Integrating a Web-Based Self Interview with DataFax CRF Data in Risk Behavior Assessments

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The Challenge

• Several new protocols have as Primary Objectives the analysis of “High Risk Behaviors”
• SCHARP needed a tool that would confidentially collect data directly from participants
• Searched for an ACASI (Audio computer-assisted self-interview) for collection of behavioral risk assessments
The Solution

- We found that Dat•Stat Illume can provide study sites with a web-based survey system that allows participants to privately answer sensitive questions via a laptop computer.

Dat•Stat Illume

- Software for creating web-based surveys
- Easy to use Survey Designer
- Organized into Collections
  - Questions can be randomized, required, skipped
- Options for
  - Internal variables (not saved in data set)
  - Calculated variables
  - Quality checks
  - Custom expressions ((\text{IF A AND (B OR C)})
- Text and audio can be provided in English and translated languages.
Dat•Stat Illume – Details

- The native storage for Illume is Microsoft SQL
- The Illume Web Console will export data to a variety of formats, including Microsoft Excel, SAS, SPSS, HTML, text, and XML.
- Components available in Illume:
  - Dat Stat Server – houses the data and allows connection via the internet to use Illume software locally
  - Illume Clients used to create surveys, preview, create pdfs, and collect data from participant in disconnected mode
  - Web Console to add PTIDs, export data, etc.
  - SDK (Software Development Kit) can be used to develop virtually anything you want based on Illume

Dat•Stat Illume & Clients
Demo Survey

Lets take a look at a Survey…
Intro Text

Mark All That Apply

Which items do you like to eat on a salad? Choose all that apply.

- Cheese
- Croutons
- Salad Dressing
- Carrots
- Bacon Bits
- Tomatoes
- Sprouts
Select One

- Do you like Summer?
  - Yes
  - No

Select One – Pop List

- What is your favorite color?
Select One – Pop List

Question Table
Illume Survey Designer

Create a new survey element from the Survey Menu or the Icon Bar.

Once an element has been created it can be edited by double clicking.
Illume Survey Designer

Once a survey item is created or opened to edit, the Question Editor window opens. Tabs in the editor window present various design features.

General Tab

The General Tab is where the question is written and the display type is selected.
Response Options Tab

Response Options is where the data type & checkboxes are set up. Specify text boxes can be added and responses can be randomized.

Display Properties Tab

Display Properties like item labels, text width, and checkbox style can be selected. Labels can be anchored if the items have been randomized.
Display Properties Tab

Display Properties like item labels, text width, and checkbox style can be selected.

Labels can be anchored if the items have been Randomized.

The checkbox style can be selected.

Response Guides Tab

Data Dictionary Tab

Data Dictionary is where a Unique Name is given to the item.

Show-If Logic – Simple

Show-If Logic can be set to require items & collections based on previous responses.
Show-If Logic – Skipped Question

Show-if Logic can be set to ‘skip’ items and collections based on previous responses

Show-if Logic – Complex
Conclusions

- Dat Stat Illume software has allowed SCHARP to create a web-based survey to capture sensitive behavioral data
- The flexibility and design features make it easy to use for both SCHARP and study sites
- We have been able to integrate the Illume data with that received from DataFax CRFs

Questions?

Thank You.

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