

APPENDIX

Table 1. Sociodemographic Variables, Type of Health Coverage, Survey Year, Utilization and Functional Indicators by Race/Ethnicity in Adults with Serious Psychological Distress aged 18 to 64 years in the United States, NHIS: 2006-2015.

	Hispanic			Non-Hispanic white			Non-Hispanic black			Other Race/ethnicity			Rao-Scott Chi squared P-value
	Unweighted N		Weighted Percent	Unweighted N		Weighted Percent	Unweighted N		Weighted Percent	Unweighted N		Weighted Percent	
<i>Overall</i>	1,819		16.2%	5,121		66.8%	1,592		14.4%	256		2.4%	<.0001
<i>Characteristic</i>	<i>Unweighted N Weighted Percent Confidence Interval</i>												
<i>Age-Group in years</i>													
18-44	995	58.7 %	55.4%- 62.0%	2,200	46.7%	44.8%- 48.5%	803	56.8%	53.6%- 60.1%	144	54.1%	45.3%- 62.9%	<.0001
45-64	824	41.2%	37.9%- 44.5%	2,921	53.2%	51.4%- 55.1%	789	43.1%	39.8%- 46.3%	112	45.8%	37.0%- 54.6%	
<i>Education Level</i>													
No high school diploma	755	44.2%	41.0%- 47.4%	975	21.6%	20.2%- 23.1%	443	28.2%	24.6%- 31.9%	47	17.1%	11.3%- 23.0%	<.0001
High school graduate	394	24.7%	22.2%- 27.3%	1,559	34.7%	32.8%- 36.6%	452	33.2%	29.9%- 36.4%	48	22.6%	14.8%- 30.4%	
Some college	366	23.2%	20.3%- 26.2%	1,582	32.5%	30.7%- 34.2%	465	32.0%	28.6%- 35.5%	56	21.7%	15.0%- 28.5%	
College degree and more	113	7.7%	6.1%- 9.2%	562	11.0%	9.8%- 12.1%	81	6.4%	4.7%- 8.0%	79	38.3%	29.5%- 47.1%	
<i>Number of Health Conditions</i>													
0	845	50.0%	47.0%- 53.1%	1,916	40.5%	38.7%- 42.3%	568	41.5%	38.3%- 44.6%	151	57.9%	49.7%- 66.1%	<.0001
1	478	25.1%	22.4%- 27.8%	1,426	27.7%	26.2%- 29.2%	462	26.3%	18.9%- 36.6%	65	27.8%	18.9%- 36.6%	
2 or more	476	24.7%	22.1%- 27.4%	1,619	31.6%	30.0%- 33.2%	546	32.1%	29.1%- 35.1%	37	14.2%	8.1%- 20.1%	
<i>Poverty Index Ratio*</i>													
Less than 100% of the Federal Poverty Line	N/A	39.4%	36.2%- 42.6%	N/A	29.6%	28.0%- 31.2%	N/A	48.3%	44.9%- 51.8%	N/A	26.5%	20.5%- 32.6%	<.0001
100 to 199% of the Federal Poverty Line	N/A	31.3%	28.7%- 34.0%	N/A	27.2%	25.7%- 28.7%	N/A	24.2%	21.5%- 26.8%	N/A	19.6%	13.5%- 25.8%	
200 to 399% of the Federal Poverty Line	N/A	19.6%	17.2%- 21.9%)	N/A	25.9%	24.3%- 27.6%	N/A	19.0%	16.2%- 21.8%	N/A	21.1%	14.9%- 27.3%	
400% or More of the	N/A	9.5%	7.5%-	N/A	17.0%	15.4%-	N/A	8.3%	6.4%-	N/A	32.6%	24.2%-	

Federal Poverty Line			11.4%)			18.6%			10.3%			41.0%	
<i>Healthcare Type</i>													
No coverage	625	40.7%	37.5%-44.0%	1,236	29.0%	27.2%-30.7%	445	34.3%	30.9%-37.8%	68	35.0%	25.8%-44.3%	<.0001
Medicaid	570	31.6%	28.4%-34.8%	1,375	28.1%	26.0%-30.1%	571	37.4%	34.0%-40.8%	53	18.9%	12.1%-25.6%	
Private Insurance	379	27.2%	24.3%-30.1%	1,671	42.2%	40.1%-44.3%	232	26.8%	23.7%-29.9%	104	45.7%	35.6%-55.9%	
Medicaid and Private Insurance	10	.37%	24.3%-30.1%	35	.61%	.35%-.87%	14	1.2%	.43%-2.1%	1	23%	0%-.70%	
<i>Region of Residence to interview</i>													
North East	337	17.7%	14.5%-20.9%	787	14.9%	13.4%-16.3%	206	13.8%	11.5%-16.1%	44	18.8%	12.7%-24.9%	<.0001
Midwest	145	8.9%	6.6%-11.3%	1,324	28.1%	25.8%-30.3%	299	20.2%	17.2%-23.1%	37	15.5%	10.0%-21.1%	
South	615	33.8%	30.5%-37.1%	1,894	38.2%	35.8%-40.6%	895	55.4%	51.6%-59.1%	57	22.9%	16.4%-29.4%	
West	722	39.4%	35.6%-43.1%	1,116	18.7%	17.2%-20.1%	192	10.5%	8.0%-13.0%	118	42.6%	34.3%-50.9%	
<i>Health Care Utilization Indicators</i>													
Insufficient money for medications	369	18.7%	16.5%-20.8%	1,342	26.0%	24.5%-27.5%	360	23.7%	20.8%-26.6%	39	13.5%	8.9%-18.1%	<.0001
Insufficient money for mental health counseling	369	18.7%	16.5%-20.8%	1,342	26.0%	24.5%-27.5%	360	23.7%	20.8%-26.6%	39	13.5%	8.9%-18.1%	<.0001
Seen or talked to a mental health provider in the last 12 months	574	30.0%	27.2%-32.7%	2,205	41.5%	39.7%-43.4%	573	34.4%	31.5%-37.3%	66	22.6%	15.7%-29.5%	<.0001
Delay in care	558	28.3%	25.5%-31.0%	2,088	37.0%	35.2%-38.9%	542	30.5%	27.5%-33.4%	68	21.5%	15.7%-27.3%	<.0001
Insufficient money for healthcare	547	27.7%	25.0%-30.3%	1,839	32.7%	30.9%-34.4%	574	32.5%	29.5%-35.5%	53	17.6%	11.9%-23.3%	<.0001
Visited a doctor ten times or more in past 12 months	606	30.0%	27.2%-32.7%	2,134	39.2%	37.5%-40.0%	614	34.7%	31.8%-37.6%	61	22.3%	15.3%-29.3%	<.0001
Changed usual place of care	141	8.8%	6.9%-10.6%	642	12.5%	11.3%-13.7%	177	10.3%	8.3%-12.3%	26	10.1%	5.3%-14.9%	<.01
Changed usual place of care due to insurance	67	4.6%	3.1%-6.1%	194	3.7%	3.1%-4.3%	70	4.3%	2.9%-5.6%	13	6.7%	2.3%-11.0%	Not significant

Table 2. Associations between Healthcare Utilization and Rec/ethnicity Adjusting for Number of Chronic Health Conditions and Sociodemographic Characteristics from Multivariate Regression Models Among Adults with Serious Psychological Distress Age 18 to 64 Years of Age: NHIS 2006-2015.

	Insufficient Money for Medications		Delay in Care		Insufficient Money for Healthcare		Visited a doctor More Than Ten Times		Changed Usual Place of Care		Changed Usual Place of Care Due to Insurance		Having Seen a Mental health Provider in the last 12 months		Insufficient Money for Mental Health Care	
<i>Adjusted Odds Ratios (Confidence Intervals)</i>																
Female (Reference: Male)	1.3** *	1.1-1.6	1.2*	1.0-1.4	1.2*	1.0-1.4	1.2*	1.0-1.4	1.2*	1.0-1.5	1.1	.81-1.5	1.1	.97-1.3	1.3***	1.1-1.6
Hispanic (Reference: non-Hispanic black)	.61**	.48-.78	.74*	.58-.94	.67*	.53-.85	.85	.68-1.0	.82	.58-1.1	.99	.55-1.7	.84	.68-1.0	.61***	.48-.78
non-Hispanic white	1.2*	1.0-1.5	1.5***	1.2-1.8	1.1	.95-1.3	1.1	.95-1.3	1.1	.90-1.5	.83	.54-1.2	1.3*	1.1-1.6	1.2*	1.0-1.5
Other Race/Ethnicities	.46*	.27-.78	.59*	.38-.93	.45*	.27-.73	.62	.36-1.0	.95	.51-1.5	1.7	.75-3.9	.59*	.36-.96	.46*	.27-.78
1 Health Condition (Reference: 0 conditions)	1.2**	1.0-1.5	1.3**	1.1-1.6	1.4**	1.1-1.6	1.5** *	1.2-1.7	1.1	.87-1.4	1.0	.69-1.4	1.1	.95-1.3	1.2**	.10-1.5
2 or more Health Conditions	1.5** *	1.2-1.8	1.4**	1.1-1.7	1.5*	1.2-1.8	2.7** *	2.3-3.3	1.2	.99-1.6	1.1	.76-1.6	1.1	.95-1.2	1.5***	1.2-1.8
45 to 64 Years (reference: 18-44 years)	.71** *	.60-.84	1.2***	1.1-1.4	1.2*	1.0-1.4	1.4** *	1.2-1.7	.88	.70-1.1	1.0	.78-1.4	.82*	.71-.96	.71***	.60-.84

PIR < 100% (reference: 400% or more of the Federal Poverty Line)	2.2**	1.6-3.0	2.7***	2.0-3.6	3.1***	2.3-4.2	1.0	.78-1.3	.65	.45- .96*	.89	.49-1.6	.87	.66- 1.1	2.2	1.6-3.0***
100%-199%	1.8** *	1.3-2.4	2.3***	1.7-3.1	2.6***	1.9-3.5	.82	.64-1.0	.65*	.45- .96	1.3	.78-2.3	.73*	.56- .95	1.8**	1.3-2.4
200% - 399% of PIR	2.0** *	1.5-2.7	2.0***	1.5-2.6	2.0***	1.5-2.6	1.0	.81-1.3	.74	.52- 1.0	.71	.40-1.2	.79	.61- 1.0	2.0***	1.5-2.7
No Health Coverage	3.1** *	2.5-3.8	3.5***	2.9-4.2	4.3***	3.5-5.1	.42** *	.34-.51	.75	.52- 1.0	1.3	.81-2.1	.59***	.48- .71	3.1***	2.5-3.8
Medicaid (reference: Private Insurance)	.78*	.62-.99	.43***	.35-.54	.54***	.43-.68	1.4**	1.1-1.7	.74*	.55- .98	1.0	.63-1.6	1.7***	1.3- 2.0	.78*	.62-.99
Private Insurance and Medicaid	1.0	.43-2.4	.67	.28-1.5	.76	.31-1.8	1.7	.75-3.9	1.0	.77- 1.3	1.9	.53-7.4	1.9*	1.0- 3.7	1.0	.43-2.4
Midwest(reference: Northeast)	1.2	.93-1.5	1.2	.98-1.7	1.2	.96-1.6	.80	.64-1.0	1.1	.82- 1.6	1.4	.77-2.7	.93	.75- 1.1	1.2	.93-1.5
South	1.0	.80-1.3	1.3*	1.0-1.7	1.2	.93-1.5	.81	.66-1.0	1.0	.80-	1.1	.66-2.0	.65***	.53-	1.0	.0-1.3

										1.4				.78		
West	1.5**	1.1-2.0	1.4**	1.1-1.9	1.3*	1.0-1.7	.88	.70-1.1	1.1	.81-1.5	1.2	.67-2.2	.84	.69-1.0	1.5	1.1-2.0
Survey Year (reference: 2006)	.97	.95-1.0	.98	.96-1.0	.97	.95-1.0	.96*	.94-99	1.0	.98-1.0	1.0	.97-1.0	.98	.96-1.0	.97	.95-1.0

<sup>a</sup> The reference level for utilization and functional indicators was their absence.

<sup>b</sup> Independent variables included Gender, Race/Ethnicity, Gender, Number of Chronic Health Conditions, Poverty Index Ratio, Region of residence at the time of interview and Survey Year.

\*P≤.05

\*\*P <.001

\*\*\*P <.0001