

## EQIPP: Hypertension - Generalist

Pull 25 charts for children ages 4 years and older that have been in the practice's care for one year or more.

- The child should have been seen at least two times (one of them being a well-child check).
- Try to select charts that represent children from different age groups (e.g. "X" number of charts of children between ages 4 and 7 and "X" number of charts of children between ages 7 and 10)

Review all documentation related to assessment of the child's blood pressure and or care of hypertension within the last 18 months. This review is a retrospective look at the care provided.

Answer the questions based on actual documentation, not on memory or inference.

## EQIPP: Hypertension - Generalist

### Document the Measurement of Blood Pressure

Aim	Data Collection Question	Measure	Goal
90% of patients will have blood pressure documented in the medical record at each well child visit.	<p>1. At the most recent well-child visit, was the child's blood pressure measurement documented in the medical record?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>Name: % of patients [at a well child visit] with blood pressure documented in medical record</p> <p>Source: Question 1</p> <p>Numerator (x): Total number of charts with "Yes" selected in Q1</p> <p>Denominator (y): Total number of charts with "Yes" OR "No" selected in Q1 (total number of charts in chart set)</p>	90%

### Interpret the Blood Pressure Measurement

Aim	Data Collection Question	Measure	Goal
90% of patients will have their blood pressure classified according to the 2017 Clinical Practice Guidelines.	<p>2. What is the blood pressure classification? (See 2017 Clinical Practice Guideline Tables 2 and 3)</p> <p><input type="checkbox"/> Normal  <input type="checkbox"/> Abnormal <math>\geq</math> 90 percentile for height, age and gender  <input type="checkbox"/> Unable to classify due to missing height (patient less than 13 years of age)</p>	<p>Name: % of patients with BP classified</p> <p>Source: Questions 1 and 2</p> <p>Numerator (x): Total number of charts with "Normal" or "Abnormal" selected in Q2</p> <p>Denominator (y): Total number of charts with "Yes" OR "No" selected in Q1 (total number of charts in chart set)</p>	90%
<b>UNABLE TO CLASSIFY DUE TO MISSING HEIGHT: DATA COLLECTION ENDS HERE</b>			
90% of patients with abnormal blood pressure	2a. If Abnormal, was the blood pressure	Name: % of patients with abnormal BP with BP measurement repeated	90%

## EQIPP: Hypertension - Generalist

will have their blood pressure measurement repeated.	<p>measurement <i>repeated</i> (reaffirming correct cuff size, patient positioning, etc.) keeping in mind the standard for appropriate blood pressure measurement?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> NA, due to reason for blood pressure to be high (e.g., pain, crying, etc).</p>	<p>Source: Questions 2 and 2a</p> <p>Numerator (x): Total number of charts with “Yes” selected in Q2a</p> <p>Denominator (y): Total number of charts with “Abnormal” selected in Q2 MINUS total number of charts with “NA, due to reason for blood pressure to be high” selected in to Q2a</p>	
--	--	--	--

### Discuss Lifestyle Behaviors

Aim	Data Collection Question	Measure	Goal
90% of patients will have lifestyle behaviors discussed with patient and/or guardian.	<p>3. Were patient lifestyle behaviors aimed at maintaining a normal blood pressure (for example nutrition, physical activity, smoking and/or smoke exposure) discussed with the patient and/or guardian?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No</p>	<p>Name: % of patients with lifestyle behaviors discussed with patient and/or guardian</p> <p>Source: Questions 1 and 3</p> <p>Numerator (x): Total number of charts with “Yes” selected in Q3</p> <p>Denominator (y): Total number of charts with “Yes” OR “No” selected in Q1 (total number of charts in chart set)</p>	90%

**NORMAL CHARTS: DATA COLLECTION ENDS HERE**

## EQIPP: Hypertension - Generalist

### Confirm Diagnosis of Hypertension

<b>Aim</b>	<b>Data Collection Question</b>	<b>Measure</b>	<b>Goal</b>
90% of patients with abnormal blood pressure will have their blood pressure measurement repeated in the office during 1 or more subsequent visits.	4. Was the blood pressure repeated in the office (reaffirming correct cuff size, patient positioning, etc.), during 1 or more subsequent office visits? <input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Name: % of patients with abnormal BP whose BP measurement was repeated in the office during 1 or more subsequent visits</p> <p>Source: Questions 2 and 4</p> <p>Numerator (x): Total number of charts with "Yes" selected in Q4</p> <p>Denominator (y): Total number of charts with "Abnormal" selected in Q2</p>	90%
90% of patients with repeat measurements will have them done by auscultation.	4a. If yes, was blood pressure measured by auscultation? <input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Name: % of patients with repeat measurements done by auscultation</p> <p>Source: Questions 4 and 4a</p> <p>Numerator (x): Total number of charts with "Yes" selected in Q4a</p> <p>Denominator (y): Total number of charts with "Yes" selected in Q4</p>	90%
90% of patients with abnormal blood pressure will have ABPM used in accordance with the 2017 Clinical Practice Guidelines.	5. Was Ambulatory Blood Pressure Monitoring (ex. 24-hour blood pressure monitoring) used in accordance with the 2017 Clinical Practice Guidelines (Table 7) to further assess blood pressure?	<p>Name: % of patients with ABPM used in accordance with the guidelines</p> <p>Source: Questions 2 and 5</p> <p>Numerator (x): Total number of charts with "Yes" selected in Q5</p> <p>Denominator (y): Total number of charts with "Abnormal" selected in Q2 MINUS "No ABPM available" selected in Q5 MINUS "NA, ABPM not recommended selected in Q5</p>	90%

## EQIPP: Hypertension - Generalist

	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No ABPM available <input type="checkbox"/> NA ABPM not recommended		
90% of patients with abnormal blood pressure in which no ABPM was used will have reasons documented in the patient's chart.	5a. If no, was the reason documented in the patient chart?  <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: % of patients with no ABPM used with reasons documented in the patient chart  Source: Questions 5 and 5a  Numerator (x): Total number of charts with "Yes" selected in 5a  Denominator (y): Total number of charts with "No" selected in 5	90%
90% of patients with abnormal blood pressure will return within the recommended timeframe.	6. Did the patient return within the <u>recommended timeframe</u> (See 2017 Clinical Practice Guidelines, Table 7)?  <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: % of patients that returned within the recommended timeframe  Source: Questions 2 and 6  Numerator (x): Total number of charts with "Yes" selected in Q6  Denominator (y): Total number of charts with "Abnormal" selected in Q2	90%
90% of patients with abnormal blood pressure that did not return within the recommended timeframe will have a	6a. If no, was a reminder made (e.g. mailed card or phone call) to the patient/family?	Name: % of patients who did not return with in the recommended timeframe that had a reminder made to patient/family  Source: Questions 6 and 6a	90%

## EQIPP: Hypertension - Generalist

reminder made to the patient/family.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA – Timeframe has not elapsed	Numerator (x): Total number of charts with “Yes” selected in 6a  Denominator (y): Total number of charts with “No” selected in Q6 MINUS “NA – Timeframe has not elapsed” selected in Q6a	
<b>IF NOTO QUESTION 6, DATA COLLETION ENDS HERE</b>			
	7. After follow-up BP measurements, was a diagnosis of hypertension or elevated blood pressure confirmed for this child? <input type="checkbox"/> Yes <input type="checkbox"/> No, the child's blood pressure is within a normal range <input type="checkbox"/> No, no blood pressure readings taken	Not Measured	

## EQIPP: Hypertension - Generalist

### Evaluate for Identifiable Causes and Comorbidity Associated with Hypertension

Aim	Data Collection Question	Measure	Goal
90% of patients with confirmed abnormal blood pressure will have a targeted patient and family history documented in the medical record.	8. In children and adolescents being evaluated for elevated blood pressure or hypertension, was a targeted patient and family history (includes but not limited to history of early cardiac events and familial hypertension) documented in the medical record? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: % of patients with hypertension or elevated blood pressure in which a targeted patient and family history was documented in the medical record  Source: Questions 7 and 8  Numerator (x): Total number of charts with "Yes" selected in Q8  Denominator (y): Total number of charts with "Yes" selected in Q7	90%
90% of patients with confirmed abnormal blood pressure will have a targeted physical examination performed looking for secondary causes.	9. If the child or adolescent was found to have elevated blood pressure or hypertension (Stage 1 or Stage 2), was a targeted physical examination performed looking for secondary causes (See Clinical Practice Guidelines, Table 12)? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: % of patients with hypertension or elevated blood pressure in which a targeted physical examination was performed looking for secondary causes  Source: Questions 7 and 9  Numerator (x): Total number of charts with "Yes" selected in Q9  Denominator (y): Total number of charts with "Yes" selected in Q7	90%

## EQIPP: Hypertension - Generalist

90% of patients with abnormal blood pressure will have BOTH upper and lower extremity blood pressure measurements performed.	<p>10. Were upper and lower extremity blood pressure measurements performed?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Upper only</li> <li><input type="checkbox"/> Lower only</li> <li><input type="checkbox"/> Both upper and lower extremities</li> </ul>	<p>Name: % of patients with hypertension or elevated blood pressure in which both upper and lower extremity blood pressure measurements were performed</p> <p>Source: Questions 7 and 10</p> <p>Numerator (x): Total number of charts with “Both upper and lower extremities” selected in Q10</p> <p>Denominator (y): Total number of charts with “Yes” selected in Q7</p>	90%
90% of patients with confirmed abnormal blood pressure will have the appropriate diagnostic testing obtained.	<p>11. Was <u>appropriate diagnostic</u> testing obtained after confirmation of diagnosis of hypertension (see Table 13 of CPG)?</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Some test(s) ordered, but not appropriate</li> </ul>	<p>Name: % of patients with hypertension or elevated blood pressure in which the appropriate diagnostic testing was obtained</p> <p>Source: Questions 7 and 11</p> <p>Numerator (x): Total number of charts with “Yes” selected in Q11</p> <p>Denominator (y): Total number of charts with “Yes” selected in Q7</p>	90%

### Develop a Treatment Plan

Aim	Data Collection Question	Measure	Goal
90% of patients with confirmed abnormal blood pressures will have a written management plan	<p>12. Was a written management plan (including non-pharmacologic and pharmacologic measures</p>	<p>Name: % of patients with hypertension or elevated blood pressure in which a written management plan was provided to the patient/family</p> <p>Source: Questions 7 and 12</p>	90%

## EQIPP: Hypertension - Generalist

provided to the patient/family.	as appropriate) provided to the patient/family? <input type="checkbox"/> Yes <input type="checkbox"/> No	Numerator (x): Total number of patients with "Yes" selected in Q12  Denominator (y): Total number of charts with "Yes" selected in Q7	
	13. If Stage 2 – Hypertension, was the patient referred to a subspecialist? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA – not Stage 2 - Hypertension <input type="checkbox"/> NA – no subspecialist available	Not Measured	90%