Supplementary Materials

Feasibility and Efficacy of Online Neuropsychological Assessment

Table S1: Between-group comparisons for Experiment 1 on the MoCA. Mean ± SD.

	Control	PD	CA		T score	T score df	P value	P Adj.	Effect Size
				Control vs. PD	-2.01	110	0.047	0.141	-0.37
				Control vs. CA	-3.73	97	<0.001	<0.001	-0.73
MoCA	27.8 ± 1.9	27.0 ± 2.6	26.0 ± 4.4	CA vs. PD	1.97	131	0.051	0.155	0.34

Table S2. Comparison between scores for our Experiment 2 cohorts and literature values.

	Cohort Mean	Literature Mean	Statistical test (Z/t)	df	P-value	Effect Size
Anxiety						
Control	52.0	48.5	0.36	15	0.719	0.36
PD	54.4	50.6	1.40	14	0.183	0.39
Depression						
Control	49.6	49.3	0.03	15	0.976	0.04
PD	53.0	48.0	1.71	14	0.109	0.51
ISEL-12						
Control	37.1	39.8	-0.40	15	0.689	0.39
PD	37.5	35.3	0.38	14	0.704	1.24
Neuroticism						
Control	60.6	61.7	-0.32	15	0.755	-0.07
Extraversion						
Control	80.4	78.9	0.69	15	0.498	0.13
Openness						
Control	90.3	83.11	3.20	15	0.006	0.72
Agreeableness						

Control	94.9	93.32	0.593	15	0.562	0.14			
Conscientiousness									
Control	93.4	93.81	-0.123	15	0.903	-0.03			

Table S3. Between-group comparisons for the online measures obtained in Experiment 2. Mean ± SD (range). P Adj. indicates correction for multiple comparisons.

	Control	PD	CA	Comparison	T score	df	P-value	P Adj.	Effect Size
PROMIS Anxiety	52.0 ± 9.2 (36-68)	54.4 ± 10.1 (36-73)	54.0 ± 8.9 (36-73)	Control vs. PD	0.68	29	0.499	1	0.24
				Control vs. CA	0.65	32	0.522	1	0.22
				CA vs. PD	-0.12	31	0.907	1	0.04
PROMIS Depression	49.6 ± 8.0 (37-66)	53.1 ± 10.8 (37-68)	54.0 ± 9.3 (37-69)	Control vs. PD	0.97	29	0.343	1	0.25
				Control vs. CA	1.48	32	0.149	0.792	0.51
				CA vs. PD	-0.11	31	0.913	1	0.04
ISEL-12	37.1 ± 6.8 (25-46)	37.5 ± 7.6 (27-48)	37.1 ± 6.8 (24-48)	Control vs. PD	0.14	29	0.893	1	0.05
				Control vs. CA	-0.00	32	0.995	1	-0.00
				CA vs. PD	-0.14	31	0.887	1	0.05
Neuroticism	60.6 ± 14 (44-86)	65.0 ± 17.4 (38-96)	67.1 ± 14.0 (44-103)	Control vs. PD	0.79	29	0.438	1	0.28
				Control vs. CA	1.34	32	0.190	0.630	0.46
				CA vs. PD	0.377	31	0.709	1	-0.13
Extraversion	80.4 ± 8.8 (55-89)	70.5 ± 15.2 (44-92)	68.0 ± 14.8 (39-90)	Control vs. PD	-2.29	29	0.032	0.080	-0.83
				Control vs. CA	-3.02	32	0.005	0.023	-1.02
				CA vs. PD	-0.48	31	0.636	1	0.17
Openness	90.3 ± 10.4 (73-108)	83.9 ± 10.4 (66-103)	80.78 ± 13.6 (47-110)	Control vs. PD	-2.05	29	0.049	0.222	-0.74
				Control vs. CA	-2.57	32	0.015	0.038	-0.88
				CA vs. PD	-0.76	31	0.435	0.984	0.26

				Comparison	t	df	p		effect
				Control vs. PD	-0.02	29	0.985	1	-0.00
				Control vs. CA	1.66	32	0.107	0.837	0.58
Agreeableness	94.9 ± 10.4 (74-107)	94.8 ± 11.2 (81-110)	100.3 ± 8.1 (84-114)	CA vs. PD	1.60	31	0.121	0.840	-0.57
				Control vs. PD	-0.59	29	0.558	1	-0.21
				Control vs. CA	0.198	32	0.844	1	0.07
Conscientiousness	93.4 ± 12.0 (70-114)	90.3 ± 17.2 (55-113)	94.2 ± 8.9 (74-106)	CA vs. PD	0.804	31	0.431	0.738	-0.29

Table S4. Demographic comparison for Experiment 1.				
	Age	Education		%Women
PD vs. Control				
diff of means	17.06	1.019	**chi-squared**	1.238
SE	2.04	0.424	**p value**	0.266
t	8.34	2.406	**chi-squared Yates**	0.836
p-value	7.53E-12	0.018	**p-value Yates**	0.361
CD vs. Control				
diff of means	9.37	0.302	**chi-squared**	0.0103
SE	2.507	0.459	**p value**	0.919
t	3.74	0.658	**chi-squared Yates**	0.012
p-value	<0.001	0.512	**p-value Yates**	0.914

Table S5. Demographic comparison for Experiment 2.

	Age	Education		%Women
PD vs. Control				
diff of means	11.63	0.469	**chi-squared**	4.500
SE	3.476	0.696	**p value**	0.034
t	3.34	0.67	**chi-squared Yates**	3.125
p-value	0.002	0.506	**p-value Yates**	0.077
CD vs. Control				
diff of means	-2.417	-0.299	**chi-squared**	1.001
SE	3.525	0.784	**p value**	0.317
t	-0.69	-0.38	**chi-squared Yates**	0.355
p-value	0.498	0.707	**p-value Yates**	0.551