PROGRAMA ESCUCHAR
BIOMARKERS FIRST FOLLOW-UP INDIVIDUAL-LEVEL SURVEY
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]
BM005_systolic
String

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
6 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
[WER: 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
[WER: 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
[WER: 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 [WER: 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
[WER: 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
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 discomforts
  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

**BM025**
- **[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
  7. Other (Specify):

**BM026**
- **[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

**BM035**
- **4a. Semi-tandem stand [IWER: Was the R able to conduct the semi-tandem stand?]**
  1. Yes
  2. No

**BM037**
- **[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

**BM038**
- **[IWER: Was the R able to conduct the full tandem stand?]**
  1. Yes
  2. No

**BM050**
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

**BM052_milisec**

String

Table 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 |

Table BM054

<table>
<thead>
<tr>
<th>IWER: Record the type of floor surface that the balance measures were conducted on.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Linoleum/tile/wood</td>
</tr>
<tr>
<td>2 Low-pile carpet</td>
</tr>
<tr>
<td>3 High-pile carpet</td>
</tr>
<tr>
<td>4 Concrete</td>
</tr>
<tr>
<td>5 Not sure</td>
</tr>
<tr>
<td>97 Other (Specify):</td>
</tr>
</tbody>
</table>

**BM054_other**

String

Table BM055

<table>
<thead>
<tr>
<th>IWER: How compliant was R during the balance measurements?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 R was fully compliant</td>
</tr>
<tr>
<td>2 R was prevented from fully complying due to illness, pain, or other symptoms or discomforts</td>
</tr>
<tr>
<td>3 R did not appear to be fully compliant, but no obvious reason for this</td>
</tr>
</tbody>
</table>

**BM055_other**

String

Table BM051

<table>
<thead>
<tr>
<th>IWER: Why didn't R complete the full tandem stand?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 R felt it would not be safe</td>
</tr>
<tr>
<td>2 IWER felt it would not be safe</td>
</tr>
<tr>
<td>3 R refused or was not willing to complete the test</td>
</tr>
<tr>
<td>4 R tried but was unable to complete test</td>
</tr>
<tr>
<td>5 R did not understand the instructions</td>
</tr>
<tr>
<td>6 R had surgery, injury or other health condition that prevented R from standing</td>
</tr>
<tr>
<td>97 Other (Specify):</td>
</tr>
</tbody>
</table>

**BM051_other**

String

ENDIF

IF BM050 = No THEN

[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

ENDIF

ENDIF

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_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?]
BM042_sec
String

BM042_milisec
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

[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-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):

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]
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

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

Did 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):

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

Was the R able to perform walking test?

1 Yes
2 No

Was the R able to perform walking test?
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
[WER: 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
[WER: Record type of floor surface.]
String

[Questions BM066 to BM066_other are displayed as a table]

BM066
[WER: Record type of aid used.]
1 None
2 Walking stick or cane
3 Elbow crutches
4 Walker
97 Other (Specify):

BM066_other
String

BM067
[WER: 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
[WER: Why didn’t R complete the walking test?] 1 R felt it would not be safe 2 T when 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 the 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 [WER: 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 floor surface |
| 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**

**Introduction**

**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 floor surface]**

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**
Measurement

# BM092_Hwaist

BM093_waist_cm
Range: 0..500

BM094_waist_mm
Range: 0..99

BM093_waist_cm
Range: 0..500

BM094_waist_mm
Range: 0..99

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 BM095 to BM095_other 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 [WRE: 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
| #

BM103_arm_cm
| Measurement
| Range: 0..500

BM104_arm_mm
| String

BM103_arm_cm
| String
| 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
| String
| Range: 0..500

BM134_arm_mm
| String
| Range: 0..500

BM134_arm_mm
| String

BM105
[WER: 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
[WER: 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):
[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
9. 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
[WER: 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
[WER: 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
[WER: Who completed the measurement?]
1 R completed the measurement
2 IWER completed the measurement

BM120
[WER: Was the R wearing bulky clothing during this measurement?]
1 Yes
2 No

BM111
[WER: Why didn't R complete the Knee 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 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

[Questions BM111 to BM111_other are displayed as a table]

HG003
Hemoglobin Test [WER: Were you able to apply the hemoglobin test?]
1 Yes
2 No

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