

**Health, Nutrition, Population and Poverty**  
**Madagascar 1997 - 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	0.154	0.361	0.0%	0.0%	0.1%	0.4%	55.1%	11.1%	0.15080	0.35405	-0.06422	
Has radio	0.417	0.493	0.9%	33.3%	31.4%	56.5%	86.4%	41.7%	0.10360	0.12243	-0.08765	
Has television	0.094	0.291	0.0%	0.0%	0.0%	0.2%	33.8%	6.8%	0.13631	0.42387	-0.04383	
Has refrigerator	0.020	0.138	0.0%	0.0%	0.0%	0.0%	6.3%	1.3%	0.08574	0.60761	-0.01210	
Has bicycle	0.052	0.223	0.2%	1.7%	3.6%	8.0%	17.4%	6.2%	0.04035	0.17152	-0.00949	
Has motorcycle	0.006	0.075	0.0%	0.0%	0.0%	0.0%	2.9%	0.6%	0.04297	0.56660	-0.00326	
Has car	0.016	0.125	0.0%	0.0%	0.0%	0.0%	5.2%	1.0%	0.07643	0.60131	-0.00971	
Has telephone	0.009	0.096	0.0%	0.0%	0.0%	0.0%	2.9%	0.6%	0.06839	0.70954	-0.00659	
If household works own or family's agric. land	0.500	0.500	98.6%	70.6%	64.5%	56.9%	12.0%	60.5%	-0.09713	-0.09717	0.09708	
Number of members per sleeping room	3.725	2.123	5.8	4.8	4.8	4.0	3.4	4.6	-0.05370	0.06892	0.09422	
If piped drinking water in residence	0.059	0.236	0.0%	0.0%	0.0%	0.7%	19.4%	4.0%	0.11394	0.45393	-0.02860	
If has a well in residence	0.028	0.166	0.0%	0.7%	2.3%	6.4%	8.9%	3.7%	0.01202	0.07041	-0.00205	
If uses river, canal or surface water for drinking	0.542	0.498	92.2%	73.9%	64.2%	59.3%	6.7%	59.3%	-0.10437	-0.09593	0.11354	
Other source of drinking water	0.001	0.026	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.00177	-0.06691	0.00005	
If uses own flush toilet	0.037	0.189	0.0%	0.0%	0.0%	0.3%	11.0%	2.3%	0.09723	0.49630	-0.01904	
If gets water from an open well/hole/cesspool in residence	0.035	0.183	0.0%	1.8%	4.6%	7.9%	7.5%	4.3%	0.00524	0.02767	-0.00099	
If uses bush,field as latrine	0.587	0.492	100.0%	99.2%	67.2%	30.5%	5.4%	60.5%	-0.12692	-0.10656	0.15116	
If other type of latrine	0.000	0.017	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00208	0.12450	-0.00003	
If has dirt, sand, dung as principal floor in dwelling	0.071	0.258	0.0%	6.3%	10.8%	13.7%	5.8%	7.3%	-0.00042	-0.00150	0.00012	
If has wood, plank principal floor in dwelling	0.140	0.347	0.0%	0.3%	12.5%	25.6%	19.4%	11.5%	0.03547	0.08807	-0.01429	
If has cement principal floor	0.142	0.349	0.0%	0.0%	1.4%	11.4%	50.7%	12.7%	0.08999	0.22147	-0.03656	
If has other type of flooring	0.000	0.017	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.00141	-0.08460	0.00002	
If rain for drinking water	0.000	0.017	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	-0.00163	-0.09762	0.00003	
If uses a public faucet (piped)	0.149	0.356	0.0%	0.4%	4.3%	10.6%	40.7%	11.2%	0.08025	0.19150	-0.03362	
If gets water from open well/hole/cesspool outside residence	0.095	0.293	6.4%	17.6%	15.4%	5.3%	2.4%	9.4%	-0.02915	-0.08998	0.00944	
If uses a traditional pit toilet	0.334	0.472	0.0%	0.0%	26.8%	61.7%	75.7%	32.8%	0.08954	0.12636	-0.06344	
If uses a VIP latrine	0.042	0.200	0.0%	0.8%	5.9%	7.5%	7.9%	4.4%	0.00948	0.04538	-0.00198	
If has parquet or polished wood floors	0.048	0.214	0.0%	0.0%	0.2%	2.4%	16.7%	3.9%	0.07280	0.32332	-0.01639	
If has tiles for main flooring material	0.003	0.055	0.0%	0.0%	0.0%	0.0%	1.0%	0.2%	0.03367	0.60695	-0.00187	
If has palm or bamboo for floor materials	0.591	0.492	100.0%	93.4%	75.1%	46.4%	4.8%	64.0%	-0.12683	-0.10548	0.15250	
If has carpeted flooring	0.003	0.058	0.0%	0.0%	0.0%	0.3%	1.4%	0.3%	0.01799	0.31049	-0.00104	
If has piped water outside residence	0.018	0.134	0.0%	0.0%	1.4%	2.3%	5.7%	1.9%	0.01861	0.13587	-0.00255	
If has borehole with pump in residence	0.011	0.103	0.0%	0.0%	0.4%	1.1%	4.3%	1.2%	0.01642	0.15757	-0.00171	
If has borehole with pump outside of residence	0.018	0.133	1.3%	3.0%	2.3%	0.8%	1.0%	1.7%	-0.01110	-0.08166	0.00151	
If has well outside of residence	0.038	0.191	0.0%	1.7%	3.7%	5.4%	3.1%	2.8%	-0.00205	-0.01033	0.00041	
If gets water from a tanker truck	0.005	0.071	0.2%	0.9%	1.3%	0.2%	0.2%	0.6%	-0.00265	-0.03729	0.00019	

Notes:

1. Household score for number of members per sleeping room is calculated as follows:

( (# people per room - unweighted mean) / unweighted standard deviation ) \* factor score; see Annex C.

2. Household score for size of land (irrigated or non-irrigated) is calculated as follows:

( (acres of land - unweighted mean) / unweighted standard deviation ) \* factor score; see Annex C.

**Madagascar 1997**  
**Annex B: Assets and Factor Scores**

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.81093
second	-0.81093	-0.60068
middle	-0.60068	-0.26565
fourth	-0.26565	0.37056
richest	0.37056	highest