



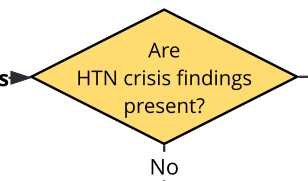
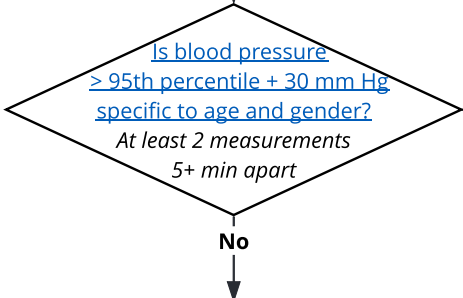
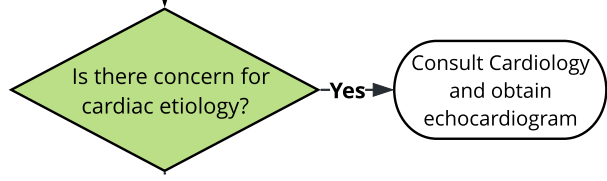
QR code for mobile view

BP For Children Aged 1–13 y	
Normal BP	<90 th percentile
Elevated BP	≥90 th percentile to <95 th percentile or 120/80 mmHg to <95 th percentile (whichever is lower)
Stage 1 HTN	≥ 95 th percentile to <95 th percentile + 12 mmHg or 130/80 to 139/89 mmHg (whichever is lower)
Stage 2 HTN	≥95 th percentile + 12 mmHg or ≥140/90 mmHg (whichever is lower)

BP For Children Aged ≥13 y Normal BP	
Normal BP	<120/<80 mmHg
Elevated BP	120/<80 to 129/<80 mmHg
Stage 1 HTN	130/80 to 139/89 mmHg
Stage 2 HTN	>140/90 mmHg

Flynn et. al., (2017)

Assessment and treatment for inpatients, ≥ 1 year of age, with previously undetected hypertension



Patient experiencing hypertension emergency:

Transfer to PICU for:

- In-depth evaluation, including echocardiogram
- BP control using continuous infusion of short-acting antihypertensive medication

Patient experiencing hypertension urgency:

- Consult Renal Service
- Obtain echocardiogram

- Concern for Cardiac Etiology**
- Four extremity blood pressure indicative of coarctation
 - Known congenital heart disease
 - Chest pain
 - Any other risk factor for aortic dissection

- Hypertensive crisis findings**
- Encephalopathy
 - Seizures
 - Facial palsy
 - Retinopathy
 - Intracerebral hemorrhage
 - Acute kidney injury
 - Heart Failure
 - Cardiac arrhythmias
 - Cushing's Triad

- Renal Ultrasound**
- Order with Doppler if concerned for renovascular hypertension (e.g. elevated renin/aldosterone, abdominal bruits, hypokalemia with metabolic alkalosis)
 - Otherwise ultrasound without Doppler is sufficient

Evaluate:

- Review [medication list](#) for HTN associated drug
 - Consider observation without further evaluation if HTN associated with toxidrome
- Assess plotted BMI
- Obtain history for symptoms of obstructive sleep apnea
- Assess for renal/abdominal bruits
- Assess for femoral pulses

Obtain labs:

- Electrolytes, creatinine, & serum calcium
- Plasma aldosterone
- Plasma renin activity
- Urinalysis
- Free T4

Radiology:

- Renal Ultrasound

