

Supplemental Table 1: Identification Step -- Performance Scale and 12-MSWS Benchmark Groups

MSWS12 Performance range	0-24.99	25-49.99	50-74.99	75-100
Subject number	54	32	33	40
Mobility, % subjects				
Normal	77.9	12.5	0	0
Minimal Gait Disability	16.7	28.1	0	0
Mild Gait Disability	1.9	37.5	36.4	5
Occasional Use of Cane	0	18.8	51.5	30
Frequent Use of Cane	3.7	0	6.1	27.5
Severe Gait Disability	0	3.1	3	32.5
Total Gait Disability	0	0	3	5
Hand Function, % subjects				
Normal	61.1	28.1	24.2	7.5
Minimal Hand Disability	35.2	50	36.4	27.5
Mild Hand Disability	3.7	18.8	24.2	30
Moderate Hand Disability	0	3.1	12.1	15
Severe Hand Disability	0	0	3	12.5
Total Hand Disability	0	0	0	7.5
Vision, % subjects				
Normal	57.4	43.8	39.4	30
Minimal Visual Disability	27.8	34.4	15.2	25
Mild Visual Disability	14.8	12.5	33.3	20
Moderate Visual Disability	0	6.3	9.1	20
Severe Visual Disability	0	3.1	3	5
Fatigue, % subjects				
Normal	27.8	3.1	3	0
Minimal Fatigue Disability	27.8	12.5	3	7.5
Mild Fatigue Disability	29.6	21.9	21.2	17.5
Moderate Fatigue Disability	11.1	43.8	24.2	32.5
Severe Fatigue Disability	1.9	18.8	39.4	32.5
Total Fatigue Disability	1.9	0	9.1	10
Cognitive, % subjects				
Normal	35.2	21.9	15.2	10
Minimal Cognitive Disability	44.4	28.1	9.1	27.5
Mild Cognitive Disability	16.7	28.1	27.3	17.5
Moderate Cognitive Disability	1.9	15.6	30.3	30
Severe Cognitive Disability	1.9	6.3	18.2	12.5
Total Cognitive Disability	0	0	0	2.5
Bladder/Bowel, % subjects				
Normal	55.6	25	15.2	0
Minimal Bladder/Bowel Disability	31.5	25	30.3	30
Mild Bladder/Bowel Disability	7.4	31.3	27.3	25
Moderate Bladder/Bowel Disability	3.7	6.3	24.2	22.5
Severe Bladder/Bowel Disability	1.9	12.5	3	17.5
Total Bladder/Bowel Disability	0	0	0	5