



Pulse Wave Velocity (PWV)

QxQ

12/04/2019

General Instructions

The Pulse Wave Velocity (PWV) form is completed in CDART following the Demographics form (DEM) and Anthropometry measurement and completion of the ANT form, since questions 1-4 of the PWV will populate from those forms. CDART will need to be readily available in the exam room where the PWV test is performed and the PWV machine is located. Note: Use the arm and thigh on the same side to perform measurements – Right side is preferred. See Q10 instructions below for more information.

Detailed Instructions for Each Item

- 0a. Enter the date the PWV measurements were collected in the clinic.
- 0b. Enter the time the PWV measurements were collected in the clinic (use 24-hour format / military time).
- 0c. Enter the Staff ID of the person collecting the measurements.

- Q1 - Q4. The year of birth, month of birth, weight, and height values auto-populate from their respective forms.

- Q5. Carotid - thigh cuff distance is measured from the carotid sensor on the neck to the top of the thigh cuff and entered into CDART in centimeters. The range for the measurement is 40-80 cm. Round down to the nearest whole centimeter. For example, a measurement of 75.7cm would be rounded down to 75 cm.

- Q6. Suprasternal notch – carotid distance is measured and entered into CDART in centimeters. The range for the suprasternal notch – carotid distance is 5-20 cm. Round down to the nearest whole centimeter. For example, a measurement of 13.3 would be rounded down to 13.

- Q7. Difference in distance. This field is calculated and auto-populated by the CDART DMS and is the difference in the distances measured in items 5 and 6 in whole centimeters. Enter this number in the Vicorder program.

- Q8. Check the box corresponding to the thigh cuff used for the PWV measurement

- Q9. Measure the distance from the suprasternal notch to the top of the thigh cuff. The range for the measurement is 40-80 cm. Round down to the nearest whole centimeter. For example, a measurement of 63.3 would be rounded down to 63. This measurement is for analysis purposes only. Please do not enter this value in the Vicorder device.

- Q10. If you used the participant's left side, please indicate it here. If the measurement cannot be performed on the right side (i.e. amputees, or those with phlebitis, lymphedema, or skin conditions that would prevent us from applying a cuff on the right side), use the left side and indicate it here.

- Q11. Record comments or problems taking the measurements.