

Abnormal Blood Pressure Settings

In this document:

- [# Of Readings](#)
- [Time Between](#)
- [Follow Up Delay](#)
- [Multiple Blood Pressure Pathways](#)
- [Example Scenario](#)
- [Biometric Data Entry Thresholds](#)

Blood Pressure parameters (settings) are located in the Care Team Portal on the **Patient Parameters** page. The systolic and diastolic upper and lower boundary settings, as well as the abnormal reading configuration are only applicable when a patient is entering a blood pressure reading as part of their pathway. The purpose of this topic section is to help you better understand how to use the abnormal blood pressure reading configurations for the RPM/RPM+Video service level.

An abnormal blood pressure reading is a reading that triggers a high alert for systolic and/or diastolic biometrics. For information about the valid value thresholds for each biometric, see [Biometric Data Thresholds](#).

In the image, the settings in the Abnormal Reading Configuration panel means that if the first blood pressure reading is abnormally high/low, the patient is prompted in one minute to retake their blood pressure. If the second reading is *normal*, the patient is not prompted for another reading. If the second reading is *very abnormal*, the patient will be prompted to take their blood pressure after a 60-minute delay.

Of Readings

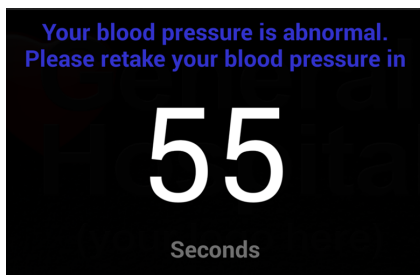
If # of readings is	Then
0	No subsequent readings will be taken, even if the value is abnormal.
1	After the patient confirms the abnormal blood pressure values, a window appears informing the patient they need to take their blood pressure again in X seconds (where X = the value configured in the Time between box).
> 1	The window will be repeated until the # of readings value has been reached as long as each blood pressure reading is abnormal (causes a high alert based on upper and lower boundaries

If # of readings is	Then
	for systolic and/or diastolic).

When the **# of readings** value has been reached, if the last blood pressure reading is also abnormal, a window appears informing the patient that their blood pressure is abnormal and they will need to retake their blood pressure in Y minutes where Y = the value configured in the **Follow up delay** box. The window will contain an OK button for the patient to dismiss the window.

Time Between

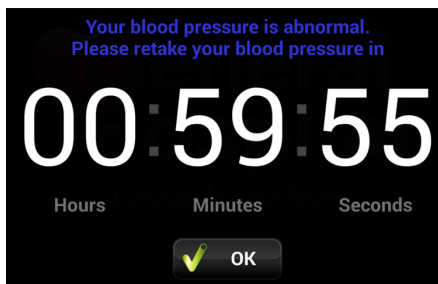
After the patient confirms the abnormal blood pressure values, a window appears informing the patient that they need to take their blood pressure again in X seconds, where X = *the value configured in the **Time between** box.*



The window will stay in the foreground, with no OK button to dismiss it, with the seconds counting down. Once the **Time between** value has passed, the window will dismiss and the Please start Blood Pressure Monitor screen appears.

Follow Up Delay

Once the **Follow up delay** time has passed, the blood pressure icon will now be yellow/orange and the tablet will start dinging every two minutes. *Late time* is calculated as Follow up delay value divided by two (example: Follow up delay = 60 minutes, Late time (60/2) = 30 minutes), and once this time passes, the blood pressure icon will turn red and the tablet will start dinging every minute.



Multiple Blood Pressure Pathways

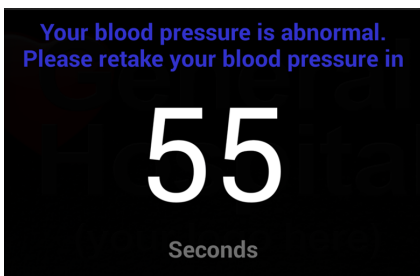
If a patient *has two or more pathways that contain blood pressure questions*, when the patient completes a pathway that contained an abnormal blood pressure reading, if a pathway scheduled for later in the day is already in the start window (default is 2 hours before the due time), the blood pressure icon will be light gray and, if selected, the timer will not appear as the icon is available for taking a reading for the next pathway. The timer is, however, running, so if the patient does not answer the next pathway, when the timer is up the icon turns orange, then after 1/2 the follow-up delay time has passed the icon turns red.

If the *next pathway with the blood pressure question is not in the start range yet*, the blood pressure icon will have the Done for now orange checkmark and selecting the icon will display the countdown screen counting down the time to the follow-up reading time for the first pathway.

Example Scenario

In this scenario, the patient is scheduled to take their blood pressure reading at 9:00 AM.

1. The tablet prompts the patient to take their blood pressure reading. The patient's blood pressure is 190/80, which is 190 for the systolic and 80 for the diastolic. The patient confirms these entries by selecting **Yes**.
2. The patient's systolic reading is above the High Alert Upper Boundary in the Systolic panel, so the following countdown screen appears.

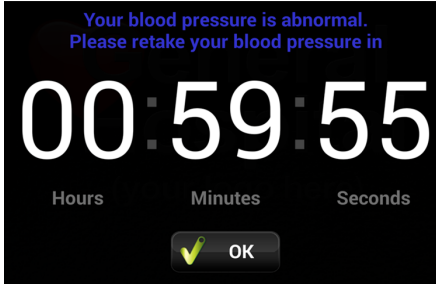


Note: The *Time between* readings is set one minute in the Abnormal Reading Configuration panel.

3. After one minute, the patient retakes their blood pressure reading, and their systolic reading is still at the High Alert level.

The *Follow Up delay* for the next reading is 60 minutes (one hour), and the following countdown screen

appears.



4. The patient touches the **OK** button.

The Done for Now checkmark appears on the blood pressure button.



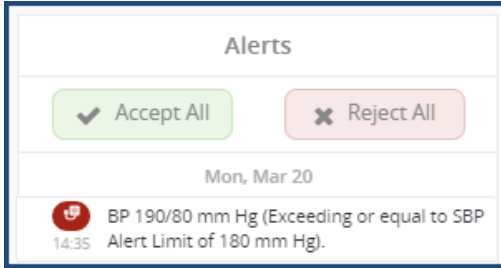
5. After an hour, the next blood pressure reading is due. The blood pressure button on the tablet turns orange, and the tablet beeps every other minute.



6. If the patient takes a blood pressure reading *and* if no other surveys are due that day, the blood pressure button turns gray, and a green checkmark appears by the button.



The entry displays on the **Patient Monitoring** page:



7. If the patient does not take a blood pressure reading after 30 minutes (which is half of the *Follow Up Delay* time), the reading is considered late, the blood pressure button turns red, and the tablet beeps every minute.

