Supporting Proactive Diabetes Screenings to Improve Health Outcomes

AllianceChicago

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A non-profit national network of more than 40 community health centers serving the least resourced members of their communities
- 23 years old
- Obese (BMI 30)
- Family history of Diabetes
- Hypertension
40-70 years old
BMI ≥ 25
How well do the screening guidelines do?

- ✔ 40-70 years old
- ✔ BMI ≥ 25
Our Goal:

- ✓ 40-70 years old
- ✓ BMI ≥ 25
Data

De-identified EHR
- Demographics
- Visits
- Lab results
- Medications
- Diagnoses

External
- American Community Survey (ACS)

- 1.1 million patients
- 24 health centers
- ~8 million visits
How well do the guidelines do?

53%
How well does our model do?

63%
How well does our model do?

- 53% at 15 percent visits screened
- 63% at 20 percent visits screened
How well does our model do?

The graph shows the percent true cases detected across different percent visits screened.

- 15% visits screened: 53% true cases detected
- 20% visits screened: 63% true cases detected
- 25% visits screened: 74% true cases detected

The data suggests that as the percent of visits screened increases, the percent of true cases detected also increases significantly.
Predict risk of Type II Diabetes

Personalize Screening Decisions

Connect to interventions and services

Prevent diabetes and improve health