



Improve Blood Pressure Control for Patients with Hypertension

Aim: Open Door Community Health Centers' Del Norte Community Health Center will partner with OCHIN Epic and the America Medical Association to improve blood pressure control rates by 6% among patients with hypertension from 55% to 61% by January 31, 2020. Adequate blood pressure (BP) control is defined as BP was < 140/90mm Hg for patients 18-85.

Measures:

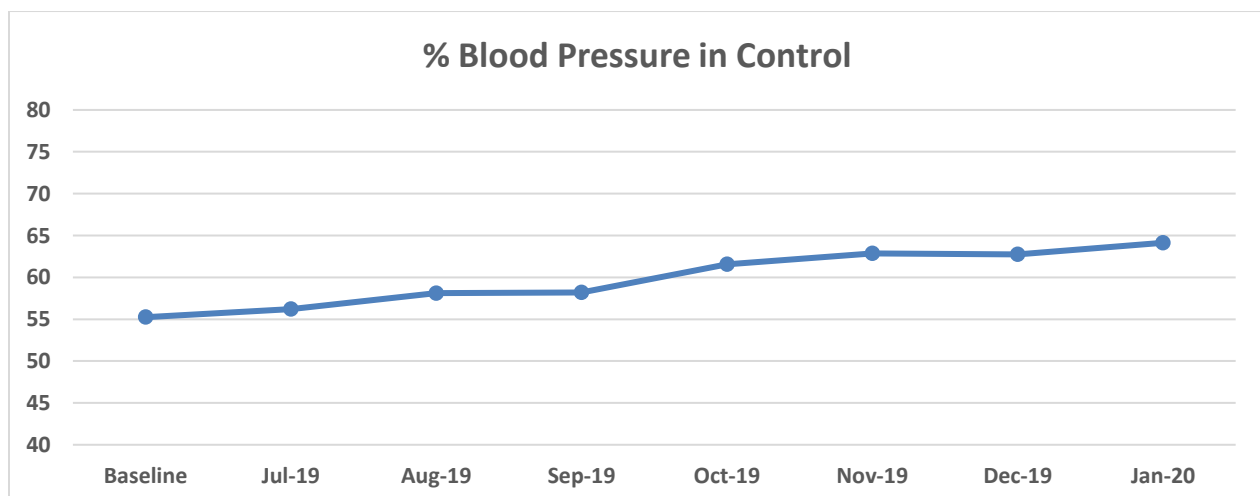
- ❖ Outcome Measure: The percent of hypertensive patients for whom the last BP measurements at an ambulatory care visit were at goal, defined as systolic BP (SBP) < 140 mmHg and diastolic BP (DBP) < 90 mmHg (NQF 0018);
- ❖ Outcome Measure: The percent of hypertensive patients with uncontrolled BP during months 1-9 of the measurement period who had an improvement in blood pressure defined as either a reduction of 10 mmHg in SBP or achievement of SBP that is "adequately controlled" (SBP <140 mmHg) in months 10-12 of the measurement period;
- ❖ Process Measure: The percent of repeating a blood pressure measurement in the same visit when the first measurement done in clinic is high (SBP \geq 140 mmHg or DBP \geq 90 mmHg);
- ❖ Process Measure: The percent of patients whose BP is greater than 140/90 and had a medication intensification.

Changes Being Tested:

- ❖ Utilized the American Medical Association (AMA) [BP MAP Program](#);
- ❖ Trained staff to take an accurate BP reading using a fully automated BP device;
- ❖ Conducted provider education on acting rapidly to intensify medication when BP is out of range using treatment protocols recommended by AMA;
- ❖ Partnered with patients by using collaborative communication strategies to increase engagement and promote adherence to the care plan;
- ❖ Provided BP measurement devices to patients and trained them how to use it and when to communicate their readings to their provider;

Results: In reviewing the final outcome run charts (below), the interventions were successful in improving blood pressure control for patients at the Del Norte Community Health Center..

- ❖ Outcome Measure: Adequate blood pressure (BP) control.
Baseline: 55.24% [N=2,176] Result (1/31/2020): **64.13%** [N=2,219]
Timeframe: Most recent visit in the Measurement Period (MP)*
Metric Denominator: Patients who are considered hypertensive and eligible for BP control

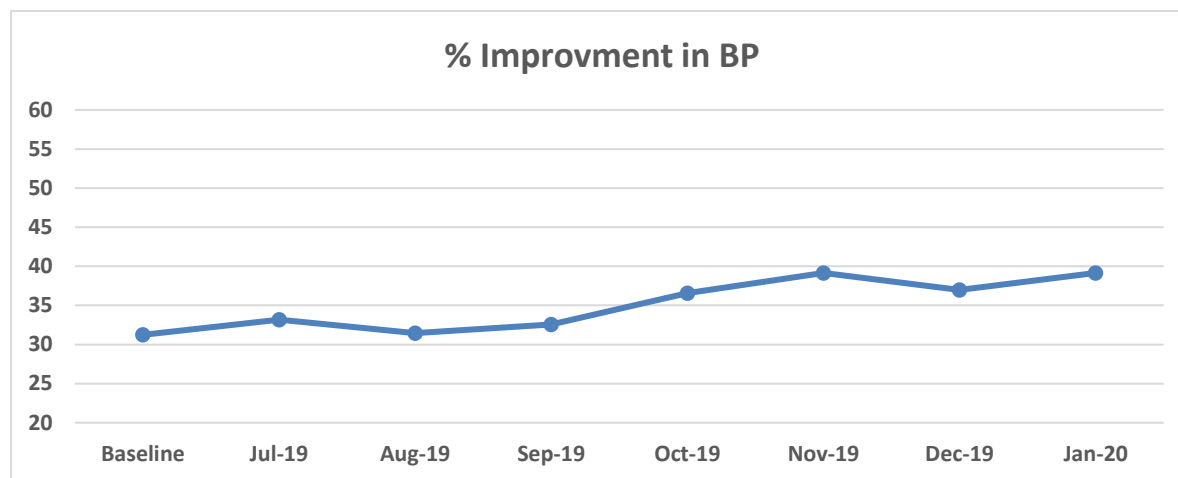


❖ Outcome Measure: Percent Improvement in BP

Baseline: 31.24% [N=813] Result: **39.13%** [N=667]

Timeframe: Most recent visit in months 1-9 of the MP compared to most recent visit in months 10-12 of the MP.

Metric Denominator: Patients considered hypertensive and have uncontrolled BP during months 1-9 of the MP.

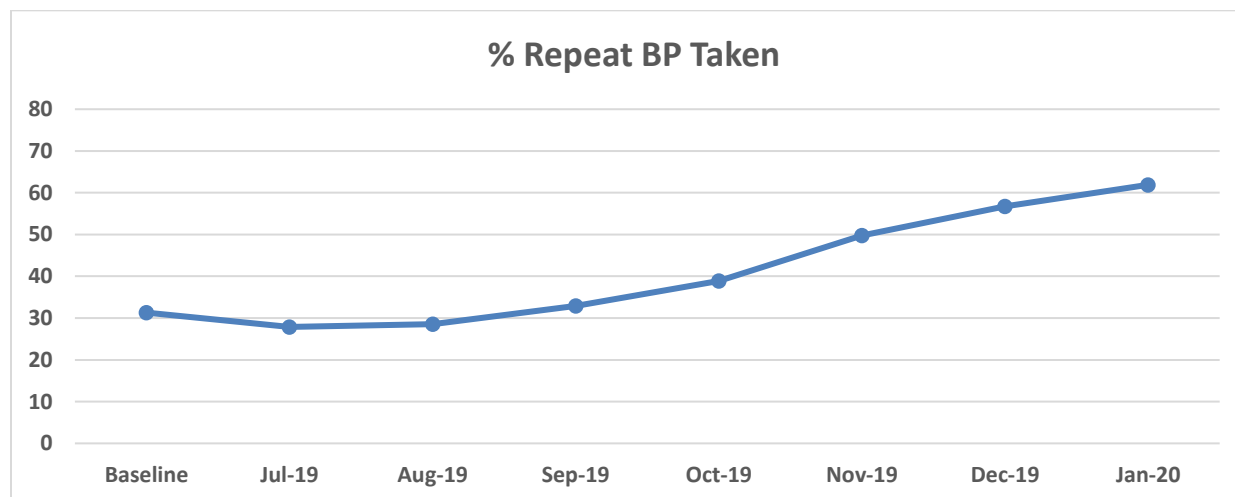


❖ Process Measure: Percent Repeat BP Taken

Baseline: 31.29% [N=914] Result: **61.9%** [N=1,055]

Timeframe: Visits in months 10-12 of the MP

Metric Denominator: Visits with a high BP measurement



Future Plans: All the interventions are being spread across the organization—11 health center sites. The QI department is utilizing consistent all-staff news and huddles, standing all-staff and care team meetings, and health center champions to ensure a successful spread of these best practices. Health center sites also receive weekly reports on the 2nd BP protocol and can automatically run reports on their HTN performance. The team also plans to continue testing the following change ideas:

- ❖ Nurse-led HTN group visits
- ❖ HTN medication titration nurse visits
- ❖ Advance HTN medication management provider education and case studies