

Appendix 5.1

Sampling requirement by size population (Yamane, 1967)

Size of population	Sample size (n) for precision (e) of					
	=1%	=2%	=3%	=4%	=5%	=10%
500					286	91
1 000				385	286	91
1 500			628	441	316	94
2 000			714	476	333	96
2 500		1 250	769	500	345	96
3 000		1 364	811	517	353	97
3 500		1 458	843	530	359	97
4 000		1 538	870	541	364	97
4 500		1 607	891	549	370	98
5 000		1 667	909	556	370	98
6 000		1 765	938	566	375	98
7 000		1 842	976	574	381	99
8 000		1 905	976	580	383	99
9 000		1 957	989	584	383	99
10 000	5 000	2 000	1 000	588	385	99
15 000	6 000	2 143	1 034	600	390	99
20 000	6 667	2 222	1 053	606	392	100
25 000	7 143	2 273	1 064	610	394	100
50 000	8 333	2 381	1 087	617	397	100
100 000	9 091	2 439	1 099	621	398	100
> 100 000	10 000	2 500	1 111	625	400	100

* for the population of more than 100 000 with 96% confident level (4% precision), the appropriate samples are 625.