

Health, Nutrition, Population and Poverty
Yemen 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	0.470	0.499	0.2%	8.1%	42.4%	88.2%	99.2%	47.0%	0.05607	0.05949	-0.05284	
Has radio	0.630	0.483	28.9%	60.9%	69.2%	69.7%	87.4%	63.0%	0.02692	0.02065	-0.03510	
Has television	0.453	0.498	1.8%	12.4%	41.9%	75.0%	97.5%	45.3%	0.05292	0.05810	-0.04820	
Has refrigerator	0.242	0.428	0.0%	0.5%	2.3%	25.2%	89.8%	24.2%	0.05970	0.10565	-0.03374	
Has bicycle	0.051	0.221	0.0%	0.1%	1.0%	4.0%	19.9%	5.1%	0.02899	0.12452	-0.00675	
Has motorcycle	0.019	0.136	0.2%	0.7%	1.3%	2.4%	4.7%	1.9%	0.00966	0.06978	-0.00134	
Has car	0.176	0.381	1.2%	7.7%	17.1%	22.7%	39.7%	17.6%	0.02997	0.06480	-0.01386	
Has telephone	0.089	0.284	0.0%	0.0%	0.2%	3.0%	39.1%	8.9%	0.04505	0.14449	-0.01404	
Number of rooms in the HH	3.030	1.959	1.8	2.6	3.1	3.4	4.3	3.0	0.03474	-0.03601	-0.05375	
Fuel for cooking: Gas	0.643	0.479	5.9%	50.5%	79.3%	90.7%	99.3%	64.3%	0.04380	0.03262	-0.05879	
Fuel for cooking: Wood	0.610	0.488	85.8%	83.8%	73.5%	43.0%	19.0%	61.0%	-0.04040	-0.03230	0.05054	
Fuel for cooking: Kerosene	0.072	0.259	12.9%	10.2%	6.6%	5.4%	1.0%	7.2%	-0.01160	-0.04153	0.00324	
Fuel for cooking: Coil	0.004	0.062	0.4%	0.4%	0.2%	0.4%	0.5%	0.4%	0.00011	0.00185	-0.00001	
Fuel for cooking: Electricity	0.001	0.035	0.0%	0.0%	0.0%	0.2%	0.4%	0.1%	0.00466	0.13363	-0.00016	
Fuel for cooking: Cows excrem.	0.023	0.150	2.4%	3.7%	3.5%	2.0%	0.1%	2.3%	-0.00541	-0.03513	0.00083	
Fuel for cooking: Other	0.002	0.042	0.1%	0.1%	0.2%	0.4%	0.1%	0.2%	-0.00069	-0.01647	0.00003	
Radio cassette - Number	0.611	0.679	0.2	0.5	0.6	0.7	1.0	0.6	0.03380	0.01935	-0.03040	
Radio - Number	0.274	0.481	14.1%	29.8%	29.9%	27.7%	35.8%	27.4%	0.01025	0.01547	-0.00584	
Television BW - Number	0.235	0.442	1.7%	11.4%	34.2%	45.5%	28.2%	23.5%	0.01480	0.02563	-0.00789	
Television color - Number	0.312	0.573	0.0%	1.2%	10.0%	35.9%	105.9%	31.2%	0.05705	0.06852	-0.03105	
Video - Number	0.070	0.273	0.0%	0.0%	0.3%	1.9%	31.2%	7.0%	0.03875	0.13226	-0.00995	
Refrigerator - Number	0.256	0.469	0.0%	0.5%	2.3%	25.5%	96.0%	25.6%	0.06041	0.09596	-0.03295	
Gas range - Number	0.629	0.588	4.1%	39.5%	71.3%	91.4%	111.6%	62.9%	0.04571	0.02884	-0.04895	
Water heater - Number	0.104	0.367	0.0%	0.7%	1.4%	5.7%	42.2%	10.4%	0.03821	0.09329	-0.01081	
Sewing machine - Number	0.181	0.432	0.8%	3.7%	11.3%	23.5%	50.7%	18.1%	0.03419	0.06488	-0.01437	
Electric fan - Number	0.473	1.301	0.0%	0.3%	4.2%	45.7%	179.7%	47.3%	0.04173	0.01691	-0.01516	
Washing machine - Number	0.195	0.422	0.0%	0.0%	0.4%	13.7%	79.7%	19.5%	0.05630	0.10749	-0.02599	
Telephone - Number	0.097	0.332	0.0%	0.0%	0.2%	3.0%	43.0%	9.7%	0.04386	0.11945	-0.01282	
Air conditioning - Number	0.052	0.302	0.0%	0.0%	0.0%	0.5%	24.1%	5.2%	0.02933	0.09197	-0.00503	
Vacuum cleaner - Number	0.077	0.277	0.0%	0.0%	0.0%	1.3%	35.2%	7.7%	0.04369	0.14554	-0.01209	
Mixer - Number	0.192	0.418	0.0%	0.0%	0.8%	13.8%	78.2%	19.2%	0.05553	0.10725	-0.02553	
Bicycle - Number	0.060	0.280	0.0%	0.1%	1.1%	4.6%	23.4%	6.0%	0.02791	0.09376	-0.00600	
Motorcycle - Number	0.020	0.146	0.2%	0.7%	1.3%	2.4%	5.1%	2.0%	0.01011	0.06808	-0.00137	
Car - private - Number	0.153	0.406	0.6%	5.1%	13.3%	19.2%	38.3%	15.3%	0.02948	0.06153	-0.01114	
Car - taxi - Number	0.045	0.220	0.6%	2.7%	4.9%	6.0%	8.3%	4.5%	0.00905	0.03935	-0.00184	
Dish - Number	0.053	0.227	0.0%	0.0%	0.0%	1.0%	24.4%	5.3%	0.03614	0.15081	-0.00850	
If household works own or family's agric. land	0.252	0.434	35.9%	36.3%	33.1%	16.9%	4.0%	25.2%	-0.02205	-0.03802	0.01279	
Number of members per sleeping room	3.634	2.023	4.4	3.9	3.6	3.5	3.0	3.6	-0.01591	0.02072	0.02859	
If piped drinking water in residence	0.338	0.473	0.1%	5.0%	25.5%	61.6%	78.4%	33.8%	0.04704	0.06579	-0.03363	
If water pipe in yard, plot	0.062	0.241	6.1%	9.0%	11.5%	4.2%	0.6%	6.2%	-0.00908	-0.03537	0.00233	

If drinking water from artesian well	0.103	0.304	14.3%	14.7%	13.7%	7.7%	1.3%	10.3%	-0.01261	-0.03723	0.00427
If has a well in residence	0.225	0.418	44.4%	38.0%	21.6%	6.1%	1.2%	22.5%	-0.02800	-0.05188	0.01511
Drinking water from a spring	0.116	0.320	25.2%	20.1%	9.5%	2.0%	0.2%	11.6%	-0.02023	-0.05580	0.00733
If uses river, canal or surface water for drinking	0.054	0.226	5.8%	9.4%	9.7%	2.0%	0.4%	5.4%	-0.00976	-0.04087	0.00233
If buys bottled drinking water	0.042	0.200	0.2%	0.4%	1.1%	6.1%	12.9%	4.2%	0.01891	0.09055	-0.00395
If water from car (truck)	0.046	0.209	2.3%	2.2%	5.5%	8.8%	4.6%	4.6%	0.00334	0.01528	-0.00073
Drinking water from neighbor	0.010	0.101	0.8%	1.1%	1.5%	1.6%	0.4%	1.0%	-0.00153	-0.01491	0.00016
Other source of drinking water	0.003	0.057	0.8%	0.3%	0.2%	0.1%	0.1%	0.3%	-0.00276	-0.04814	0.00016
If uses modern flush toilet	0.132	0.338	0.0%	0.2%	2.9%	12.9%	48.3%	13.2%	0.04104	0.10535	-0.01599
If uses modern flush toilet disconnected from sewer	0.080	0.271	0.2%	1.8%	3.7%	13.6%	20.6%	8.0%	0.02256	0.07656	-0.00665
If uses a traditional pit toilet	0.184	0.387	9.1%	27.3%	29.7%	20.9%	6.6%	18.4%	-0.00819	-0.01727	0.00388
If has VIP latrine	0.191	0.393	2.4%	14.7%	23.2%	36.4%	21.1%	19.1%	0.00963	0.01983	-0.00468
If uses an uncovered pit toilet	0.103	0.304	6.8%	13.9%	17.1%	11.5%	3.2%	10.3%	-0.00680	-0.02006	0.00231
If uses bush,field as latrine	0.308	0.462	81.3%	42.0%	22.9%	4.4%	0.2%	30.8%	-0.04005	-0.05996	0.02675
If other type of latrine	0.002	0.043	0.2%	0.0%	0.5%	0.3%	0.0%	0.2%	-0.00108	-0.02494	0.00005
If has dirt, sand, dung as principal floor in dwelling	0.293	0.455	54.1%	47.2%	30.0%	12.4%	1.5%	29.3%	-0.03140	-0.04879	0.02021
If has stone, dung floor	0.105	0.306	12.3%	15.7%	13.0%	8.3%	3.2%	10.5%	-0.00979	-0.02865	0.00335
If has gypsum floor	0.025	0.156	0.3%	1.1%	1.4%	4.6%	5.2%	2.5%	0.00866	0.05404	-0.00139
If rudimentary wood planks for flooring	0.001	0.029	0.0%	0.0%	0.0%	0.1%	0.3%	0.1%	0.00250	0.08617	-0.00007
If has parquet or polished wood floors	0.107	0.309	0.0%	0.0%	0.5%	7.5%	43.6%	10.7%	0.04368	0.12618	-0.01512
If has marble floor	0.000	0.022	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	0.00295	0.13663	-0.00006
If has cement principal floor	0.379	0.485	7.3%	26.9%	49.6%	63.9%	45.6%	37.9%	0.01551	0.01986	-0.01211
If has other type of flooring	0.000	0.010	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.00028	-0.02914	0.00000
Dwelling is apartment	0.072	0.259	0.2%	1.2%	2.0%	8.0%	24.1%	7.2%	0.02728	0.09764	-0.00762
Dwelling is free-standing house	0.846	0.361	75.2%	90.6%	93.6%	89.7%	75.7%	84.6%	-0.00589	-0.00251	0.01381
Dwelling is hut	0.060	0.237	22.5%	5.3%	0.8%	0.1%	0.0%	6.0%	-0.01810	-0.07164	0.00457
Dwelling is sandaka	0.014	0.118	0.5%	1.6%	2.8%	2.2%	0.2%	1.4%	-0.00199	-0.01671	0.00024
If other type of dwelling	0.007	0.085	1.6%	1.2%	0.7%	0.1%	0.0%	0.7%	-0.00484	-0.05644	0.00041
Owns dwelling by self	0.799	0.401	70.1%	86.2%	89.1%	78.7%	76.4%	79.9%	-0.00051	-0.00025	0.00101
Rents dwelling	0.099	0.299	2.8%	3.4%	4.0%	17.1%	22.3%	9.9%	0.01846	0.05563	-0.00612
Dwelling with no rent	0.013	0.111	1.0%	1.5%	1.9%	1.1%	0.9%	1.3%	-0.00093	-0.00825	0.00010
Other ownership of dwelling	0.000	0.019	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.00096	0.04954	-0.00002
Kitchen in residence	0.704	0.456	36.2%	64.9%	73.5%	83.6%	95.5%	70.4%	0.02982	0.01932	-0.04601
Kitchen outside residence	0.243	0.429	52.9%	29.2%	21.8%	11.8%	4.2%	24.3%	-0.02640	-0.04662	0.01495
Water in residence	0.379	0.485	1.6%	9.9%	32.4%	66.9%	80.6%	37.9%	0.04526	0.05788	-0.03538
Water outside residence	0.620	0.485	98.3%	90.0%	67.4%	33.1%	19.4%	62.0%	-0.04518	-0.03538	0.05769
Lighting from government	0.371	0.483	0.0%	1.9%	19.5%	69.5%	95.4%	37.1%	0.05805	0.07551	-0.04463
Lighting from cooperative	0.032	0.177	0.0%	2.0%	7.4%	6.8%	0.8%	3.2%	-0.00049	-0.00270	0.00009
Lighting from private company	0.039	0.193	0.1%	3.1%	9.6%	6.4%	1.2%	3.9%	-0.00119	-0.00594	0.00024
Lighting from generator	0.028	0.164	0.0%	1.1%	6.0%	5.5%	1.8%	2.8%	0.00153	0.00907	-0.00026
Lighting from gas	0.080	0.271	5.0%	15.0%	15.8%	4.4%	0.5%	8.0%	-0.01036	-0.03515	0.00306
Lighting from kerosene	0.441	0.496	94.0%	75.1%	40.2%	7.1%	0.3%	44.1%	-0.04994	-0.05628	0.04432
Lighting from other source	0.001	0.037	0.1%	0.2%	0.3%	0.1%	0.0%	0.1%	-0.00144	-0.03854	0.00005
Animals kept in the HH	0.232	0.422	28.3%	32.4%	31.2%	18.5%	6.5%	23.2%	-0.01651	0.00908	0.00908

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.

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Annex B: Assets and Factor Scores

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-0.85434
second	-0.85434	-0.52891
middle	-0.52891	-0.04496
fourth	-0.04496	0.83911
richest	0.83911	highest