

**Appendix Table 1. Baseline Characteristics of BHH Intervention and non-BHH Patients Before Propensity Score Adjustment – By Diagnosis**

<b>Variable</b>	<b>All Control Patients n=1521</b>	<b>All BHH Patients n=424</b>	<b>Schizophrenia Controls n=962</b>	<b>Schizophrenia BHH n=369</b>	<b>Bipolar Controls n=559</b>	<b>Bipolar BHH n=55</b>
Female	51.35	46.70	47.92	46.07	57.25	50.91
Age	50.19	48.41	51.80	48.65	47.43	46.80
<b>Race/Ethnicity</b>						
White Non-Hispanic	59.11	64.15	53.53	63.69	68.69	67.27
Black	18.41	22.17	23.08	22.22	10.38	21.82
Hispanic	8.42	2.12	9.46	2.17	6.62	1.82
Asian	1.97	2.12	2.49	2.17	1.07	1.82
Non-English Speaker	20.84	10.61	24.53	11.38	14.49	5.45
Medicare	48.72	56.60	53.43	58.54	40.61	43.64
Medicaid	33.00	32.78	33.37	32.25	32.38	36.36
Private Insurance	70.61	70.75	70.79	71.27	70.30	67.27
Uninsured	1.12	0.71	0.62	0.27	1.97	3.64
% Female Head of Household (CBG)	21.36	22.46	21.54	22.45	21.05	22.48
% Foreign Born (CBG)	29.76	28.90	30.19	28.62	29.01	30.79
% Living <FPL (CBG)	11.27	12.27	11.17	12.13	11.46	13.19
% Less than High School Grad (CBG)	13.96	11.82	14.33	11.76	13.32	12.21
Diabetes	15.78	10.14	19.02	10.30	10.20	9.09
Bipolar Disorder	36.75	12.97	0.00	0.00	100.00	100.00
Hypertension	33.00	25.94	35.03	26.02	29.52	25.45
LDL Level	106.33	113.86	104.80	112.75	109.30	119.72
HbA1c%	6.27	5.91	6.32	5.91	6.17	5.93
Fasting Glucose	121.20	113.21	125.45	122.48	113.46	109.03
Current Smoker	30.97	32.08	29.63	31.98	33.27	32.73
Pre Period ED Use (%)	40.43	38.21	38.05	37.40	44.54	43.64
Pre Period Psychiatric Hospitalization (%)	8.15	12.03	9.77	12.20	5.37	10.91
Pre Period Medical Hospitalizations (%)	20.78	17.45	22.14	17.89	18.43	14.55
Pre Period Glucose Screen (%)	69.17	64.62	70.58	63.69	66.73	70.91
Pre Period HbA1c Screen (%)	42.01	49.29	45.11	47.97	36.67	58.18
Pre Period LDL screen (%)	41.75	47.64	43.66	46.07	38.46	58.18

**Appendix Table 2. Pre-Post Differences in Health Measures and Lab Results for BHH and non-BHH Patients with Propensity Score Weighting (Diabetes Patients Only)**

Variable	(contrast) (BHH <sub>Post</sub> – Control <sub>Post</sub> ) – (BHH <sub>Pre</sub> – Control <sub>Pre</sub> )	Delta SE	p-value	*<.10; **<0.05
LDL levels	8.016	6.203	.196	
Hemoglobin A1c levels	.202	.300	.500	
Glucose levels	-6.937	16.512	.674	

**Appendix Table 3 - Pre Post Differences for BHH and non-BHH Patients by Diagnosis Group**

Variable	Schizophrenia			Bipolar		
	Contrast (BHHPost – ControlPost) - (BHHPre – ControlPre)	Delta SE	p-value	Contrast (BHHPost – ControlPost) - (BHHPre – ControlPre)	Delta SE	p-value
<b><u>Service Utilization</u></b>						
% Patients with any ED Use	.016	.036	.651	-.012	.085	.886
Total ED	-.492	.197	<b>.012</b>	-.062	.259	.809
Num ED Visits (given any ED)	-.696	.234	<b>.003</b>	N/A	N/A	N/A
% Patients with Any Psychiatric Hospitalizations	-.030	.023	.192	.021	.050	.668
Total Psychiatric Hospitalizations	-.134	.044	<b>.002</b>	.009	.089	.924
Number Psychiatric Hospitalizations (given any)	-.735	.205	<b>&lt;.001</b>	N/A	N/A	N/A
% Patients with Any Medical Hospitalizations	-.005	.027	.847	-.012	.068	.861
Number Medical Hospitalizations (given any)	-.317	.186	.087	-.026	.137	.847
Total Medical Hospitalizations	-.076	.054	.164	N/A	N/A	N/A
<b><u>Screenings</u></b>						
LDL Test	.078	.042	.064	.035	.087	.684
HbA1c Test	.083	.041	<b>.042</b>	.086	.080	.286
Glucose Test	.019	.037	.620	-.004	.083	.959
Either HbA1c or Glucose	.052	.034	.130	.048	.069	.485
<b><u>Lab Results</u></b>						
LDL Levels	-4.094	3.695	.268	N/A	N/A	N/A
Hemoglobin A1c Levels	.052	.085	.538	N/A	N/A	N/A
Glucose Levels	4.028	3.158	.202	N/A	N/A	N/A

Notes: N/A is displayed in areas where sample sizes were too small to calculate difference-in-difference results.

**Appendix Table 4. Pre-Post Differences for Service Utilization for BHH and non-BHH Patients with Propensity Score Weighting – Including Primary Care Visit in Propensity Score**

Variable	Contrast (BHH <sub>Post</sub> – Control <sub>Post</sub> ) - (BHH <sub>Pre</sub> – Control <sub>Pre</sub> )	Delta SE	p-value	*<.10; **<.05
<i>Service Utilization</i>				
% Patients with Any ED Use	.014	.033	.678	
Total ED visits	-.391	.178	<b>.029</b>	**
Num. ED visits (excluding zeros)	-.587	.222	<b>.008</b>	**
% Patients with any psychiatric hospitalizations	-.030	.021	.146	
Total psychiatric hospitalizations	-.128	.040	<b>.002</b>	
Num. psychiatric hospitalizations (excluding zeros)	-.666	.211	<b>.002</b>	**
% Patients with any medical hospitalizations	.002	.025	.941	
Total medical hospitalizations	-.057	.052	.265	
Num. medical hospitalizations (excluding zeros)	-.314	.180	.081	*
<i>Screenings</i>				
LDL test	.082	.039	<b>.035</b>	**
HbA1c test	.087	.037	<b>.019</b>	**
Glucose Test	.021	.034	.544	
Either HbA1c or Glucose	.055	.031	<b>.075</b>	*
<i>Lab Results</i>				
LDL level	-4.328	3.298	.190	
HbA1c level	.049	.079	.538	
Glucose level	2.930	2.899	.312	
<i>Lab Results – Diabetes Patients Only</i>				
LDL level	7.852	6.195	.205	
HbA1c level	.224	.303	.461	
Glucose level	-7.117	16.712	.670	

*Note.* BHH = Behavioral Health Home Program; PS = propensity score; HbA1c = Hemoglobin A1c; LDL = low density lipoprotein. Estimated using GEE models (Stata xtgee and margins commands; logit link for binary outcomes and log link and gamma family variance for continuous outcome measures). Models were adjusted for propensity score weights using the Stata svy command. Propensity scores included the following covariates: sex; age; race/ethnicity (non-Hispanic

White, non-Hispanic black, Asian, Hispanic); non-native English speaker; Medicare enrollment; Medicaid enrollment; diagnosis of diabetes or bipolar disorder; area-level variables (percent foreign-born, percent living below federal poverty level (FPL), percent with female head of household, percent less than high school graduate), any primary care visits in pre-intervention year.