrionic PD by DSM-IIIR 35% Passive-aggressive by DSM-IIIR 36% Avoidant PD by DSM-IIIR 20% OCPD by DSM-IIIR 61% Major Depressive Disorder by DSM-III 21% Bipolar spectrum disorder by DSM-III 19% Dysthymia by DSM-III 34% Substance abuse by DSM-III 63% Conduct Disorder by DSM-III 20% ADHD by DSM-III 32% Anxiety disorder by DSM-III 7% Schizoid PD by DSM-IIIR 6% Schizotypal by DSM-IIIR 20% Paranoid PD by DSM-IIIR Notes: ETHNICITY: 88% white	Age: Manules 25 females Sex: 40 males 25 females Diagnosis: 21% BPD by DSM-IIIR 20% Narcisisstic PD by DSM-IIIR 12% Histrionic PD by DSM-IIIR 35% Passive-aggressive by DSM-IIIR 36% Avoidant PD by DSM-IIIR 20% OCPD by DSM-IIIR 20% OCPD by DSM-IIIR 20% OCPD by DSM-IIIR 21% Bipolar spectrum disorder by DSM-III 19% Dysthymia by DSM-III 19% Dysthymia by DSM-III 34% Substance abuse by DSM-III 20% ADHD by DSM-III 20% ADHD by DSM-III 20% ANNiety disorder by DSM-III 20% APID by DSM-IIIR 6% Schizobpal by DSM-IIIR 20% Paranoid PD by DSM-IIIR 20% Paranoid PD by DSM-IIIR 10% BPD by DSM-IIIR 100% BPD by DSM-IIIR	Age: Manales 26 females Diagnosis: 21% BPD by DSM-IIIR 20% Nationisatise PD by DSM-IIIR 12% Historic PD by DSM-IIIR 35% Passive-aggressive by DSM-IIIR 35% Passive-aggressive by DSM-IIIR 36% Avoidant PD by DSM-IIIR 21% Bipolar spectrum discrete by DSM-III 21% Bipolar spectrum discrete by DSM-III 21% Dipolar spectrum discrete by DSM-III 34% Substance abuse by DSM-III 65% Conduct Disorder by DSM-III 27% ADHD by DSM-III 32% Anviery disorder by DSM-III 77% Schrücod PD by DSM-IIIR 27% ADHD by DSM-IIIR 27% ADHD by DSM-IIIR 27% Adminy disorder by DSM-IIIR 27% Adminy disorder by DSM-IIIR 27% Paranoid PD by DSM-IIIR 27% Paranoid PD by DSM-IIIR 27% PDSM-IIIR 27% ADHD by DSM-IIIR 27% ADHD by DSM-IIIR 27% Adminy disorder by DSM-IIIR 27% ADHD by DSM-IIIR

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features, schizophrenia, major medical illness, organic mental disorders, IQ >80.			
CORBITT1996			
Study Type: observational study	n= 102		
Study Description: investigated relationship between PDs & suicidal behaviour in patients with MDD	Age: Mean 35 Range 18-64 Sex: 46 males 56 females		
Type of Analysis: n/a	Diagnosis: 34% Major depressive episode by DSM-IIIR		
Blindness: na/	34 % Major depressive episode by D3M-IIIIX		
Duration (days):	66% Major Depressive Disorder by DSM-IIIR		
Setting: US; inpatients	29% BPD by Personality Disorder Examination		
Info on Screening Process: inclusion criteria: 18-80 years, meet criteria for MDD; exclusion criteria: major medical illness, organic mental disorder, IQ <80	17% Cluster B by Personality Disorder Examination		
	Notes: ETHNICITY; 78% white, 21% african-american		
FYER1988			
Study Type: observational study	n= 180		
Study Description: compares rate of suicide attempts in BPD patients with affective disorders, aubstance use disorders & both.	Age: Mean 29 Range 18-45 Sex: 34 males 146 females		
Type of Analysis: n/a	Diagnosis: 100% BPD by DSM-III		
Blindness: n/a	100% Bi B by Bolli III		
Duration (days):	70% Substance abuse by DSM-III		
Info on Screening Process: 234; inclusion criteria: met diagnosis for BPD by chart review	65% Affective disorder by DSM-III		
HORESH2003A			
Study Type: observational study	n= 60		
Study Description: reports on suicidality in 20 MDD & 20 BPD adolescents referred to clinic compared to 20 non-psychiatric community controls with no suicide attempts	Age: Mean 17 Sex: 27 males 33 females Diagnosis:		
Type of Analysis: n/a	33% BPD by DSM-IV		
Blindness: n/a	33% Major Depressive Disorder by DSM-IV		
Duration (days):			
Setting: ISRAEL; outpatients	15% Anxiety disorder by DSM-IV		
Info on Screening Process: exclusions: lack of knowledge of Hebrew, mental retardation. BPD patients with comorbid depressive disorder also	15% Eating disorder by DSM-IV		
excluded	3% Oppositional defiant disorder by DSM-IV		
HORESH2003B			

DRAFT FOR CONSULTATION			
Study Type: observational study	n= 65		
Study Description: compared adolescents with MDD to those with BPD, 50% MDD & 52% BPD made recent suicide attempt	Age: Mean 15 Range 13-18 Sex: 15 males 50 females		
Type of Analysis: n/a	Diagnosis: 51% BPD by DSM-IV		
Blindness: n/a	31% BFD by D3W-IV		
Duration (days):	49% Major Depressive Disorder by DSM-IV		
Setting: ISRAEL; inpatients			
Info on Screening Process: exclusion criteria: substance abuse, mental retardation, lack of knowledge of Hebrew, refusal to participate			
LINKS2007			
Study Type: prospective	n= 82		
Study Description: investigated whether various elements of affective instability can predict suicide ideation in BPD patients	Age: Mean 34 Sex: 14 males 68 females		
Type of Analysis: n/a	Diagnosis: 100% BPD by SCID-II		
Blindness: n/a			
Duration (days): Mean 21			
Setting: CANADA; outpatients			
Info on Screening Process: inclusion: 18-65 years, BPD, 2+ lifetime suicide attempts with 1 in last 2 years; exclusions: current maj depensione, psychosis, substance dependence, cyclothymic disorder, or bipolar, low levels intell func, dementia, neurological or visual impairment.			
PARIS1989			
Study Type: quasi-prospective	n= 322		
Study Description: Followed-up BPD patients after 15 years and compared 14 who had committed suicide with 100 who had not.	Age: Sex: no information		
Type of Analysis: n/a	Diagnosis: 100% BPD by DIB		
Blindness: n/a	10070 51 5 57 515		
Duration (days):	61% Major Depressive Disorder by DSM-III		
Followup: 15 years	Exclusions: 157 could not be located at follow-up, 43 refused to be interviewed, 22 were dead, 14 of these committed suicide		
RUNESON1991			
Study Type: retrospective	n= 58		
Study Description: 58 consecutive suicides committed between 1984-1987 were investigated retrospectively through interviews with relatives & analyses of medical records	Age: Mean 23 Range 15-29 Sex: 15 males 43 females Diagnosis:		
Type of Analysis: n/a	33% BPD by DSM-IIIR		
Blindness: n/a	47% Substance abuse by DSM-IIIR		
Duration (days):			
Setting: SWEDEN			

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	22% Alcohol misuse by DSM-IIIR		
	41% Major Depressive Disorder by DSM-IIIR		
	16% ASPD by DSM-IIIR		
	14% Schizophrenia by DSM-IIIR		
	14% Adjustment disorder by DSM-IIIR		
SOLOFF1994			
Study Type: observational study	n= 108		
Study Description: BPD patients with histories of self-mutilation compared to those with no self-mutilation.	Age: Mean 27 Sex: 26 males 82 females		
Type of Analysis: n/a	Diagnosis: 100% BPD by DIB		
Blindness: n/a Duration (days):			
Duration (days).	Notes: ETHNICITY: 83% caucasian		
Setting: US; inpatients			
SOLOFF2000			
Study Type: observational study	n= 158		
Study Description: compared suicidal behaviour in patients with BPD, MDD & BPD+MDD	Age: Mean 32 Range 18-83 Sex: 56 males 102 females		
Type of Analysis: n/a	Diagnosis:		
Blindness: n/a	51% BPD by SCID (DSM-III-R)		
Duration (days):			
Setting: US; inpatients	49% Major depressive episode by SCID (DSM- III-R)		
Info on Screening Process: exclusion criteria: psychotic disorders, organic mood disorders, bipolar disorder.	Notes: ETHNICITY: 81% caucasian, 19% non-caucasian		
STONE1992			
Study Type: observational study	n= 9		
Study Description: followed-up inpatients, reports 9 adolescent suicides	Age: Mean 17 Range 14-19 Sex: 4 males 5 females		
Type of Analysis: n/a	Diagnosis:		
Blindness: n/a	56% BPD by DSM-III		
Duration (days):	449/ Psychotic disorder		
Followup: 16.5 years (age)	44% Psychotic disorder		
Setting: US; inpatients			
YEN2004			
Study Type: prospective	n= 621		
Study Description: Collaborative Longitudinal	Age: Range 18-45		
PD study, multisite, naturalistic, prospective study of 4 PDs inc BPD & comparison group	Sex:		
with MDD.	Diagnosis:		
Type of Analysis: n/a			

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Blindness: n/a			
Duration (days):			
Followup: 2 years			
Info on Screening Process: inclusion criteria: diagnosis of PD or MDD			
YEN2005			
Study Type: prospective	n= 489		
Study Description: Collaborative Longitudinal	Age: Range 18-45		
PD study: multisite, naturalistic prospective study of 4 PDs inc BPD	Sex:		
Type of Analysis: n/a	Diagnosis:		
Blindness: n/a			
Duration (days):			
Followup: 2 years			
Info on Screening Process: exclusion criteria: acute substance intoxication/withdrawal, active psychosis, cognitive impairment, history of schizophrenia, schizophreniform, schizoaffecive disorders			
YOUNG1995			
Study Type: observational study	n= 55		
Study Description: interviewed families of	Age: Mean 16 Range 14-18		
adolescents admitted to treatment unit & compared 21 BPD with 34 non-BPD cases	Sex: 26 males 29 females		
Type of Analysis: n/a	Diagnosis: 38% BPD by DSM-IIIR		
Blindness: n/a	30 % BF D by D3W-IIIIX		
Duration (days):	9% Narcisisstic PD by DSM-IIIR		
Setting: US; inpatients	4% ASPD by DSM-IIIR		
Info on Screening Process: 71; 16 excluded due to transfer, mental incapacity or parents refusal to participate	35% PD NOS by DSM-IIIR		
ZISOOK1994			
Study Type: prospective	n= 100		
Study Description: 1000 intakes to outpatient	Age: Mean 34		
clinic screened for past suicide attempts & present suicide ideation & diagnosed.	Sex: 480 males 520 females		
Type of Analysis: n/a	Diagnosis: 18% Major Depressive Disorder by DSM-IIIR		
Blindness: n/a	10 /0 Iviajor Depressive Disorder by DSIVI-IIIIN		
Duration (days):	10% Dysthymia by DSM-IIIR		
Setting: US; outpatients	4% Bipolar II disorder by DSM-IIIR		
Info on Screening Process: 1000	4 /0 Dipolal II disorder by DSIVI-IIIK		
1110 011 Octobrining 1 100035. 1000	15% Schizophrenia by DSM-IIIR		
	6% Drug/alcohol abuse/dependence by DSM-IIIR		

DRAFT FOR CONSULTATION			
	5% Anxiety disorder by DSM-IIIR		
	7% BPD by DSM-IIIR		

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
CHANCE2000	not relevant
CRUMLEY1981	did not look at specific risk factors
FRIEDMAN1987	did not look at specific risk factors, describes 2 case studies

References of Included Studies

BARBER1998 (Published Data Only)

Barber, Mary E; Marzuk, Peter M; Leon, Andrew C; Portera, Laura (1998) Aborted suicide attempts: A new classification of suicidal behavior. American Journal of Psychiatry, 155, 385-389.

BERK2007 (Published Data Only)

Berk, M.S.; Jeglic, E.; Brown, G.K.; Henriques, G.R.; Beck, A.T. (2007) Characteristics of recent suicide attempters with and without Borderline Personality Disorder. Archives of Suicide Research, 11, 91-104.

BRENT1993 (Published Data Only)

Brent, D.A.; Johnson, B.; Bartle, S.; Bridge, J.; Rather, C.; Matta, J.; Connolly, J.; Constantine, D. (1993) Personality disorder, tendency to impulsive violence, and suicidal behavior in adolescents. Journal of the American Academy of Child & Adolescent Psychiatry, 32, 69-75.

BRODSKY1997 (Published Data Only)

Brodsky,B.S.; Malone,K.M.; Ellis,S.P.; Dulit,R.A.; Mann,J.J. (1997) Characteristics of borderline personality disorder associated with suicidal behavior. American Journal of Psychiatry, 154, 1715-1719.

CORBITT1996 (Published Data Only)

Corbitt, E.M.; Malone, K.M.; Haas, G.L.; Mann, J.J. (1996) Suicidal behavior in patients with major depression and comorbid personality disorders. Journal of Affective Disorders, 39, 61-72.

FYER1988 (Published Data Only)

Fyer, M.R.; Frances, A.J.; Sullivan, T.; Hurt, S.W.; Clarkin, J. (1988) Suicide attempts in patients with borderline personality disorder. American Journal of Psychiatry, 145, 737-739.

HORESH2003A (Published Data Only)

Horesh, N.; Sever, J.; Apter, A. (2003) A comparison of life events between suicidal adolescents with major depression and borderline personality disorder. Comprehensive Psychiatry, 44, 277-283.

HORESH2003B (Published Data Only)

Horesh,Netta; Orbach,Israel; Gothelf,Doron; Efrati,Meir; Apter,Alan (2003) Comparision of the Suicidal Behavior of Adolescent Inpatients with Borderline Personality Disorder and Major Depression. The Journal of Nervous and Mental Disease, 191, 582-588.

LINKS2007 (Published Data Only)

Links, P.S.; Eynan, R.; Heisel, M.J.; Barr, A.; Korzekwa, M.; McMain, S.; Ball, J.S. (2007) Affective instability and suicidal ideation and behavior in patients with borderline personality disorder. Journal of Personality Disorders, 21, 72-86.

PARIS1989 (Published Data Only)

Paris, J.; Nowlis, D.; Brown, R. (1989) Predictors of suicide in borderline personality disorder. Canadian Journal of Psychiatry, 34, 8-9.

RUNESON1991 (Published Data Only)

Runeson, B.; Beskow, J. (1991) Borderline personality disorder in young Swedish suicides. The Journal of Nervous and Mental Disease, 179, 153-156.

SOLOFF1994 (Published Data Only)

Soloff, P.H.; Lis, J.A.; Kelly, T.; Cornelius, J.; Ulrich, R. (1994) Self-mutilation and suicidal behavior in borderline personality disorder. Journal of Personality Disorders, 8, 257-267.

SOLOFF2000 (Published Data Only)

Soloff,P.H.; Lynch,K.G.; Kelly,T.M.; Malone,K.M.; Mann,J.J. (2000) Characteristics of suicide attempts of patients with major depressive episode and borderline personality disorder: a comparative study. American Journal of Psychiatry, 157, 601-608.

STONE1992

(Published Data Only)

Stone, M.H. (1992) Suicide in borderline and other adolescents. Adolescent Psychiatry, 18, 289-305.

YEN2004

(Published Data Only)

Yen,S.; Shea,M.T.; Sanislow,C.A.; Grilo,C.M.; Skodol,A.E.; Gunderson,J.G.; McGlashan,T.H.; Zanarini,M.C.; Morey,L.C. (2004) Borderline personality disorder criteria associated with prospectively observed suicidal behavior. American Journal of Psychiatry, 161, 1296-1298.

YEN2005

(Published Data Only)

Yen,S.; Pagano,M.E.; Shea,M.T.; Grilo,C.M.; Gunderson,J.G.; Skodol,A.E.; McGlashan,T.H.; Sanislow,C.A.; Bender,D.S.; Zanarini,M.C. (2005) Recent life events preceding suicide attempts in a personality disorder sample: findings from the collaborative longitudinal personality disorders study. Journal of Consulting & Clinical Psychology, 73, 99-105.

YOUNG1995

(Published Data Only)

Young, Delton W; Gunderson, John G (1995) Family images of borderline adolescents. Psychiatry: Interpersonal and Biological Processes, 58, 164-172

ZISOOK1994

(Published Data Only)

Zisook, S.; Goff, A.; Sledge, P.; Shuchter, S.R. (1994) Reported suicidal behavior and current suicidal ideation in a psychiatric outpatient clinic. Annals of Clinical Psychiatry, 6, 27-31.

References of Excluded Studies

CHANCE2000

(Published Data Only)

Chance, Susan Ellis; Bakeman, Roger; Kaslow, Nadine J; Farber, Eugene; Burge-Callaway, Katherine (2000) Core conflictual relationship themes in patients diagnosed with borderline personality disorder who attempted, or who did not attempt, suicide. Psychotherapy Research, 10, 337-355.

CRUMLEY1981

(Published Data Only)

Crumley, F.E. (1981) Adolescent suicide attempts and borderline personality disorder: clinical features. Southern Medical Journal, 74, 546-549.

FRIEDMAN1987

(Published Data Only)

Friedman, R.C.; Corn, R. (1987) Suicide and the borderline depressed adolescent and young adult. Journal of American Academy of Psychoanalysis, 15, 429-448.

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Characteristics Table for The Clinical Question: Stability of the diagnosis of BPD in young people.

Comparisons Included in this Clinical Question

Children with disruptive and/or emotional disorders followed-up.

FISCHER2002 HELGELAND2005 HELLGREN1994 RAMKLINT2003 REY1995

Prospective short follow-up studies of BPD.

CHANEN2004 GARNET1994 MEIJER1998

Quasi-prospective studies of developmental antecedents of BPD.

HELGELAND2004 LOFGREN1991 ZELKOWITZ2007

Methods	Participants	Outcomes	Interventions	Notes
CHANEN2004				
Study Type: prospective	n= 101			
Study Description: 2 year prospective study of	Age: Range 15-18			
oung people with personality disorder	Sex: 37 males 64 females			
Гуре of Analysis: n/a	Diagnosis:			
Blindness: n/a	24% Mood disorder by DSM-IV			
Ouration (days):				
Followup: 2 years	31% Anxiety disorder by DSM-IV			
Setting: AUSTRALIA; outpatients	16% Substance abuse by Composite			
nfo on Screening Process: 147 invited to	International Diagnostic Interview (CIDI			
participate, 46 declined				
	11% Disruptive behaviour disorder by DSM-IV			
	7% Eating disorder by DSM-IV			
	7 /0 Latting disorder by Down IV			
	4% Somatoform disorder by DSM-IV			
	3% Paranoid PD by SCID-II			
	3% Schizoid PD by SCID-II			
	3 % Schizold P D by Scho-ii			
	2% Schizotypal by SCID-II			
	6% ASPD by SCID-II			
	440/ PPD by CCID II			
	11% BPD by SCID-II			
	1% Histrionic PD by SCID-II			
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	2% Narcissistic by SCID-II			
	10% Avoidant PD by SCID-II			
	4% OCPD by SCID-II			
	170 GGI 2 By GGID II			
	8% Passive-aggressive by SCID-II			
	10% Depressive PD by SCID-II			

HELGELAND2005

not want to participate

organic brain syndrome, no diagnosis given, people who were unavailable at follow-up or did

DRAFT FOR CONSULTATION				
HELGELAND2005				
Study Type: quasi-prospective	n= 148			
Study Description: followe-up adolescents who	Age: Mean 15			
were admitted to adolescent unit with	Sex: 77 males 71 females			
emotional/disruptive disorders. Baseline diagnoses made on basis of hospital records	Diagnosis:			
Type of Analysis: n/a	38% Anxiety disorder by DSM-IV			
Blindness: n/a				
Duration (days):	36% Major depression or dysthymia by DSM-IV			
Followup: 28 years	16% Eating disorder by DSM-IV			
Setting: NORWAY; inpatients	00/ Comptetory disorder by DCM IV			
Info on Screening Process: 1018, participants excluded if they could not be identified/located, did not agree to take part or did not attend	9% Somatoform disorder by DSM-IV 2% Elimination disorder by DSM-IV			
interview	82% Conduct Disorder by DSM-IV			
	7% Oppositional defiant disorder by DSM-IV			
	6% Psychoactive substance use disorder by DSM-IV			
	4% Adjustment disorder by DSM-IV			
	1% ADHD by DSM-IV			
	Exclusions: 13 participants who received diagnosis of schizophrenia at follow up			
HELLGREN1994				
Study Type: prospective	n= 112			
Study Description: followed up children who	Age: Mean 7			
had deficits in attention, motor control & perception	Sex: 71 males 41 females			
Type of Analysis: n/a	Diagnosis: 38% Motor control/perception dysfunc + ADHD			
Blindness: n/a	38% Motor control/perception dysiunc + ADHD			
Duration (days):	6% Motor control/perception dysfunc			
Followup: 9 years				
Setting: SWEDEN	11% ADHD			
Info on Screening Process: 141, excluded if they did not have attention, motor control or perception or if they were diagnosed with mental retardation	Exclusions: 11 failed to participate at follow-up either because they had moved away or because they declined participation in the study.			
LOFGREN1991				
Study Type: quasi-prospective	n= 19			
Study Description: followed-up children who had been diagnosed as borderline	Age: Range 6-10 Sex: 14 males 5 females			
Type of Analysis: n/a	Diagnosis:			
Blindness: n/a	100% BPD by Bemporad criteria			
Duration (days):				
Followup: 10-20 years				
1	1	I .	I .	l .

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Info on Screening Process: 32 children identified as borderline, excluded if they could not be located at follow up.			
MEIJER1998			
Study Type: prospective	n= 54		
Study Description: inpatients followed up 3 years later	Age: Mean 15 Range 12-17 Sex: 27 males 27 females		
Type of Analysis: n/a	Diagnosis:		
Blindness: n/a	31% BPD by DIB		
Duration (days):	,		
Followup: 3 years	35% Major depression or dysthymia by DSM-IIIR		
Setting: NETHERLANDS; inpatients	24% Conduct Disorder by DSM-IIIR		
	17% Psychotic disorder by DSM-IIIR		
	24% PD other than BPD by DSM-IIIR		
	Exclusions: exlcusion criteria: severe psychotic or autistic symptomatology, follow-up interval <24months, >18 at baseline, unable to locate, unwilling to cooperate. 36 participants were follow-ed up.		
	Notes: Ages are for 36 participants followed-up		
RAMKLINT2003			
Study Type: quasi-prospective	n= 158		
Study Description: followed up group of in child/adolescet inpatients. Baseline diagnoses obtained from medical records	Age: Mean 14 Sex: 63 males 95 females		
Type of Analysis: n/a	Diagnosis: 18% Major Depressive Disorder by DSM-IV		
Blindness: n/a	16% Major Depressive Disorder by DSM-1V		
Duration (days):	27% Drug/alcohol abuse/dependence by DSM-IV		
Followup: 16 years (mean)			
Setting: SWEDEN	48% Disruptive disorder by DSM-IV		
Info on Screening Process: 378, participants who could not be contacted, did not respond, failed to complete quaire correctly were excluded			
REY1995			
Study Type: quasi-prospective	n= 145		
Study Description: followed-up young adults who had been diagnosed with disruptive/emotional disorders in adolescence.	Age: Mean 14 Range 12-16 Sex: 81 males 64 females		
Type of Analysis: n/a	Diagnosis:		
Blindness: n/a	8% ADHD by DSM-III		
Duration (days):	13% Oppositional defiant disorder by DSM-III		
Followup: 14 years			
Setting: AUSTRALIA	17% Conduct Disorder by DSM-III		
Info on Screening Process: 370, excluded if had diagnosis of major depression, or >1 diagnosis (ecxept ADHD & CD), also if could	10% ADHD & CD by DSM-III		

not be located or did not attend interview	8% Adjustment disorder with distrubed conduct		
25 1554.54 of did not ditoria interview	by DSM-III		
	14% Separation anxiety by DSM-III		
	8% Other anxiety disorders by DSM-III		
	070 Other anxiety disorders by Dolvi III		
	12% Dysthymia by DSM-III		
	11% Adjustment disorder with mixed emotional features by DSM-III		
ZEL KOMITZ2007			\vdash
ZELKOWITZ2007	_		
Study Type: quasi-prospective	n= 59		
Study Description: followed-up children who had been treated in day hospital, baseline	Age: Mean 16 Range 12-20 Sex: 48 males 11 females		
diagnosis established by reviewing medical			
charts	Diagnosis: 9% BPD by K-SADS-PL		
Type of Analysis: n/a	9 % BFD by K-SADS-FL		
Blindness: n/a	23% Major Depressive Disorder by K-SADS-PL		
Duration (days):			
Followup: 5-7 years	36% ADHD by K-SADS-PL		
Setting: CANADA	400/ One seiting all defines disorder by IV 0450		
	12% Oppositional defiant disorder by K-SADS- PL		
	48% Conduct Disorder by K-SADS-PL		
	11% Hallucinations by K-SADS-PL		
	11/0 Hallucifiations by N-SADS-FL		
	11% Delusions by K-SADS-PL		
	Notes: Ages & diagnoses at follow-up.		
	1		1

Characteristics of Excluded Studies

Reference ID	Reason for Exclusion
BAILLIE2006	no data, CIC study
BERNSTEIN1993	CIC study
BERNSTEIN1996	CIC study
BEZIRGANIAN1993	CIC study
BRIEGER2001	no BPD data (PD general only)
BURGE1997	no data for BPD (PD general only)
CHEN2004	CIC study
COHEN1996	CIC study
COHEN2005	CIC study

COHEN2005 CIC study
COHEN2007 CIC study
CRAWFORD2001A CIC study
CRAWFORD2001B CIC study
CRAWFORD2005 CIC study

DALEY1999 no useable data

DALEY2006 no BPD data (Cluster B only)

GOODWIN2005 CIC study
GRILO2001 no useable data

JAMES1996 not a prospective or quasi-prospective study

JOHNSON1999A CIC study
JOHNSON1999B CIC study
JOHNSON2000 CIC study
JOHNSON2000B CIC study
JOHNSON2006B CIC study
KASEN1999 CIC study

KORENBLUM1990 no BPD data (Cluster B only)

LENZENWEGER2005 no useable data

LEVY1999no BPD data (PD general only)LEWINSOHN1997too few BPD participants - only 1.3%MANZANO1994no data for BPD (PD general only)MARTON1987no data for BPD (PD general only)

SEGAL-TRIVITZ2006 not a prospective or quasi-prospective study

THATCHER2005 no useable data

THOMSEN1990 no data for BPD (PD general only)

References of Included Studies

CHANEN2004 (Published Data Only)

Chanen, A.M.; Jackson, H.J.; McGorry, P.D.; Allot, K.A.; Clarkson, V.; Yuen, H.P. (2004) Two-year stability of personality disorder in older adolescent outpatients. Journal of Personality Disorders, 18, 526-541.

FISCHER2002 (Published Data Only)

Fischer, M.; Barkley, R.A.; Smallish, L.; Fletcher, K. (2002)

GARNET1994 (Published Data Only)

Garnet, K.E.; Levy, K.N.; Mattanah, J.J.; Edell, W.S.; McGlashan, T.H. (1994). Borderline personality disorder in adolescents: ubiquitous or specific? American Journal of Psychiatry, 151, 1380-1382

HELGELAND2004 (Published Data Only)

Helgeland, M.I.; Torgersen, S. (2004) Developmental antecedents of borderline personality disorder. Comprehensive Psychiatry, 45, 138-147.

HELGELAND2005 (Published Data Only)

Helgeland, M.I.; Kjelsberg, E.; Torgersen, S. (2005) Continuities between emotional and disruptive behavior disorders in adolescence and personality disorders in adulthood. American Journal of Psychiatry, 162, 1941-1947

HELLGREN1994 (Published Data Only)

Hellgren, L.; Gillberg, I.C.; Bagenholm, A.; Gillberg, C. (1994) Children with deficits in attention, motor control and perception (DAMP) almost grown up: psychiatric and personality disorders at age 16 years.

LOFGREN1991 (Published Data Only)

Lofgren, D.P.; Bemporad, J.; King, J.; Lindem, K.; O'Driscoll, G. (1991) A prospective follow-up study of so-called borderline children. American Journal of Psychiatry, 148, 1541-1547.

MEIJER1998 (Published Data Only)

Meijer, M.; Goedhart, A.W.; Treffers, P.D. (1998) The persistence of borderline personality disorder in adolescence. Journal of Personality Disorders, 12, 13-22.

RAMKLINT2003 (Published Data Only)

Ramklint,M.; von,KnorringAL; von,KnorringL; Ekselius,L. (2003) Child and adolescent psychiatric disorders predicting adult personality disorder: a follow-up study. Nordic Journal of Psychiarty, 57, 23-28.

REY1995 (Published Data Only)

Rey,J.M.; Morris-Yates,A.; Singh,M.; Andrews,G.; Stewart,G.W. (1995) Continuities between psychiatric disorders in adolescents and personality disorders in young adults. American Journal of Psychiatry, 152, 895-900.

ZELKOWITZ2007 (Published Data Only)

Zelkowitz, Phyllis; Paris, Joel; Guzder, Jaswant; Feldman, Ronald; Roy, Carmella; Rosval, Lindsay (2007) A five-year follow-up of patients with borderline pathology of childhood. Jounral of Personality Disorders, 21, 664-674.

References of Excluded Studies

BAILLIE2006 (Published Data Only)

Baillie, A.J. (2006) Adolescent panic attacks are associated with increased risk of personality disorder as a young adult. Evidenced Based Mental Health, 9, 57.

BERNSTEIN1993 (Published Data Only)

Bernstein, D.P.; Cohen, P.; Velez, C.N.; Schwab-Stone, M.; Siever, L.J.; Shinsato, L. (1993) Prevalence and stability of the DSM-III-R personality disorders in a community-based survey of adolescents. American Journal of Psychiatry, 150, 1237-1243.

BERNSTEIN1996 (Published Data Only)

Bernstein, D.P.; Cohen, P.; Skodol, A.; Bezirganian, S.; Brook, J.S. (1996) Childhood antecedents of adolescent personality disorders. American Journal of Psychiatry, 153, 907-913.

BEZIRGANIAN1993 (Published Data Only)

Bezirganian, S.; Cohen, P.; Brook, J.S. (1993) The impact of mother-child interaction on the development of borderline personality disorder. American Journal of Psychiatry, 150, 1836-1842.

BRIEGER2001 (Published Data Only)

Brieger, P.; Bloink, R.; Sommer, S.; Marneros, A. (2001) A catch-up study of former child and adolescent psychiatric inpatients: psychiatric status in adulthood. Psychopathology, 34, 43-49.

BURGE1997 (Published Data Only)

Burge,D.; Hammen,C.; Davila,J.; Daley,S.E.; Paley,B.; Lindberg,N.; Herzberg,D.; Rudolph,K.D. (1997) The relationship between attachment cognitions and psychological adjustment in late adolescent women. Development and Psychopathology, 9, 151-167.

CHEN2004 (Published Data Only)

Chen,H.; Cohen,P.; Johnson,J.G.; Kasen,S.; Sneed,J.R.; Crawford,T.N. (2004) Adolescent personality disorders and conflict with romantic partners during the transition to adulthood. Journal of Personality Disorders, 18, 507-525.

COHEN1996 (Published Data Only)

Cohen, Patricia (1996) Childhood risks for young adult symptoms of personality disorder: Method and substance. Multivariate Behavioral Research, 31, 121-148.

COHEN2005 (Published Data Only)

Cohen, P.; Crawford, T.N.; Johnson, J.G.; Kasen, S. (2005) The children in the community study of developmental course of personality disorder. Journal of Personality Disorders, 19, 466-486.

COHEN2007 (Published Data Only)

Cohen, Patricia; Chen, Henian; Crawford, Thomas N; Brook, Judith S; Gordon, Kathy (2007) Personality disorders in early adolescence and the development of later substance use disorders in the general population. Drug & Alcohol Dependence, 88S, S71-S84.

CRAWFORD2001A (Published Data Only)

Crawford, T.N.; Cohen, P.; Brook, J.S. (2001) Dramatic-erratic personality disorder symptoms: II. Developmental pathways from early adolescence to adulthood. Journal of Personality Disorders, 15, 336-350.

CRAWFORD2001B (Published Data Only)

Crawford, T.N.; Cohen, P.; Brook, J.S. (2001) Dramatic-erratic personality disorder symptoms: I. Continuity from early adolescence into adulthood. Journal of Personality Disorders, 15, 319-335.

CRAWFORD2005 (Published Data Only)

Crawford, T.N.; Cohen, P.; Johnson, J.G.; Kasen, S.; First, M.B.; Gordon, K.; Brook, J.S. (2005) Self-reported personality disorder in the children in the community sample: convergent and prospective validity in late adolescence and adulthood. Journal of Personality Disorders, 19, 30-52.

DALEY1999 (Published Data Only)

Daley, S.E.; Hammen, C.; Burge, D.; Davila, J.; Paley, B.; Lindberg, N.; Herzberg, D.S. (1999) Depression and Axis II symptomatology in an adolescent community sample: concurrent and longitudinal associations. Journal of Personality Disorders, 13, 47-59.

DALEY2006 (Published Data Only)

Daley, S.E.; Rizzo, C.J.; Gunderson, B.H. (2006) The longitudinal relation between personality disorder symptoms and depression in adolescence: the mediating role of interpersonal stress. Journal of Personality Disorders, 20, 354-368.

GOODWIN2005 (Published Data Only)

Goodwin, R.D.; Brook, J.S.; Cohen, P. (2005) Panic attacks and the risk of personality disorder. Psychological Medicine, 35, 227-235.

GRILO2001 (Published Data Only)

Grilo, C.M.; Becker, D.F.; Edell, W.S.; McGlashan, T.H. (2001) Stability and change of DSM-III-R personality disorder dimensions in adolescents followed up 2 years after psychiatric hospitalization. Comprehensive Psychiatry, 42, 364-368.

JAMES1996 (Published Data Only)

James, A.; Berelowitz, M.; Vereker, M. (1996) Borderline personality disorder: a study in adolescence. European Child & Adolescent Psychiatry, 5, 11-17.

JOHNSON1999A (Published Data Only)

Johnson, J.G.; Cohen, P.; Brown, J.; Smailes, E.M.; Bernstein, D.P. (1999) Childhood maltreatment increases risk for personality disorders during early adulthood. Archives of General Psychiatry, 56, 600-606.

JOHNSON1999B (Published Data Only)

Johnson, J.G.; Cohen, P.; Skodol, A.E.; Oldham, J.M.; Kasen, S.; Brook, J.S. (1999) Personality disorders in adolescence and risk of major mental disorders and suicidality during adulthood. Archives of General Psychiatry, 56, 805-811.

JOHNSON2000 (Published Data Only)

Johnson, J.G.; Cohen, P.; Kasen, S.; Skodol, A.E.; Hamagami, F.; Brook, J.S. (2000) Age-related change in personality disorder trait levels between early adolescence and adulthood: a community-based longitudinal investigation. Acta Psychiatrica Scandinavica, 102, 265-275.

JOHNSON2000B (Published Data Only)

Johnson, J.G.; Smailes, E.M.; Cohen, P.; Brown, J.; Bernstein, D.P. (2000) Associations between four types of childhood neglect and personality disorder symptoms during adolescence and early adulthood: findings of a community-based longitudinal study. Journal of Personality Disorders

JOHNSON2006B (Published Data Only)

Johnson, J.G.; Cohen, P.; Chen, H.; Kasen, S.; Brook, J.S. (2006) Parenting behaviors associated with risk for offspring personality disorder during adulthood. Archives of General Psychiatry, 63, 579-587.

KASEN1999 (Published Data Only)

Kasen, S.; Cohen, P.; Skodol, A.E.; Johnson, J.G.; Brook, J.S. (1999) Influence of child and adolescent psychiatric disorders on young adult personality disorder. American Journal of Psychiatry, 156, 1529-1535.

KORENBLUM1990 (Published Data Only)

Korenblum, M.; Marton, P.; Golombek, H.; Stein, B. (1990) Personality status: changes through adolescence. Psychaitric Clinics of North America, 13, 389-399.

LENZENWEGER2005 (Published Data Only)

Lenzenweger, M.F.; Desantis, Castro D (2005) Predicting change in borderline personality: Using neurobehavioral systems indicators within an individual growth curve framework. Developmental & Psychopathology, 17, 1207-1237.

LEVY1999 (Published Data Only)

Levy, K.N.; Becker, D.F.; Grilo, C.M.; Mattanah, J.J.; Garnet, K.E.; Quinlan, D.M.; Edell, W.S.; McGlashan, T.H. (1999) Concurrent and predictive validity of the personality disorder diagnosis in adolescent inpatients. American Journal of Psychiatry, 156, 1522-1528.

LEWINSOHN1997 (Published Data Only)

Lewinsohn, P.M.; Rohde, P.; Seeley, J.R.; Klein, D.N. (1997) Axis II psychopathology as a function of Axis I disorders in childhood and adolescence. Journal of the American Academy of Child & Adolescent Psychiatry, 36, 1752-1759.

MANZANO1994 (Published Data Only)

Manzano, J.; Laufer, D.; Borella, E.; Favre, C.; Fischer, W.; Gex-Fabri, M.; Seidl, R.; Urban, D.; Zabala, I. (1994) Continuity and discontinuity of psychopathology: a study of patients examined as children and as adults. III--The infancy of "adult personality disorders" Schweizer Archiv fur Neurologie und Psychiatrie, 145, 13-17

MARTON1987 (Published Data Only)

Marton,P.; Golombek,H.; Stein,B.; Korenblum,M. (1987) Behavior disturbance and changes in personality dysfunction from early to middle adolescence. Behavior Disturbance & Personality Dysfunction, 14, 394-406

SEGAL-TRIVITZ2006 (Published Data Only)

Segal-Trivitz, Y.; Bloch, Y.; Goldburt, Y.; Sobol-Havia, D.; Levkovitch, Y.; Ratzoni, G. (2006) Comparison of symptoms and treatments of adults and adolescents with borderline personality disorder. International Journal of Adolescent Medicine & Health, 18, 215-220.

THATCHER2005 (Published Data Only)

Thatcher, D.L.; Cornelius, J.R.; Clark, D.B. (2005) Adolescent alcohol use disorders predict adult borderline personality. Addictive Behaviors, 30, 1709-1724.

THOMSEN1990 (Published Data Only)

Thomsen, P.H (1990) The prognosis in early adulthood of child psychiatric patients: a case register study in Denmark. Acta Psychiatrica Scandinavica, 81, 89-93.

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