Data Management

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| **Overview of Analysis Issues** | **Overview of Analysis Solutions** |
| Necessary skills | Analysis by statistician |
| Inappropriate analysis methods | Analysis determined during planning stages |
| Drawing unbiased inferences | Appropriate number of subjects |
| Avoiding subgroup analysis | Subgroup analysis proposed initially |
| Unacceptable norms for the discipline | Use of conventional norms |
| Determining statistical significance | Reporting of practical or clinical significance or both |
| Lack of clearly defined outcome measures | Clearly defined outcome measures |
| Dishonest and inaccurate analysis | Inclusion of outliers and not altering data |
| Presentation of data | Maintain paper trail of how data was manipulated |
| Contextual issues | Report dynamics of the data collection |
| Data recording methods | Careful recording of data |
| Training of staff | Supervise staff for consistency |
| Reliability and validity | Consistently demonstrate stability, reproducibility or accuracy of data analysis |