

**Health, Nutrition, Population and Poverty**  
**Vietnam 2002 - 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
Has electricity	0.884	0.320	54.2%	89.3%	98.5%	99.9%	100.0%	88.4%	0.07846	0.02843	-0.21652
Has radio	0.498	0.500	35.1%	41.9%	44.8%	57.3%	73.5%	50.5%	0.05524	0.05548	-0.05501
Has television	0.702	0.458	27.5%	56.9%	82.8%	92.2%	99.4%	71.8%	0.09777	0.06375	-0.14991
Has refrigerator	0.150	0.357	0.0%	0.0%	0.4%	5.2%	64.6%	14.0%	0.12631	0.30102	-0.05299
Has bicycle	0.772	0.419	47.7%	83.5%	92.9%	93.4%	84.0%	80.3%	0.03928	0.02133	-0.07233
Has motorcycle	0.440	0.496	13.0%	24.1%	36.1%	67.7%	92.9%	46.8%	0.10979	0.12382	-0.09734
Has car	0.011	0.107	0.1%	0.2%	0.0%	0.8%	4.9%	1.2%	0.03232	0.29977	-0.00349
Has telephone	0.196	0.397	0.0%	0.4%	0.7%	10.5%	76.9%	17.7%	0.13394	0.27155	-0.06606
Has sewing machine	0.150	0.357	8.3%	9.8%	8.6%	16.1%	35.5%	15.7%	0.05465	0.13031	-0.02291
Has washing machine	0.062	0.241	0.0%	0.0%	0.0%	0.1%	29.0%	5.8%	0.09528	0.37146	-0.02443
Has Boat	0.088	0.283	16.9%	11.1%	8.2%	5.6%	1.6%	8.7%	-0.03838	-0.12378	0.01190
Has ploughing machine	0.014	0.118	4.2%	5.2%	1.4%	1.5%	0.6%	2.6%	-0.00839	-0.07027	0.00100
Has motor scooter	0.006	0.075	0.3%	0.4%	0.7%	1.6%	0.4%	0.7%	0.00230	0.03041	-0.00017
Number of members per sleeping room	2.712	1.681	4.4	3.4	2.9	2.5	2.2	3.1	-0.06221		
if piped drinking water in residence	0.215	0.411	0.3%	3.0%	3.8%	15.0%	74.0%	19.2%	0.12285	0.23495	-0.06422
if uses a public faucet (piped)	0.006	0.080	0.3%	1.1%	0.9%	0.6%	0.4%	0.7%	-0.00003	-0.00038	0.00000
if has a well in residence	0.505	0.500	38.1%	63.2%	71.9%	62.8%	20.7%	51.4%	-0.04069	-0.04025	0.04113
if uses a traditional public well	0.022	0.147	7.3%	3.9%	0.7%	0.6%	0.1%	2.5%	-0.02292	-0.15280	0.00344
if uses river, canal or surface water for drinking	0.077	0.267	19.2%	9.3%	4.1%	2.4%	0.3%	7.0%	-0.04613	-0.15934	0.01335
if uses a spring for drinking water	0.049	0.215	25.9%	6.7%	1.9%	0.3%	0.0%	7.0%	-0.04606	-0.20333	0.01043
if rain for drinking water	0.116	0.320	6.5%	10.5%	16.1%	17.4%	4.3%	11.0%	-0.01002	-0.02770	0.00363
if gets drinking water from tanker truck	0.000	0.012	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	-0.00009	-0.00760	0.00000
Other source of drinking water	0.009	0.096	2.5%	2.0%	0.6%	0.8%	0.1%	1.2%	-0.01290	-0.13369	0.00124
if uses own flush toilet	0.269	0.444	0.1%	0.7%	2.2%	26.1%	92.9%	24.4%	0.14059	0.23165	-0.08531
if uses a shared flush	0.010	0.098	0.1%	0.2%	0.4%	1.5%	1.4%	0.7%	0.00812	0.08168	-0.00081
if uses a pit latrine	0.433	0.496	60.3%	62.2%	61.0%	39.5%	2.2%	45.0%	-0.08116	-0.09286	0.07093
if uses a VIP latrine	0.114	0.318	1.1%	9.1%	18.7%	21.8%	3.0%	10.8%	-0.00075	-0.00208	0.00027
if uses bush,field as latrine	0.166	0.372	37.2%	26.9%	16.9%	9.8%	0.4%	18.2%	-0.05893	-0.13228	0.02625
if other type of latrine	0.008	0.087	1.0%	0.8%	0.8%	1.2%	0.1%	0.8%	-0.00786	-0.08949	0.00069
if has dirt, sand, dung as principal floor in dwelling	0.227	0.419	67.0%	39.7%	5.0%	1.1%	0.1%	22.6%	-0.09882	-0.18233	0.05355
if has rough wood/bamboo principal floor in dwelling	0.056	0.230	29.3%	10.5%	0.8%	0.4%	0.3%	8.3%	-0.04739	-0.19422	0.01156
if has finished principal floor	0.716	0.451	3.2%	49.7%	94.1%	98.5%	99.6%	69.0%	0.11634	0.07330	-0.18462
if has other type of flooring	0.000	0.021	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.00489	-0.23716	0.00010
if has natural material roofing	0.124	0.330	41.5%	9.3%	3.3%	1.1%	0.1%	11.0%	-0.07848	-0.20857	0.02953
if roof from galvanized iron/alu	0.224	0.417	12.2%	17.4%	16.0%	28.0%	33.5%	21.4%	0.03279	0.06100	-0.01763
if has tiles/fibro/asbestos for roof	0.467	0.499	46.1%	70.8%	72.4%	41.7%	15.3%	49.2%	-0.04525	-0.04835	0.04233
if roof from cement	0.184	0.388	0.0%	2.3%	8.1%	29.3%	51.2%	18.2%	0.09003	0.18956	-0.04275
if has other roofing	0.001	0.024	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	-0.00205	-0.08583	0.00005

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.

**Vietnam 2000**  
**Annex B: Assets and Factor Scores**

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.90802
second	-0.90802	-0.38583
middle	-0.38583	-0.01189
fourth	-0.01189	0.74156
richest	0.74156	highest