

## Using weights in HLM

### Availability of weighting options

HLM offers the user the option to use weight variables in the linear models specified in HLM2 and HLM3. In the case of a 2-level model, both level-1 and level-2 weights may be specified using the **Estimation Settings** option on the **Other Settings** menu. For a 3-level model, weights can be supplied at each level of the hierarchy. No weighting options are available for the multivariate and cross-classified models fitted using HMLM, HMLM2, and HCM2.

It is important to note that weighting is specified at the time of analysis, and would thus only apply to the model fitted at that point. For a new model based on the same MDM file, the **Estimation Settings** option should be used again to re-specify any weighting scheme for the new model. The first page of the HLM output file will provide information on the weighting scheme, if selected prior to the analysis.