

# Improving Interviewer Performance Using CARI

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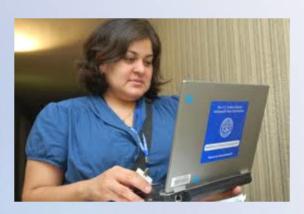
#### Outline

- CARI and Interviewer Performance
- RTI Coaching
- Behavior Coding, QA, and Coaching
- BOC System
- Future



#### **CARI** and Interviewer Performance

- Gain awareness of performance
- Spot trends in performance
- Provide evidence for feedback
- Measure response to training
- Identify targeted needs
- Objective comparisons across interviewers and survey modes





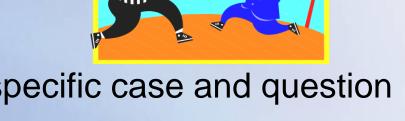
#### CARI and Interviewer Performance

- Census Bureau field test for Coaching will start in May 2012.
- Expect situations such as the following:
  - Good job: Interviewer keeps respondent on task, in spite of environment (children, dogs, phone calls, television...)
  - Bad job: Interviewer stumbles over wording or omits words
  - Good job: Interviewer provides clear explanation to respondent question
  - Bad job: Interviewer cuts off the answer before the respondent is done talking



#### CARI and Interviewer Performance

- Useful for detecting many types of error
  - Authenticity
  - Interview errors
  - Protocol errors
  - Keying / Data entry

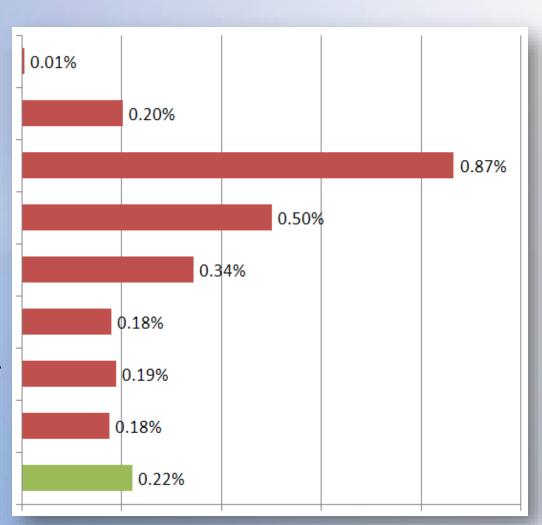


- Errors are linked to the specific case and question where they occurred
  - Isolated to a particular case, or seen in many cases
  - Specific to particular question, or seen repeatedly
  - Having data allows issues to be identified as one-time, occasional or frequent



## RTI Coaching: Error Detection

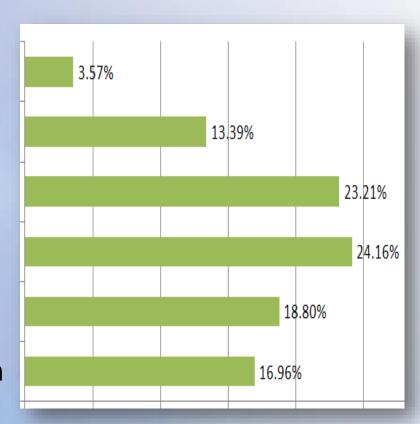
- Authenticity
- Keying errors
- Reading errors
- Probing errors
- Non-neutral feedback
- Presentation
- Unprofessional behavior
- Protocol errors
- Exceptional behavior





## RTI Coaching: Recognizing Good Performance

- Response to distress
- Response to difficult R
- Refusal conversion
- Difficult situation handled well
- FAQs used in exceptional way
- Superior interview administration





## Behavior Coding, QA, and Coaching

- The Census Bureau's CARI Interactive Data Access System contains 3 separate components:
  - Behavior Coding
  - Quality Assurance
  - Coaching
- Why? What's the difference?
- Largely due to needs of specific groups within Census
- Following slides will present basics of each





## **Behavior Coding**

- Focus on questionnaire
- Categories, groups and codes are about behaviors of Interviewer and Respondent
- Goal-specific rules
  - Codes can be select-one or select-all-that-apply
  - Groups can be coded multiple times
  - Handling of revisits
- Feedback to questionnaire designers





#### **Quality Assurance**

- Focus on data quality
- Categories, groups, and codes are
  - Standardized to allow comparison across surveys and modes
  - Interested in sources of potential survey error
  - Assigned point values for computing Quality scores
- Goal-specific rules
  - Codes are select-one only
  - Must code all groups once, and once only
  - Authenticity rating
- Feedback to interviewers





## Coaching

- Focus on interviewer performance
- Categories, groups, and codes are
  - Very similar to Quality Assurance
  - Standardized to allow comparison across surveys
  - Somewhat broader to include interviewer behaviors not identified as sources of survey error (e.g. assessment of environment, use of job aids, etc.)
- Goal-specific rules
  - Codes are select-one only
  - Must code all groups once, and once only
- Feedback to interviewers

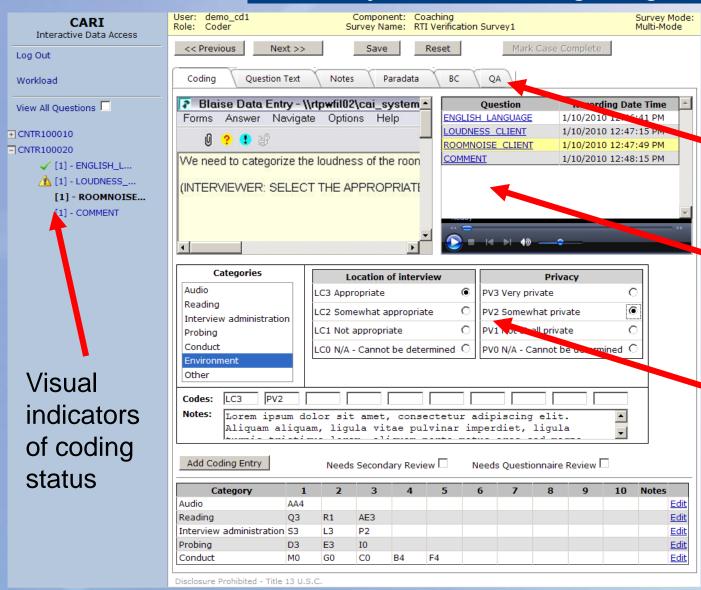


#### Coaching

- Each recording is evaluated as a unit
- Categories and groupings represent a "survey" of I-R interaction
- Most groupings are evaluated on a 4 point scale (sometimes with a 5<sup>th</sup> N/A option)
- Quality scores from groupings are rolled up to category, then to recording, then to interviewer



## BOC System: Coding Page



Tabs for easy access to information

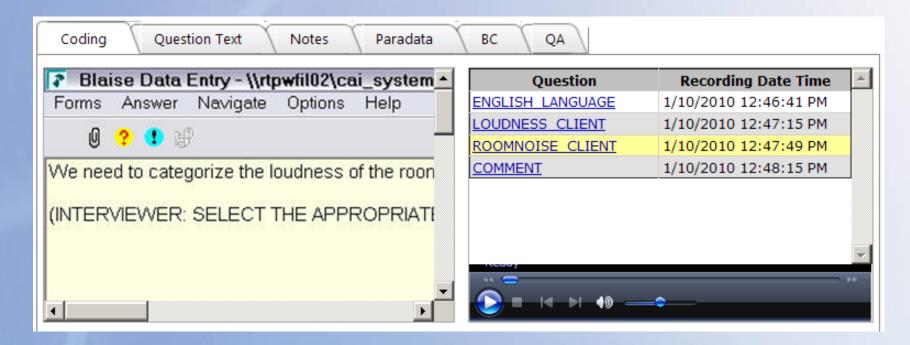
Blaise screen image and audio on top

Groups and codes below

Dense but convenient



#### **BOC System: Coding Page**



- Tabs for access to notes, case header info, results from other components
- Blaise screen image and audio playlist from entire case, to allow review of spillover discussions



## **BOC System: Coding Page**

Categories		Location of interview						Privacy							
Audio		LC3 Appropriate			•	PV3 Very private C									
Reading Interview administratio	_     [	LC2 Somewhat appropriate					PV2 Somewhat private								
Probing		LC1 Not appropriate					PV1 Not at all private								
Conduct	_     [	.C0 N/A	- Cannot	PV0 N/A - Cannot be determined O											
Environment Other												_			
Notes: LC3 PV2															
Add Coding Entry Needs Secondary Review Needs Questionnaire Review															
Category	1	2	3	4	5		6	7	8	9	10	Notes			
Audio	AA4												Edi		
Reading	Q3	R1	AE3										<u>Edit</u>		
Interview administration	S3	L3	P2										Edit		
Probing	D3	E3	10										Edit		
Conduct	MO	G0	C0	B4	F4								<u>Edit</u>		

Dynamic lists of coding groups, with a summary grid below



## **BOC System: Coaching Reports**

#### General:

- · Survey Configuration
- · Cases By Question
- · Review and Query Data

#### Alerts:

- · Cases Needing Secondary Review
- Authenticity Alert
- Interviewing Quality Alert
- Laptop Technical Alert
- · Questionnaire Review

#### Coding Management:

- Overall Status
- · Case Load By Coder
- Inter-Rater Reliability (IRR) Test Assignments
- Case Assignment History
- Restarted Cases
- Skipped Cases
- Multi-Site Coding Progress
- Monthly Review Completion for Survey
- Weekly Review Completion By Coaching Coder Overall
- · Weekly Review Completion By Coaching Coder Survey

#### Managing Interviewers:

- Team Summary
- Interviewer Performance
- Interviewer Detail

#### Coding Frequencies:

- Frequency of Codes By Case
- · Frequency of Codes By Coder
- · Frequency of Codes By Question
- · Frequency of Codes By Interviewer

#### Many reports available:

- General
- Alerts
- Coding Management
- Managing Interviewers
- Coding Frequencies



## **BOC System: Interviewer Detail Report**

User Role		emo_sp1 upervisor				Coaching RTI Verification Survey1					Survey Mode: Multi-Mode						
Rep	Report - Interviewer Detail																
Su	ırvey	Name: All		·61: 6			Int	v ID:		intv004	4	▼					
RTI_TST1 - RTI Verification Survey1						Inc	Include Multi-Intv Cases:										
								Filter									
<u> <u>Ir</u> </u>	<u>itv</u> [ <u>D</u>	<u>Control</u> <u>Num</u>	<u>Intv Site</u>	Multi- Intv	# Recordings	# Coded Recordings	% Coded Recordings		% Not Coded	Score	Environment Score	administration			Reading Score		
				<u>Cases</u> <u>Included</u>				For Reason	Recordings			<u>Score</u>					
intv	/004	CNTR100010	Philadelphia		2	2	100	2	100	71	50	71	81.50	66.50	58.50		
intv	004	CNTR100150	Philadelphia	Г	1	1	100	1	100	42	33	75	33	42	42		

- Report shows case-level detail with scores by category
- Team Summary report shows scores for multiple interviewers



#### **Future**

- Coaching system ready for field test
  - Based on extensive discussion with future users
  - User acceptance of requirements
  - Will support Regional Offices (field) and Telephone Centers
- Upcoming modifications to accommodate Regional Office restructuring
  - New user roles
  - Will support dynamic matrix reporting structure
- More enhancements based on user feedback



#### More Information

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