

Data Services: Industry Expertise Solves CNS Research Challenges

Researchers at a pharmaceutical company working on a novel sleep study needed software that could derive custom physiologic parameters from their CNS data. DSI Data Services team addressed the company's challenges by creating an affordable custom macro to use with NeuroScore™. The researchers were able to analyze multiple CNS parameters and complete the study on time. A collaborative approach facilitated trust and yielded a high-quality, customized solution. The pharmaceutical company was pleased and has continued to use the data services team for study analysis.

THE CHALLENGE. Researchers at a large pharmaceutical company discovered that they were no longer able to derive specific CNS parameters needed to complete their study. They were using a software program developed by an employee, but when that person left the company, no one else had the knowledge to use the program. With the study and associated timeline now at risk, they quickly set out to find a new software platform that could gather and analyze multiple parameters needed for completing the study.

Delivering an affordable customized solution saved valuable time and kept the customer's study on schedule. The customer is pleased that their entire team can use the solution to analyze multiple CNS parameters on this and future studies as well. DSI is valued partner; one the pharmaceutical company continues to work with today.

THE SOLUTION. DSI Data Services team consulted with the company's Senior Scientist and together they determined that a custom Excel® macro program would allow them to analyze additional CNS parameters in conjunction with NeuroScore. DSI quickly jumped into action and designed a macro to address the customer's unique needs, which included automation features for ease of use and reproducibility.

THE OUTCOME. The customer was very satisfied with the collaboration, quality and promptness of the work provided by the Data Services team. Benefits of the macro included:

- An estimated average time savings of 6-8 hours per study
- Features for calculating derived parameters, performing data reductions, and providing treatment group mean values
- One-step data transfers to a common graphing platform
- Automation features designed to eliminate costly errors and reduce time needed for training and overall maintenance
- Data reproducibility achieved from custom macro, usable by the entire team