

## **Replacing Manipula in Blaise 5**

Siu Wan and Ryan Webb, Westat

We have done a lot of tricky things in Blaise 4 by calling Manipula procedures from within the instrument that the data model alone cannot handle, e.g., showing dialog, calling third-party program and importing its output into the in-memory data of the ongoing interview, starting different instruments in order, etc. In Blaise 5, a lot of these can be achieved in the resource database. Although Blaise 5 Manipula is still a very powerful tool, Manipula process scripts cannot be used in browsers. This paper discusses how, with the resource database, we fortunately can have similar flexibility in browsers.