Rolling Out Blaise 5

An Interesting Journey

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Outline

- Evaluation Team
- Key Features and Requirements
- Look and Feel
- Blaise Server
- Windows and Web Versions
- Android App Version
- Features that need additional review/tweaks/testing
- Features we are waiting for
- Next Steps
- Conclusion
Evaluation Team

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Key Features and Requirements

- Questionnaire Features
- Compatible with Blaise 4 source code
- Program once, deploy in all modes/devices
- Good user experience
- Easy deployment
- Cloud support
- Calling external applications
- ACASI and CARI
- GPS and other sensors
- Audit trail
- Integrate with RTI’s CMSs

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<th>Grid</th>
<th>Slider</th>
<th>Lengthy R.O.</th>
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How sure are you that, if you really wanted to, you could say no to smokeless tobacco if...

A very close friend offers it?

A family member offers it?

You are at a party where most people are using it?

Someone you know offers it?
Look and Feel

- RTI default template started with the template provided and adjusted colors, fonts, etc.
- Experimented with touch screen version
  - Respondent can select the image or the checkbox
  - Respondents tried to swipe up/down and shrink with fingers
  - Virtual keyboard took more space than expected
Blaise Server

- Web surveys
  - Everything is automatic
  - Each survey gets its own subsite
- Mobile Device Surveys
  - Uses port 8033 (HTTPS)
- Server Firewall
  - Open ports 443 and 8033
  - Port 8031 for intra-server park communication
- Lessons Learned
  - Need support from infrastructure staff
Windows and Web Versions

- **Windows Version**
  - Adapted to RTI’s IFMS
  - Used API to launch RTI’s Text-to-Speech

- **Web Version**
  - Used production version in GovCloud
Adapted to RTI’s Android CMS

- Used APIs to
  - Install instruments
  - Download cases
  - Launch interview
  - Upload data back to RTI

The next questions are about smokeless tobacco, such as dip, chewing tobacco, snuff, or snus. Common brands include Copenhagen, Grizzly, Skoal, Camel Snus, Kodiak, and Longhorn.

Have you ever used smokeless tobacco even just a small amount?
Caveat: Some of these might have been corrected recently.

- **CARI:**
  - Tested briefly on laptops
  - Need to test on Android app version

- **Instrument Updates:**
  - If Data is in a SQL database
  - If web interview is in production
  - Offline app version which might have data in old format

- **ACASI:**
  - If the question text has fills, ACASI needs to play multiple MP3 files in sequence

- **Range checks:**
  - If the numeric response is longer than the allowed field, Blaise 5 truncates the response rather than flagging an error
Features we are waiting for…

- **Android app:**
  - Delete specific cases from local device once the data is in house (Needs testing)
  - Transfer partially completed cases from one FI to another

- **Double Key verification:**
  - This feature is critical for RTI

- **Randomization of responses and questions:**
  - This has become common in a lot of CAI software now

- **Automated testing tool:**
  - This is a wish list item but it is becoming increasingly critical
Next Steps

- Finalize RTI’s standard version of the Resource Database
- Test ACASI and CARI on all devices
- Test updating instruments after the start of data collection
- Do production testing of Blaise 5 for laptops on a project (Jan 2019)
- Do production testing of Blaise 5 for Android apps on a project
Program once and deploy in all modes/devices
Customizable for better User Experience
Feature rich
Powerful logic engine
Hooks for external programs
Blaise 5 might be the answer!
Thank you for listening!

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Disclaimer: This presentation is simply to report on our findings from the evaluation of Blaise 5. It should not be construed as an endorsement as RTI International does not endorse any software or product.