

**Supplementary Table 1:** Prevalence of Parkinson's disease signs and symptoms among different races.

	<b>Black or African American (n=35)</b>	<b>Asian (n=58)</b>	<b>South Asian (n=43)</b>	<b>Middle east (n=35)</b>	<b>Hispanic or Latino (n=22)</b>	<b>American Indian/Alaskan Native/Native Hawaiian/Pacific Islander (n=27)</b>	<b>All patients (n=220)</b>
<b>Typical signs and symptoms</b>							
Resting tremor	26 (74.3)	38 (65.5)	28 (65.1)	26 (74.3)	18 (81.8)	21 (77.8)	157 (71.4)
Rigidity	31 (88.6)	49 (84.5)	39 (90.7)	29 (82.9)	20 (90.9)	23 (85.2)	191 (86.8)
Bradykinesia	33 (94.3)	56 (96.6)	39 (90.7)	32 (91.4)	19 (86.4)	23 (85.2)	202 (91.8)
Gait impairment	33 (94.3)	57 (98.3)	40 (93.0)	34 (97.1)	22 (100.0)	25 (92.6)	211 (95.9)
Sialorrhea	9 (25.7)	7 (12.1)	7 (16.3)	6 (17.1)	4 (18.2)	3 (11.1)	36 (16.4)
Micrographia*	22 (73.3)	21 (38.9)	23 (56.1)	14 (42.4)	11 (52.4)	17 (70.8)	108 (53.2)
Masked faces	30 (85.7)	42 (72.4)	33 (76.7)	25 (71.4)	15 (68.2)	21 (77.8)	166 (75.5)
Anosmia*	4 (11.4)	7 (12.3)	4 (9.3)	1 (3.0)	2 (9.5)	6 (33.3)	24 (11.6)
Levodopa induced Dyskinesia*	3 (8.6)	5 (8.6)	11 (25.6)	6 (17.1)	4 (18.2)	9 (33.3)	38 (17.3)

Atypical signs and symptoms							
Falls*	9 (25.7)	14 (24.1)	8 (18.6)	5 (14.3)	4 (18.2)	10 (37.1)	50 (22.7)
Postural tremor	10 (28.6)	13 (22.4)	9 (20.9)	6 (17.1)	4 (18.2)	9 (33.3)	51 (23.2)
Dysarthria	22 (62.9)	33 (56.9)	26 (60.5)	21 (60.0)	8 (36.4)	12 (44.4)	122 (55.5)
Dysphagia	5 (14.3)	4 (6.9)	8 (18.6)	1 (2.9)	2 (9.1)	2 (7.4)	22 (10.0)
Dystonia*	5 (14.3)	4 (6.9)	6 (13.9)	2 (5.7)	5 (22.7)	7 (25.9)	29 (13.2)
Dementia	6 (17.1)	8 (13.8)	4 (9.3)	4 (11.4)	2 (9.1)	9 (33.3)	33 (15.0)
Mood fluctuations	5 (14.3)	13 (22.4)	7 (16.3)	5 (14.3)	4 (18.2)	7 (25.9)	41 (18.6)
REM sleep disorder	8 (22.9)	4 (6.9)	8 (18.6)	5 (14.3)	3 (13.6)	7 (25.9)	35 (15.9)
Orthostatic hypotension	8 (22.9)	12 (20.7)	6 (13.9)	5 (14.3)	1 (4.6)	9 (33.3)	41 (18.6)
Erectile dysfunction	0 (0.0)	5 (8.6)	5 (11.6)	2 (5.7)	1 (4.6)	1 (3.7)	14 (6.4)

All symptoms with asteric (\*) have a statistically significant p-value



Hallucinations	5 (14.3)	0 (0.0)	0 (0.0)	1 (14.3)	2 (13.3)	0 (0.0)	8 (8.9)
Prosopagnosia	5 (14.3)	1 (5.0)	0 (0.0)	1 (14.3)	1 (6.7)	0 (0.0)	8 (8.9)
Delusions	3 (8.6)	3 (15.0)	1 (11.1)	1 (14.3)	2 (13.3)	0 (0.0)	10 (11.1)
Parkinsonism	2 (5.7)	5 (25.0)	1 (11.1)	2 (28.6)	1 (6.7)	0 (0.0)	11 (12.2)
Gait instability	5 (14.3)	2 (10.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	7 (7.8)
Sleep disturbances	9 (25.7)	6 (30.0)	3 (33.3)	3 (42.9)	3 (20.0)	3 (75.0)	27 (30.0)
REM sleep disorder	1 (2.9)	1 (5.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.2)
Seizures	2 (5.7)	1 (5.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (3.3)
Mood fluctuations	3 (8.6)	4 (20.0)	1 (11.1)	1 (14.3)	3 (20.0)	2 (50.0)	14 (15.6)

All symptoms with asteric (\*) have a statistically significant p-value

**Supplementary Table 3:** Prevalence of amyotrophic lateral sclerosis signs and symptoms among different races.

	<b>Black or African American (n=65)</b>	<b>Asian (n=23)</b>	<b>South Asian (n=17)</b>	<b>Middle east (n=18)</b>	<b>Hispanic or Latino (n=22)</b>	<b>American Indian/Alaskan Native/Native Hawaiian/Pacific Islander (n=17)</b>	<b>All patients (n=162)</b>
<b>Spinal cord related</b>							
Muscle atrophy*	61 (93.9)	18 (78.3)	17 (100.0)	18 (100.0)	17 (77.3)	13 (76.5)	144 (88.9)
Limb weakness	64 (98.5)	21 (91.3)	17 (100.0)	18 (100.0)	22 (100.0)	16 (94.1)	158 (97.5)
Cramping	36 (55.4)	11 (47.8)	10 (58.8)	7 (38.9)	9 (40.9)	9 (52.9)	82 (50.6)
Limb fasciculation*	57 (87.7)	15 (65.2)	17 (100.0)	18 (100.0)	21 (95.5)	12 (70.6)	140 (86.4)
Babinski	11 (16.9)	4 (17.4)	4 (23.5)	7 (38.9)	4 (18.2)	5 (29.4)	35 (21.6)
Ankle clonus	11 (16.9)	4 (17.4)	1 (5.9)	5 (27.8)	3 (13.6)	0 (0.0)	24 (14.8)
Gait abnormalities	41 (63.1)	13 (56.5)	11 (64.7)	14 (77.8)	14 (63.6)	15 (88.2)	108 (66.7)
Inability to walk*	22 (33.9)	6 (26.1)	1 (5.9)	10 (55.6)	3 (13.6)	7 (41.2)	49 (30.2)
Spasticity	23 (35.4)	8 (34.8)	9 (52.9)	6 (33.3)	9 (40.9)	5 (29.4)	60 (37.1)
Hyper-reflexia	48 (73.9)	16 (69.6)	16 (94.1)	15 (83.3)	18 (81.2)	14 (82.4)	127 (78.4)

<b>Bulbar/other</b>							
Tongue atrophy	14 (21.5)	5 (21.7)	4 (23.5)	8 (44.4)	8 (36.4)	1 (5.9)	40 (24.7)
Tongue fasciculation*	25 (38.5)	8 (34.8)	7 (41.2)	13 (72.2)	12 (54.6)	4 (23.5)	69 (42.6)
Facial weakness	15 (23.1)	6 (26.1)	5 (29.4)	7 (38.9)	7 (31.8)	7 (41.2)	47 (29.0)
Choking episodes*	8 (12.3)	7 (30.4)	2 (11.8)	4 (22.2)	9 (40.9)	6 (35.3)	36 (22.2)
Dysphagia*	16 (24.6)	10 (43.5)	2 (11.8)	7 (38.9)	12 (54.6)	8 (47.1)	55 (33.9)
Sialorrhea	10 (15.4)	7 (30.4)	3 (17.7)	5 (27.8)	5 (22.7)	5 (29.4)	35 (21.6)
Dysarthria	27 (41.5)	15 (65.2)	7 (41.2)	11 (61.1)	13 (59.1)	11 (64.7)	84 (51.9)
Breathing difficulties	20 (30.8)	6 (26.1)	4 (23.5)	5 (27.8)	4 (18.2)	6 (35.3)	45 (27.8)
Cognitive impairment	3 (4.6)	3 (13.1)	1 (5.9)	0 (0.0)	2 (9.1)	3 (17.7)	12 (7.4)
Associated sensory symptoms	15 (23.1)	4 (17.4)	3 (17.7)	3 (16.7)	2 (9.1)	4 (23.5)	31 (19.1)

All symptoms with asterisk (\*) have a statistically significant p-value