Supplemental Table 1. Intent-to-treat anxiety and depression (Universe = U.S. adults who reported past 12-months use of mental health treatment and screened negative for unremitted anxiety (GAD-7) and depression (PHQ-8). n=(4704)

	No Chronic Pain	Chronic Pain	All
Medication only	49.9%	61.9%	53.3%
% intent-to-treat A/D	84.4%	91.8%	86.8%
Therapy only	23.6%	13.0%	20.6%
% ever told by a health professional they have A/D	27.8%	39.2%	29.8%
Both Medication and Therapy	26.5%	25.1%	26.1%
% intent-to-treat A/D	85.8%	87.2%	85.9%
All mental health treatment approaches	100%	100%	100%
% evidence suggests intent-to-treat A/D	71.4%	83.8%	74.8%

No Chronic Pain (.499*.844) + (.236 * .278) + (.265*.858) = 42.1% + 6.6% + 22.7% = at least **71.4%** of mental treatment used by those without chronic pain who screened negative for unremitted anxiety and depression was likely intended for the treatment of anxiety or depression.

Chronic Pain (.619*.918) + (.130 * .392) + (.251*.872) = 56.8% + 5.1% + 21.9% = at least **83.8%** of mental health treatment used by those living with chronic pain who screened negative for unremitted anxiety and depression was likely intended for the treatment of anxiety or depression.

All (.533*.868) + (.206 *.298) + (.261 *.859) = .463 +.061+ .224 = at least **74.8%** of mental health treatment used by U.S. adults who screened negative for unremitted anxiety and depression was likely intended for the treatment of anxiety or depression.

Supplemental Table 2. Multiple logistic regression results for the association between past 12-months use of mental health treatment and subject characteristics *(restricted to U.S. adults with a mental health need).* Adjusted model: Area under the ROC curve=0.6794, n=7438

Predictor (n)	Unadjusted				Adjusted		
	OR	CI 95%	p-value		OR	CI 95%	p-value
Health Insurance Status (7467)							
Uninsured	0.262***	0.209, 0.329	<0.001		0.292***	0.230, 0.370	<0.001
Sex (7474)							
Male	0.644***	0.544, 0.764	<.001		0.643***	0.540, 0.765	<0.001
Age (7469) **(ref = 35-44)**							
18-24	0.612***	0.454, 0.825	0.001		0.562***	0.410, 0.771	<0.001
25-34	0.781	0.600, 1.017	0.066		0.791	0.599, 1.046	0.100
45-54	1.126	0.845, 1.500	0.417		1.130	0.831, 1.535	0.436
55-64	1.267	0.966, 1.663	0.087		1.351***	1.005, 1.816	0.046
65-74	1.442***	1.107, 1.879	0.007		1.248	0.928, 1.680	0.142
75-84	1.005	0.684, 1.477	0.978		0.919	0.628, 1.346	0.665
85+	0.756	0.472, 1.212	0.244		0.747	. 0.435, 1.281	0.288
Race/Ethnicity (7476) **(ref = Non-Hispanic White)**							
Hispanic	0.583***	0.449, 0.756	<0.001		0.690***	0.525, 0.908	0.008
Black or African American	0.431***	0.339, 0.550	<0.001		0.445 ***	0.346, 0.573	<0.001
Asian	0.453***	0.275, 0.744	0.002		0.383***	0.231, 0.633	<0.001
AIAN (only)	0.512***	0.250, 1.047	0.067		0.438 **	0.205, 0.937	0.033
AIAN and other single and multiple races	1.261	0.616, 2.585	0.525		1.523	0.725, 3.200	0.266
Other single and multiple races	0.604	0.269, 1.358	0.222		0.867	0.417, 1.800	0.701
Cancer (7469)							
Has ever been diagnosed with cancer	1.388***	1.091, 1.765	0.008		1.109	0.863, 1.425	0.419
Activities of daily living (7476)							
Is limited in daily functioning	0.730***	0.608, 0.877	0.001		0.796***	0.647, 0.979	0.031
Chronic Pain (7463)							
Experiences pain most days or every day	0.684***	0.578, 0.809	<0.001		0.597 ***	0.489, 0.729	<0.001
***Statistically significant using an alpha-level 0.05 Rao-Scott likelihood ratio chi-square (Satterthwaite) test Data source: National Health Interview Survey Adults, 2019							

Supplemental Table 3. Multiple logistic regression results for the association between presence of unremitted anxiety or depression symptoms of day of survey and subject characteristics *(restricted to U.S. adults who reported past 12-months use of mental health treatment)*. Adjusted model: Area under the ROC curve=0.7452, n=6402

Predictor (n)	Unadjusted				Adjusted		
	OR	CI 95%	p-value		OR	CI 95%	p-value
Health Insurance Status (6427)							
Uninsured	1.499***	1.136, 1.977	0.004		1.342	0.976, 1.844	0.070
Sex (6432)							
Male	0.946	0.816, 1.097	0.464		0.974	0.833, 1.140	0.744
Age (6426) (ref = 35-44)							
18-24	0.839	0.618, 1.139	0.259		1.034	0.736, 1.451	0.849
25-34	0.973	0.770, 1.230	0.818		1.207	0.930, 1.566	0.156
45-54	1.340***	1.086, 1.653	0.006		1.064	0.838, 1.352	0.610
55-64	1.070	0.853, 1.342	0.559		0.682***	0.530, 0.878	0.003
65-74	0.778***	0.616, 0.982	0.035		0.504***	0.385, 0.659	<0.001
75-84	0.656***	0.484, 0.889	0.007		0.299***	0.210, 0.427	<0.001
85+	1.465	0.890, 2.409	0.132		0.448***	0.268, 0.748	0.002
Race/Ethnicity (6433) (ref = Non-Hispanic White)							
Hispanic	1.711***	1.364, 2.148	<0.001		1.766***	1.365, 2.283	<0.001
Black or African American	1.266***	1.000, 1.602	0.050		0.926	0.700, 1.223	0.586
Asian	0.886	0.546, 1.438	0.623		1.233	0.748, 2.033	0.411
AIAN (only)	1.467	0.738, 2.918	0.274		1.379	0.633, 3.003	0.418
AIAN and other single and multiple races	2.327	1.312, 4.127	0.004		1.777	0.994, 3.174	0.052
Other single and multiple races	2.169	1.147, 4.101	0.017		1.896	0.943, 3.813	0.073
Cancer (6428)							
Has ever been diagnosed with cancer	1.154	0.947, 1.405	0.155		1.161	0.938, 1.438	0.169
Activities of everyday living (6433)							
Is limited in daily functioning	5.053***	4.285, 5.960	<0.001		4.588***	3.841, 5.481	<0.001
Chronic Pain (6421)							
Experiences pain most days or every day	3.961***	3.452, 4.546	<0.001		3.696***	3.161, 4.323	<0.001
***Statistically significant using an alpha-level 0.05 Rao-Scott likelihood ratio chi-square (Satterthwaite) test Data source: National Health Interview Survey Adults, 2019							