

## UK University Case Study

### UK UNIVERSITY USES SAS FOR SEQUENTIAL TRIALS

#### The Challenge

A department of this UK University wanted to update and upgrade their existing SAS/AF® application from version 6.12 to version 8. The application allows the design, simulation, monitor and analysis of sequential clinical trials data and is currently used by several pharmaceutical companies. Some of the upgrades required included better and more flexible reporting capabilities.

#### The Solution

The new front end was redesigned to be flexible and easier to use, minimising any future time required in adding new functionalities. Reporting was improved by fully exploiting the SAS Output Delivery System. The technologies used were SAS Base, SAS/AF, SAS/GRAPH, SAS/STAT, SAS/IML and SAS/Toolkit.

#### The Results

A new, more efficient and dynamic version 8 SAS/AF clinical trial application was delivered. It allows the user to work with a variety of designs such as triangular, restricted procedure and safety monitoring, as well as specifying a range of response types including: binary, normal, ordinal and survival. Detailed reports and graphs can be output at all stages and can be exported to Microsoft Excel.

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