

Health, Nutrition, Population and Poverty
Zambia 2001 - ANNEX B: ASSETS AND FACTOR SCORES

Asset Variable	Unweighted		Lowest	2nd	3rd	Quintiles		Average	Factor Score	Household score if:	
	Mean	Std. Deviation				4th	Highest			has asset	no asset
						Percentage of Population					
Has electricity	0.136	0.342	0.0%	0.0%	0.0%	6.6%	93.6%	20.0%	0.12955	0.32693	-0.05133
Has radio	0.392	0.488	0.0%	33.4%	56.3%	60.3%	85.8%	46.5%	0.07237	0.09017	-0.05809
Has television	0.152	0.359	0.0%	0.0%	2.6%	24.4%	88.1%	23.0%	0.12004	0.28354	-0.05082
Has refrigerator	0.076	0.265	0.0%	0.0%	0.2%	0.8%	58.8%	12.0%	0.11153	0.38869	-0.03200
Has bicycle	0.311	0.463	23.1%	37.6%	48.6%	35.2%	30.1%	34.6%	-0.00167	-0.00249	0.00112
Has motorcycle/scooter	0.004	0.065	0.0%	0.0%	0.0%	0.9%	1.4%	0.5%	0.01694	0.26057	-0.00110
Has car/truck	0.022	0.148	0.0%	0.0%	0.3%	3.2%	13.0%	3.3%	0.05594	0.36911	-0.00848
Has telephone	0.030	0.171	0.0%	0.0%	0.0%	0.2%	21.5%	4.3%	0.07793	0.44179	-0.01374
Share toilet with other households	0.277	0.448	0.0%	26.8%	33.8%	48.8%	26.2%	26.6%	0.02207	0.03565	-0.01366
Solar power	0.005	0.072	0.1%	0.0%	0.4%	2.1%	0.3%	0.6%	0.00591	0.08174	-0.00043
If HH has a domestic worker not related to head	0.001	0.037	0.0%	0.0%	0.1%	0.3%	0.5%	0.2%	0.00713	0.19010	-0.00027
If household works own or family's agric. land	0.800	0.400	80.6%	89.2%	91.5%	90.5%	94.1%	89.0%	0.01798	0.00898	-0.03601
Piped into dwelling	0.056	0.230	0.0%	0.0%	0.0%	2.8%	40.6%	8.7%	0.09294	0.38211	-0.02260
Piped into yard/plot	0.066	0.247	0.0%	0.0%	0.4%	13.7%	34.1%	9.6%	0.06505	0.24563	-0.01723
Communal tap	0.139	0.346	0.0%	3.1%	13.4%	42.4%	16.9%	15.1%	0.03147	0.07822	-0.01266
Piped to neighbor	0.004	0.065	0.0%	0.0%	0.2%	1.0%	1.4%	0.5%	0.00967	0.14876	-0.00063
Open well in yard/plot	0.034	0.182	0.2%	4.9%	4.9%	5.2%	1.7%	3.3%	-0.00059	-0.00313	0.00011
Open public well	0.302	0.459	52.2%	25.2%	29.2%	9.9%	1.8%	24.2%	-0.04996	-0.07600	0.03284
Open public well at neighbor	0.002	0.043	0.0%	0.1%	0.4%	0.9%	0.0%	0.3%	-0.00099	-0.02323	0.00004
Protected well in yard/plot	0.022	0.148	0.1%	2.9%	2.6%	5.2%	1.4%	2.4%	0.00134	0.00882	-0.00020
Protected public well	0.173	0.378	22.1%	23.8%	22.2%	13.7%	1.7%	16.6%	-0.02703	-0.05908	0.01236
Spring water	0.016	0.124	0.8%	2.4%	2.4%	0.9%	0.0%	1.3%	-0.00720	-0.05727	0.00091
Surface water-river, lake, etc.	0.184	0.387	24.6%	37.3%	23.9%	4.1%	0.0%	17.7%	-0.03916	-0.08255	0.01858
Rain water	0.001	0.029	0.0%	0.4%	0.2%	0.0%	0.0%	0.1%	-0.00185	-0.06361	0.00005
Tanker truck	0.000	0.012	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.00654	0.55172	-0.00008
Bottled water	0.000	0.012	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00109	0.09166	-0.00001
Other water source	0.001	0.036	0.0%	0.0%	0.3%	0.2%	0.3%	0.2%	0.00486	0.13673	-0.00017
Flush toilet	0.118	0.323	0.0%	0.0%	0.7%	11.1%	78.6%	18.1%	0.11689	0.31910	-0.04281
Traditional pit latrine	0.558	0.497	22.8%	63.4%	84.5%	79.6%	19.1%	53.1%	-0.02094	-0.01863	0.02355
Ventilated improved pit latrine	0.013	0.114	0.0%	0.0%	1.4%	4.5%	1.9%	1.6%	0.01299	0.11292	-0.00149
No facility/bush/field	0.308	0.462	77.2%	36.6%	13.2%	4.2%	0.1%	27.0%	-0.06276	-0.09397	0.04191
Other toilet facility	0.001	0.024	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.00433	0.18273	-0.00010
Earth, mud, dung floor	0.685	0.465	100.0%	100.0%	90.7%	10.1%	0.5%	60.2%	-0.12032	-0.08168	0.17723
Rudimentary wood plank floor	0.001	0.026	0.0%	0.0%	0.1%	0.2%	0.1%	0.1%	0.00296	0.11164	-0.00008
Concrete, cement floor	0.281	0.449	0.0%	0.0%	8.4%	86.6%	79.3%	34.9%	0.10016	0.16022	-0.06260
Terrazo, ceramic tile floor	0.004	0.060	0.0%	0.0%	0.0%	0.6%	1.9%	0.5%	0.02499	0.41300	-0.00151
Parquet, wood tile floor	0.001	0.026	0.0%	0.0%	0.0%	0.0%	0.6%	0.1%	0.01312	0.49496	-0.00035
Brick floor	0.001	0.029	0.0%	0.0%	0.5%	0.2%	0.0%	0.1%	-0.00070	-0.02405	0.00002
Other type of flooring	0.010	0.097	0.0%	0.0%	0.0%	1.3%	5.4%	1.3%	0.02702	0.27525	-0.00265
Electricity for cooking	0.107	0.309	0.0%	0.0%	0.0%	1.8%	78.8%	16.1%	0.12238	0.35363	-0.04234

LPG, natural gas for cooking	0.000	0.021	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.00289	0.14072	-0.00006
Coal, lignite for cooking	0.001	0.031	0.0%	0.0%	0.0%	0.4%	0.0%	0.1%	0.00356	0.11342	-0.00011
Charcoal for cooking	0.230	0.421	0.0%	0.0%	34.8%	69.8%	20.2%	25.0%	0.03416	0.06244	-0.01868
Wood, straw for cooking	0.658	0.474	100.0%	99.6%	64.5%	27.7%	1.0%	58.6%	-0.11017	-0.07942	0.15281
Dung for cooking	0.001	0.026	0.0%	0.0%	0.1%	0.2%	0.0%	0.1%	0.00075	0.02817	-0.00002
Other fuel for cooking	0.002	0.046	0.0%	0.4%	0.4%	0.0%	0.0%	0.1%	-0.00207	-0.04507	0.00010

Notes:

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

Zambia 2001
Annex B: Assets and Factor Scores

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.62785
second	-0.62785	-0.49021
middle	-0.49021	-0.05941
fourth	-0.05941	1.23147
richest	1.23147	highest