

DQA Process Flowchart

1. Review the Data Quality Objectives and Sampling Design

Review the DQO outputs to assure that they are still applicable.
Review the sampling design and data collection documentation for consistency with the DQOs.



2. Conduct a Preliminary Data Review

Review quality assurance reports, calculate basic statistical quantities and generate graphs of the data. Use this information to learn about the structure of the data and identify patterns, relationships, or potential anomalies.



3. Select the Statistical Test

Select the most appropriate for summarizing and analyzing the data, based on the preliminary data review. Identify the key underlying assumptions that must hold for the statistical procedures to be valid.



4. Verify the Assumptions of the Statistical Test

Evaluate whether the underlying assumptions hold, or whether departures are acceptable, given the actual data and other information about the study.



5. Draw Conclusions from the Data

Perform the calculations required for the statistical test and document the inferences drawn as a result of these calculations.
If the design is to be used again, evaluate the performance of the sampling design.