

**Health, Nutrition, Population and Poverty**  
**Chad 1996-97 - 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	0.043	0.203	0.0%	0.0%	0.0%	0.5%	13.3%	2.8%	0.10008	0.47053	-0.02128
Has radio	0.374	0.484	0.0%	4.2%	38.4%	47.5%	81.0%	34.0%	0.07271	0.09410	-0.05618
Has television	0.032	0.176	0.0%	0.0%	0.0%	0.0%	11.4%	2.3%	0.09607	0.52696	-0.01751
Has refrigerator	0.016	0.124	0.0%	0.0%	0.0%	0.0%	6.0%	1.2%	0.08945	0.70949	-0.01128
Has bicycle	0.133	0.340	0.0%	9.7%	7.8%	30.1%	33.9%	16.7%	0.02946	0.07514	-0.01155
Has motorcycle	0.056	0.230	0.0%	0.0%	0.0%	1.3%	22.5%	4.8%	0.06928	0.28446	-0.01687
Has car	0.020	0.142	0.0%	0.0%	0.0%	0.0%	8.1%	1.6%	0.07941	0.54934	-0.01148
Has telephone	0.006	0.079	0.0%	0.0%	0.0%	0.0%	2.2%	0.4%	0.06785	0.85302	-0.00540
If household works own or family's agric. land	0.445	0.497	100.0%	84.8%	65.4%	56.0%	13.8%	63.6%	-0.06400	-0.07144	0.05732
Number of members per sleeping room	2.823	1.728	474.3%	304.1%	269.6%	290.4%	292.7%	320.1%	-0.01885	0.01989	0.03080
If piped drinking water in residence	0.054	0.225	0.0%	0.0%	0.0%	0.5%	16.3%	3.4%	0.09364	0.39381	-0.02226
If has a traditional well in residence	0.145	0.353	0.0%	1.0%	13.9%	25.1%	26.4%	13.1%	0.01688	0.04091	-0.00696
If has a modern well in residence	0.009	0.096	0.0%	0.0%	0.7%	2.0%	2.1%	0.9%	0.00651	0.06695	-0.00063
If uses river, canal or surface water for drinking	0.093	0.290	9.8%	20.0%	14.4%	11.2%	2.1%	12.0%	-0.02252	-0.07050	0.00719
Other source of drinking water	0.002	0.044	0.0%	0.0%	0.0%	0.8%	0.2%	0.2%	0.00067	0.01537	-0.00003
If uses own flush toilet	0.002	0.045	0.0%	0.0%	0.0%	0.0%	0.5%	0.1%	0.03737	0.82514	-0.00169
If uses a shared flush toilet	0.003	0.051	0.0%	0.0%	0.0%	0.0%	0.7%	0.1%	0.03412	0.66429	-0.00175
If uses bush,field as latrine	0.596	0.491	100.0%	99.7%	94.1%	52.7%	10.4%	71.5%	-0.08743	-0.07204	0.10610
If other type of latrine	0.001	0.032	0.0%	0.3%	0.3%	0.2%	0.0%	0.2%	-0.00223	-0.06957	0.00007
If has dirt, sand, dung as principal floor in dwelling	0.935	0.247	100.0%	100.0%	100.0%	100.0%	77.3%	95.5%	-0.11275	-0.02985	0.42587
If has tile principal floor in dwelling	0.003	0.051	0.0%	0.0%	0.0%	0.0%	0.9%	0.2%	0.03593	0.69937	-0.00185
If has cement principal floor	0.063	0.243	0.0%	0.0%	0.0%	0.0%	21.8%	4.4%	0.10734	0.41442	-0.02780
If has cane, palm, trunks for walls	0.971	0.167	100.0%	100.0%	100.0%	97.9%	91.0%	97.8%	-0.08092	-0.01390	0.47112
If walls made of cement	0.022	0.147	0.0%	0.0%	0.0%	0.0%	7.6%	1.5%	0.09099	0.60354	-0.01372
If has other material for walls	0.006	0.076	0.0%	0.0%	0.0%	2.0%	1.3%	0.6%	0.00021	0.00270	-0.00002
If has natural material roofing	0.765	0.424	100.0%	100.0%	100.0%	98.4%	26.8%	85.0%	-0.10474	-0.05799	0.18915
If rain for drinking water	0.004	0.063	0.2%	0.8%	0.8%	0.5%	0.0%	0.5%	-0.00455	-0.07227	0.00029
If uses a public fountain	0.072	0.258	0.0%	1.7%	3.7%	10.8%	12.1%	5.7%	0.00565	0.02032	-0.00157
If obtains water from a tanker truck	0.000	0.021	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.00096	0.04605	-0.00002
If uses water from a vendor	0.138	0.345	0.0%	0.0%	0.6%	7.4%	25.0%	6.6%	0.03051	0.07629	-0.01220
If uses an improved pit latrine	0.124	0.330	0.0%	0.0%	0.0%	1.2%	36.4%	7.5%	0.08360	0.22207	-0.03147
If uses a septic pit latrine	0.274	0.446	0.0%	0.0%	5.4%	45.8%	52.0%	20.5%	0.02691	0.04385	-0.01651
If uses a traditional public well	0.340	0.474	83.8%	49.7%	40.3%	23.2%	8.1%	39.8%	-0.05184	-0.07226	0.03718
If uses a modern public well	0.142	0.349	6.3%	26.7%	25.5%	18.1%	7.8%	17.7%	-0.02361	-0.05801	0.00961
If roof is made of sheet metal	0.233	0.423	0.0%	0.0%	0.0%	1.6%	72.7%	14.9%	0.10341	0.18751	-0.05702
If roof is made of cement	0.001	0.036	0.0%	0.0%	0.0%	0.0%	0.4%	0.1%	0.01727	0.47572	-0.00063

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.

**Chad 1996-97**  
**Annex B: Assets and Factor Scores**

Wealth Quintile	Asset Index Value	
	Lowest	Highest
poorest	lowest	-0.63901
second	-0.63901	-0.52115
middle	-0.52115	-0.41142
fourth	-0.41142	-0.02949
richest	-0.02949	highest