

# POSTER ABSTRACTS

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## Information Technology 05

### Go Codeless...Explore Your SAS Data with a Point and a Click

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**Background:** Producing useful output from SAS datasets often requires programmer time, a scarce resource. A method for producing basic descriptive output of study data without SAS programming is needed to improve research team efficiency and efficacy.

**Methods:** A secure ASP.NET web application was constructed using Microsoft® Visual Basic .NET and Microsoft® Visual Studio® .NET. The web-based user interface facilitates production of dataset and variable listings, one-way variable frequencies, two-way cross tabulations, univariate statistics, and inter-table cross tabulations using live research study data stored as SAS datasets. Outputs are easily printed, saved, and distributed as standalone files.

**Results:** Giving research staff direct access to collected data has reduced wait time in use of the data, and has allowed for more exploratory 'what if' analysis compared to traditional methods that involved programming staff.

**Conclusions:** Web-based access to SAS data has increased the speed and extent to which research data can be used by investigators. Building a front-end for staff use has allowed staff without SAS programming knowledge to work with the data. Retaining SAS as the data storage format allows this application to be a natural extension of the existing programming process, rather than requiring a separate set of analysis datasets.