

**PROGRAMA ESCUCHAR  
BIOMARKERS FIRST FOLLOW-UP QUESTIONNAIRE INDIVIDUAL-  
LEVEL SURVEY**

**BM001**  
1. Blood Pressure [IWER: Were you able to take the R's blood pressure measurement?]  
1 Yes  
2 No

IF BM001 = Yes THEN

[Questions BM003\_intro to BM006\_pulse [3] are displayed as a table]

**BM003\_intro**  
Measurement

**BM003\_Hmeasure**  
#

**BM003\_Htime**  
Time of Reading

**BM003\_Hsystolic**  
Systolic Reading

**BM003\_Hdiastolic**  
Diastolic Reading

**BM003\_Hpulse**  
Pulse

**BM004\_time\_hour**  
String

**BM004\_time\_minute**  
String

**BM004\_time\_ampm**  
1 am  
2 pm

**BM005\_systolic**  
String

**BM006\_diastolic**  
String

**BM006\_pulse**  
String

**BM004\_time\_hour**  
String

**BM004\_time\_minute**  
String

**BM004\_time\_ampm**  
1 am  
2 pm

**BM005\_systolic**  
String

**BM006\_diastolic**  
String

**BM006\_pulse**  
String

**BM004\_time\_hour**  
String

**BM004\_time\_minute**  
String

**BM004\_time\_ampm**  
1 am  
2 pm

**BM005\_systolic**  
String

Language  
1 English  
2 Spanish  
3 Mayan  
4 Proxy Spanish  
5 Proxy Mayan  
6 Proxy English

< > Different to

**BM006\_diastolic**

String

**BM006\_pulse**

String

[Questions BM007 to BM010 are displayed as a table]

**BM007**

[IWER: Which arm was used to conduct the measurements?]

- 1 Left arm
- 2 Right arm

**BM008**

[IWER: How compliant was R during this measurement?]

- 1 R was fully compliant
- 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
- 3 R was not fully compliant, but no obvious reason for this

**BM009**

[IWER: What was R's position for this test?]

- 1 Standing
- 2 Sitting
- 3 Lying down

**BM010**

[IWER: Did the R smoke, exercise, consume alcohol or food within the 30 minutes prior to completing the blood pressure test?]

- 1 Yes
- 5 No
- 8 Don't Know

ENDIF

IF BM001 = No THEN

[Questions BM002 to BM002\_other are displayed as a table]

**BM002**

[IWER: Why didn't R complete the blood pressure measurement? (Circle all that apply)]

- 1 R felt it would not be safe
- 2 IWER felt it would not be safe
- 3 R refused or was not willing to complete the test
- 4 R tried but was unable to complete test
- 5 R did not understand the instructions
- 6 R had a rash, a cast, edema, open sores or wounds, or significant bruise where the blood pressure cuff would contact R's arm
- 97 Other (Specify):

**BM002\_other**

String

ENDIF

**BM015**

2. Breathing test [IWER: Was the R able to perform the breathing test?]

- 1 Yes
- 2 No

IF BM015 = Yes THEN

[Questions BM017\_intro to BM018\_breathing [3] are displayed as a table]

**BM017\_intro**

Measurement

**BM017\_Hmeasure**

#

**BM017\_Hreading**

Measurement Reading

**BM018\_breathing**

String

**BM018\_breathing**

String

**BM018\_breathing**

String

[Questions BM019 to BM020 are displayed as a table]

**BM019**

[IWER: How much effort did R give to this test?]

| 1 R gave full effort  
| 2 R was prevented from giving full effort by illness, pain, or other symptoms or discomforts  
| 3 R did not appear to give full effort, but no obvious reason for this

**BM020**

| [IWER: What was R's position for this test?]

| 1 Standing  
| 2 Sitting  
| 3 Lying down

| ENDIF

| IF BM015 = No THEN

| [Questions BM016 to BM016\_other are displayed as a table]

**BM016**

| [IWER: Why didn't R complete the breathing test?]

| 1 R felt it would not be safe  
| 2 IWER felt it would not be safe  
| 3 R refused or was not willing to complete the test  
| 4 R tried but was unable to complete test  
| 5 R did not understand the instructions  
| 97 Other (Specify):

**BM016\_other**

| String

| ENDIF

**BM025**

| 3. Grip strength [IWER: Was R able to perform grip strength test?]

| 1 Yes  
| 2 No

| IF BM025 = Yes THEN

| [Questions BM027\_intro to BM029\_right\_gr [2] are displayed as a table]

**BM027\_intro**

| [IWER: Record measurements in chart. Record 993 if R tried but was unable.  
| Record 999 if R chose not to do it.]

**BM027\_Hmeasure**

| #

**BM027\_Hleft**

| Left hand

**BM027\_Hright**

| Right hand

**BM028\_left\_kg**

| String

**BM028\_left\_gr**

| String

**BM029\_right\_kg**

| String

**BM029\_right\_gr**

| String

**BM028\_left\_kg**

| String

**BM028\_left\_gr**

| String

**BM029\_right\_kg**

| String

**BM029\_right\_gr**

| String

| [Questions BM030 to BM032 are displayed as a table]

**BM030**

| [IWER: How much effort did R give to this test?]

| 1 R gave full effort  
| 2 R was prevented from giving full effort by illness, pain, or other symptoms or discomfort  
| 3 R did not appear to give full effort, but no obvious reason for this

**BM031**

[IWER: What was R's position for this test?]

- 1 Standing
- 2 Sitting
- 3 Lying down

**BM032**

[IWER: Did the R rest their arm on a support while performing the test?]

- 1 Yes
- 2 No

ENDIF

IF BM025 = No THEN

[Questions BM026 to BM026\_other are displayed as a table]

**BM026**

[IWER: Why didn't R complete the grip strength test?]

- 1 R felt it would not be safe
- 2 IWER felt it would not be safe
- 3 R refused or was not willing to complete the test
- 4 R tried but was unable to complete test
- 5 R did not understand the instructions
- 6 R had a surgery, injury, inflammation or pain
- 97 Other (Specify):

**BM026\_other**

String

ENDIF

**BM035**

4a. Semi-tandem stand [IWER: Was the R able to conduct the semi-tandem stand?]

- 1 Yes
- 2 No

IF BM035 = Yes THEN

[Questions BM037 to BM037\_milisec are displayed as a table]

**BM037**

[IWER: Did R hold semi-tandem stand for a full 10 seconds without stepping out of place or grabbing hold of anything?]

- 1 Yes
- 2 No -- Enter amount of time R held standing in seconds to two decimal places.
- 993 R tried but was unable
- 999 R chose not to do it

**BM037\_sec**

String

**BM037\_milisec**

String

**BM038**

[IWER: Did R use any compensatory movements of his/her trunk, arms or legs to steady him/herself during semi-tandem stand?]

- 1 Yes
- 2 No
- 8 Don't Know

IF BM037 = Yes THEN

**BM050**

4. Full tandem stand [IWER: Was the R able to conduct the full tandem stand?]

- 1 Yes
- 2 No

IF BM050 = Yes THEN

[Questions BM052 to BM052\_milisec are displayed as a table]

**BM052**

[IWER: Did R hold full-tandem stand for a full [30/60] seconds without stepping out of place or grabbing hold of anything?]

- 1 Yes
- 2 No -- Enter amount of time R held standing in seconds to two decimal places.
- 993 R tried but was unable
- 999 R chose not to do it

**BM052\_sec**

String

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| | BM052_milise
| | String
| |
| | BM053
| | [IWER: Did R use any compensatory movements of his/her trunk, arms or legs to steady him/herself during full- tandem stand?]
| | 1 Yes
| | 2 No
| | 8 Don't Know
| |
| | [Questions BM054 to BM054_other are displayed as a table]
| |
| | BM054
| | [IWER: Record the type of floor surface that the balance measures were conducted on.]
| | 1 Linoleum/tile/wood
| | 2 Low-pile carpet
| | 3 High-pile carpet
| | 4 Concrete
| | 5 Not sure
| | 97 Other (Specify):
| |
| | BM054_other
| | String
| |
| | BM055
| | [IWER: How compliant was R during the balance measurements?]
| | 1 R was fully compliant
| | 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
| | 3 R did not appear to be fully compliant, but no obvious reason for this
| |
| | ENDIF
| |
| | IF BM050 = No THEN
| |
| | [Questions BM051 to BM051_other are displayed as a table]
| |
| | BM051
| | [IWER: Why didn't R complete the full tandem stand?]
| | 1 R felt it would not be safe
| | 2 IWER felt it would not be safe
| | 3 R refused or was not willing to complete the test
| | 4 R tried but was unable to complete test
| | 5 R did not understand the instructions
| | 6 R had surgery, injury or other health condition that prevented R from standing
| | 97 Other (Specify):
| |
| | BM051_other
| | String
| |
| | ENDIF
| |
| | ENDIF
| |
| | IF BM037 > Yes THEN
| |
| | BM040
| | 4b. Side-by-side stand [IWER: Was the R able to conduct the side-by-side stand?]
| | 1 Yes
| | 2 No
| |
| | IF BM040 = Yes THEN
| |
| | [Questions BM042 to BM042_milise are displayed as a table]
| |
| | BM042
| | [IWER: Did R hold side-by-side stand for a full 10 seconds without stepping out of place or grabbing hold of anything?]
| | 1 Yes
| | 2 No -- Enter amount of time R held standing in seconds to two decimal places.
| | 993 R tried but was unable
| | 999 R chose not to do it
| |
| | BM042_sec
| | String
| |
| | BM042_milise
| | String
| |
| | BM043
| | [IWER: Did R use any compensatory movements of his/her trunk, arms or legs to steady him/herself during side-by-side stand?]
| | 1 Yes
| | 2 No
| | 8 Don't Know

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| | [Questions BM044 to BM044_other are displayed as a table]
| |
| | BM044
| | [IWER: Record the type of floor surface that the balance measures were conducted on.]
| | 1 Linoleum/tile/wood
| | 2 Low-pile carpet
| | 3 High-pile carpet
| | 4 Concrete
| | 5 Not sure
| | 97 Other (Specify):
| |
| | BM044_other
| | String
| |
| | BM045
| | [IWER: How compliant was R during the balance measurements?]
| | 1 R was fully compliant
| | 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
| | 3 R was not fully compliant, but no obvious reason for this
| |
| | ENDIF
| |
| | IF BM040 = No THEN
| |
| | [Questions BM041 to BM041_other are displayed as a table]
| |
| | BM041
| | [IWER: Why didn't R complete the Side-by-side stand?]
| | 1 R felt it would not be safe
| | 2 IWER felt it would not be safe
| | 3 R refused or was not willing to complete the test
| | 4 R tried but was unable to complete test
| | 5 R did not understand the instructions
| | 6 R had surgery, injury or other health condition that prevented R from standing
| | 97 Other (Specify):
| |
| | BM041_other
| | String
| |
| | ENDIF
| |
| | ENDIF
| |
| | IF BM035 = No THEN
| |
| | [Questions BM036 to BM036_other are displayed as a table]
| |
| | BM036
| | [IWER: Why didn't R complete the semi-tandemstand?]
| | 1 R felt it would not be safe
| | 2 IWER felt it would not be safe
| | 3 R refused or was not willing to complete the test
| | 4 R tried but was unable to completetest
| | 5 R did not understand the instructions
| | 6 R had surgery, injury or other health condition that prevented R from standing
| | 97 Other (Specify):
| |
| | BM036_other
| | String
| |
| | BM040
| | 4b. Side-by-side stand [IWER: Was the R able to conduct the side-by-side stand?]
| | 1 Yes
| | 2 No
| |
| | IF BM040 = Yes THEN
| |
| | [Questions BM042 to BM042_milisec are displayed as a table]
| |
| | BM042
| | [IWER: Did R hold side-by-side stand for a full 10 seconds without stepping out of place or grabbing hold of anything?]
| | 1 Yes
| | 2 No -- Enter amount of time R held standing in seconds to two decimal places.
| | 993 R tried but was unable
| | 999 R chose not to do it
| |
| | BM042_sec
| | String
| |
| | BM042_milisec
| | String

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| | BM043
| | [IWER: Did R use any compensatory movements of his/her trunk, arms or legs to steady him/herself during side-by-side stand?]
| | 1 Yes
| | 2 No
| | 8 Don't Know
| |
| | [Questions BM044 to BM044_other are displayed as a table]
| |
| | BM044
| | [IWER: Record the type of floor surface that the balance measures were conducted on.]
| | 1 Linoleum/tile/wood
| | 2 Low-pile carpet
| | 3 High-pile carpet
| | 4 Concrete
| | 5 Not sure
| | 97 Other (Specify):
| |
| | BM044_other
| | String
| |
| | BM045
| | [IWER: How compliant was R during the balance measurements?]
| | 1 R was fully compliant
| | 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
| | 3 R was not fully compliant, but no obvious reason for this
| |
| | ENDIF
| |
| | IF BM040 = No THEN
| |
| | [Questions BM041 to BM041_other are displayed as a table]
| |
| | BM041
| | [IWER: Why didn't R complete the Side-by-side stand?]
| | 1 R felt it would not be safe
| | 2 IWER felt it would not be safe
| | 3 R refused or was not willing to complete the test
| | 4 R tried but was unable to complete test
| | 5 R did not understand the instructions
| | 6 R had surgery, injury or other health condition that prevented R from standing
| | 97 Other (Specify):
| |
| | BM041_other
| | String
| |
| | ENDIF
| |
| | ENDIF
| |
| | BM060
| | 6.Walking Test [IWER: Was the R able to perform walking test?]
| | 1 Yes
| | 2 No
| |
| | IF BM060 = Yes THEN
| |
| | [Questions BM062_intro to BM064_TestTime_milisec [2] are displayed as a table]
| |
| | BM062_intro
| | Measurement
| |
| | BM062_Hmeasure
| | #
| |
| | BM062_Htesttime
| | Walking Speed Time
| |
| | BM063_TestTime_sec
| | String
| |
| | BM064_TestTime_milisec
| | String
| |
| | BM063_TestTime_sec
| | String
| |
| | BM064_TestTime_milisec
| | String
| |
| | [Questions BM065 to BM065_other are displayed as a table]
| |
| | BM065
| | [IWER: Record type of floor surface.]
| | 1 Linoleum/tile/wood
```



- | 2 Low-pile carpet
- | 3 High-pile carpet
- | 4 Concrete
- | 5 Not sure
- | 97 Other (Specify):

**BM065\_other**

[IWER: Record type of floor surface.]

String

[Questions BM066 to BM066\_other are displayed as a table]

**BM066**

[IWER: Record type of aid used.]

- | 1 None
- | 2 Walking stick or cane
- | 3 Elbow crutches
- | 4 Walker
- | 97 Other (Specify):

**BM066\_other**

String

**BM067**

[IWER: How compliant was R during this measurement?]

- | 1 R was fully compliant
- | 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
- | 3 R was not fully compliant, but no obvious reason for this

ENDIF

IF BM060 = No THEN

[Questions BM061 to BM061\_other are displayed as a table]

**BM061**

[IWER: Why didn't R complete the walking test?]

- | 1 R felt it would not be safe
- | 2 IWER felt it would not be safe
- | 3 R refused or was not willing to complete the test
- | 4 R tried but was unable to complete test
- | 5 R did not understand the instructions
- | 6 R had surgery, injury or other health condition that prevented R from standing
- | 7 No suitable space available
- | 97 Other (Specify):

**BM061\_other**

String

ENDIF

**BM070**

7.Height [IWER: Were you able to measure the R's height?]

- | 1 Yes
- | 2 No

IF BM070 = Yes THEN

[Questions BM072\_intro to BM074\_height\_centimeters [3] are displayed as a table]

**BM072\_intro**

Measurement

**BM072\_Hmeasure**

#

**BM072\_Hheight**

Measurement

**BM073\_height\_meters**

Range: 0..250

**BM074\_height\_centimeters**

String

**BM073\_height\_meters**

Range: 0..250

**BM074\_height\_centimeters**

String

**BM073\_height\_meters**

Range: 0..250

**BM074\_height\_centimeters**

String

[Questions BM075 to BM075\_other are displayed as a table]

**BM075**

[IWER: Record the type of floorsurface]

- 1 Linoleum/tile/wood
- 2 Low-pile carpet
- 3 High-pile carpet
- 4 Concrete
- 5 Not sure
- 97 Other (Specify):

**BM075\_other**

String

**BM076**

[IWER: Was R wearing shoes during the measurement?]

- 1 Yes
- 2 No

**BM077**

[IWER: How compliant was R during this measurement?]

- 1 R was fully compliant
- 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
- 3 R was not fully compliant, but no obvious reason for this

ENDIF

IF BM070 = No THEN

[Questions BM071 to BM071\_other are displayed as a table]

**BM071**

[IWER: Why weren't you able to measure R's height?]

- 1 R felt it would not be safe
- 2 IWER felt it would not be safe
- 3 R refused or was not willing to complete the measurement
- 4 R tried but was unable to complete measurement
- 5 R did not understand the instructions
- 6 Respondent too tall, interviewer could not reach
- 7 There was no suitable space available
- 97 Other (Specify):

**BM071\_other**

String

ENDIF

**BM080**

8.Weight [IWER: Were you able to measure the R's weight?]

- 1 Yes
- 2 No

IF BM080 = Yes THEN

[Questions BM082\_intro to BM084\_weight\_grams [3] are displayed as a table]

**BM082\_intro**

Measurement

**BM082\_Hmeasure**

#

**BM082\_Hweight**

Measurement

**BM083\_weight\_kg**

Range: 0..500

**BM084\_weight\_grams**

Range: 0..99

**BM083\_weight\_kg**

Range: 0..500

**BM084\_weight\_grams**

Range: 0..99

**BM083\_weight\_kg**

Range: 0..500

**BM084\_weight\_grams**

Range: 0..99

[Questions BM085 to BM085\_other are displayed as a table]

**BM085**

[IWER: Record the type of floorsurface]

- 1 Linoleum/tile/wood
- 2 Low-pile carpet
- 3 High-pile carpet
- 4 Concrete
- 5 Not sure
- 97 Other (Specify):

**BM085\_other**

String

**BM086**

[IWER: Was R wearing shoes during the measurement?]

- 1 Yes
- 2 No

**BM087**

[IWER: How compliant was R during this measurement?]

- 1 R was fully compliant
- 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts
- 3 R was not fully compliant, but no obvious reason for this

ENDIF

IF BM080 = No THEN

[Questions BM081 to BM081\_other are displayed as a table]

**BM081**

[IWER: Why weren't you able to measure R's weight?]

- 1 R felt it would not be safe
- 2 IWER felt it would not be safe
- 3 R refused or was not willing to complete the measurement
- 4 R tried but was unable to complete measurement
- 5 R did not understand the instructions
- 6 R is not able to stand
- 97 Other (Specify):

**BM081\_other**

String

ENDIF

**BM090**

9. Waist [IWER: Were you able to measure the R's waist?]

- 1 Yes
- 2 No

IF BM090 = Yes THEN

[Questions BM092\_intro to BM094\_waist\_mm [3] are displayed as a table]

**BM092\_intro**

Measurement

**BM092\_Hmeasure**

#

**BM092\_Hwaist**

Measurement

**BM093\_waist\_cm**

Range: 0..500

**BM094\_waist\_mm**

Range: 0..99

**BM093\_waist\_cm**

Range: 0..500

**BM094\_waist\_mm**

Range: 0..99

**BM093\_waist\_cm**

Range: 0..500

**BM094\_waist\_mm**

Range: 0..99

[Questions BM095 to BM095\_other are displayed as a table]

**BM095**

[IWER: What difficulties occurred during this measurement?]

- 1 None
- 2 R had breathing difficulties

| 3 R was unable to hold breath at the end of the exhale  
| 4 R was prevented from giving full effort by illness, pain, or other symptoms or discomforts  
| 5 R did not appear to give full effort, but no obvious reason for this  
| 97 Other (Specify):

| **BM095\_other**

| String

| [Questions BM096 to BM098 are displayed as a table]

| **BM096**

| [IWER: How compliant was R during this measurement?]

| 1 R was fully compliant  
| 2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts  
| 3 R was not fully compliant, but no obvious reason for this

| **BM097**

| [IWER: Who completed the measurement?]

| 1 R completed the measurement  
| 2 IWER completed the measurement

| **BM098**

| [IWER: Was the R wearing bulky clothing during this measurement?]

| 1 Yes  
| 2 No

| ENDIF

| IF BM090 = No THEN

| [Questions BM091 to BM091\_other are displayed as a table]

| **BM091**

| [IWER: Why weren't you able to measure R's waist?]

| 1 R felt it would not be safe  
| 2 IWER felt it would not be safe  
| 3 R refused or was not willing to complete the measurement  
| 4 R tried but was unable to complete measurement  
| 5 R did not understand the instructions  
| 6 R is not able to stand  
| 97 Other (Specify):

| **BM091\_other**

| String

| ENDIF

| **BM100**

| 10. Arm circumference or length [IWER: Were you able to measure the R's arm or length?]

| 1 Yes  
| 2 No

| IF BM100 = Yes THEN

| [Questions BM102\_intro to BM104\_arm\_mm [3] are displayed as a table]

| **BM102\_intro**

| Measurement circumference

| **BM102\_Hmeasure**

| #

| **BM102\_Harm**

| Measurement

| **BM103\_arm\_cm**

| Range: 0..500

| **BM104\_arm\_mm**

| String

| **BM103\_arm\_cm**

| Range: 0..500

| **BM104\_arm\_mm**

| String

| **BM103\_arm\_cm**

| Range: 0..500

| **BM104\_arm\_mm**

| String

| [Questions BM132\_intro to BM134\_arm\_mm [3] are displayed as a table]

**BM132\_intro**  
Measurement length

**BM132\_Hmeasure**  
#

**BM132\_Harm**  
Measurement

**BM133\_arm\_cm**  
Range: 0..500

**BM134\_arm\_mm**  
String

**BM133\_arm\_cm**  
Range: 0..500

**BM134\_arm\_mm**  
String

**BM133\_arm\_cm**  
Range: 0..500

**BM134\_arm\_mm**  
String

**BM105**  
[IWER: Which arm was used to conduct the measurements?]  
1 Left arm  
2 Right arm

[Questions BM117 to BM117\_other are displayed as a table]

**BM117**  
[IWER: What difficulties occurred during this measurement?]  
1 None  
2 R unable to raise or stretch his/her arm  
3 R had arm injury, condition or problem, or discomfort (cut/lesion, rash, rheumatism, osteoporosis, arthritis, pain when moving arm, etc.)  
4 R was prevented from giving full effort by illness, pain, or other symptoms or discomforts  
5 R did not appear to give full effort, but no obvious reason for this  
97 Other (Specify):

**BM117\_other**  
String

[Questions BM106 to BM119 are displayed as a table]

**BM106**  
[IWER: How compliant was R during this measurement?]  
1 R was fully compliant  
2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts  
3 R was not fully compliant, but no obvious reason for this

**BM118**  
[IWER: Who completed the measurement?]  
1 R completed the measurement  
2 IWER completed the measurement

**BM119**  
[IWER: Was the R wearing bulky clothing during this measurement?]  
1 Yes  
2 No

ENDIF

IF BM100 = No THEN

[Questions BM101 to BM101\_other are displayed as a table]

**BM101**  
[IWER: Why didn't R complete the arm measurement?]  
1 R felt it would not be safe  
2 IWER felt it would not be safe  
3 R refused or was not willing to complete the test  
4 R tried but was unable to complete test  
5 R did not understand the instructions  
6 R had a rash, a cast, edema, open sores or wounds, or significant bruise where the blood pressure cuff would contact R's arm  
97 Other (Specify):

**BM101\_other**  
String

ENDIF

**BM110**

11.Knee height [IWER: Were you able to measure the R's knee height?]

1 Yes

2 No

IF BM110 = Yes THEN

[Questions BM112\_intro to BM114\_pantric\_mm [3] are displayed as a table]

**BM112\_intro**

Measurement

**BM112\_Hmeasure**

#

**BM112\_Hpantric**

Measurement

**BM113\_pantric\_cm**

Range: 0..500

**BM114\_pantric\_mm**

Range: 0..99

**BM113\_pantric\_cm**

Range: 0..500

**BM114\_pantric\_mm**

Range: 0..99

**BM113\_pantric\_cm**

Range: 0..500

**BM114\_pantric\_mm**

Range: 0..99

[Questions BM115 to BM115\_other are displayed as a table]

**BM115**

[IWER: What difficulties occurred during this measurement?]

1 None

2 R was prevented from giving full effort by illness, pain, or other symptoms or discomforts

3 R did not appear to give full effort, but no obvious reason for this

97 Other (Specify):

**BM115\_other**

String

[Questions BM116 to BM120 are displayed as a table]

**BM116**

[IWER: How compliant was R during this measurement?]

1 R was fully compliant

2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts

3 R was not fully compliant, but no obvious reason for this

**BM122**

[IWER: Who completed the measurement?]

1 R completed the measurement

2 IWER completed the measurement

**BM120**

[IWER: Was the R wearing bulky clothing during this measurement?]

1 Yes

2 No

ENDIF

IF BM110 = No THEN

[Questions BM111 to BM111\_other are displayed as a table]

**BM111**

[IWER: Why didn't R complete the KneeHeight?]

1 R felt it would not be safe

2 IWER felt it would not be safe

3 R refused or was not willing to complete the test

4 R tried but was unable to complete test

5 R did not understand the instructions

6 R had a rash, a cast, edema, open sores or wounds, or significant bruise where the blood pressure cuff would contact R's arm

97 Other (Specify):

**BM111\_other**

String

```

| ENDIF
|
| HG003
| Hemoglobin Test [IWER: Were you able to apply the hemoglobin test?]
| 1 Yes
| 2 No
|
| LOOP FROM 0 TO 5 DO
|
| IF strlen ( HG008 ) < > 15 THEN
|
| | HG008
| | HHID
| | String
|
| ELSE
|
| ENDIF
|
| ENDDO
|
| IF HG003 = Yes THEN
|
| [Questions HG011_a to HG014 are displayed as a table]
|
| HG011_a
| Anemia test result
| Integer
|
| HG011_b
| Anemia test result
| String
|
| HG012
| The amount obtained in the test show that the hemoglobin concentration in the blood is
| 1 Normal
| 2 Low
|
| HG013
| Any problem in applying the test
| 1 Yes
| 2 No
|
| HG014
| Comments
| Memo
|
| ENDIF
|
| DB001
| Did the R sign the Blood Sample consent form?
| 1 Yes
| 2 No
|
| IF DB001 = Yes THEN
|
| DB002
| As I mentioned, I'd like to collect another small sample of your blood. I
| will collect enough blood to fill at least five small circles on a collection
| card. Do you understand the directions for this test?
| 1 Yes
| 2 No
|
| IF DB002 = Yes THEN
|
| | DB003
| | Do you feel it would be safe for you to do this test?
| | 1 Yes
| | 2 No
|
| | IF DB003 = Yes THEN
| |
| | | DB003_a
| | | Thank you for your cooperation. This concludes the physical measure and
| | | biomarkers portion of the interview. Before we continue with the
| | | interview, I need a moment to enter some information in the
| | | computer.
| |
| | [Questions DB005 to DB005_other are displayed as a table]
| |
| | DB005
| | What, if any, problems occurred during the collection of the blood sample?
| | 1 None
| | 2 R fainted, became light-headed or nauseous

```

3 R had difficulty getting her/his finger to stop bleeding  
4 Other, please specify

**DB005\_other**

String

[Questions DB006 to DB006\_other are displayed as a table]

**DB006**

Who pricked the R's finger(s)?  
1 R pricked own finger(s)  
2 IWER pricked R's finger(s)  
3 Both R and IWER pricked R's finger(s)  
4 Someone else pricked R's finger(s) (Specify relationship to R)

**DB006\_other**

String

**DB007**

How many circles were filled on the first card?  
1 0  
2 1  
3 2  
4 3  
5 4  
6 5

**DB009**

How many times did the R's finger need to be pricked in order to fill the circles?  
1 One time  
2 Two times  
3 Two times but the R was unable to fill all four circles with blood

**DB010**

How compliant was R during this measurement?  
1 R was fully compliant  
2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts  
3 R was not fully compliant, but there was no obvious reason for this

ENDIF

IF DB003 = No THEN

[Questions DB004 to DB004\_other are displayed as a table]

**DB004**

Why didn't R complete the blood sample?  
1 R felt it would not be safe  
2 IWER felt it would not be safe  
3 R refused or was not willing to complete the measurement  
4 R tried but was unable to complete measurement  
5 R did not understand the instructions  
6 R has hemophilia or is on medication that thins the blood (anticoagulant)  
97 Other, please specify

**DB004\_other**

String

ENDIF

ENDIF

IF DB002 = No THEN

[Questions DB004 to DB004\_other are displayed as a table]

**DB004**

Why didn't R complete the blood sample?  
1 R felt it would not be safe  
2 IWER felt it would not be safe  
3 R refused or was not willing to complete the measurement  
4 R tried but was unable to complete measurement  
5 R did not understand the instructions  
6 R has hemophilia or is on medication that thins the blood (anticoagulant)  
97 Other, please specify

**DB004\_other**

String

ENDIF



|  
| ENDIF

| IF DB001 = No THEN

| [Questions DB004 to DB004\_other are displayed as a table]

| **DB004**

| Why didn't R complete the blood sample?

| 1 R felt it would not be safe

| 2 IWER felt it would not be safe

| 3 R refused or was not willing to complete the measurement

| 4 R tried but was unable to complete measurement

| 5 R did not understand the instructions

| 6 R has hemophilia or is on medication that thins the blood (anticoagulant)

| 97 Other, please specify

| **DB004\_other**

| String

| ENDIF