

ID	Group	Variability of Spatiotemporal Parameters												Means of Spatiotemporal Parameters								Gait Speed Before and After the Transition Phases			
		Slow to Fast Speed Condition				Fast to Slow Speed Condition				Slow to Fast Speed Condition				Fast to Slow Speed Condition				Slow to Fast Speed Condition		Fast to Slow Speed Condition					
		Step length	Step width	Step time	Swing time	Step length	Step width	Step time	Swing time	Step length (cm)	Step time (s)	Swing time (s)	Step length (cm)	Step width (cm)	Step time (s)	Swing time (s)	Initial Slow Pace (m/s)	Reaching Fast Speed (m/s)	Initial Fast Pace (m/s)	Reaching Slow Speed (m/s)					
Control01	1	8.592	47.393	15.031	15.595	12.595	35.721	12.074	10.357	68.225	4.787	0.491	0.383	64.488	4.323	0.473	0.373	0.847	1.782	1.862	1.039				
Control02	1	10.444	28.947	12.494	20.372	10.987	22.944	4.831	12.340	54.960	7.286	0.460	0.378	58.080	7.583	0.426	0.446	0.825	1.685	1.752	1.039				
Control03	1	14.503	29.640	19.406	13.226	11.476	35.170	17.888	10.143	77.692	11.635	0.501	0.410	79.626	11.241	0.482	0.404	0.783	2.354	2.344	1.063				
Control04	1	9.063	22.381	14.607	18.046	15.767	45.004	10.477	11.925	66.619	10.383	0.459	0.410	68.387	12.232	0.474	0.431	1.087	1.956	1.968	1.004				
Control05	1	10.369	22.111	10.803	17.229	8.442	31.225	10.651	7.163	62.178	8.813	0.594	0.450	62.869	8.711	0.459	0.438	0.807	1.631	1.717	0.980				
Control06	1	11.705	31.209	13.997	14.968	12.426	40.206	12.513	11.766	55.144	6.707	0.567	0.447	59.219	8.413	0.345	0.470	0.668	1.467	1.663	0.710				
Control07	1	10.974	47.431	10.566	10.458	10.460	54.057	8.809	15.114	54.864	3.391	0.449	0.488	53.253	4.178	0.542	0.588	0.667	1.372	1.409	0.753				
Control08	1	10.041	48.770	10.473	9.617	10.828	48.575	13.660	9.639	56.422	5.761	0.529	0.472	55.409	5.948	0.541	0.404	0.548	1.420	1.370	0.720				
Control09	1	10.205	41.982	16.988	22.978	7.283	32.794	12.407	12.200	68.641	7.104	0.531	0.464	66.452	7.285	0.533	0.479	0.915	1.573	1.642	0.876				
Control10	1	8.723	27.788	10.290	9.739	8.390	35.721	8.753	10.225	73.432	6.177	0.563	0.512	68.897	6.378	0.581	0.539	0.880	1.710	1.726	0.767				
Control11	1	7.052	23.290	13.453	9.115	6.579	20.859	7.024	7.430	65.088	11.652	0.586	0.422	59.347	14.012	0.506	0.442	0.844	1.703	1.631	0.854				
Control12	1	15.509	21.293	17.838	11.762	13.953	28.652	9.482	9.098	56.353	10.956	0.548	0.454	52.295	11.072	0.520	0.454	0.680	1.295	1.319	0.684				
Control13	1	17.092	52.983	18.735	12.510	15.272	46.559	10.928	10.647	60.940	6.872	0.486	0.481	60.912	6.688	0.464	0.461	0.793	1.737	1.819	0.901				
Control14	1	7.137	41.835	15.347	15.783	16.478	36.432	7.837	9.372	58.586	5.470	0.472	0.407	55.035	6.486	0.576	0.417	0.915	1.689	1.634	0.871				
Control15	1	13.349	28.599	13.605	18.723	12.611	23.461	10.443	17.445	66.074	10.072	0.519	0.557	59.650	11.406	0.538	0.483	0.674	1.763	1.701	0.729				
Control16	1	4.250	32.535	8.981	7.724	6.250	35.721	5.470	5.014	46.216	4.232	0.492	0.459	44.947	4.837	0.482	0.438	0.743	1.205	1.247	0.750				
Control17	1	7.522	37.771	12.029	10.541	10.577	26.429	10.820	9.984	63.692	6.963	0.520	0.481	60.222	6.192	0.524	0.489	0.919	1.638	1.622	0.802				
Control18	1	10.166	57.219	13.571	8.743	10.041	20.102	17.689	12.218	64.537	4.299	0.538	0.484	63.081	5.280	0.539	0.491	0.686	1.656	1.731	0.724				
Control19	1	10.837	33.302	9.147	7.569	15.196	43.730	7.994	7.529	69.527	5.571	0.496	0.438	64.767	7.249	0.469	0.425	1.031	1.881	1.913	0.951				
Control20	1	8.540	32.449	11.366	7.574	9.281	29.191	8.664	5.214	69.314	7.398	0.566	0.481	64.003	7.684	0.551	0.492	0.849	1.704	1.686	0.828				
Control21	1	9.144	20.577	16.586	20.375	13.100	10.200	12.749	12.340	61.422	7.741	0.511	0.462	59.654	10.531	0.502	0.483	0.941	1.517	1.703	0.875				
Control22	1	11.788	20.755	10.057	6.837	14.634	14.853	12.340	57.636	12.265	0.519	0.465	60.768	10.832	0.467	0.479	0.479	1.487	1.608	0.831					
Control23	1	10.096	32.656	13.346	17.521	7.100	28.522	8.120	11.793	67.462	8.555	0.524	0.488	68.712	11.041	0.492	0.476	0.845	1.890	1.786	1.056				
Control24	1	14.390	34.962	13.964	17.892	15.717	46.970	13.221	12.340	65.081	5.923	0.518	0.511	60.999	6.328	0.544	0.483	0.927	1.863	1.919	0.735				
Control25	1	14.892	27.005	13.954	12.151	10.265	37.546	8.284	7.183	68.103	8.130	0.478	0.407	73.610	7.974	0.447	0.395	1.120	1.939	1.989	1.139				
Means	1	10.65	34.10	13.78	13.53	11.12	33.98	10.71	10.43	63.05	7.51	0.51	0.46	61.77	7.96	0.50	0.46	0.827	1.671	1.701	0.868				
SD	1	3.02	10.38	3.07	4.52	3.15	10.78	3.29	2.87	6.91	2.93	0.03	0.04	7.13	2.76	0.04	0.04	0.131	0.238	0.227	0.134				
Max	1	17.19	57.22	20.76	22.98	16.48	54.06	17.89	17.45	77.69	12.26	0.57	0.56	79.63	14.01	0.58	0.54	0.927	2.544	2.544	1.139				
Min	1	4.25	19.20	8.98	7.67	6.25	14.63	4.83	5.01	46.22	3.39	0.46	0.38	44.95	4.18	0.43	0.37	0.606	1.205	1.247	0.684				
MC101	2	12.813	37.589	12.309	11.117	15.262	33.122	11.022	7.744	70.698	6.239	0.541	0.477	66.556	11.134	0.526	0.460	0.934	1.998	1.914	0.962				
MC102	2	7.034	33.987	8.408	8.292	6.395	11.773	14.073	23.983	69.889	10.948	0.506	0.445	65.653	13.062	0.463	0.464	0.892	1.796	1.676	0.969				
MC103	2	9.259	36.589	17.874	18.739	9.323	39.815	14.526	11.805	80.161	1.819	0.526	0.482	75.698	6.535	0.541	0.510	0.824	2.096	2.096	0.896				
MC104	2	4.886	31.859	11.931	10.045	10.859	45.470	8.901	14.280	72.402	5.766	0.458	0.395	69.094	8.071	0.432	0.365	1.323	2.209	2.082	1.120				
MC105	2	4.276	49.598	14.398	17.620	15.807	47.282	7.656	7.315	69.891	4.251	0.529	0.466	64.822	5.646	0.500	0.448	0.852	1.677	1.726	0.908				
MC106	2	5.804	27.134	11.520	11.752	8.679	49.925	5.492	5.603	56.602	5.621	0.445	0.414	56.177	6.012	0.467	0.414	0.940	1.549	1.575	1.018				
MC107	2	14.433	28.673	10.344	7.562	18.744	34.185	7.009	4.925	49.050	9.624	0.460	0.427	48.095	9.015	0.444	0.404	0.814	1.538	1.619	0.740				
MC108	2	11.036	35.316	11.154	9.145	21.952	30.946	9.913	13.810	49.748	7.327	0.489	0.436	50.443	7.064	0.452	0.426	0.680	1.300	1.439	0.743				
MC109	2	11.698	45.215	8.248	13.470	21.201	38.967	10.482	19.908	52.070	4.919	0.468	0.430	52.753	6.401	0.476	0.451	0.872	1.445	1.424	0.783				
MC110	2	21.639	36.234	16.119	13.941	15.045	48.219	10.545	20.789	51.623	7.392	0.506	0.512	41.374	8.876	0.451	0.478	0.756	1.423	1.374	0.564				
MC111	2	17.115	25.220	12.990	14.620	25.055	34.942	13.410	9.632	63.985	9.254	0.478	0.458	52.491	9.318	0.483	0.455	0.665	1.926	1.609	0.678				
MC112	2	9.887	43.521	9.835	7.754	11.351	24.132	7.318	17.071	61.985	9.386	0.506	0.470	57.605	10.278	0.468	0.481	0.811	1.558	1.580	0.878				
MC113	2	10.013	48.974	6.490	27.464	15.396	33.316	5.775	26.338	53.204	7.116	0.503	0.468	55.518	6.326	0.462	0.460	0.907	1.464	1.501	0.788				
MC114	2	5.096	24.627	14.049	8.630	18.380	26.759	11.961	6.790	72.452	7.425	0.587	0.508	52.382	8.572	0.490	0.494	0.593	1.542	1.529	0.542				
MC115	2	7.174	43.754	13.078	17.379	11.922	38.867	6.377	12.779	62.118	4.155	0.515	0.510	58.834	4.204	0.498	0.494	0.895	1.614	1.586	0.820				
MC116	2	8.618	15.867	11.425	11.286	15.122	33.874	4.951	6.745	47.372	9.716	0.551	0.510	48.433	8.303	0.476	0.465	0.614	1.131	1.236	0.338				
MC117	2	8.164	52.553	10.375	9.301	8.608	31.361	6.275	6.480	58.502	5.008	0.527	0.477	55.438	7.323	0.531	0.456	0.791	1.351	1.377	0.763				
MC118	2	9.747	59.746	14.232	10.170	12.074	61.532	14.523	11.276	70.379	6.174	0.508	0.471	70.295	6.145	0.520	0.512	1.084	2.051	2.058	0.887				
MC119	2	10.433	31.881	11.288	8.928	22.491	38.073	8.654	18.532	69.876	5.285	0.437	0.447	66.621	6.243	0.416	0.466	0.692	1.190	1.214	1.164				
MC120	2	13.945	29.016	12.217	18.811	12.562	47.038	18.011	10.056	69.873	5.810	0.611	0.465	67.651	6.786	0.594	0.523	1.615	1.699	1.661	0.800				
MC121	2	9.050	28.848	16.920	19.726	5.681	26.973	10.910	14.432	57.072	9.420	0.456	0.409	60.841	8.508	0.484	0.430	0.744	1.656	1.554	0.988				
MC122	2	8.075	32.147	17.044	19.994	17.879	58.879	7.426	22.108	57.211	6.710	0.555	0.486	56.072	4.961	0.490	0.410	0.791	1.536	1.543	0.613				
MC123	2	13.818	52.952	23.367	28.318	4.875	38.367	14.989	11.546	52.945	4.788	0.518	0.456	63.538	4.402	0.440	0.427	0.679	1.732	1.817	0.984				
MC124	2	7.412	41.246	14.799	6.421	10.168	27.184	7.138	15.473	72.702	6.626	0.495	0.461	68.172	6.986	0.524	0.472	0.981	1.718	1.779					