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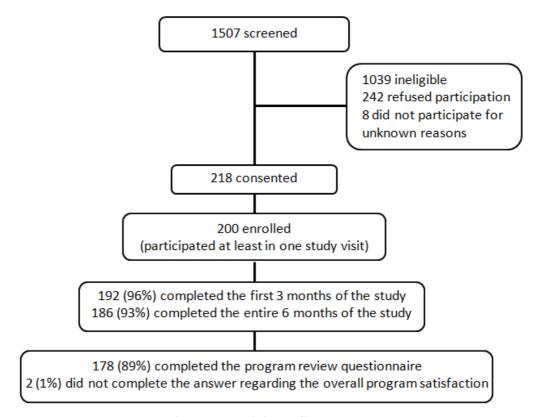


Figure 1. Participant flow

Chi-Square tests revealed no significant difference in sex (p=0.42) or race (p=0.34) between patients refusing and agreeing to participate in the study.

Table 2. Demographic characteristics of the sample (N=200).

Variable	N	%	Comments
Location			
The Zucker Hillside hospital	71	35.5	Non-for-profit behavioral health center within NS- LIJ health system which includes inpatient and outpatient units and a clinical research center for the study of schizophrenia.
Henderson Behavioral Health	30	15.0	A privately held company which provides outpatient/recovery behavioral health services for persons with mental illnesses and substance use disorders.
Peace Health Medical System	24	12.0	Not-for-profit health care system.
Burrell Behavioral Health	23	11.5	Not-for-profit organization that provides a wide range of mental health services.
The Mental Health Center of Greater Manchester	16	8.0	A non-profit community mental health center that provides a wide range of mental health services.
Cherry Health	15	7.5	A non-profit Health Center with a primary focus of providing health services to those who have little or no access to health care, regardless of income or insurance status.
Community Mental Health Center Inc.	13	6.5	Privately held company that provides a wide range of mental health services, offering inpatient, outpatient, home-based, school, and community-based programs to individuals and families.
University of New Mexico Center for RCBH	5	2.5	Center located within the UNM Department of psychiatry that aims to increase access to behavioral health services and researches behavioral health services.
Care Free Clinic	2	1.0	A nonprofit organization serving patients without insurance or without access to affordable care offering a collection of primary care, dental care, optometry, and behavioral health care services.
UMKC School of Pharmacy	1	0.5	The School of Pharmacy in University of Missouri-Kansas City is a member of the American Association of Colleges of Pharmacy (AACP) and has several clinical researchers in the field of schizophrenia.
Gender			
Male	117	58.5	

Female	83	41.5
Ethnical Background		
White ^a	95	47.5
Black or African	62	31.0
American Asian	8	4.0
Hispanic or Latino	22	11.0
American/Alaska native	2	1.0
More than one race	11	5.5
Mean Age	34.6 ± 10.6	
Age <26.7	50	25.0
26.7 < Age < 32.5	50	25.0
32.5 < Age < 42.0	50	25.0
42.0 < Age	50	25.0
Education		
Below high school	50	25.0
diploma		
High school diploma	50	25.0
Some post secondary	84	42.0
school		
Finished College/Post	16	8.0
Graduate degree		
Diagnosis		
Schizophrenia	99	49.5

Schizoaffective disorder	93	46.5
Psychosis NOS	8	4.0
Mean Age of First	22.0 ± 9.0	
Psychosis (AFP) b		
AFP < 16.5	47	23.5
16.5 < AFP < 20.5	51	25.5
20.5 < AFP < 26.5	50	25.0
26.5 < AFP	41	20.5
Missing	11	5.5

^a a person having origins in any of the original peoples of Europe, the Middle East, or North Africa.
^b mean and standard deviation calculations are based on participants without missing data.

Table 3. Descriptive statistics of Mental Health Technology Coach contacts (N=200).

		Mean	SD	% out of total number of meetings
	Number of contacts	28.2	2.0	-
	Average minutes per contact	38.3	14.2	-
	Outpatient setting	10.0	7.0	35.5
Contact location	Phone call	7.3	7.8	25.9
	Patient's home	4.4	5.2	15.6
	Phone text messaging	2.6	6.2	9.2
location	Patient's home 4.4 5.2 Phone text messaging 2.6 6.2 Community 2.4 4.0 Family member b 1.0 2.0 Hospital 0.3 0.8 Email 0.2 1.1	8.5		
		3.5		
	Hospital	0.3	0.8	1.1
	Email	0.2	1.1	0.7
	Case management	14.6	15.0	51.8
Contact	Relapse prevention plan	12.5	9.6	44.3
Content ^a	FOCUS	8.3	6.8	29.4
	Daily Support Website	5.8	6.4	20.6
	W-CBTSp ^c	4.2	5.5	14.9
Digital Tool	Only digital tool d	3.5	4.2	12.5
Discussion	Without digital tool ^e	15.6	14.5	55.5
	Both in the same contact	9.0	6.9	32.0

^a in some contacts more than one content was discussed, therefore the accumulated percentage of all contents is more than 100%.

^b contacts with family members were held in changing locations, sometimes without the patients' presence (following the patient's permission).

^c W-CBTSp: Web based Cognitive Behavioral Therapy Skills for Psychosis

^d contacts with only digital content (FOCUS, Daily support, W-CBTSp) being discussed.

^e contacts with only non-digital content (relapse prevention plan, case management) being discussed.

See explanation below and tables 4-5 for moderating effects.

Results of Moderating Effects Analysis

We sought to examine moderating effects of six demographic and illness variables on the results. We dichotomized the specific demographic variables in the following ways: Age was divided into "below" and "above" the median of 32.48 years; age of first psychotic episode was divided into "up to" and "above" the median of 20.0 years; education was divided into "up to" and "above" 12 years; racial background was divided into "white" and "non-white", and main psychiatric diagnosis was divided into "schizophrenia" and "others". T-tests for two independent samples were calculated to examine moderation effects of these demographic and illness variables and gender on the continuous outcomes. Chi-square tests were calculated to examine moderation effects on the use of the digital tools, and a series of Mann-Whitney tests for two independent samples was performed to examine moderation effects on perceived usability and helpfulness. Since the statistical examination of the variables included many comparisons, we adjusted the p-values based on Benjamini-Hochberg correction¹, with one correction to the analysis of the continuous variables and the second correction to the analyses of the non-continuous variables.

No moderation effect was found regarding perceived usability or helpfulness. The examination of the potential moderating effects of all demographic and illness variables that were found to have at least one statistically significant difference in MHTC contact characteristics are presented in Tables 4-5. Overall, the MHTC contact characteristics were consistent across

demographic and illness subgroups. Significant differences between racial backgrounds were found, as non-white patients had more meetings in outpatient settings, twice as many meetings over the phone, and twice as many case management meetings. Younger people (age <32.5) had almost twice as many case management meetings in comparison to older people. In addition, females and more educated patients discussed FOCUS in more meetings compared to males and less educated patients. Finally, more educated patients (education >12.0 years) had more conversations about the relapse prevention plan.

Table 4. Number of MHTC contacts in total and by location and contents: distribution in racial and age sub-groups (mean \pm SD).

		White (n=95)		Non White (n=105)		Age < 32.5 (n=104)		Age $> = 32.5$ (n=96)	
		M	SD	M	SD	\mathbf{M}	SD	M	SD
Total	Contacts number	25.02	15.88	31.03	16.07	30.53	18.37	25.82	13.44
	Average minutes	37.71	13.68	38.84	14.69	38.81	15.13	37.75	13.17
Location	Outpatient	7.94 ^a	7.26	11.93 ^a	6.09	10.38	6.42	9.69	7.46
	Phone	4.78 a	5.59	9.64 ^a	8.75	8.19	8.48	6.47	6.97
	Patient's home	4.97	6.25	3.83	3.95	4.07	4.55	4.67	5.77
	Phone text	3.85	7.88	1.49	3.71	3.06	7.10	2.16	5.04
	Community	2.59	4.30	2.29	3.64	2.80	4.07	2.06	3.83
	Family member	.58	1.62	1.30	2.28	1.31	2.24	.61	1.72
	Hospital	.16	.44	.37	1.01	.40	1.01	.14	.47
	Email	.16	.66	.18	1.45	.32	1.59	.02	.14
Content	Case manage	9.85 ^a	9.85	18.93 ^a	17.49	18.86 ^a	17.64	10.38 ^a	10.38
	Relapse Prevention	12.96	10.70	12.06	8.58	11.86	9.67	13.11	9.61
	FOCUS	8.31	7.71	8.28	5.93	7.36	6.53	9.22	6.99
	Daily Support	5.15	6.59	6.30	6.23	5.55	6.17	5.96	6.68
	W-CBTSp	5.17	6.25	3.31	4.46	3.39	4.31	5.00	6.31

 $^{^{}a}$ the groups differed significantly at Benjamini-Hochberg adjusted p < .05 in t-test for two independent samples.

Table 5. Number of MHTC contacts in total and by location and contents: distribution in gender and education sub-groups (mean \pm SD).

			ale 117)	Fen (n=		Education yea (n=1	ırs	Education more than 12 years (n=100)	
		M	SD	\mathbf{M}	SD	M	SD	M	SD
Total	Contacts number	27.71	17.37	28.83	14.53	26.67	15.92	29.68	16.47
	Average minutes	38.74	14.37	37.69	14.01	38.72	13.88	37.89	14.56
Location	Outpatient	9.37	6.03	10.98	8.01	8.87	6.37	11.20	7.34
	Phone	7.49	8.81	7.11	6.12	7.12	7.67	7.54	7.95
	Patient's home	3.79	4.37	5.18	6.11	4.86	5.20	3.88	5.16
	Phone text	2.56	5.70	2.69	6.79	2.00	4.99	3.22	7.11
	Community	2.77	4.10	1.95	3.72	2.55	3.86	2.31	4.07
	Family member	1.22	2.36	.59	1.35	.99	2.24	.93	1.79
	Hospital	.26	.89	.28	.65	.12	.41	.42	1.04
	Email	.25	1.45	.06	.39	.16	1.40	.18	.80
Content	Case manage	15.67	16.10	13.14	13.38	14.91	16.22	14.33	13.85
	Relapse Prevention	11.43	8.95	13.98	10.40	10.05 ^a	7.45	14.92 a	10.92
	FOCUS	6.94 ^a	5.75	10.19 ^a	7.72	6.89 ^a	5.66	9.69 ^a	7.57
	Daily Support	4.91	5.96	6.95	6.86	4.74	6.18	6.77	6.51
	W-CBTSp	3.46	4.24	5.23	6.70	3.48	4.53	4.91	6.18

 $^{^{\}text{a}}$ the groups differed significantly at Benjamini-Hochberg adjusted p < .05 in t-test for two independent samples.