

## INTRODUCTION

Data collection instruments are frequently required to collect responses from all selected household members. This work addresses the problems and issues of conducting a household interview with multiple respondents per household within one Blaise instrument and presents a solution for household roster management in anticipation of different jumping scenarios from one selected member to another before all personal interviews within a household are completed.

## SURVEY MODULES:

**Front section:** to determine whether the correct sample address was contacted and to obtain a respondent who is at least 18 years old;

**Screener:** to collect basic demographic information about all people in the household and their interests in the survey subject;

**Sampling:** to select household members who participate in activities linked to the survey subject;

**Personal interview** (for each selected respondent, up to 25 sampled household members): to collect detailed information about a person's activities linked to the survey subject and to set up personal callback appointments;

**Back section:** to set up household appointments and collect contact information; finishing by thanking the respondent for the interview.

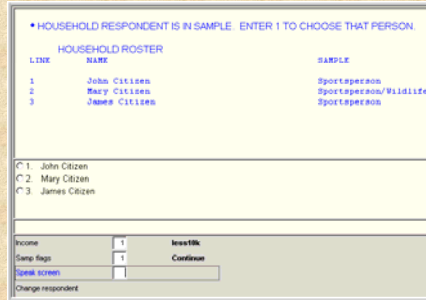
The interview data is stored at a household level and at person levels. The household interview is completed only after personal interviews of all sampled household members receive a status of complete.

## IMPLEMENTATION

Two parallel blocks were implemented to indicate two types of break-offs: one to break off the personal detailed interview and another one to break off the household interview. Each of these parallel blocks has a shortcut key associated with it. Household interview break off implementation in the .bla file:

```
IF Finish_The_Interview.Confirmation = Yes THEN
  Front_Section.KEEP
  Screener.KEEP
  Sampling.KEEP
  FOR B := 1 TO HH_COUNT DO
    Detailed_Interview[B].KEEP(B)
  ENDDO
ELSE
  Front_Section
  IF Screener.Completed <> Yes THEN
    Screener
    Sampling
  ELSE
    Screener.KEEP
    Sampling.KEEP
  ENDIF
  (proceed with detailed personal interviews)
  ...
ENDIF
Back_Section
```

To choose a respondent for the detailed personal interview, a menu field (Speak\_Menu) is created. All sampled household respondents are listed as response options.



Each of the selected respondents has a detailed personal interview module (Personal\_Interview block) assigned according to his/her Roster line number. IF-ELSEIF construction in the main parallel puts only one Personal\_Interview block on the route at a time:

```
IF RosterLineNumber = RESPONSE AND RosterLineNumber >= 1 AND
RosterLineNumber <= HH_COUNT AND
(Screener.Sampling[RosterLineNumber].SampleFlag IN [3,4,5]) AND
Screener.Roster.Persons[RosterLineNumber].PersonStatus = NotCompleted
THEN
  IF RosterLineNumber = 1 THEN
    NEWPAGE Personal_Interview[1](1)
    IF HH_COUNT >= 2 THEN
      FOR B := 2 TO HH_COUNT DO
        Personal_Interview[B].KEEP(B)
      ENDDO
    ENDIF
  ELSEIF RosterLineNumber >= 2 AND
  RosterLineNumber <= HH_COUNT AND HH_COUNT >= 2 THEN
    IF RosterLineNumber = 2 THEN
      NEWPAGE Personal_Interview[2](2)
    ELSEIF RosterLineNumber = 3 THEN
      NEWPAGE Personal_Interview[3](3)
    ...
    ELSEIF RosterLineNumber = 25 THEN
      NEWPAGE Personal_Interview[25](25)
    ENDIF
    PrevRosterLineNumber := RosterLineNumber - 1
    FOR B := 1 TO PrevRosterLineNumber DO
      Personal_Interview[B].KEEP(B)
    ENDDO
  IF HH_COUNT >= (RosterLineNumber + 1) THEN
    NextRosterLineNumber := RosterLineNumber + 1
    FOR B := NextRosterLineNumber TO HH_COUNT DO
      Personal_Interview[B].KEEP(B)
    ENDDO
  ENDIF
  ELSE
    FOR B := 1 TO HH_COUNT DO
      Personal_Interview[B].KEEP(B)
    ENDDO
  ENDIF
  ELSE
    FOR B := 1 TO HH_COUNT DO
      Personal_Interview[B].KEEP(B)
    ENDDO
  ENDIF
ENDIF
```

The KEEP statements are included in the IF-ELSEIF construction to avoid losing data when any particular personal interview is off-route.

As soon as any personal interview is completed, the name of this person is grayed out in the Speak\_Menu question text and response options. If a field interviewer chooses this person anyway, an error message comes up to indicate that this person is not eligible for the interview.



The interviewer can break-off the detailed personal interview with one respondent and initiate it with another available at the moment sampled person by pressing F9 key. This key is assigned to a parallel block, Finish\_Personal\_Interview.

```
IF Finish_Personal_Interview.Confirmation = Yes THEN
  SPEAK1.KEEP
  GetHunt.KEEP(MLineN,MName)
  NumHuntSt.KEEP
  HuntSpeciesNumber.KEEP
  FOR K := 1 TO NumHuntSt.DO
    BGSAR[K].KEEP(GetHunt.ArrHunt_st.HUNT_STATES[K].ORD,MLineN)
    SMSAR[K].KEEP(GetHunt.ArrHunt_st.HUNT_STATES[K].ORD,MLineN)
    MBSAR[K].KEEP(GetHunt.ArrHunt_st.HUNT_STATES[K].ORD,MLineN)
  ENDDO
  ...
  ELSE
    SPEAK1
    GetHunt(MLineN,MName)
    ...
  ENDIF
```

When the last item of the personal detailed interview is answered, the instrument recalculates the personal interview status and blanks the Speak\_Menu in case there is a need to interview any other household members. Then the instrument jumps back to Speak\_Menu item and allows the interviewer to choose another interview respondent.

To determine the household interview status, the instrument maintains not just all sampled personal interviews statuses, but also global counters for all sampled household members who already completed personal interviews as well as those eligible respondents for whom an interview has not yet been completed.

## Contact information:

Valentina Grouverman [vgrouverman@rti.org](mailto:vgrouverman@rti.org)  
Nathan Sikes [sikes@rti.org](mailto:sikes@rti.org)