



SAMPLING DESIGN

FOR CAMBODIA SOCIO-ECONOMIC SURVEY 2003-04

C S E S

by
Seng Soeurn



Sampling Design

A nationwide representative sample of 15,000 households within 900 sampling units (villages).

- Divided into 15 monthly representative samples of 1000 households in 60 villages.

20 h/h per rural village
10 urban ..

Handwritten signature

Sampling Design



- And at the end of the 15 months, reliable estimates can be produced for 11 individual provinces.
- Other 13 provinces in 3 groups according to zone.

Sampling Design



Population Frame

- The 1998 Population Census of Cambodia is used as sampling frame.

Sampling Design



- **The Second Stage is a Enumeration Area (EA) Selection**

Sampling Design



- **The third Stage is Household Selection**
 - With check of borders of enumeration areas.
 - New household listing is done
 - 20 households in rural and
 - 10 households in urban areas.

Table 2 - Distribution of Sample Village and Household by Province

Code and Name of Provinces	Sample of 900 villages			Sample of 15000 household		
	Urban	Rural	Total	Urban	Rural	Total
01 Banteay Meanchey	17	30	47	170	600	770
02 Battambang	24	39	63	240	780	1020
03 Kampong Cham	8	98	106	80	1960	2040
04 Kampong Chhnang	7	24	31	70	480	550
05 Kampong Speu	7	35	42	70	700	770
06 Kampong Thum	12	31	43	120	620	740
07 Kampot	8	32	38	80	840	700
08 Kandal	9	63	72	90	1260	1350
09 Kaoh Kong	5	6	11	50	120	170
10 Kraohh	14	11	25	140	220	360
11 Mondol Kiri	1	1	2	10	20	30
12 Phnom Penh	90	25	115	900	600	1400
13 Preah Vihear	4	6	9	40	100	140
14 Prey Veng	10	69	69	100	1180	1280
16 Pursat	10	19	29	100	360	460
16 Rattanak Kiri	3	4	7	30	80	110
17 Slem Reab	19	34	53	190	680	870
18 Sihanouk Ville	28	0	28	280	0	280
19 Stung Treng	4	3	7	40	60	100
20 Svay Rieng	4	30	34	40	600	640
21 Takeo	7	48	55	70	960	1030
22 Oddar Meanchey	4	3	7	40	60	100
23 Krong Keb	5	0	5	50	0	50
24 Krong Pallin	4	0	4	40	0	40
Total	300	600	900	3000	12000	15000

Sampling Design

- Practically zero non-response (16 households out of 15000)
- Weights for achieved sample constructed to correspond to 1998 census population structure
 - * Province
 - * Urban/ Rural
 - * Age and Sex

why?