## An Example



## Probabilistic Sampling - cont'd

## 2. Systematic Sampling Method:

Systematic sampling is sampling in which individuals are selected from a list by taking every kth name. If $\mathrm{k}=4$, selection involves taking every 4th name, if k=10, every 10th name, and so forth. What $k$ actually equals depends on the size of the list and the desired sample size.
In other words, a sample is drawn by arbitrarily choosing a beginning point in a list and then sequentially selecting every $k$ th element from the list.

## Steps in Systematic Sampling

1. Define the population.
2. Determine the desired sample size.
3. Obtain a list (preferably randomized) of the population.
4. Determine what $k$ is equal to by dividing the size of the population by the desired sample size.
5. Select some random place at the top of the population list.
6. Starting at that point, take every kth name on the list until the desired sample size is reached.
7. If the end of the list is reached before the desired sample is reached, go back to the top of the list and follow steps 5 through 7.
