PROGRAMA ESCUCHAR
BIOMARKERS BASELINE QUESTIONNAIRE INDIVIDUAL-LEVEL SURVEY
1. Blood Pressure [IWER: Were you able to take the R’s blood pressure measurement?]

IF BM001 = Yes THEN

[Questions BM003_intro to BM006_pulse [3] are displayed as a table]
| 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 forthis |

| 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 completetest |
| 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 |

| ENDIF |
| IF 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
1 Standing
2 Sitting
3 Lying down

IF BM015 = No THEN
[Questions BM016 to BM016_other are displayed as a table]

BM016
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**

- What was R's position for this test?
  - 1 Standing
  - 2 Sitting
  - 3 Lying down

**BM032**

- Did the R rest their arm on a support while performing the test?
  - 1 Yes
  - 2 No

**BM026**

- 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 the test
  - 5 R did not understand the instructions
  - 6 R had a surgery, injury, inflammation or pain
  - 97 Other (Specify):

**BM035**

- Semi-tandem stand
  - 1 Yes
  - 2 No

**BM037**

- Did R hold semi-tandem stand for a full 10 seconds without stepping out or grabbing hold of anything?
  - 1 Yes
  - 2 No
  - 993 R tried but was unable
  - 999 R chose not to do it

**BM038**

- 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

**BM050**

- Full tandem stand
  - 1 Yes
  - 2 No

**BM052**

- 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
  - 993 R tried but was unable
  - 999 R chose not to do it
| BM052_milsec |
| 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

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

| 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
[WER: 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
[WER: 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
[WER: 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
[WER: 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
[WER: 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
[WER: 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
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

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):

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

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):

Was the R able to perform walking test?

1 Yes
2 No

Was the R able to perform walking test?

1 Yes
2 No

Walking Test [IWER: Was the R able to perform walking test?]

[Questions BM044 to BM044_other are displayed as a table]

[Questions BM044 to BM044_other are displayed as a table]

[Questions BM041 to BM041_other are displayed as a table]

[Questions BM041 to BM041_other are displayed as a table]

[Questions BM040 to BM040_other are displayed as a table]

[Questions BM040 to BM040_other are displayed as a table]

[Questions BM062_intro to BM064_TestTime_milisec [2] are displayed as a table]

[Questions BM062_intro to BM064_TestTime_milisec [2] are displayed as a table]

[Questions BM065 to BM065_other are displayed as a table]

[Questions BM065 to BM065_other are displayed as a table]
**BM065**

- Linoleum/tile/wood
- Low-pile carpet
- High-pile carpet
- Concrete
- Not sure
- Other (Specify):

**BM066**

- None
- Walking stick or cane
- Elbow crutches
- Walker
- Other (Specify):

**BM066_other**

**BM067**

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

**BM061**

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

**BM061_other**

**BM070**

- Yes
- No

**BM071**

**BM072**

- Measurement

**BM072_Hheight**

- Measurement

**BM073_height_meters**

- Range: 0..250

**BM074_height_centimeters**

- String

**BM073_height_meters**

- Range: 0..250

**BM074_height_centimeters**

- String
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_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
[Int: 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
[Int: Was R wearing shoes during the measurement?]
1 Yes
2 No

BM087
[Int: 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
[Int: 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 [Int: Were you able to measure 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

[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

[Questions BM100 to BM104_arm_mm [3] are displayed as a table]

BM100
10. Arm circumference or length [IWER: Were you able to measure the R's arm or length?]
1 Yes
2 No

[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
String

BM104_arm_mm
String

BM103_arm_cm
Range: 0..500
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

**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 the 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_cm
| Range: 0..500
BM113_pantric_mm
| Range: 0..99
BM114_pantric_mm
| Range: 0..99
BM115_other
| String

[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
BM117
| [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 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 the 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.

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]
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

String

If DB003 = No THEN

[Questions DB004 to DB004_other are displayed as a table]

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)
7. Other, please specify

String

ENDIF

IF DB002 = No THEN

[Questions DB004 to DB004_other are displayed as a table]

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)
7. Other, please specify

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