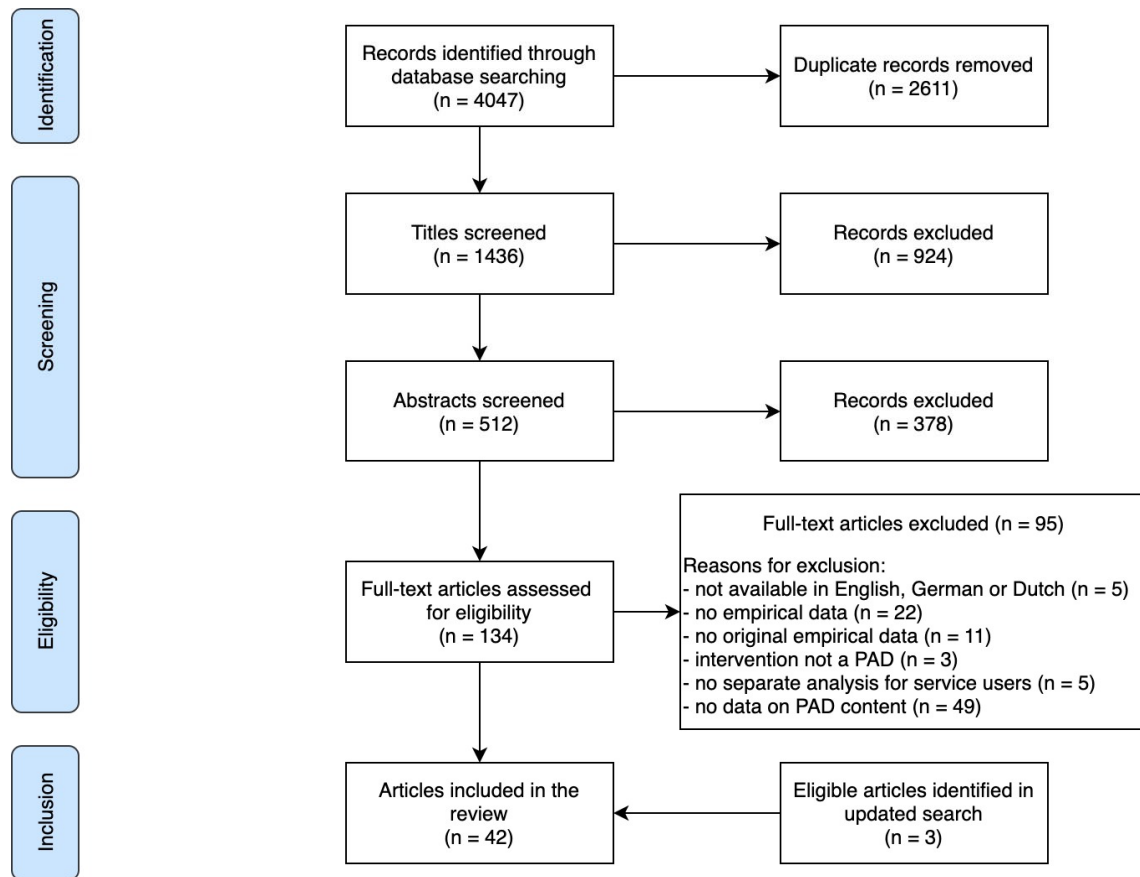


PRISMA flow diagram of included studies.



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])

Table of article characteristics.

Study No.	Reference	Country	Methods	Participating service users (n where available)	Type of study (h/d)*	PAD inclusion criterion to study?	Type of PAD	Quality Rating
1	Ambrosini et al. (2011a)	Canada (Quebec)	Qualitative interviews	Total n=12 Schizophrenia n=5 Bipolar n=3 Depression n=4	d	No, but PAD creation part of study	Facilitated by lawyer	QUAL 5
2	Ambrosini et al. (2011b)	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	d	No, but PAD creation part of study	90 % non-facilitated, 10 % facilitated by lawyer	QUAL 4 QUAN 5 MM 5
3	Amering et al. (2005)	USA (New York (state))	Qualitative interviews, focus groups	Adults with extensive experience with mental health services and crisis interventions, including hospitalisation Total n=33	d	No, but PAD created in the context of study	Non-facilitated	QUAL 5
4	Atkinson et al. (2003)	UK (Scotland)	Qualitative interviews, focus groups	Total n=6	h	No	Not specified	QUAL 3
5	Backlar et al. (2001)	USA (Oregon)	Qualitative interviews	Severe and persistent mental disorders Total n=40 Schizophrenia n=28 Other n=12	d	No, but PAD creation offered as part of study	Facilitated by researcher	QUAL 2,5

6	Borschmann et al. (2014)	UK (England)	Qualitative document analysis	Adults with Borderline Personality Disorder Total n=41	d	Yes, but PAD creation part of prior study	Joint Crisis Plan	QUAL 5
7	Buscemi (2003)	USA (Missouri)	Quantitative survey	Adults with mental illness, mostly diagnosis of bipolar, depression and schizophrenia Total n=137	h	No	Not specified	QUAN 2
8	Drack-Schoenenberger et al. (2016)	Switzerland	Qualitative document analysis	Total n=108 Schizophrenia n=23 Affective disorders n=29 Substance abuse disorders n=20 Neurotic, stress-related, somatoform disorders n=17 Personality disorders n=19	d	No, but PAD creation part of study	Crisis card facilitated by researcher	QUAL 5
9	Elbogen et al. (2007)	USA (North Carolina)	Mixed methods	Total n=125 Schizophrenia or schizoaffective disorder n=76 Bipolar or Major depression n=49	d	No, but PAD creation part of study	Facilitated by researcher	QUAL 4,5 QUAN 4,5 MM 1,5
10	Farrelly et al. (2014)	UK (England)	Qualitative document analysis	Adults with psychotic disorder, psychiatric admission within the last 2 years, currently in contact with community health team Total n=221 Schizophrenia spectrum n=164 Affective psychosis n=57	d	No, but PAD creation part of study	Joint Crisis Plan with treatment team and external facilitator	QUAL 5
11	Foy et al. (2007)	UK (Scotland)	Qualitative survey	Adults with severe and enduring mental illness Total n=58	h	No	Not specified	QUAL 2
12	Gowda et al. (2018)	India	Quantitative survey	Total n=182 Schizophrenia n=86 Affective disorders n=80 Other n=16	h	No, but PAD creation part of study	Not specified	QUAN 4
13	Graetz et al. (2012)	Germany	Mixed methods	Total n=36 Schizophrenia n=8	d	Yes	Joint Crisis Plan	QUAL 2 QUAN 3,5

				Schizoaffective disorder n=17 Affective disorder n=8 Neurotic or anxiety disorder n=2 Personality disorder n=6				MM 1,5
14	Henderson et al. (2017)	UK (England)	Quantitative document analysis	Adults with psychotic disorder, psychiatric admission within the last 2 years Total n=99	d	No, but PAD creation part of study	Joint Crisis Plan with treatment team and external facilitator	QUAN 5
15	Hindley et al. (2019)	UK	Quantitative survey	Bipolar Total n=932	d and h	No	Facilitated	QUAN 4
16	Hiu et al. (2020)	Singapore	Qualitative interviews	Psychotic related disorders Total n=28	h	No	Not specified	QUAL 5
17	Khazaal et al. (2008)	Switzerland	Qualitative document analysis	Total n=20 Bipolar n=17 Schizoaffective disorder n=3	d	No, but PAD creation part of study	PAD with CBT intervention in the creation process	QUAL 3
18	Kim et al. (2007)	USA (North Carolina)	Qualitative interviews	Severe mental illness Total n=28	d	No, but PAD creation part of study	Facilitated by researcher	QUAL 5
19	Kumar et al. (2013)	India	Qualitative document analysis	Schizophrenia or schizoaffective disorder Total n=122	d	No, but PAD creation part of study	Non-facilitated	QUAL 2
20	Lenagh-Glue et al. (2018)	New Zealand	Quantitative survey	Total n=23	h	No	Not specified	QUAN 3
21	Lenagh-Glue et al. (2020)	New Zealand	Qualitative document analysis	Total n=53	d	No, but PAD creation part of study	Created by service user alone, but witnessed	QUAL 5
22	Lequin et al. (2021)	Switzerland	Mixed methods	Documents (quan. and qual.): Total n=184 Substance use disorder n=83 Psychosis n=66	d	Yes	Joint Crisis Plan	QUAL 5 QUAN 3 MM 2,5

				Mood disorder n=28 Other n=7				
				Interviews (qual. and quan.): Total n=12 Mood disorders n=4 Psychosis n=3 Other n=4				
23	Morriss et al. (2020)	UK (England and Wales)	Mixed methods	Bipolar Quantitative survey: Total n=544 Qualitative interviews: Total n=18	d	Yes	Non-facilitated	QUAL 5 QUAN 3,5 MM 2,5
24	Morrissey (2015)	Ireland	Mixed methods	Total n=111	h	No	Not specified	QUAL 3 QUAN 4,5 MM 4,5
25	O'Connell et al. (2005)	USA (Ohio)	Mixed methods	Total n=32	h	No	Not specified	QUAL 4,5 QUAN 3 MM 2
26	Page et al. (2002)	UK (England)	Quantitative document analysis	Anorexia Nervosa Total n=41	d	Yes	Crisis Card, facilitated by nurse or social worker	QUAN 3
27	Papageorgiou et al. (2004)	UK (England)	Quantitative document analysis	In-patients due to discharge from involuntary treatment Documents: Total n=79 Questionnaire: Total n=59	d	No, but PAD creation part of study	Mostly created by service user alone, partly assisted by researcher	QUAN 5
28	Pathare et al. (2015)	India	Quantitative document analysis	Severe or chronic mental illness Total n=75	d	No, but PAD creation part of study	Facilitated by health worker	QUAN 5

29	Penzenstadler et al. (2019)	Switzerland	Qualitative document analysis	Addiction disorders Total n=49 Alcohol n=27 Polysubstance n=13 Cannabis n=3 Cocaine n=3 Heroin n=2 Benzodiazepine n=1	d	No, but PAD creation part of study	Facilitated by case managers	QUAL 5
30	Reilly et al. (2010)	UK (Scotland)	Qualitative document analysis	Total n=55	d	Yes	Not specified	QUAL 3,5
31	Scheyett et al. (2012)	USA (South Carolina)	Mixed methods	Students with severe mental illness Total n=40	h	No	Not specified	QUAL 5 QUAN 3 MM 3
32	Srebnik et al. (2005)	USA (Washington state)	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	d	No, but PAD creation part of study	Facilitated by software	QUAL 3,5 QUAN 4 MM 2,5
33	Stephenson et al. (2020)	UK	Qualitative focus groups	Bipolar Total n=10	h	No, but PAD creation part of study	Prototype PAD template developed (similar to JCP)	QUAL 5
34	Sutherby et al. (1999)	UK (England)	Mixed methods	Psychotic and bipolar disorder Total n=40	d	No, but PAD creation offered as part of study	(Joint) Crisis Plan, facilitated by researcher	QUAL 2,5 QUAN 4 MM 2
35	Swanson et al. (2003)	USA (North Carolina)	Quantitative survey	Schizophrenia and related disorders Total n=104	h	No	Not specified	QUAN 2

36	Swanson et al. (2006)	USA (North Carolina)	RCT	Schizophrenia, schizoaffective disorder, other psychotic disorder, or major mood disorder with psychotic features Total n=239	d	No, but PAD creation part of study	Facilitated by researcher	QUAN 3,5
37	Tekkalaki et al. (2018)	India	Quantitative survey	Total n=50 Schizophrenia n=30 Bipolar n=20	h	No	Not specified	QUAN 3,5
38	Thom et al. (2019)	New Zealand	Qualitative focus groups	Total n=25	h	No	Not specified	QUAL 5
39	Thom et al. (2015)	New Zealand	Quantitative survey	Total n=110	h	No	Not specified	QUAN 3,5
40	Valentine et al. (2021)	Australia	Qualitative interviews	First episode psychosis (young people) Total n=12	h	No	Not specified	QUAL 5
41	Varekamp (2004)	Netherlands	Qualitative interviews	Total n=18 Schizophrenia n=6 Bipolar n=11 Borderline personality disorder n=1	h	Partly (1/3 of participants)	Ulysses Directives	QUAL 5
42	Wilder et al. (2010)	USA (North Carolina)	Quantitative interviews and document analysis	Total n=123 Schizophrenia/schizoaffective disorder n=77 Bipolar n=31 Depression with psychotic features n=15	d	No, but PAD creation part of study	Facilitated	QUAN 4,5

*d = descriptive, contains data of the content of service users' PADs; h = hypothetical, contains data about service users' responses to questions about what should be included in PADs.

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