

## Group X has inadequate data

### Description of the problem

This message appears after the **Make MDM** button is clicked. It is listed in the DOS box that appears on the screen during the MDM file creation process when listwise deletion of records with missing data is requested at the MDM file creation stage of the analysis. The groups listed in the DOS box have insufficient data, and are not included in the MDM file. This is usually a function of the inclusion of a large number of variables in the data file with a large number of missing data values.

### Solution

Check the structure of the particular level-2 units listed and the distributions of the level-1 variables. If there are no valid data points for a level-2 or level-3 unit when doing simple frequencies with a listwise deletion option in a statistical package, that unit will be one of those deleted when the MDM file is created. It can be remedied by removing the variable(s) with the most missing data, or else imputing the missing values for these variables. A list of such units is also printed to the \*.sts file, which may be accessed using the **Check Stats** button in the **Make MDM** dialog box.