

Supplemental Table 1. Means and standard deviations of gait characteristics and variabilities by condition and cue rate, averaged across participants for each group. See figures for significance.

Supplemental Table 1.		CONTROL					PD			
GAIT CHARACTERISTICS	Control baseline	TEMPO	90%	100%	110%	PD baseline	TEMPO	90%	100%	110%
Velocity (cm/s)	133.9 (15.0)	music	120.9 (15.2)	136.1 (13.3)	144.6 (18.0)	123.6 (15.1)	music	109.7 (18.3)	124.1 (16.2)	134.5 (19.5)
		sing	121.6 (16.5)	135.3 (14.5)	145.3 (18.2)		sing	109.0 (18.0)	124.9 (20.4)	135.2 (23.4)
		mental	122.4 (17.9)	133.8 (16.8)	144.9 (18.7)		mental	110.6 (18.4)	124.1 (16.6)	132.5 (20.4)
Cadence (steps/min)	112.1 (6.0)	music	104.3 (6.9)	113.3 (6.7)	120.2 (7.4)	110.9 (7.8)	music	101.9 (8.9)	111.1 (7.7)	120.4 (8.5)
		sing	106.0 (6.8)	114.4 (7.6)	120.0 (8.2)		sing	103.8 (9.8)	112.7 (8.6)	118.6 (9.1)
		mental	106.1 (7.4)	112.6 (7.7)	118.4 (8.0)		mental	103.3 (9.3)	110.9 (7.6)	115.5 (8.9)
Stride length (cm)	143.5 (15.3)	music	139.0 (13.3)	144.3 (12.1)	144.3 (15.3)	134.1 (15.6)	music	129.0 (16.3)	134.2 (15.7)	134.2 (17.0)
		sing	137.4 (14.0)	142.1 (13.2)	145.3 (14.6)		sing	126.1 (15.8)	133.0 (17.2)	136.6 (18.7)
		mental	138.0 (14.7)	142.7 (13.9)	146.6 (14.3)		mental	128.4 (15.9)	134.5 (16.1)	137.5 (16.6)
GAIT VARIABILITIES	-	TEMPO	90%	100%	110%		TEMPO	90%	100%	110%
Stride length SD	3.1 (0.9)	music	4.4 (1.7)	3.9 (1.7)	3.3 (1.2)	3.6 (1.7)	music	4.5 (1.6)	5.3 (3.1)	4.3 (1.8)
		sing	3.5 (1.5)	3.3 (1.3)	3.3 (1.3)		sing	3.7 (1.6)	3.3 (1.2)	3.7 (1.2)
		mental	2.9 (1.1)	3.5 (2.0)	3.4 (1.3)		mental	3.4 (1.2)	3.4 (1.7)	3.1 (1.4)
Stride time SD	0.02 (0.01)	music	0.03 (0.02)	0.02 (0.01)	0.02 (0.008)	0.02 (0.01)	music	0.03 (0.01)	0.03 (0.01)	0.02 (0.01)
		sing	0.02 (0.01)	0.02 (0.01)	0.02 (0.001)		sing	0.03 (0.01)	0.02 (0.01)	0.02 (0.01)
		mental	0.02 (0.01)	0.02 (0.01)	0.02 (0.005)		mental	0.03 (0.01)	0.02 (0.01)	0.02 (0.01)
Single support time SD	0.01 (0.004)	music	0.02 (0.01)	0.02 (0.007)	0.01 (0.004)	0.01 (0.004)	music	0.02 (0.01)	0.02 (0.007)	0.01 (0.01)
		sing	0.01 (0.004)	0.01 (0.003)	0.01 (0.005)		sing	0.02 (0.01)	0.01 (0.005)	0.01 (0.004)
		mental	0.01 (0.005)	0.01 (0.004)	0.01 (0.003)		mental	0.02 (0.01)	0.01 (0.004)	0.01 (0.004)
Gait Asymmetry	1.81 (1.7)	music	1.74 (1.1)	1.81 (1.3)	1.67 (1.3)	3.87 (2.8)	music	3.45 (2.2)	2.85 (2.1)	3.53 (2.2)
		sing	1.87 (1.6)	1.56 (1.2)	1.24 (1.0)		sing	3.73 (2.2)	3.12 (2.3)	3.22 (2.8)
		mental	1.59 (1.3)	1.58 (1.4)	1.62 (0.9)		mental	3.57 (2.5)	3.13 (2.4)	3.04 (2.5)