

eTable 1. Suicide Attempt and Ideation Outcomes

Variables	Analytic N	Unadjusted Estimate				Adjusted Analysis <sup>†</sup>		
		FISP		CONTROL		Intervention vs. CONTROL		
		N	%	N	%	OR <sup>a</sup>	95% CI	P Value
Suicide attempts, DISC	139	4	6.4	5	6.5	1.0	.2 to 3.8	.94
		Mean ±SD		Mean ±SD		Group-difference <sup>b</sup>	95% CI	
HASS at follow-up								
Suicidal behavior	131	3.2±4.8		3.6±4.7		-.3	-1.9 to 1.3	.73
Suicidal ideation	128	13.6±13.3		12.1±12.2		1.7	-2.7 to 6.2	.44

Abbreviations: FISP, Family Intervention for Suicide Prevention; CONTROL, Emergency Department Treatment as Usual (Enhanced by Provider Education); SD, standard deviation; OR, odds ratio; RR, rate ratio; CI, confidence interval; DISC, Diagnostic Interview Schedule for Children; HASS, Harkavy Asnis Suicide Scale. HASS Suicidal Behavior, Range 0-25. HASS Passive Suicidal Ideation, Range 0-60.

<sup>†</sup>Baseline suicide attempts were adjusted for site, gender, age, and baseline CES-D; the follow-up analyses included additional variables of time to follow-up, baseline suicide attempts, and baseline CBCL Total Problem Score.

<sup>a</sup>Logistic regression; <sup>b</sup>Linear regression.

eTable 2. Clinical and Functioning Outcomes

	Analytic N	Unadjusted Estimate				Adjusted Analysis <sup>†</sup>		
		FISP		CONTROL		Between group difference	95% CI	P value
		M±SD or N	%	M±SD or N	%			
CES-D total score	131	24.6±14.3		22.7±14.2		2.2	-2.4 to 6.8	.35
CES-D severe range (≥ 24)	131	33	57	33	45	OR=1.8	.8 to 4.0	.17
CBCL internalizing,	128	65.8±11.8		64.9±11.8		-1.0	-4.4 to 2.3	.54
CBCL externalizing,	128	65.0±10.0		62.8±11.9		-.4	-3.3 to 2.4	.76
CBCL total problems	128	67.4±10.6		65.8±11.8		-1.1	-3.9 to 1.7	.45
CBCL internalizing clinical range	128	35	63	37	51	OR=1.3	.5 to 3.1	.62
CBCL externalizing clinical range	128	31	55	37	51	OR=.6	.2 to 1.6	.30
CBCL total problems clinical range	128	35	63	45	63	OR=.6	.2 to 1.6	.31
CBQ Family Conflict	129	5.3±3.8		4.8±4.1		.1	-1.2 to 1.3	.90
Parent CES-D	104	17.0±10.9		16.7±13.4		.1	-4.4 to 4.6	.97

Abbreviations: FISP, Family Intervention for Suicide Prevention; CONTROL, Emergency Department Treatment as Usual (Enhanced by Provider Education); SD, standard deviation; OR, odds ratio; CI, confidence interval; CES-D, Center for Epidemiological Studies-Depression Scale; CBCL, Child Behavior Checklist; CBQ, Conflict Behavior Questionnaire.

<sup>†</sup>Linear regressions for continuously scaled dependent variables and logistic regressions for binary variables; analyses adjusted for site, gender, age, time to follow-up, baseline CES-D, and baseline CBCL Total Problem Score.

eTable 3. Instrumental Variable Analysis Modeling Linkage to Any Outpatient Community Mental Health Treatment Post-ED/Hospital Discharge and Clinical/Functioning Outcomes

	<i>Treatment Equation</i>				<i>Outcome Equation</i>			
	<b>Coefficient</b>	<b>SE</b>	<b>z</b>	<b>p-Value</b>	<b>Coefficient</b>	<b>SE</b>	<b>z</b>	<b>p-Value</b>
<i>HASS Suicidal Behavior<sup>a</sup></i>								
Any mental health treatment					-1.80	3.40	-.53	.596
FISP vs CONTROL	.83	.33	2.51	.012				
Age	-.05	.08	-.62	.538	-.19	.23	-.86	.388
Female sex	-.33	.38	-.87	.385	1.69	1.00	1.70	.090
Baseline CES-D	.02	.01	1.38	.166	.07	.04	1.88	.060
Site	1.26	.43	2.95	.003	.58	1.13	.51	.611
Intercept	.81	1.24	.65	.517	3.82	4.21	.91	.364
<i>CES-D severe range (<math>\geq 24</math>)<sup>b</sup></i>								
Any mental health treatment					1.51	.47	3.18	.001
FISP vs CONTROL	.88	.31	2.82	.005				
Age	-.04	.08	-.46	.648	.00	.06	.06	.953
Female sex	-.27	.37	-.74	.457	.61	.27	2.24	.025
Baseline CES-D	.01	.01	1.09	.276	.03	.01	2.58	.010
Site	1.33	.44	3.03	.002	-.41	.26	-1.57	.115
Intercept	.61	1.21	.51	.612	-2.64	1.02	-2.60	.009

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	<i>Treatment Equation</i>				<i>Outcome Equation</i>			
	<b>Coefficient</b>	<b>SE</b>	<b>z</b>	<b>p-Value</b>	<b>Coefficient</b>	<b>SE</b>	<b>z</b>	<b>p-Value</b>
<i>CBCL total problems clinical range (&gt;63)<sup>b</sup></i>								
Any mental health treatment					.36	1.26	.28	.776
FISP vs CONTROL	.74	.37	1.99	.047				
Age	-.00	.10	-.05	.961	-.08	.08	-1.05	.295
Female sex	-.35	.41	-.84	.403	.25	.32	.80	.425
Baseline total problems	.04	.02	2.43	.015	.09	.02	3.88	<.001
Site	1.21	.39	3.09	.002	.62	.40	1.53	.127
Intercept	-1.87	1.94	-.96	.336	-5.03	1.70	-2.95	.003

Abbreviations: FISP, Family Intervention for Suicide Prevention; CONTROL, Emergency Department Treatment as Usual (Enhanced by Provider Education); HASS, Harkavy Asnis Suicide Behavior Scale, Range 0-25. CES-D, Center for Epidemiological Studies-Depression Scale; CBCL, Child Behavior Checklist.

<sup>a</sup>Two step treatment-effects model using treatreg command in STATA version 11.1. <sup>b</sup>Bivariate probit model using biprobit command in STATA version 11.1.