

## Appendix 1. Asset-based wealth index

For each country, we validated the principal components-based wealth index by examining the proportion of households in wealth quintile categories with the assets used to construct the index.

A1.1: Proportion of households with particular indicator assets, by wealth quintile category.

Country/Variable	Wealth Category		
	Quintiles I & II (poorest)	Quintiles III & IV	Quintile V (wealthiest)
<b>Angola</b>			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0336	0.4594
Motorcycle	0.0828	0.2041	0.1623
Bicycle	0.1431	0.1154	0.1710
Refrigerator	0.0000	0.0629	0.7478
TV	0.0086	0.5487	0.9793
Radio	0.2224	0.8002	0.9499
Mobile phone	0.0474	0.7020	1.0000
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0069	0.2989	0.9568
Improved drinking water source	0.1397	0.6555	0.8100
Flush toilet	0.0129	0.2127	0.6269
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.560	1.930	2.287
Floor of finished materials	0.0052	0.4057	0.9793
<b>Liberia</b>			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0000	0.0813
Motorcycle	0.0000	0.0229	0.2262
Bicycle	0.0000	0.0033	0.1012
Refrigerator	0.0000	0.0054	0.0747
TV	0.0000	0.0011	0.2544
Radio	0.1841	0.5854	0.8239
Mobile phone	0.0299	0.6746	0.9235
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0033	0.1096
Improved drinking water source	0.5313	0.7854	0.8809
Flush toilet	0.0040	0.0621	0.3855
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.508	1.937	2.622
Floor of finished materials	0.1045	0.4477	0.8434
<b>Uganda</b>			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0000	0.0637
Motorcycle	0.0000	0.0235	0.2695
Bicycle	0.2329	0.6843	0.5309
Refrigerator	0.0029	0.0103	0.1244
TV	0.0000	0.0037	0.3230
Radio	0.3857	0.8389	0.9146
Mobile phone	0.0323	0.6505	0.9246

<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0118	0.3204
Improved drinking water source	0.6231	0.7670	0.8822
Flush toilet	0.0000	0.0000	0.0442
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.648	2.076	2.298
Floor of finished materials	0.0022	0.1112	0.8483
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Malawi			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0000	0.0712
Motorcycle	0.0000	0.0039	0.0501
Bicycle	0.3607	0.4862	0.4512
Refrigerator	0.0000	0.0026	0.2375
TV	0.0000	0.0052	0.6280
Radio	0.1777	0.6579	0.9499
Mobile phone	0.0265	0.5793	0.9551
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0013	0.4670
Improved drinking water source	0.6379	0.8689	0.9551
Flush toilet	0.0000	0.0000	0.0897
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.512	1.965	2.285
Floor of finished materials	0.0027	0.1887	0.8865
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Rwanda			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0000	0.0343
Motorcycle	0.0000	0.0000	0.0395
Bicycle	0.0366	0.1779	0.4690
Refrigerator	0.0000	0.0000	0.0514
TV	0.0000	0.0027	0.2537
Radio	0.2469	0.8383	0.9447
Mobile phone	0.0379	0.5490	0.9407
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0067	0.4214
Improved drinking water source	0.5342	0.8094	0.9037
Flush toilet	0.0000	0.0000	0.0396
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.850	2.285	2.591
Floor of finished materials	0.0000	0.0646	0.6192
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Senegal			
<i>Asset ownership (proportion)</i>			
Car	0.0105	0.0161	0.0610
Motorcycle	0.0056	0.0862	0.2741
Bicycle	0.1252	0.2726	0.2177
Refrigerator	0.0000	0.0147	0.6175
TV	0.0168	0.4688	0.8862
Radio	0.6273	0.9222	0.9753
Mobile phone	0.4916	0.9636	0.9648
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0189	0.4569	0.8872
Improved drinking water source	0.5734	0.6629	0.9110
Flush toilet	0.0637	0.4386	0.7389

<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	3.879	5.418	6.503
Floor of finished materials	0.1400	0.5902	0.7925
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Tanzania			
<i>Asset ownership (proportion)</i>			
Car	0.0008	0.0034	0.0673
Motorcycle	0.0034	0.0566	0.2343
Bicycle	0.4295	0.7341	0.6053
Refrigerator	0.0000	0.0008	0.2308
TV	0.0041	0.0189	0.5058
Radio	0.3363	0.7998	0.8516
Mobile phone	0.2089	0.9086	0.9764
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0057	0.4966
Improved drinking water source	0.3202	0.5634	0.8423
Flush toilet	0.0004	0.0095	0.3432
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	2.225	2.897	2.980
Floor of finished materials	0.0038	0.1988	0.9026
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Nigeria			
<i>Asset ownership (proportion)</i>			
Car	0.0069	0.0533	0.3345
Motorcycle	0.2291	0.5223	0.5398
Bicycle	0.2781	0.2915	0.2632
Refrigerator	0.0006	0.0584	0.6318
TV	0.0259	0.5338	0.9648
Radio	0.4496	0.8562	0.9578
Mobile phone	0.1929	0.8797	0.9813
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.1382	0.5790	0.9237
Improved drinking water source	0.3788	0.5848	0.7115
Flush toilet	0.0178	0.0968	0.4322
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	2.421	2.970	3.157
Floor of finished materials	0.2596	0.7225	0.9295
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Madagascar			
<i>Asset ownership (proportion)</i>			
Car	0.0000	0.0015	0.0646
Motorcycle	0.0000	0.0010	0.1159
Bicycle	0.0468	0.2347	0.4767
Refrigerator	0.0000	0.0000	0.1216
TV	0.0000	0.0059	0.6125
Radio	0.2330	0.5296	0.8661
Mobile phone	0.0000	0.1545	0.8367
<i>Access to utilities/infrastructure (proportion)</i>			
Electricity	0.0000	0.0142	0.6762
Improved drinking water source	0.0000	0.5516	0.8063
Flush toilet	0.0000	0.0132	0.1491
<i>Characteristics of living residence</i>			
Number of dwelling rooms ( <i>mean</i> )	1.182	1.504	1.980
Floor of finished materials	0.0000	0.1555	0.7626