



# Technique quick-check

Excellent measurement technique requires training and skill building, but a few common problems related to patient preparation and positioning often account for unreliable readings.<sup>1,2</sup>

Use this tool to **verify** everyone in your practice or health center obtains blood pressure readings the right way and the same way every time. **Complete** four observations for each team member (e.g., medical assistant, nursing staff and physicians) who regularly takes blood pressure measurements, using one sheet for each person. **Repeat** on a quarterly or monthly basis or as needed.

General information												
Site name:						Date:						
Observer name(s):						Observation location (clinic, unit, etc.):						
	Patient #1			Patient #2			Patient #3			Patient #4		
Device used	Yes	No	Comments	Yes	No	Comments	Yes	No	Comments	Yes	No	Comments
1. Used a manual device	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
2. Used an automated device	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Additional notes on availability, accessibility, quality and/or use patterns of blood pressure measurement devices in the practice (optional):												
Patient preparation and positioning	Yes	No	If no, why not?	Yes	No	If no, why not?	Yes	No	If no, why not?	Yes	No	If no, why not?
1. Patient in the correct position ...												
1.1. Seated with back supported	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
1.2. Feet flat on the floor or footstool	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
1.3. Legs uncrossed	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
1.4. Arm bare	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
1.5. Arm supported	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
1.6. Arm at heart level	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
2. Cuff used is correct size*	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<b>If this is a confirmatory measurement (that is, a repeat measurement), then also check the following...</b>												
3. Was the patient asked to empty his/her bladder prior to the repeat measurements?	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
4. Did the patient rest quietly for at least five minutes (no speaking or texting) before the repeat measurement?	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
5. Were at least three more measurements obtained?	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Additional notes on issues related to patient preparation, positioning and cooperation with use of technique (optional):												

**Note:** The “Technique quick-check” tool is not designed to assess individual competence. Instead, it will help detect systemic issues that may be resulting in the routine use of improper technique. Specific issues such as correct inflation pressure should be addressed through regular training.

\* To help determine correct sizing, most cuffs have two white lines, like this |\_\_\_\_\_|, and a small tick mark on the other side of the cuff (the “artery arrow”) that should fall within the two white marks once the cuff is wrapped. Other clues might be if the cuff has to be wrapped more than once around the arm (too large), or if it has to be pulled tight to make the Velcro strips match up (too small).

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1. Pickering. et al. Recommendations for Blood Pressure Measurement in Humans and Experimental Animals Part 1: Blood Pressure Measurement in Humans. *Circulation*. 2005;111: 697-716.
  2. Handler J. The importance of accurate blood pressure measurement. *The Permanente Journal*/ Summer 2009/ Volume 13 No. 3 51

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