

Online supplementary file S1: Correlation Matrices of the physical activity indicators and Sociodemographic Indicators

Correlation coefficients between physical activity indicators and sociodemographic characteristics

	HDI	Life expectancy at birth	Mean years of schooling	GNI per capita	Public health expenditure (% of GDP)	Gini index	Gender Inequality Index (GII)	Global Food Security Index	Urban population %	Improved drinking water coverage (%)	Summer Olympic medal count	Population density	Distance to equator
Overall physical activity	-0.3052	-0.3066	-0.2181	-0.3343	0.0804	0.1435	0.2013	-0.2690	-0.2644	-0.3218	-0.3040	-0.0052	-0.1436
Organized sport participation	0.4912	0.3914	0.3996	0.3634	0.6273	-0.4046	-0.5595	0.4804	0.0202	0.4148	0.3824	-0.0449	0.4402
Active play	-0.1181	-0.1022	-0.4048	-0.0632	0.0274	0.1122	0.1091	-0.1359	0.1453	-0.0635	0.0891	0.1566	-0.2267
Active transportation	-0.3153	-0.2332	-0.3575	-0.1845	-0.0153	-0.0894	0.0319	-0.3981	-0.0324	-0.1960	-0.0426	0.1712	-0.2378
Sedentary behaviors	-0.1631	-0.0321	-0.3058	-0.1746	-0.0358	0.0457	0.0764	-0.3131	-0.1292	-0.1956	-0.5682	0.1546	-0.2093
Physical fitness	0.1993	0.1901	0.4459	0.3736	0.6187	-0.6383	-0.6310	0.5378	0.1036	0.5190	0.0791	-0.0435	0.4507
Family and Peers	0.3356	0.2224	0.2262	0.3842	0.5125	-0.5798	-0.5392	0.3756	-0.0425	0.3991	0.3115	0.0287	0.3375
School	0.5324	0.4625	0.5068	0.3751	0.4901	-0.6566	-0.6492	0.5185	0.0284	0.4986	0.3074	0.0787	0.5548
Community and the Built environment	0.7290	0.7432	0.6361	0.8025	0.6659	-0.6248	-0.8278	0.7126	0.5091	0.7750	0.3308	-0.2045	0.5792
Government	0.2148	0.1931	0.2938	0.4821	0.3803	-0.4508	-0.4496	0.3504	0.1894	0.4438	0.0163	-0.1188	0.3109
Behavioral score	-0.1503	-0.0963	-0.1970	-0.2178	0.2967	-0.1189	-0.0889	-0.2530	-0.2089	-0.2255	-0.1054	0.1066	-0.0719
Sources of influence score	0.4105	0.3914	0.4110	0.5134	0.5645	-0.6234	-0.6052	0.4536	0.1432	0.5241	0.2151	-0.0203	0.4812
Overall score	0.2458	0.2670	0.1971	0.2796	0.5996	-0.5221	-0.5119	0.2588	-0.0140	0.2638	0.1412	0.0513	0.3210

Legend

	$0.3 \leq r < 0.5$		$0.7 \leq r < 0.9$		$-0.3 \geq r > -0.5$		$-0.7 \geq r > -0.9$		$-0.3 < r < 0.3$
	$0.5 \leq r < 0.7$		$0.9 \leq r < 1$		$-0.5 \geq r > -0.7$		$-0.9 \geq r > -1$		

Correlation p values between physical activity indicators and sociodemographic characteristics

	HDI	Life expectancy at birth	Mean years of schooling	GNI per capita	Public health expenditure (% of GDP)	Gini index	Gender Inequality Index (GII)	Global Food Security Index	Urban population %	Improved drinking water coverage (%)	Summer Olympic medal count	Population density	Distance to equator
Overall physical activity	0.0370	0.0361	0.1549	0.0248	0.6129	0.3587	0.2012	0.1074	0.0793	0.0377	0.0503	0.9728	0.3356
Organized sport participation	0.0010	0.0104	0.0106	0.0195	0.0000	0.0106	0.0003	0.0047	0.9017	0.0096	0.0178	0.7806	0.0035
Active play	0.6201	0.6682	0.0767	0.7912	0.9115	0.6475	0.6565	0.6030	0.5411	0.7902	0.7167	0.5096	0.3364
Active transportation	0.0309	0.1147	0.0172	0.2249	0.9232	0.5594	0.8409	0.0147	0.8329	0.2135	0.7890	0.2552	0.1075
Sedentary behaviors	0.2788	0.8322	0.0461	0.2569	0.8241	0.7740	0.6351	0.0630	0.4031	0.2203	0.0001	0.3106	0.1628
Physical fitness	0.3738	0.3968	0.0488	0.0952	0.0047	0.0018	0.0038	0.0317	0.6549	0.0273	0.7403	0.8513	0.0353
Family	0.0870	0.2648	0.2666	0.0526	0.0088	0.0024	0.0054	0.0850	0.8332	0.0534	0.1295	0.8872	0.0852
School	0.0003	0.0023	0.0010	0.0171	0.0021	0.0000	0.0000	0.0024	0.8619	0.0017	0.0570	0.6295	0.0002
Community and the built environment	0.0000	0.0000	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	0.0018	0.0000	0.0600	0.2385	0.0002
Government	0.1774	0.2264	0.0734	0.0019	0.0221	0.0051	0.0059	0.0533	0.2482	0.0067	0.9238	0.4652	0.0479
Behavioral score	0.3025	0.5105	0.1894	0.1413	0.0505	0.4365	0.5660	0.1202	0.1587	0.1411	0.4960	0.4709	0.6235
Sources of influence score	0.0034	0.0054	0.0046	0.0002	0.0001	0.0000	0.0000	0.0037	0.3371	0.0003	0.1609	0.8908	0.0005
Overall score	0.0887	0.0637	0.1892	0.0570	0.0000	0.0002	0.0004	0.1116	0.9258	0.0836	0.3604	0.7291	0.0245

Legend

	p > 0.05
	p ≤ 0.05
	p ≤ 0.001

Correlation coefficients within physical activity indicators

	Overall physical activity	Organized sport participation	Active play	Active transportation	Sedentary behaviors	Physical fitness	Family	School	Community and built environment	Government	Behavioral score	Sources of influence score
Organized sport participation	0.0761											
Active play	0.3439	0.0524										
Active transportation	0.2456	0.1820	0.4222									
Sedentary behaviors	0.3934	0.1096	0.0929	0.1542								
Physical fitness	0.1144	0.1310	-0.4907	0.0367	0.0864							
Family and Peers	-0.1339	0.4665	-0.6046	0.1167	0.1435	0.4559						
School	-0.0964	0.4088	-0.4751	-0.0212	-0.0267	0.6572	0.7972					
Community and the Built environment	-0.2448	0.4708	-0.4507	-0.2776	0.0350	0.3364	0.5047	0.6154				
Government	-0.0629	0.2118	-0.2677	0.0039	0.0893	0.4946	0.4972	0.4358	0.6890			
Behavioral score	0.6627	0.5656	0.5169	0.6511	0.5438	0.1251	0.0961	0.1648	-0.0454	0.0684		
Sources of influence score	-0.1006	0.4083	-0.4412	0.0377	0.0442	0.6202	0.8495	0.8357	0.8148	0.8302	0.1232	
Overall score	0.2967	0.6347	0.0605	0.3768	0.3849	0.5806	0.7311	0.7085	0.6299	0.6033	0.6539	0.7915

Legend

	$0.3 \leq r < 0.5$		$0.7 \leq r < 0.9$		$-0.3 \geq r > -0.5$		$-0.7 \geq r > -0.9$		$-0.3 < r < 0.3$
	$0.5 \leq r < 0.7$		$0.9 \leq r < 1$		$-0.5 \geq r > -0.7$		$-0.9 \geq r > -1$		

Correlation p values within physical activity indicators

	Overall physical activity	Organized sport participation	Active play	Active transportation	Sedentary behaviors	Physical fitness	Family	School	Community and built environment	Government	Behavioral score	Sources of influence score
Organized sport participation	0.6364											
Active play	0.1494	0.8363										
Active transportation	0.1038	0.2546	0.0637									
Sedentary behaviors	0.0082	0.5066	0.7053	0.3175								
Physical fitness	0.6215	0.5820	0.2636	0.8710	0.7023							
Family	0.5142	0.0248	0.0170	0.5621	0.4937	0.0877						
School	0.5593	0.0108	0.0463	0.8981	0.8717	0.0012	0.0000					
Community and the built environment	0.1564	0.0065	0.0918	0.1012	0.8468	0.1591	0.0086	0.0002				
Government	0.7035	0.2150	0.3161	0.9813	0.5939	0.0266	0.0158	0.0089	0.0000			
Behavioral score	0.0000	0.0001	0.0196	0.0000	0.0001	0.5792	0.6336	0.3031	0.7925	0.6708		
Sources of influence score	0.5010	0.0073	0.0515	0.8014	0.7706	0.0021	0.0000	0.0000	0.0000	0.0000	0.3991	
Overall score	0.0429	0.0000	0.7999	0.0090	0.0083	0.0046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Legend

	p > 0.05
	p ≤ 0.05
	p ≤ 0.001