

Health, Nutrition, Population and Poverty
South Africa 1998 - ANNEX B: ASSETS AND FACTOR SCORES

Asset Variable	Unweighted		Quintiles						Average	Factor Score	Household score if:	
	Mean	Std. Deviation	Lowest	2nd	3rd	4th	Highest	has asset			no asset	
			Percentage of Population									
Has electricity	0.617	0.486	5.1%	30.2%	80.8%	99.1%	100.0%	63.1%	0.08796	0.06935	-0.11155	
Has radio	0.790	0.407	62.6%	74.3%	82.1%	87.2%	97.1%	80.7%	0.03941	0.02031	-0.07645	
Has television	0.545	0.498	6.8%	31.4%	66.9%	89.3%	98.6%	58.6%	0.08215	0.07506	-0.08989	
Has refrigerator	0.466	0.499	1.2%	13.1%	50.5%	88.2%	99.8%	50.6%	0.09164	0.09817	-0.08555	
Has bicycle	0.166	0.372	6.7%	12.3%	15.3%	15.0%	43.3%	18.5%	0.03607	0.08096	-0.01607	
Has motorcycle	0.018	0.132	0.4%	0.4%	1.0%	0.7%	6.2%	1.7%	0.02187	0.16319	-0.00293	
Has car	0.227	0.419	3.2%	4.9%	13.3%	18.6%	79.0%	23.8%	0.07221	0.13332	-0.03911	
Has telephone	0.256	0.436	0.1%	0.5%	6.3%	38.6%	88.6%	26.8%	0.08523	0.14539	-0.04996	
Has personal computer	0.051	0.221	0.0%	0.1%	0.3%	0.9%	26.5%	5.5%	0.04573	0.19669	-0.01063	
Has washing machine	0.187	0.390	0.0%	0.2%	1.5%	15.3%	82.4%	19.9%	0.07921	0.16538	-0.03793	
Cooking fuel: electricity	0.481	0.498	0.2%	7.6%	50.1%	93.3%	98.9%	50.2%	0.09389	0.09782	-0.09079	
Cooking fuel: gas	0.082	0.273	1.2%	5.9%	10.3%	9.3%	9.4%	7.2%	0.01394	0.04694	-0.00417	
Cooking fuel: paraffin	0.372	0.482	45.5%	55.0%	46.8%	16.5%	2.1%	33.1%	-0.05442	-0.07093	0.04206	
Cooking fuel: wood	0.300	0.457	86.1%	48.1%	16.0%	4.8%	1.1%	31.2%	-0.07139	-0.10941	0.04694	
Cooking fuel: coal	0.085	0.278	3.1%	12.5%	18.6%	13.7%	2.7%	10.1%	-0.00401	-0.01321	0.00122	
Cooking fuel: animal dung	0.014	0.116	3.6%	1.3%	0.2%	0.1%	0.0%	1.0%	-0.01692	-0.14342	0.00201	
Cooking fuel: other	0.003	0.056	0.0%	0.1%	0.2%	0.2%	1.1%	0.3%	0.00455	0.08162	-0.00026	
Has donkey/horse	0.034	0.180	8.4%	2.9%	1.7%	0.3%	1.0%	2.9%	-0.01597	-0.08567	0.00298	
Has sheep/cattle	0.125	0.330	37.0%	15.9%	10.0%	2.0%	1.5%	13.3%	-0.03815	-0.10103	0.01440	
Number of members per sleeping room	1.959	1.459	3.0	2.5	2.4	2.3	1.5	2.3	-0.02988	0.01966	0.04014	
if piped drinking water in residence	0.354	0.478	0.2%	4.1%	17.5%	61.4%	96.9%	36.0%	0.08839	0.11947	-0.06539	
if uses water that is piped into the building	0.244	0.429	4.0%	22.9%	50.5%	36.3%	2.0%	23.1%	-0.00012	-0.00021	0.00007	
if uses a public faucet (piped)	0.193	0.395	29.0%	46.2%	20.4%	0.6%	0.0%	19.3%	-0.04254	-0.08699	0.02080	
if uses a well	0.027	0.162	7.7%	5.7%	2.7%	0.6%	0.5%	3.4%	-0.01415	-0.08502	0.00235	
if uses river, canal or surface water for drinking	0.145	0.352	54.4%	12.6%	4.6%	0.4%	0.0%	14.4%	-0.05786	-0.14077	0.02378	
if rain for drinking water	0.010	0.100	1.1%	1.2%	0.9%	0.1%	0.0%	0.7%	-0.00829	-0.08231	0.00084	
if gets drinking water from tanker truck	0.010	0.099	1.9%	1.6%	0.8%	0.1%	0.0%	0.9%	-0.00956	-0.09527	0.00096	
if uses bottled water	0.001	0.026	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%	0.00089	0.03491	-0.00002	
Other source of drinking water	0.013	0.112	1.0%	3.6%	2.1%	0.2%	0.5%	1.5%	-0.00680	-0.06009	0.00077	
if uses a flush toilet	0.415	0.493	0.0%	3.0%	28.3%	84.8%	99.6%	43.2%	0.09451	0.11217	-0.07962	
if uses a shared flush toilet	0.036	0.186	0.3%	4.1%	6.4%	5.2%	0.2%	3.2%	-0.00059	-0.00306	0.00011	
if uses a pit latrine	0.326	0.469	46.9%	67.9%	49.2%	6.4%	0.0%	34.1%	-0.05206	-0.07485	0.03621	
if uses a bucket for latrine	0.076	0.264	2.5%	10.5%	12.2%	3.2%	0.0%	5.7%	-0.00956	-0.03344	0.00274	
if uses bush,field as latrine	0.137	0.344	49.8%	11.5%	2.5%	0.1%	0.0%	12.8%	-0.05517	-0.13822	0.02202	
if other type of latrine	0.004	0.064	0.3%	1.0%	0.5%	0.1%	0.0%	0.4%	-0.00382	-0.05959	0.00024	
if has dirt, sand, dung as principal floor in dwelling	0.202	0.402	71.7%	12.8%	3.5%	0.5%	0.0%	17.7%	-0.06936	-0.13774	0.03492	
if has wood, plank principal floor in dwelling	0.014	0.116	0.2%	1.1%	0.8%	1.6%	1.7%	1.1%	0.00534	0.04531	-0.00063	
if has tiles for main flooring material	0.065	0.247	0.0%	0.2%	1.2%	11.0%	22.9%	7.1%	0.03604	0.13651	-0.00951	
if has cement principal floor	0.308	0.462	22.8%	63.4%	58.1%	24.3%	2.0%	34.1%	-0.02404	-0.03601	0.01604	
if has parquet or polished wood floors	0.018	0.134	0.0%	0.0%	0.3%	2.4%	5.8%	1.7%	0.02007	0.14705	-0.00274	

if has vinyl or asphalt strips as flooring material	0.191	0.393	4.5%	13.2%	23.7%	39.8%	14.2%	19.1%	0.01235	0.02542	-0.00600
if has carpeted principal floor	0.192	0.394	0.5%	7.2%	11.2%	19.7%	52.6%	18.3%	0.05529	0.11357	-0.02691
if has other type of flooring	0.003	0.056	0.1%	0.1%	0.2%	0.2%	0.6%	0.3%	0.00501	0.08865	-0.00028
Walls from plastic/cardboard	0.026	0.160	1.2%	3.7%	5.7%	2.2%	0.2%	2.6%	-0.00584	-0.03555	0.00096
if has cane, palm, trunks for walls	0.178	0.382	69.3%	9.9%	2.3%	0.0%	0.0%	16.3%	-0.06716	-0.14456	0.03120
Walls from mud and cement	0.092	0.289	17.3%	19.4%	10.7%	4.1%	0.5%	10.4%	-0.02279	-0.07147	0.00726
Walls from corrugated iron/zinc	0.080	0.271	4.4%	13.8%	13.5%	2.5%	0.3%	6.9%	-0.01534	-0.05206	0.00452
Walls prefabricated	0.003	0.058	0.1%	0.3%	0.3%	0.4%	0.2%	0.3%	0.00021	0.00369	-0.00001
if walls from bare brick, cement blocks	0.129	0.335	4.5%	20.2%	20.2%	12.1%	3.8%	12.2%	-0.00346	-0.00899	0.00133
Walls from plaster/finished	0.464	0.499	2.1%	27.1%	42.7%	76.6%	94.1%	48.5%	0.07878	0.08468	-0.07329
if has other material for walls	0.010	0.100	0.5%	1.5%	1.2%	1.1%	0.5%	1.0%	-0.00155	-0.01540	0.00016

Notes:

- Household score for number of members per sleeping room is calculated as follows:
 $(\# \text{ people per room} - \text{unweighted mean}) / \text{unweighted standard deviation} \times \text{factor score}$; see Annex C.
- Household score for size of land (irrigated or non-irrigated) is calculated as follows:
 $(\text{acres of land} - \text{unweighted mean}) / \text{unweighted standard deviation} \times \text{factor score}$; see Annex C.

South Africa 1998
Annex B: Assets and Factor Scores

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.96353
second	-0.96353	-0.41551
middle	-0.41551	0.32100
fourth	0.32100	1.11770
richest	1.11770	highest