

**Characteristics of included studies**

Study Number	Reference	Country	Methods	Participating service users	PAD inclusion criterion to study?	Type of PAD	Quality Rating
1	Ambrosini et al., 2012a (1)	Canada (Quebec)	Qualitative interviews	Total n=12 Schizophrenia n=5 Bipolar n=3 Depression n=4	No, but PAD creation part of study	Facilitated by lawyer	QUAL 5
2	Ambrosini et al., 2012b (2)	Canada (Quebec)	Mixed methods	Adults with serious mental illness  Quantitative: Total n=59 Schizophrenia n=19 Bipolar n=16 Depression n=24  Qualitative: Total n=12 Schizophrenia n=5 Bipolar n=3 Depression n=4	No, but PAD creation part of study	Mostly created by service user alone, partly facilitated by lawyer	QUAL 4 QUAN 5 MM 5
3	Amering et al., 2005 (3)	USA (New York (state))	Qualitative interviews, focus groups	Adults with extensive experience with mental health services and crisis interventions, including hospitalisation Total n=33	No, but PAD created in the context of study	Not specified	QUAL 5
4	Atkinson et al., 2003 (4)	UK (Scotland)	Qualitative interviews, focus groups	Total n=6	No	Not specified	QUAL 3
5	Backlar et al., 2001 (5)	USA (Oregon)	Qualitative interviews	Severe and persistent mental disorders Total n=40 Schizophrenia n=28 Other n=12	No, but PAD creation offered as part of study	Not specified	QUAL 2,5
6	Borda and Zuleta, 2020 (6)	Colombia	Qualitative interviews	Substance use disorders n=3	No	Ulysses agreement	QUAL 4,5

7	Borschmann et al., 2014 (7)	UK (England)	Qualitative document analysis	Adults with Borderline Personality Disorder Total n=41	Yes, but PAD creation part of prior study	Joint Crisis Plan	QUAL 5
8	Buscemi, 2003 (8)	USA (Missouri)	Quantitative survey	Adults with mental illness, mostly diagnosis of bipolar, depression and schizophrenia Total n=137	No	Not specified	QUAN 2
9	Easter et al., 2020 (9)	USA (North Carolina)	RCT	Adults with serious mental illness, diagnosis of schizophrenia, bipolar or other psychotic or mood disorder Total n=145	No, but PAD creation part of study	Facilitated by peers or treatment team	QUAN 5
10	Elbogen et al., 2007 (10)	USA (North Carolina)	Mixed methods	Total n=125 Schizophrenia or schizoaffective disorder n=76 Bipolar or Major depression n=49	No, but PAD creation part of study	Facilitated by researcher	QUAL 4,5 QUAN 4,5 MM 1,5
11	Farrelly et al., 2015 (11)	UK (England)	Qualitative interviews and focus groups	Adults with psychotic disorder, psychiatric admission within the last 2 years, focus on older service users Total n=35	No, but PAD creation part of study	Joint Crisis Plan	QUAL 5
12	Farrelly et al., 2016 (12)	UK (England)	Qualitative interviews and focus groups	Adults with psychotic disorder, psychiatric admission within the last 2 years Total n=51	No, but PAD creation part of study	Joint Crisis Plan	QUAL 5
13	Foy et al., 2007 (13)	UK (Scotland)	Qualitative survey	Adults with severe and enduring mental illness Total n=58	No	Not specified	QUAL 2
14	Gergel et al., 2021 (14)	UK	Qualitative survey	Bipolar Total n=565	No	Ulysses agreement	QUAL 5
15	Gowda et al., 2018 (15)	India	Quantitative survey	Total n=182 Schizophrenia n=86 Affective disorders n=80 Other n=16	No, but PAD creation part of study	Not specified	QUAN 4

16	Grätz and Brieger, 2012 (16)	Germany	Mixed methods	Total n=36 Schizophrenia n=8 Schizoaffective disorder n=17 Affective disorder n=8 Neurotic or anxiety disorder n=2 Personality disorder n=6	Yes	Joint Crisis Plan	QUAL 2 QUAN 3,5 MM 1,5
17	Henderson et al., 2009 (17)	UK (England)	RCT	Adults with psychotic illness or Bipolar Total n=160	No, but PAD creation part of study	Joint Crisis Plan	QUAN 3,5
18	Hindley et al., 2019 (18)	UK	Quantitative survey	Bipolar Total n=932	No	Not specified	QUAN 4
19	Hiu et al., 2020 (19)	Singapore	Qualitative interviews	Psychotic related disorders Total n=28	No	Not specified	QUAL 5
20	Hotzy et al., 2020 (20)	Switzerland	Mixed Methods	Psychiatric disorder, ongoing treatment Total n=110	No	Not specified	QUAL 1 QUAN 2,5 MM 1,5
21	Kim et al., 2007 (21)	USA (North Carolina)	Qualitative interviews	Severe mental illness Total n=28	No, but PAD creation part of study	Facilitated by researcher	QUAL 5
22	Lenagh-Glue et al., 2018 (22)	New Zealand	Quantitative survey	Total n=23	No	Not specified	QUANT 3
23	Lequin et al., 2021 (23)	Switzerland	Mixed methods	Documents (quan. and qual.): Total n=184 Substance use disorder n=83 Psychosis n=66 Mood disorder n=28 Other n=7  Interviews (qual. and quan.): Total n=12 Mood disorders n=4 Psychosis n=3 Other n=4	Yes	Joint Crisis Plan	QUAL 5 QUAN 3 MM 2,5

24	Morriss et al., 2020 (24)	UK (England and Wales)	Mixed methods	Bipolar Quantitative survey: Total n=544 Qualitative interviews: Total n=18	No	Not specified	QUAL 5 QUAN 3,5 MM 2,5
25	Morrissey, 2015 (25)	Ireland	Mixed methods	Total n=111	No	Not specified	QUAL 3 QUAN 4,5 MM 4,5
26	O'Connell and Stein, 2005 (26)	USA (Ohio)	Mixed methods	Total n=32	No	Not specified	QUAL 4,5 QUAN 3 MM 2
27	O'Donoghue et al., 2010 (27)	Ireland	Quantitative survey	Total n=67 Schizophrenia/Schizoaffective disorder n=38 Affective disorders n=24 Other n=5	No	Not specified	QUAN 4,5
28	Papageorgiou et al., 2004 (28)	UK (England)	Quantitative document analysis	In-patients due to discharge from involuntary treatment Documents: Total n=79  Questionnaire: Total n=59	No, but PAD creation part of study	Mostly created by service user alone, partly facilitated by researcher	QUAN 5
29	Papageorgiou et al., 2002 (29)	UK (England)	RCT	In-patients due to discharge from involuntary treatment Total n=59	No, but PAD creation part of study	Mostly created by service user alone, partly facilitated by researcher	QUAN 4,5
30	Peto et al., 2004 (30)	USA (Washington)	Quantitative survey	Total n=106 Schizophrenia n=55 Bipolar n=28 Depression n=27	No, but PAD creation part of study	Facilitated by peers and researchers	QUAN 4,5

31	Quinlivan et al., 2019 (31)	UK (England)	Qualitative focus groups	Lived experience with mental illness, self-harm and/or psychiatric services Total n=13	No	Not specified	QUAL 5
32	Scheyett, 2008 (32)	USA (North Carolina)	RCT	Schizophrenia, schizoaffective disorder, other psychotic disorder, or major mood disorder with psychotic features Total n=469 [same data as Swanson et al., 2006b]	No, but PAD creation part of study	Facilitated by researcher	QUAN 3,5
33	Scheyett and Rooks, 2012 (33)	USA (South Carolina)	Mixed methods	Students with severe mental illness Total n=40	No	Not specified	QUAL 5 QUAN 3 MM 3
34	Shields et al., 2013 (34)	India	Qualitative interviews	Severe mental illness Total n=39	No, but PAD creation part of study	Facilitated by external person (health worker)	QUAL 5
35	Srebnik et al., 2003 (35)	USA (Washington)	Mixed methods	Total n=303 Schizophrenia n=155 Bipolar n=77 Depression n=61 Other n=10	No	Not specified	QUAL 3,5 QUAN 4,5 MM 2
36	Srebnik et al., 2005 (36)	USA (Washington)	Quantitative and qualitative document analysis	Psychiatric outpatients with at least two major psychiatric crises within the last two years Total n=106 Schizophrenia n=47 Bipolar n=28 Depression n=23 Other n=8	No, but PAD creation part of study	Not specified	QUAL 3,5 QUAN 4 MM 2,5
37	Stephenson et al., 2020 (37)	UK	Qualitative focus groups	Bipolar Total n=10	No, but PAD creation part of study	Prototype PAD template developed	QUAL 5

						(similar to JCP)	
38	Sutherby et al., 1999 (38)	UK (England)	Mixed methods	Psychotic and/or bipolar disorder Total n=40	No, but PAD creation offered as part of study	Facilitated by researcher	QUAL 2,5 QUAN 4 MM 2
39	Swanson et al., 2006a (39)	USA	Quantitative survey	Schizophrenia, depression and bipolar Total n=1011	No	Not specified	QUAN 5
40	Swanson et al., 2006b (40)	USA (North Carolina)	RCT	Schizophrenia, schizoaffective disorder, other psychotic disorder, or major mood disorder with psychotic features Total n=469	No, but PAD creation part of study	Facilitated by researcher	QUAN 3,5
41	Swanson et al., 2003 (41)	USA (North Carolina)	Quantitative survey	Schizophrenia and related disorders Total n=104	No	Not specified	QUAN 2
42	Tekkalaki et al., 2018 (42)	India	Quantitative survey	Total n=50 Schizophrenia n=30 Bipolar n=20	No	Not specified	QUAN 3,5
43	Thom et al., 2019 (43)	New Zealand	Qualitative focus groups	Total n=25	No	Not specified	QUAL 5
44	Thom et al., 2015 (44)	New Zealand	Quantitative survey	Total n=110	No	Not specified	QUAN 3,5
45	Thornicroft et al., 2013 (45)	UK (England)	RCT	Relapsing psychotic illness, aged over 16 Total n=569	No, but PAD creation part of study	Joint Crisis Plan	QUAN 5
46	Valentine et al., 2021 (46)	Australia	Qualitative interviews	First episode psychosis (young people) Total n=12	No	Not specified	QUAL 5
47	Van der Ham et al., 2013 (47)	Netherlands	Qualitative interviews	Total n=4	Yes	Crisis Card	QUAL 3,5
48	Van Dorn et al., 2008 (48)	USA (North Carolina)	RCT	Schizophrenia, Bipolar, Depression with psychotic features Total n=469	No, but PAD creation part of study	Facilitated by research assistant	QUAN 2
49	Van Dorn et al., 2009 (49)	USA (Florida)	Quantitative interview	Total n=85 Schizophrenia n=28	No	Not specified	QUAN 4,5

Bipolar or depression n=57							
50	Varekamp, 2004 (50)	Netherlands	Qualitative interviews	Total n=18 Schizophrenia n=6 Bipolar n=11 Borderline personality disorder n=1	Partly (1/3 of participants)	Ulysses agreement	QUAL 5
51	Wauchope et al., 2011 (51)	Australia	Mixed methods	Serious mental illness Total n=33	No, but PAD creation part of study	Facilitated by clinician	QUAL 3 QUAN 3,5 MM 3
52	Wilder et al., 2013 (52)	USA (Virginia)	Quantitative survey	Total n=40	No	Not specified	QUAN 3
53	Williams et al., 2014 (53)	Australia	Qualitative focus groups	Not specified	No, but PAD creation part of study	Joint Crisis Plan	QUAL 3

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### **PubMed Search String**

The following search strategy was used for PubMed:

("advance directive\*[Title/Abstract] OR "advance agreement\*[Title/Abstract] OR "advance care plan\*[Title/Abstract] OR "advance decision\*[Title/Abstract] OR "advance statement\*[Title/Abstract] OR "psychiatric will\*[Title/Abstract] OR "Ulysses contract\*[Title/Abstract] OR "Ulysses agreement\*[Title/Abstract] OR "Mill's Will\*[Title/Abstract] OR "voluntary commitment contract\*[Title/Abstract] OR "nexum contract\*[Title/Abstract] OR "crisis plan\*[Title/Abstract] OR "self-binding"[Title/Abstract]) AND ("mental disorder\*[Title/Abstract] OR "mental health"[Title/Abstract] OR "mental illness"[Title/Abstract] OR "psychiatr\*[Title/Abstract])

### Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) diagram

