



# INSTRUCTIONS FOR THE SITTING BLOOD PRESSURE (SBP) FORM



## I. General Instructions

The Sitting Blood Pressure Form is completed during the participant’s clinic visit. The technician must be certified in measurement of blood pressure. There should be no exertion, eating, smoking or exposure to cold for half an hour before recording blood pressure. It is also important that the subject have no change of posture for five minutes before recording blood pressure.

The SBP form that is completed as a part of the regular ARIC clinic visit appears in the Visit / NCS form group in CDART for the associated visit (e.g., Visit 10 / NCS form group for Visit 10). Note, the SBP form is also included in the Visit Ancillaries form group – the SBP form in this form group should only be completed for the Blood Pressure Stand-Alone Visit (ABPM, HBPM, OH), and never for the regular clinic visit. For more information about the Blood Pressure Stand-Alone Visit, please see MOP 37 or 38.

The instructions in this QxQ also apply to the ARIC Generation 2 Visit. However, instructions regarding scheduling using the RTS in case of an alert value would not apply since the RTS is not used at ARIC Generation 2.

## II. Detailed Instructions for each Item

- 0a. Enter the date on which the participant was seen in the clinic.
- 0b. Enter the staff ID for the person who completed this form.
- 1. Explain to the participant that you will be measuring their upper arm circumference to determine the appropriate cuff size for the later blood pressure measurements. Ask him/her if there is any medical reason that he/she cannot have a blood pressure measurement taken on the right arm. At the same time, examine the arm for open lesions, rashes, etc. Based on the participant’s response and your observation check the appropriate response, and then proceed with measurement of the appropriate arm. The right arm is preferred, if possible.
- 2. Arm circumference is measured at the midpoint between the tip of the elbow and the posterior tip of the shoulder as indicated in the Blood Pressure section, Manual 2. Arm circumference is measured to the centimeter, rounding down.
- 3. Cuff size is determined by the arm circumference measurement in item 2. The appropriate size for a given arm circumference is given below, and also appears on the form itself.

<u>Arm Circumference</u>	<u>Cuff Size</u>
17.0-21.9 cm	CS19
22.0-32.5 cm	CR19
32.6-42.5 cm	CL19
42.6-50.0+ cm	CX19

- 4. Instruct the participant to sit quietly, without changing his/her posture, while keeping both feet flat on the floor, for five minutes, while you step out of the room. Start a timer, and return promptly after 5 minutes have elapsed. After the participant has sat quietly for five minutes, enter the time. A five minute wait with no change of posture must precede the first blood pressure measurement.

## B.-D. First, second, third blood pressure / pulse rate

Measure and record systolic and diastolic blood pressures as described in the Manual of Procedures.

## E. Average blood pressure / pulse rate

These items are calculated automatically by the OMRON system.

**If the participant's average blood pressure is  $\geq 200$  systolic or  $\geq 120$  diastolic, stop the exam. This is an urgent referral.** In such cases, the following steps should be taken:

1. Complete MAE form documenting the participant's blood pressure in the event description (MAE9)
2. Update RTS result code to 'contacted and need to schedule'
3. Delete RTS16 (original appt date)
4. Leave RTS17 (type of exam completed) blank until participant comes back and completes a visit

Steps 2-4 will insure that the participant will show up on the scheduling report so that they will be rescheduled. There is no need to delete the original SBP form. It should be updated when the participant returns for the visit.

If average SBP 180-199 or DBP 110-119 mmHg: arrange for medical evaluation within 48 hrs.