

Health, Nutrition, Population and Poverty
Guatemala 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	0.596	0.491	7.2%	52.6%	84.9%	98.4%	100.0%	68.6%	0.07800	0.06419	-0.09477	
Has radio	0.763	0.425	56.6%	73.9%	85.8%	87.9%	96.5%	80.1%	0.03656	0.02038	-0.06556	
Has television	0.424	0.494	1.6%	20.1%	62.8%	88.8%	99.5%	54.6%	0.08426	0.09823	-0.07226	
Has refrigerator	0.212	0.409	0.0%	0.5%	13.0%	39.7%	89.6%	28.6%	0.07927	0.15278	-0.04113	
Has bicycle	0.322	0.467	12.9%	32.9%	49.3%	36.2%	16.9%	29.6%	0.01600	0.02322	-0.01103	
Has motorcycle	0.041	0.198	0.0%	0.8%	2.2%	5.3%	11.6%	4.0%	0.03422	0.16551	-0.00707	
Has car	0.114	0.318	0.5%	0.7%	7.8%	16.2%	55.7%	16.2%	0.05457	0.15210	-0.01957	
Has telephone	0.086	0.281	0.0%	0.0%	0.6%	8.0%	62.1%	14.1%	0.06310	0.20509	-0.01941	
Has tractor	0.002	0.048	0.0%	0.0%	0.7%	0.3%	0.8%	0.4%	0.00359	0.07438	-0.00017	
Has horse/mules	0.154	0.361	28.5%	12.6%	9.2%	2.3%	0.3%	10.6%	-0.03622	-0.08497	0.01544	
Has a place/room to cook	0.784	0.411	67.6%	83.6%	90.1%	72.9%	87.1%	80.3%	0.01626	0.00853	-0.03100	
Has a chimney in the kitchen	0.166	0.372	10.5%	17.5%	27.8%	17.4%	6.2%	15.9%	0.00504	0.01128	-0.00225	
Has land to grow crops	0.448	0.517	76.4%	45.8%	38.2%	15.7%	3.6%	36.0%	-0.05251	-0.05604	0.04551	
Number of cuerdas (1 dec)	1072.287	7807.091	2879.2	1305.6	660.3	113.1	148.6	1021.5	-0.01219	0.00167	0.00167	
If household works own or family's agric. land	0.214	0.410	54.3%	21.5%	15.4%	3.5%	0.6%	19.1%	-0.04351	-0.08328	0.02273	
Number of members per sleeping room	3.909	2.465	6.4	5.3	4.3	3.4	2.2	4.3	-0.05242	0.06186	0.08312	
if piped drinking water in residence	0.528	0.499	32.0%	59.0%	61.1%	74.5%	46.9%	54.7%	0.02203	0.02082	-0.02330	
if uses a public faucet (piped)	0.060	0.237	9.7%	7.5%	6.1%	1.2%	0.1%	4.9%	-0.01778	-0.07060	0.00447	
H2OPIPVT	0.034	0.182	7.0%	4.0%	2.2%	0.9%	0.5%	2.9%	-0.01126	-0.05966	0.00212	
if has a well	0.183	0.386	22.3%	22.1%	26.6%	8.2%	1.1%	16.1%	-0.02237	-0.04733	0.01057	
if uses spring, river, canal or surface water for drinking	0.100	0.299	28.5%	5.7%	1.5%	0.2%	0.0%	7.2%	-0.03871	-0.11643	0.01287	
if rain for drinking water	0.004	0.065	0.5%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.00580	-0.08831	0.00038	
if gets drinking water from tanker truck	0.001	0.033	0.0%	0.0%	0.0%	0.5%	0.2%	0.1%	0.00205	0.06243	-0.00007	
if uses bottled water	0.084	0.278	0.0%	0.4%	2.1%	14.2%	50.9%	13.5%	0.05643	0.18576	-0.01714	
Other source of drinking water	0.005	0.073	0.1%	1.2%	0.2%	0.4%	0.3%	0.4%	0.00050	0.00684	-0.00004	
if uses a flush toilet connected to sewer/private	0.234	0.424	0.1%	1.8%	13.9%	49.0%	86.5%	30.3%	0.08104	0.14641	-0.04484	
if uses a flush toilet connected to sewer/public	0.035	0.185	0.0%	0.5%	3.6%	14.9%	7.1%	5.2%	0.02003	0.10448	-0.00384	
if uses a flush toilet connected to septic well	0.046	0.210	0.3%	3.0%	7.0%	13.8%	4.5%	5.7%	0.01515	0.06869	-0.00334	
if uses a pit latrine	0.477	0.500	57.1%	74.9%	65.8%	21.6%	1.4%	44.2%	-0.04290	-0.04492	0.04097	
if uses bush,field as latrine	0.202	0.402	42.0%	19.1%	8.7%	0.7%	0.0%	14.1%	-0.04886	-0.09707	0.02458	
if other type of latrine	0.001	0.038	0.2%	0.0%	0.9%	0.0%	0.0%	0.2%	-0.00330	-0.08706	0.00012	
if has dirt, sand, dung as principal floor in dwelling	0.493	0.500	95.2%	78.1%	28.4%	6.8%	0.1%	41.7%	-0.08361	-0.08486	0.08237	
if has mud bricks for principal floor	0.021	0.142	1.6%	4.1%	1.2%	0.9%	0.1%	1.6%	-0.00855	-0.05897	0.00124	
if has wood, plank principal floor in dwelling	0.004	0.067	0.1%	0.2%	0.3%	0.4%	0.1%	0.2%	0.00205	0.03062	-0.00014	
if has parquet or polished wood floors	0.002	0.046	0.0%	0.0%	0.0%	0.7%	0.5%	0.2%	0.00438	0.09429	-0.00020	
if has bricks for principal floor	0.137	0.344	0.0%	0.4%	8.0%	26.1%	73.2%	21.6%	0.06420	0.16116	-0.02557	
if has tiles for main flooring material	0.010	0.100	0.0%	0.0%	1.0%	1.2%	4.4%	1.3%	0.01541	0.15179	-0.00156	
if has cement principal floor	0.332	0.471	3.0%	17.1%	60.7%	63.7%	21.6%	33.2%	0.04047	0.05742	-0.02852	
if has cane, palm, trunks for walls	0.077	0.267	19.4%	8.2%	0.9%	0.1%	0.0%	5.7%	-0.03145	-0.10878	0.00909	
Walls from adobe (sun-dried brick)	0.264	0.441	40.4%	44.9%	29.5%	11.4%	2.4%	25.7%	-0.02769	-0.04618	0.01660	

if has wood planks for walls	0.239	0.427	31.8%	27.4%	15.1%	9.3%	1.5%	17.0%	-0.03972	-0.07085	0.02227
if disposable material for walls	0.018	0.135	5.0%	5.5%	2.1%	0.0%	0.0%	2.5%	-0.01143	-0.08342	0.00157
if cinder blocks for walls	0.359	0.480	0.4%	8.6%	47.6%	72.5%	92.8%	44.4%	0.08222	0.10984	-0.06153
if metal sheets for walls	0.018	0.133	1.0%	4.0%	3.2%	4.9%	0.3%	2.7%	-0.00225	-0.01666	0.00030
if walls from bare brick, cement blocks	0.012	0.107	0.2%	0.5%	0.9%	1.3%	2.1%	1.0%	0.00750	0.06913	-0.00081
if has other material for walls	0.011	0.106	1.9%	0.9%	0.4%	0.4%	0.8%	0.9%	-0.00820	-0.07614	0.00088
if has natural material roofing	0.146	0.353	28.8%	4.4%	3.6%	0.3%	0.0%	7.4%	-0.04727	-0.11429	0.01955
if roof from metal sheets	0.613	0.487	42.6%	73.5%	81.4%	84.6%	42.1%	64.8%	0.02107	0.01673	-0.02653
if has ceramic tiles for roof	0.150	0.357	26.8%	20.8%	11.8%	6.3%	0.8%	13.3%	-0.02185	-0.05208	0.00916
if has calamine, cement fibre roof	0.021	0.142	0.3%	1.0%	1.8%	2.2%	5.6%	2.2%	0.01587	0.10949	-0.00230
if roof from cement	0.062	0.242	0.1%	0.1%	1.0%	6.5%	51.3%	11.8%	0.05208	0.20173	-0.01344
if has other roofing	0.006	0.078	1.2%	0.2%	0.0%	0.0%	0.0%	0.3%	-0.00921	-0.11764	0.00072
if uses electricity as cooking fuel	0.003	0.057	0.0%	0.0%	0.0%	1.0%	2.4%	0.7%	0.01015	0.17858	-0.00058
if uses gas as cooking fuel	0.258	0.438	0.0%	0.1%	10.4%	74.5%	95.2%	36.0%	0.09042	0.15328	-0.05333
if uses kerosene as cooking fuel	0.005	0.072	0.0%	0.0%	0.1%	1.3%	0.7%	0.4%	0.00896	0.12402	-0.00065
if uses wood as cooking fuel	0.721	0.449	99.2%	99.7%	88.7%	21.4%	0.6%	62.0%	-0.09194	-0.05720	0.14778
if uses other cooking fuel	0.007	0.081	0.0%	0.1%	0.5%	0.5%	0.0%	0.2%	0.00361	0.04424	-0.00029
Public collection	0.065	0.247	0.0%	0.7%	4.4%	17.6%	20.9%	8.7%	0.03677	0.13906	-0.00972
Private collection	0.116	0.320	0.0%	0.0%	1.2%	34.6%	69.1%	21.0%	0.06654	0.18385	-0.02408
Throw in the backyard	0.367	0.482	74.7%	49.6%	30.3%	9.7%	1.1%	33.1%	-0.05436	-0.07135	0.04142
Throw in the street	0.015	0.120	0.4%	1.4%	2.1%	2.7%	0.6%	1.4%	0.00203	0.01664	-0.00025
Bury underground	0.047	0.212	3.5%	7.9%	7.7%	3.2%	0.5%	4.5%	-0.00456	-0.02051	0.00101
Does not have any means	0.003	0.050	0.2%	0.2%	0.6%	0.1%	0.0%	0.2%	0.00052	0.01032	-0.00003
Burns trash	0.327	0.469	19.3%	32.6%	42.9%	21.8%	2.7%	23.9%	-0.01182	-0.01697	0.00823
Throw in trash dump	0.048	0.213	1.0%	6.6%	8.9%	7.5%	3.9%	5.6%	0.00743	0.03314	-0.00166
Other	0.010	0.100	0.2%	0.6%	1.6%	2.3%	1.3%	1.2%	0.00686	0.06822	-0.00069
Own dwelling	0.802	0.399	93.6%	82.8%	78.4%	66.4%	71.3%	78.5%	-0.02594	-0.01289	0.05218
Rented dwelling	0.111	0.314	0.8%	5.5%	11.4%	25.6%	26.8%	14.0%	0.03746	0.10602	-0.01323
Borrowed dwelling	0.084	0.278	5.6%	11.4%	9.8%	7.9%	1.9%	7.3%	-0.00493	0.00150	0.00150
Other type of tenancy	0.002	0.048	0.0%	0.2%	0.3%	0.0%	0.0%	0.1%	-0.00143	0.00007	0.00007

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.

Cambodia 2000
Annex B: Assets and Factor Scores

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.78322
second	-0.78322	-0.30665
middle	-0.30665	0.49853
fourth	0.49853	1.47778
richest	1.47778	highest