## Notation

 $h = 31, 2, \dots H3$ 

Un = Index set for stratum h

Uh = 31,2,.. Mn3

Nh = # of OUS in stratum h

•  $N = N_1 + N_2 + \cdots + N_H$  cpopulation size)

Nh = # of Sampling units from Stratumh

Sh = Index Set for sample in Stratum h

- · n = ni+nz+.. nH (sample size)
- · Response variable

This = characteristic of interest for ous in stratum h  $\frac{population parameters}{t_h = \sum_{j=1}^{N_h} Y_{hj} = population total}$   $\overline{n} = \sum_{j=1}^{N_h} Y_{hj} = population total$ t = \$\frac{\f{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fra 初二十二点数约 population stratum variance  $S_{h}^{Nh} = \frac{N_{h}}{A} \left( \frac{Y_{h}}{Y_{h}} - \frac{Y_{uh}}{Y_{uh}} \right)^{2}$   $\frac{1}{N_{h}} = \frac{N_{h}}{A} \left( \frac{Y_{h}}{Y_{h}} - \frac{Y_{uh}}{Y_{uh}} \right)^{2}$