

Improving Hypertension Management with Blood Pressure Rechecks

Robert Corty

Moncure Community Health Center
Piedmont Health Services

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Problem

- ▶ HTN → ↑coronary artery disease, stroke, etc. (CDC, 2015).
- ▶ 54% of pts with HTN are not well-controlled (Farley, 2010).
- ▶ HRSA quality metric: percentage of pts with BP <140/90.
- ▶ HTN management is a 2018 quality focus area for MCHC.
- ▶ Intake BP is often higher than resting BP (Beevers, 1982).
- ▶ Clinic policy: recheck all BP's >140/90.
- ▶ Goals:
 - 1 Accurate data → quality HTN management
 - 2 Achieve HRSA quality goal

Interventions and Aims

Interventions

- 1 Describe policy and how to enter data into EMR at April all-hands meeting.
- 2 During April, talk to MA's individually when I notice missed recheck opportunity. Use teach-back on data entry into EMR.

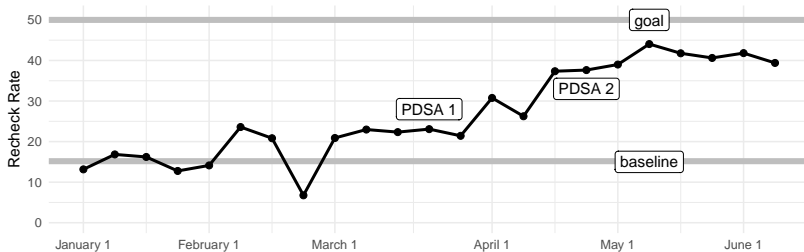
Aims

- 1 Improve adherence to clinic policy
- 2 Assess the value of current policy on BP rechecks

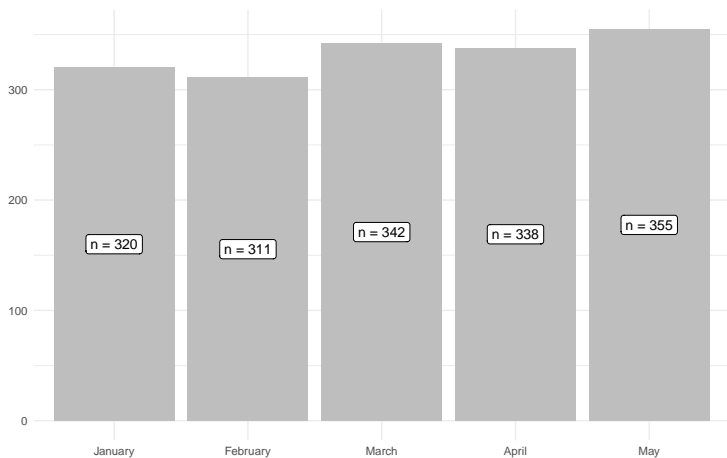
Progress in Recheck Rate

Blood Pressure Recheck Rate, by week

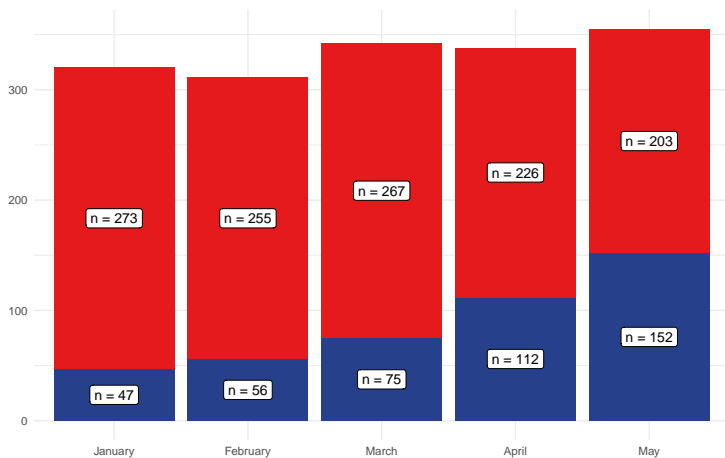
Moncure Community Health Center, January 1, 2018 – June 7, 2018



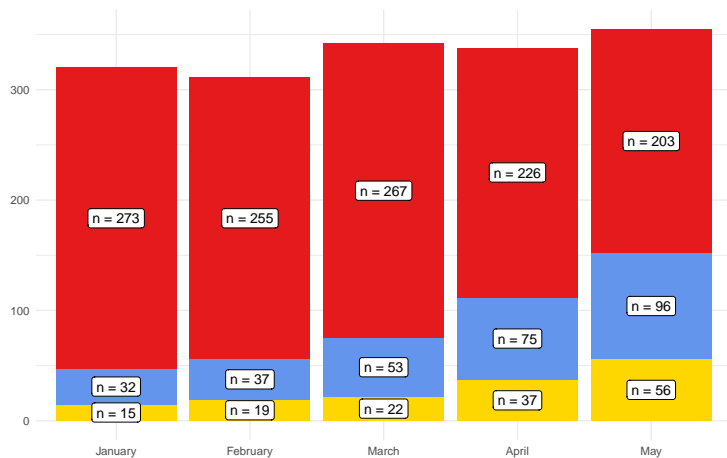
Outcomes of Encounters Eligible for Recheck



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Outcomes of Encounters Eligible for Recheck



Results and Conclusions

Results

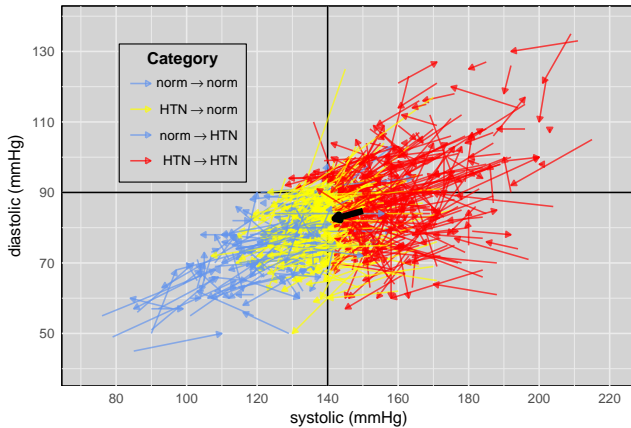
- ▶ Documented recheck rate 15% → 40%
- ▶ 50 → 150 rechecks per month (of 350 indicated)
- ▶ Consistently, 33% of rechecks lead to HTN → normoTN
- ▶ 15 → 50 “reveals” of normoTN per month

Conclusions

- ▶ At a recheck rate of 100%, we would achieve 150 reveals of normoTN per month
- ▶ Patients with $140 < \text{SBP} < 150$ have $>40\%$ chance of normoTN reveal — prioritize them

Thank you!

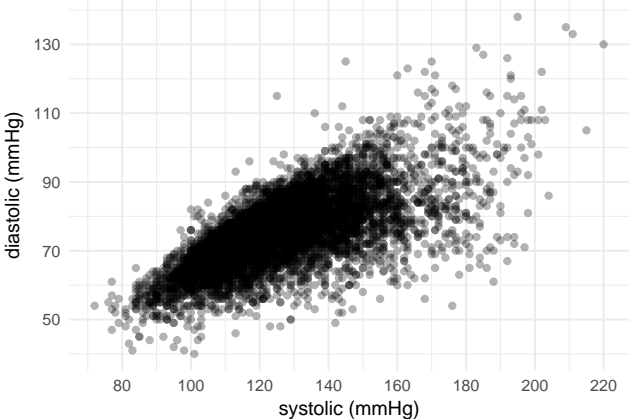
Arrow Plot



Blood Pressures

Initial Blood Pressure

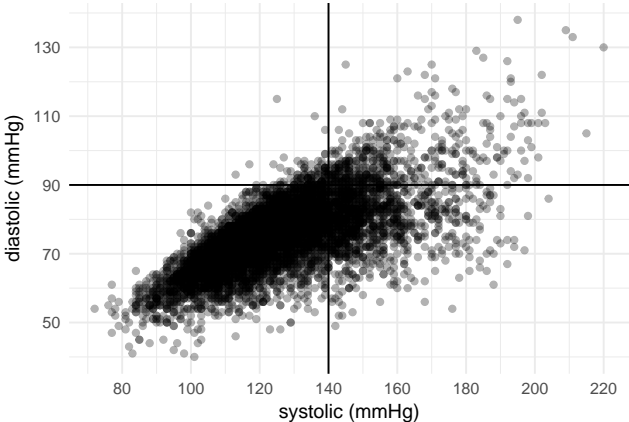
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Blood Pressures

Initial Blood Pressure

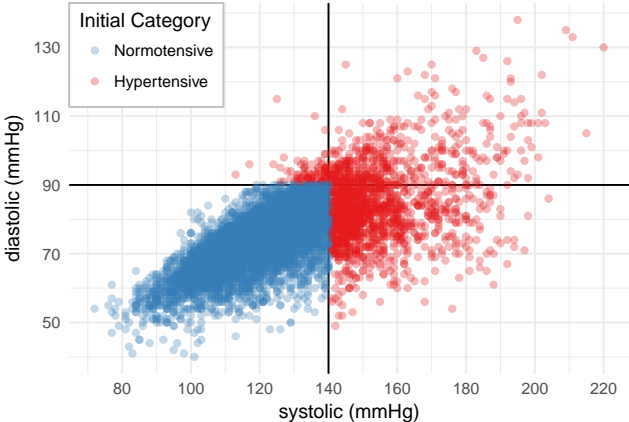
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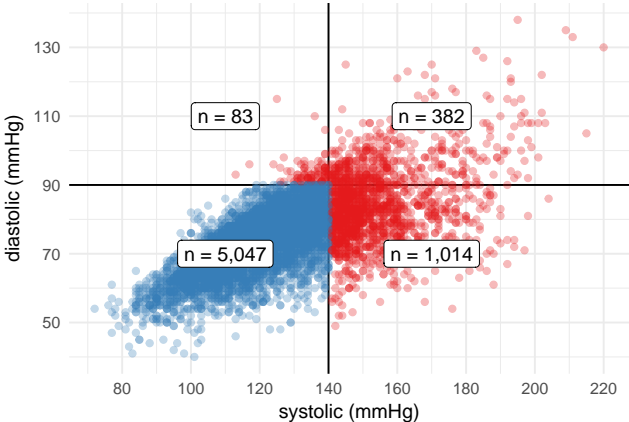
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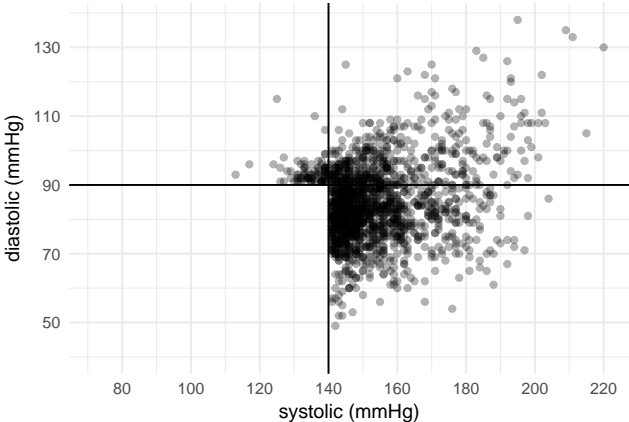
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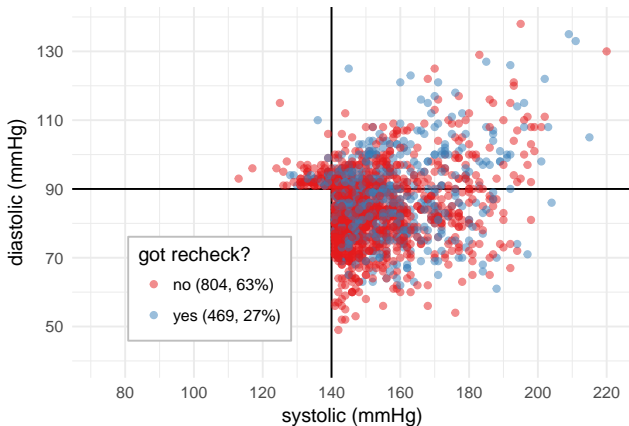
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Blood Pressures

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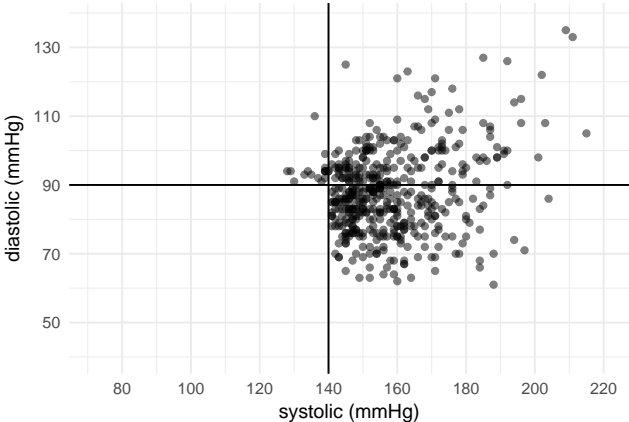
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Blood Pressures

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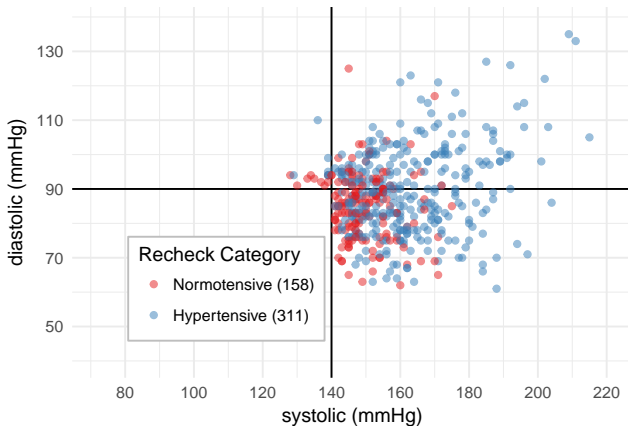
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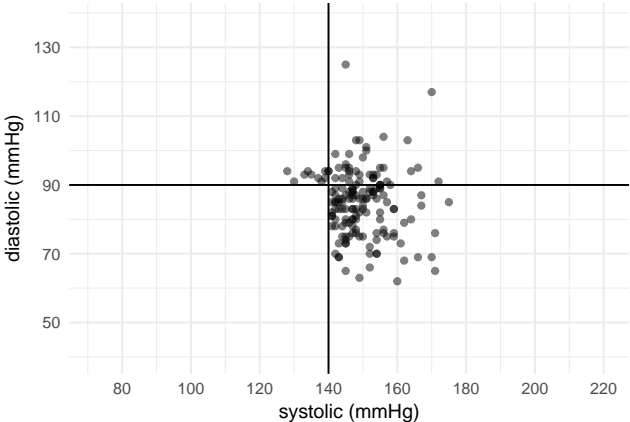
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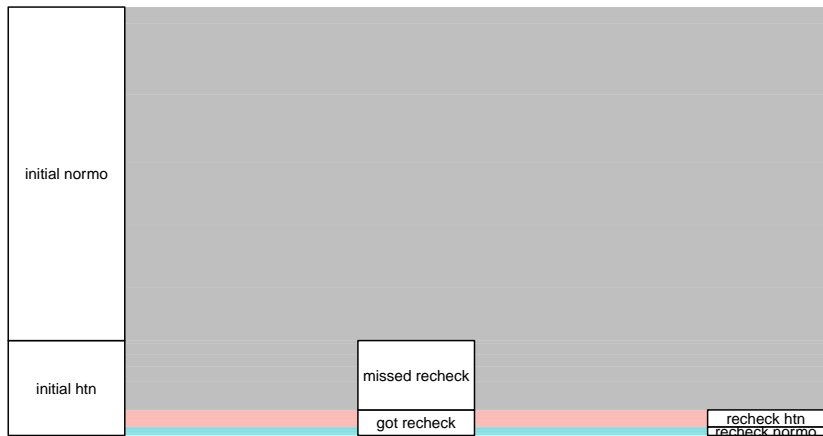
Initial Blood Pressure

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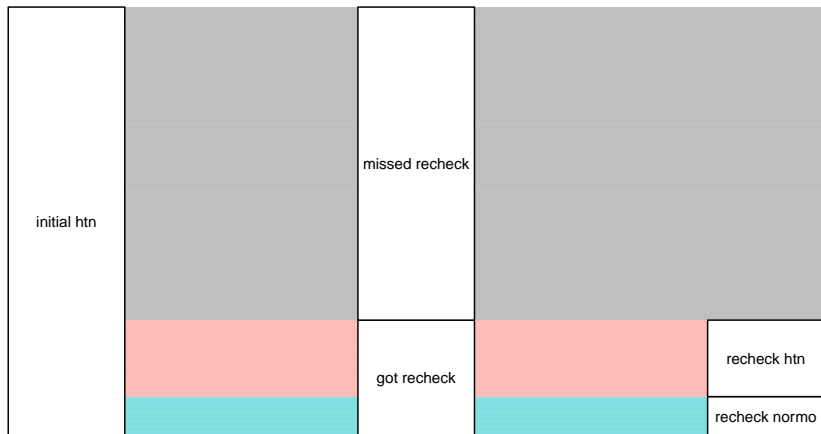
The Pipeline

January 1, 2018 to June 7, 2018



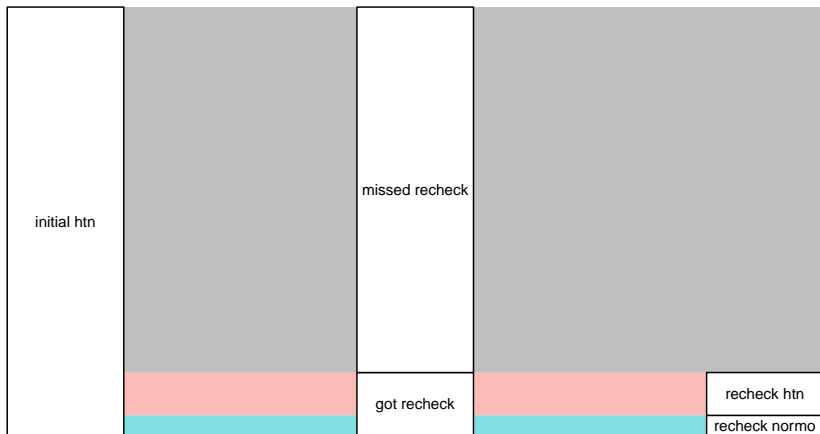
The Pipeline

January 1, 2018 to June 7, 2018



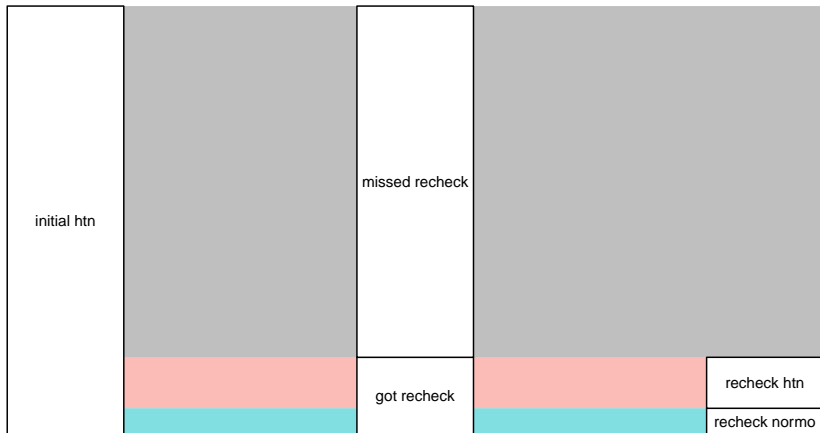
The Pipeline

January , 2018



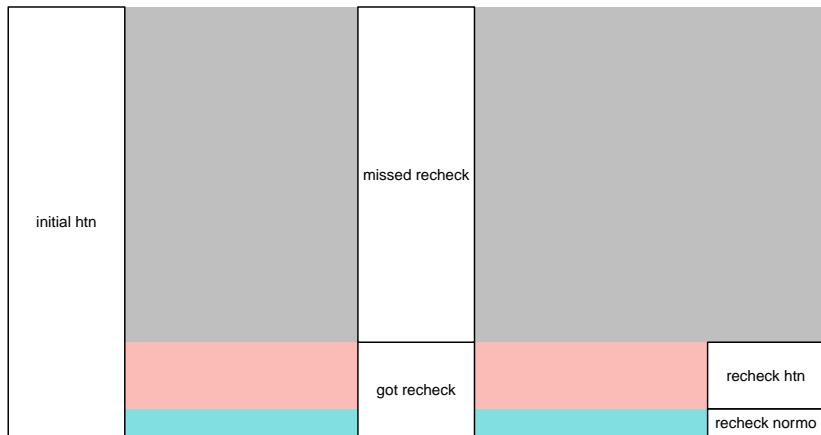
The Pipeline

February , 2018



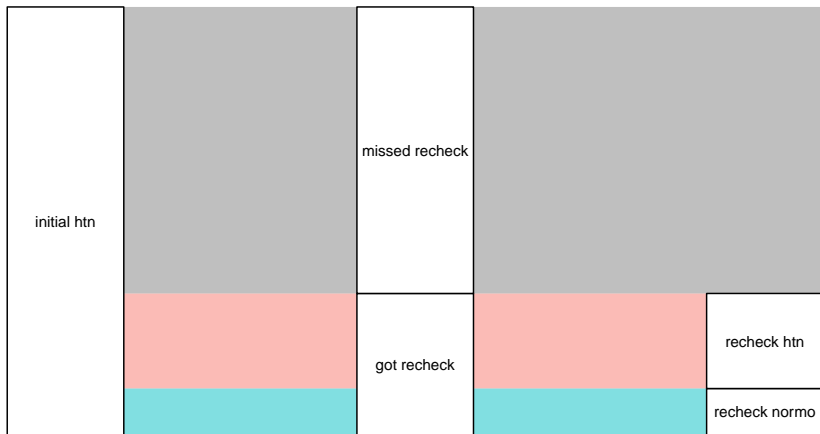
The Pipeline

March , 2018



The Pipeline

April , 2018



The Pipeline

May , 2018

