

Stat 6108

PPT-2 Additional Attachment :

Supplement to Slide No. 45 of PPT-2 (and Q.3 of Assignment 1)

For the general formula for calculating the standardized death rate, $\frac{\sum_i n_i r_i}{P}$ and

$\frac{\sum_i n_i r_i^*}{P}$, n_i is to be taken to refer to any age group or sub-group within an age group.

Thus, we can take sex as the sub-group divisor, i.e. $n_{i,male}$ and $n_{i,female}$ each can be called an " n_i ".

To facilitate simpler and clearer presentation for the application of the formula, we

can have the general formula written using: $\frac{\sum_i \sum_j n_{ij} r_{ij}}{P}$ and $\frac{\sum_i \sum_j n_{ij} r_{ij}^*}{P}$,

where $i=\text{sex}$, $j=\text{age group}$ and $P = \sum_i \sum_j n_{ij}$