**Table 2.** Characteristics of studies that measured the actual acceptability of online and mobile phone-delivered interventions for SMI.

Alvarez- imenez et al 47] 2013	Uncontrolled pilot study	Early Psychosis Prevention and Intervention Centre (EPPIC, Melbourne)	4 weeks 7 modules	20	20.3 (2.7)	50
		,				
2013	Qualitative analysis of uncontrolled pilot study	Early Psychosis Prevention and Intervention Centre (EPPIC, Melbourne)	4 weeks 7 modules	20	20.3 (2.7)	50
Lederman, Wadley, Gleeson, Bendall, & Alvarez- imenez [49]	Qualitative analysis of uncontrolled pilot study	Early Psychosis Prevention and Intervention Centre (EPPIC, Melbourne)	4 weeks 7 modules	20	20.3 (2.7)	50
Kuosmanen et ıl [50]	Randomized Controlled Trial	9 acute inpatient wards in 2	'About' a month	Total: 311	IT: 37.3 (12.4)	IT: 61
2009	3 conditions: IT-based education (IT); conventional education (CE); standard care	hospitals	5 sessions	IT: 100 CE: 106 SC:	CE: 39.1 (12.6) SC: 37.9 (12.8)	CE: 61 SC 55
Ze Wa Gl Se Al in Zu	derman, adley, eeson, andall, & varez- nenez [49]  14  nosmanen et [50]	uncontrolled pilot study  derman, adley, eeson, endall, & vareznenez [49]  14  losmanen et [50] Randomized Controlled Trial (RCT):  09  3 conditions: IT-based education (IT); conventional education (CE); standard care	uncontrolled pilot study  derman, edley, eeson, endall, & varez- nenez [49]  Randomized Controlled Trial (RCT):  3 conditions: IT-based education (IT); conventional education (CE); standard care  Intervention Centre (EPPIC, Melbourne)  Farly Psychosis Prevention and Intervention Centre (EPPIC, Melbourne)  9 acute inpatient wards in 2 psychiatric hospitals	uncontrolled pilot study  derman, Qualitative analysis of uncontrolled pilot study  eeson, endall, & varez-nenez [49]  14  Randomized Controlled Trial (RCT):  3 conditions: IT-based education (IT); conventional education (CE);  Intervention Centre (EPPIC, Melbourne)  4 weeks  7 modules  7 modules  7 modules  7 modules  5 acrly Psychosis Prevention and Intervention Centre (EPPIC, Melbourne)  7 modules  5 modules  7 modules  5 sessions	uncontrolled pilot study  derman, adley, eeson, endall, & varez-nenez [49]  14  lossmanen et [50]  Randomized Controlled Trial (RCT):  09  Randomized Controlled Trial (RCT):  3 conditions: IT-based education (IT); conventional education (CE); standard care  lossmanen et led controlled education (CE); standard care  lossmanen et led controlled relation Centre (EPPIC, Melbourne)  Randomized Centre (EPPIC, Melbourne)  7 modules  8 month  311  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100  111  1100	uncontrolled pilot study    Intervention Centre (EPPIC, Melbourne)   Total: IT:   About a month   Total:   Tota

supported patient							
education	Hätönen, Suhonen, Warro, Pitkänen, & Välimäki [51] 2010	Qualitative analysis of RCT:  3 conditions: IT-based education; conventional education; standard care	9 acute inpatient wards in 2 psychiatric hospitals	'About' a month 5 sessions	Total: 16  IT: 6  CE: 6  SC: 4	35.7 (11.92)	68.75
	Kuosmanen, Jakobsson, Hyttinen, Koivunen, & Välimäki <sup>b</sup> [52] 2010	Uncontrolled pilot study	2 local service user mental health associations	Not applicable (NA) (usability testing)	21	Not reported (NR)	48
	Pitkänen et al [53] 2012	Further analysis of RCT:  3 conditions: IT-based education; conventional education; standard care	9 acute inpatient wards in 2 psychiatric hospitals	'About' a month 5 sessions	Total: 311 IT: 100 CE: 106 SC: 105	IT: 37.3 (12.4) CE: 39.1 (12.6) SC 37.9 (12.8)	IT: 61 CE: 61 SC: 51
	Anttila, Välimäki, Hätönen, Luukkaala, Kaila [54] 2012	Further analysis of RCT:  3 conditions: IT-based education; conventional education;	9 acute inpatient wards in 2 psychiatric hospitals	'About' a month 6 sessions	100	37.2 (12.2)	62.4

Beating Bipolar	Laine, Anttila, & Välimäki <sup>b</sup> [55] 2015	standard care  (Reports on the IT education group)  Phase 1: Qualitative needs assessment;  Phase 2: Preliminary evaluation feedback  Focus groups	Psychiatric rehabilitation unit for adolescents in 1 hospital	N/A (felt needs and initial thoughts)	Phase 1: 6 Phase 2: 2	NR NR	50 NR
UK	[56] 2011	3 1	from another part of the study	groups)			
Clinician confirmed: Bipolar disorder  Online interactive psychoeducation plus moderated discussion forum	Smith et al [57] 2011	RCT:  2 conditions: Beating Bipolar plus TAU; TAU only	Primary care practices & community mental health teams. Case files from the Mental Health Research Network Cymru (Wales). Members of the Manic Depression Fellowship in Wales through local group coordinators	4 months 8 modules	Total: 50  Beating Bipolar: 24  TAU: 26	Beating Bipolar: 42.7 (11.4) TAU: 44.7 (9.9)	Beating Bipolar: 45.8  TAU: 30.8
	Poole, Simpson, & Smith [58]	Qualitative analysis of RCT:	Primary care practices & community	4 months 8 modules	Total: 20	NR	High users: 57.14

	2012	2 conditions: Beating Bipolar plus TAU; TAU only	mental health teams. Case files from the Mental Health Research Network Cymru (Wales). Members of the Manic Depression Fellowship in Wales through local group coordinators		High users: 14 Low users: 6		Low users: 83.33
Health Steps for Bipolar Disorder Australia Confirmed by clinical questionnaire: Bipolar disorder Online psychoeducation plus CBT & mood monitoring	Barnes, Hadzi- Pavlovic, Wilhelm, & Mitchell [59] 2015	RCT:  2 conditions: Health Steps for Bipolar Disorder; Attention control (AC)	Online recruitment	12 months 20 sessions	Total: 233 Health Steps: 113 AC: 120	Health Steps: 40.9 AC: 37.6	Health Steps: 26.5 AC: 29.2
FOCUS US Clinician	Ben-Zeev et al <sup>b</sup> [40] 2013	Pilot usability testing	NR	N/A (usability testing)	12	45	67
confirmed: Schizophrenia or schizoaffective disorder Mobile (smartphone) assessment prompts & various evidence- based interventions to target psychotic	Ben-Zeev et al [60] 2014	Pre-post single- group field trial	Community- based treatment programs	1 month 3 prompts daily	33	45.9 (8.78)	61

symptoms							
Personal control in Rehabilitation (PCR) the Netherlands Clinician confirmed: FEP or schizophrenia Online patient information, selfmanagement, psychoeducation, and digital contact with other patients and caregivers	de Leeuw, van Splunteren, & Boerema <sup>b</sup> [61] 2012	Uncontrolled pilot study	NR	NR	Main study: 60 Subsequent focus group: 19	NR	Main study: NR Focus group: 73.68
PRISM US Clinician confirmed: Bipolar disorder In-person	Depp et al [62] 2010	Uncontrolled pilot study	NR	2 weeks 4 assessment prompts daily	10	41 (13.7)	NR
psychoeducation followed by mobile symptom monitoring plus coping strategies feedback	Depp et al [63] 2015	RCT:  2 conditions: PRISM; paperand-pencil mood charting	Advertisements & posters online & in community residential & drop-in settings, self-help support groups, & outpatient psychiatric clinics	10 weeks 2 survey prompts daily	PRISM: 41 Paper-and- pencil: 41	PRISM: 46.9 (11.8) Paper-and- pencil: 48.1 (12.9)	PRISM: 46.3 Paper-and- pencil: 36.6
MATS US Clinician	Depp et al [62] 2010	Uncontrolled pilot study	NR	12 weeks 3 assessment	8	NR	NR

confirmed: Schizophrenia or schizoaffective disorder Mobile symptom monitoring plus CBT techniques	Granholm, Ben- Zeev, Link, Bradshaw, & Holden [64] 2012	Uncontrolled pilot study	Outpatient residential & community settings in the Veterans Affairs San Diego Healthcare System & the San Diego County Mental Health System	prompts daily  12 weeks  12 messages sent each day	Total: 55 Completers: 42 Non completers 13	Completers: 48.7 (9.1)  Noncomplet ers: 48.9 (7.9)	Completers: 69  Noncomplet ers: NR
MHEN  Canada  Clinician confirmed: Personality disorder or psychotic disorder  Mobile and online personal health records, mood monitoring, prompts and reminders, health journals, and secure messaging with mental health professionals	Forchuk, Donelle, Ethridge, & Warner <sup>a</sup> [65], L Warner, MSc, written communication, June 2015; 2015	Secondary analysis of mixed-methods delayed- implementation study	Health care providers from 4 community mental health agencies	18 months	Total: 258 Psychotic disorder: 234 Personality disorder: 24	Overall sample (incl. other diagnoses): 37.6 (13.8)	Overall sample (incl. other diagnoses): 60.7
Coping with Voices US	Gottlieb, Romeo, Penn, Mueser, &	Open pilot study	4 community mental health clinics	10 sessions	21	40.1 (13.63)	62

Clinician confirmed: Psychotic disorder Online logs, exercises, and games based on CBT principles & coping techniques	Chiko [66] 2013						
Sweden Clinician confirmed: Bipolar disorder Type II Online CBT with psychoeducation, emotion regulation, sleep quality, cognitive restructuring, long-term goals, & relapse prevention	Holländare, Eriksson, Lövgren, Humble, & Boersma [67] 2015	Uncontrolled pilot study	Letters sent to service users on a psychiatry database held by Region örebro County	6 weeks 6 modules	4	48.75 (14.29)	25
DHFS US Clinician confirmed: Schizophrenia or bipolar disorder Digital sensor to confirm tablet ingestion, wearable sensor, mobile self- reported information, & personalized weekly report	Kane et al [68] 2013	Pilot observation study	Referrals & advertisements at the Zucker Hillside Hospital & Massachusetts Hospital	4 weeks	Schizophrenia group: 16 Bipolar disorder group: 12	42.8 (12.7)	64.3

Czech Republic Clinician confirmed: Bipolar disorder Online psychoeducation	Latalova et al [69] 2014	Uncontrolled pilot study	Service users hospitalized in a psychiatric department or attending a day hospital program	12 modules	12	NR	NR
MoodSwings (MS) & MoodSwings Plus (MS-Plus)	Lauder et al <sup>b</sup> [70] 2013	Uncontrolled pilot study	Referrals from service providers & online	5 core modules; 3 booster modules	12	41.92 (11.16)	16.7
Australia Confirmed through clinical interview: Bipolar disorder Online psychoeducation, discussion forums (MS), and CBT (MS-Plus)	Lauder et al [71] 2015	RCT: 2 conditions: MS; MS-Plus	Clinician referral, online, & advertising via conferences & consumer & professional forums	12 months 5 core modules; 3 booster modules	Total: 130 MS: 59 MS-Plus: 71	MS: 41.35 (9.85) MS-Plus: 39.87 (11.26)	MS: 24 MS-Plus: 27
Unites States Self-reported: Bipolar disorder Online social rhythm therapy, mood charting, and activity planning	Lieberman et al [72] 2011	Uncontrolled pilot study	Online advertisements	90 days	64	43 (12.5)	12.7
FIMM US Clinician confirmed: Bipolar disorder In-person psychoeducation followed by online or mobile mood monitoring	Miklowitz et al [73] 2012	2 uncontrolled pilot studies	Outpatient mood disorders program of the Warneford Hospital & Oxford Health Foundation NHS Trust	120 days Weekly ratings	Total: 19 Pilot 1: 14 Pilot 2: 5	37.2 (11.7)	31.6

and graphical reports							
ORBIT Australia Self-reported: Late stage bipolar disorder  Online strategies and exercises from acceptance and commitment therapy and mindfulness-based cognitive therapy	Murray et al [74] 2015	Uncontrolled pilot study	CREST.BD (international research & knowledge exchange network) website, Facebook, &Twitter pages	3 weeks 4 modules	26	46.6 (12.9)	25 (note: sex not obtained for 10 participants due to technical error)
Bipolar Education Program (BEP) Australia Clinician confirmed: Bipolar disorder Online psychoeducation, mood charts, and support from 'informed supporters' via email	Nicholas et al [75] 2010	Qualitative analysis of RCT:  3 conditions: BEP; BEP plus informed supporters (BEP + IS); Attention control (AC)	Black Dog Institute Mood Disorders clinic, the Black Dog Institute website, community mental health organizations, general practitioners & psychiatrists, & the print media	8 weeks 8 modules	BEP: 16 BEP + IS: 9 AC: 14	NR	44
	Proudfoot et al [76] 2012	RCT:  3 conditions: BEP; BEP + IS; Attention control (AC)	Black Dog Institute Mood Disorders clinic, the Black Dog Institute website, community mental health	8 weeks 8 modules	BEP: 139 BEP + IS: 134 AC: 134	NR	BEP: 33.1  BEP + IS: 26.9  Attention control:

			organizations, general practitioners & psychiatrists, & the print media				30.6
The Netherlands Clinician confirmed: Schizophrenia or axis 2 diagnosis with psychotic symptoms In-person psychoeducation plus mobile text message goal prompts	Pijnenborg et al [77] 2010	Controlled trial:  Group 1: A-B-A design (direct intervention - DI); Group 2: A-A-B-A design (waiting list - WL)	Referred by psychologists, psychiatrists, or nursing staff when impaired goal-directed behavior was observed	7 weeks	62 DI: 33 WL: 29	DI: 28.3 (8.0) WL: 25.7 (7.5)	DI: 77 WL: 86
DBT Coach US Clinician confirmed: Borderline personality disorder with comorbid substance use disorder Mobile dialectical behavior therapy	Rizvi, Dimeff, Skutch, Carroll, & Linehan <sup>b</sup> [31] 2011	Uncontrolled pilot study	3 outpatient DBT programs in the Pacific Northwest	10–14 days	22	33.86 (10.27)	18.2
SOAR US Clinician confirmed: Schizophrenia or schizoaffective disorder In-person	Rotondi et al <sup>b</sup> [78,79] 2005, 2010	RCT:  2 conditions: Telehealth website; Usual care	Referred by staff at inpatient & outpatient psychiatric rehabilitation centers & psychiatric care units	N/A	Total: 31 Telehealth: 16 Usual care: 15	38 (11)	Telehealth: 38 Usual care: 27

psychoeducation followed by online psychoeducation, therapy groups, and questions via email	Rotondi, Eack, Hanusa, Spring, & Haas [80] 2015	Usability testing of SOAR compared with other websites	6 community mental health outpatient psychiatric rehabilitation centers	N/A (usability testing)	38	42.7 (6.62)	50
MyRecoveryPlan US Self-reported: Bipolar disorder Online psychoeducation	Simon et al [81] 2010	Randomized controlled pilot study:  2 conditions: Program plus peer coaching; Program only	Email announcement to local Depression & Bipolar Support Alliance (DBSA) chapters, DBSA website, sponsored advertisement on Google, invitations from participants to peers, & cards in mental health clinics	Program available for 4–9 months (depending on sign-up time)	Total: 118 Coaching group: 64 Program only: 54	NR	28
Living with Bipolar (LWB) UK Confirmed by clinical questionnaire: Bipolar disorder Online psychoeducation	Todd, Jones, & Lobban [82] 2012	Focus groups	Advertisement presented at self-help groups in the North West of England & Internet discussion forums	N/A (focus groups)	12	42 (8.85)	58.33
and CBT	Todd, Jones, Hart, & Lobban. [83] 2014	RCT:  2 conditions: LWB plus TAU; Waiting list	Voluntary sector organizations & online advertisements	6 months	Total: 122 LWB: 61	LWB: 42 (10.35) WL: 45 (11.97)	LWB: 26 WL: 30

		control (WL)			WL:		
WEGWEIS the Netherlands	van der Krieke, Emerencia, Aiello, &	Pilot usability testing	4 mental health care organizations	N/A (usability testing)	15	42	NR
Clinician confirmed: Schizophrenia or related psychotic	Sytema <sup>b</sup> [84] 2012		referred by clinicians & other study participants				
Online routine outcome monitoring and personalized advice	van der Krieke et al <sup>b</sup> [85] 2013	RCT: 2 conditions: WEGWEIS; TAU	2 outpatient teams for psychosis: early intervention for psychosis team & a rehabilitation team	6 weeks	Total: 250 WEGWEIS: 124 TAU: 126	WEGWEIS: 37 (12.35) TAU: 40 (12.7)	WEGWEIS: 67 TAU: 36
US Clinician confirmed: Bipolar disorder Mobile assessment & semi- individualized automatic feedback	Wenze, Armey, & Miller [86] 2014	Uncontrolled pilot study	Private psychiatric hospital: inpatient, partial hospital, and outpatient settings	2 weeks	14	40.86 (12.5)	28.57

<sup>&</sup>lt;sup>a</sup> Study also included participants with different diagnoses; results for these participants are not reported in this review.

<sup>&</sup>lt;sup>b</sup> Study included data from caregivers and/or clinicians; results from these participants are not reported in this review.