

Sampling Design:

1. Sampling Frame:

The sampling frame was taken from the listing of Non-Profit Institution Serving Households (NPISHs) 2008 which is prepared by CBS. All NPISHs was collected from 75 districts of country. Total number of NPISHs by 1 digit ICNPO groups is 11,863 as below:

Table 1: Distribution of NPISHS by ICNPO groups.

ICNPO code	ICNPO group	Number of NPISHs
1	Culture and Recreation	1,303
2	Education and Research	811
3	Health	508
4	Social services	5,255
5	Environment	771
6	Development and Housing	1,272
7	Law, Advocacy and Politics	777
8	Philanthropic intermediaries and Voluntarism promotion	67
9	International activities	4
10	Religion	1,090
11	Business and Professional associations, Unions	0
12	Not else where classified	5
Total		11,863

2. Stratification:

In this survey, Nepal was stratified into three ecological belts: Mountain, Hills and Tarai. The distribution of NPISHs by ICNPO groups of strata is given in Table 2.

Table 2: Distribution of NPISHs by ICNPO groups for Ecological belts and Development region.

Ecological Belt	Development Region	NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Mountain	Eastern	35	24	6	137	45	75	26	1	0	62	0	411
Mountain	Central	35	5	3	143	17	8	7	8	0	31	1	258
Mountain	Western	3	7	0	29	3	1	1	0	0	1	0	45
Mountain	Mid Western	5	8	6	76	2	30	13	0	0	0	0	140
Mountain	Far Western	3	4	0	28	5	22	8	2	0	1	0	73
Total		81	48	15	413	72	136	55	11	0	95	1	927

Ecological Belt	Development Region	NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Hills	Eastern	137	56	16	517	90	136	125	7	0	100	0	1184
Hills	Central	477	214	193	1413	123	198	135	23	3	246	1	3026
Hills	Western	58	73	49	476	77	116	86	4	0	40	0	979
Hills	Mid Western	114	46	14	276	65	99	64	2	0	9	0	689
Hills	Far Western	20	22	27	92	13	31	23	2	0	12	0	242
Total		806	411	299	2774	368	580	433	38	3	407	1	6120

Ecological Belt	Development Region	NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Tarai	Eastern	96	62	32	661	67	127	45	14	0	261	3	1368
Tarai	Central	113	149	87	834	161	190	100	4	1	154	0	1793
Tarai	Western	58	19	24	213	19	92	33	0	0	48	0	506
Tarai	Mid Western	126	88	22	310	60	69	41	0	0	109	0	825
Tarai	Far Western	23	34	29	50	24	78	70	0	0	16	0	324
Total		416	352	194	2068	331	556	289	18	1	588	3	4816

3. Determination of sample size:

Estimation of sample size (n) is computed by

$$n = \frac{z^2 pq N_s}{e^2 (N_s - 1) + z^2 pq}$$

Where,

e = acceptable error and let the estimate should be within 5% of the true value.

z = 1.96 as pre table of area under normal curve for the given confidence level of 95%.

p = q = 50%, let there is no information available from past data.

N_s = number of NPISHs of strata.

$$n = \frac{(1.96)^2 * (0.5) * (0.5) * N_s}{(0.05)^2 (N_s - 1) + (1.96)^2 * (0.5) * (0.5)}$$

The estimation of sample size (n) is given in table 3.

Table 3: Distribution of Sample size of Ecological Belt.

Strata	Ecological Belt	Number of NPISHs (N _s)	Sample size(n)
1	Mountain	927	272
2	Hills	6120	362
3	Tarai	4816	356
Total		11863	990

4. Sample Allocation Scheme:

The size of sample allocated to each stratum according to the proportion of strata population. The following table 4 is given the sample size of the strata.

Table 4: Distribution of sample size of NPISHs by ICNPO groups for Ecological belts and Development region.

Ecological Belt	Development Region	Sample size of NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Mountain	Eastern	10	7	2	40	13	22	8	1	0	18	0	121
Mountain	Central	10	2	1	42	5	2	2	1	0	8	1	74
Mountain	Western	1	2	0	8	1	1	1	0	0	1	0	15
Mountain	Mid Western	2	2	2	22	1	9	3	0	0	0	0	41
Mountain	Far Western	1	1	0	8	1	6	2	1	0	1	0	21
Total		24	14	5	120	21	40	16	3	0	28	1	272

Ecological Belt	Development Region	Sample size of NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Hills	Eastern	8	3	1	29	5	8	7	1	0	6	0	68
Hills	Central	28	13	11	83	7	12	8	1	1	15	1	180
Hills	Western	3	4	3	27	5	7	5	1	0	2	0	57
Hills	Mid Western	7	3	1	16	4	5	4	1	0	1	0	42
Hills	Far Western	1	1	2	5	1	2	1	1	0	1	0	15
Total		47	24	18	160	22	34	25	5	1	25	1	362

Ecological Belt	Development Region	Sample size of NPISHs by ICNPO groups											
		1	2	3	4	5	6	7	8	9	10	12	Total
Tarai	Eastern	6	5	2	49	5	9	3	1	0	19	1	100
Tarai	Central	7	11	6	62	12	14	7	1	1	11	0	132
Tarai	Western	5	1	2	16	1	7	2	0	0	4	0	38
Tarai	Mid Western	9	7	2	23	4	5	3	0	0	8	0	61
Tarai	Far Western	2	3	2	4	2	6	5	0	0	1	0	25
Total		29	27	14	154	24	41	20	2	1	43	1	356

The sampling units were drawn from simple random sampling without replacement by using complex sample facility of SPSS package. Total sample size was around 8.35 % of total number of NPISHs by ICNPO groups.