

**PROGRAMA ESCUCHAR
BIOMARKERS FIRST FOLLOW-UP 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

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

< > Different to

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

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 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

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

|

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||| [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
|||
||| BM052_milisec
||| 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_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
|||

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| | 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
| |
| | 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]

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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_mililsec

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

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_mililsec[2] are displayed as a table]

BM062_intro

Measurement

BM062_Hmeasure

#

BM062_Htesttime

Walking Speed Time

BM063_TestTime_sec

String

BM064_TestTime_mililsec

String

BM063_TestTime_sec

String

BM064_TestTime_mililsec

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 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
| [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]
```

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 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

ENDIF

HG003

Hemoglobin Test [IWER: Were you able to apply the hemoglobin test?]

1 Yes

2 No

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