

Learning Objectives

- Identify leading causes of care variation for chronic heart failure patients.
- Discuss the methods employed to standardize care for chronic heart failure patients.

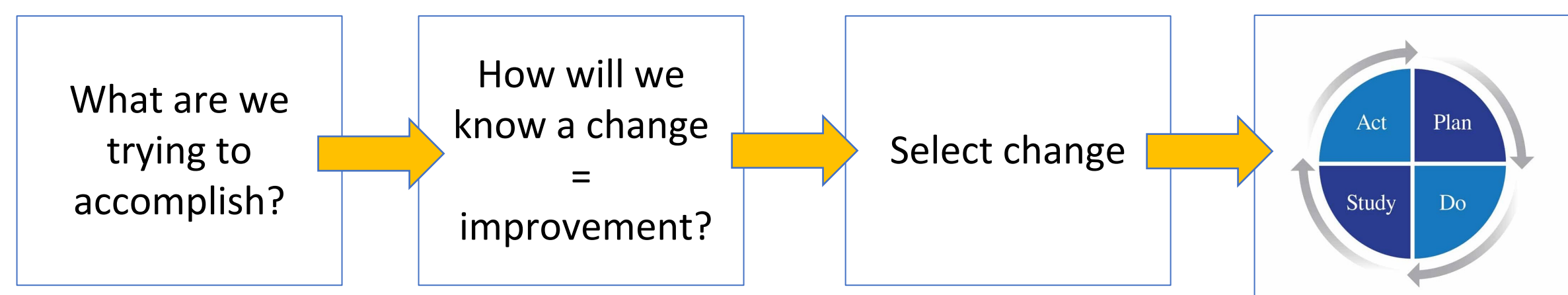
Problem Statement

In 2019, CHF was identified as one of the conditions with a great potential to impact MUHC's Vizient ranking. In 2019, MUHC was ranked 34 out of 99 in mortality, 88 out of 99 in readmissions. This performance prompted the implementation of a quality improvement program.

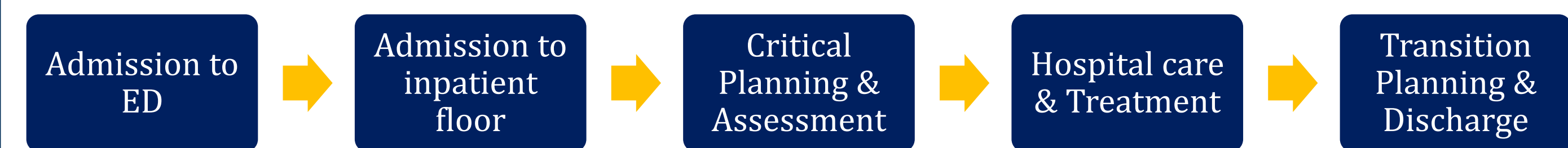
Goal

To achieve the top quartile in Vizient AMC ranking in the domain of mortality, readmissions, by the end of 2021.

Our Approach



Current State Gap Analysis

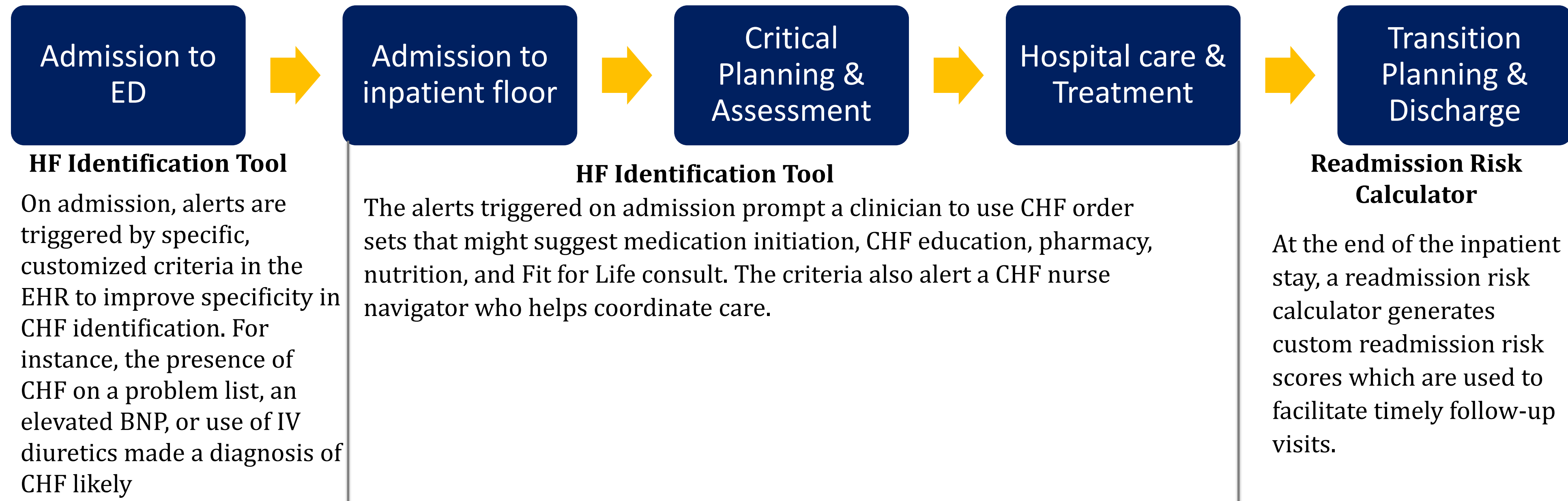


- A process map was drafted to outline failure points in current systems and workflow.
- The process map pointed to deficiencies in existing information systems that linked timely disease identification to timely (and appropriate) treatment protocol and follow-up.
- More than 50% of patients who were discharged with a diagnosis of CHF weren't identified as having the disease early in the hospitalization, thus delaying appropriate care

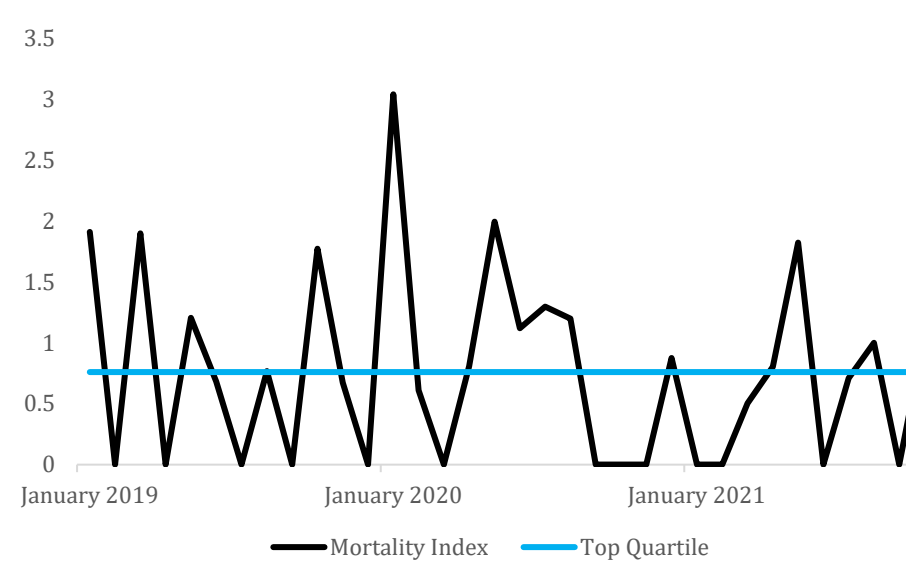
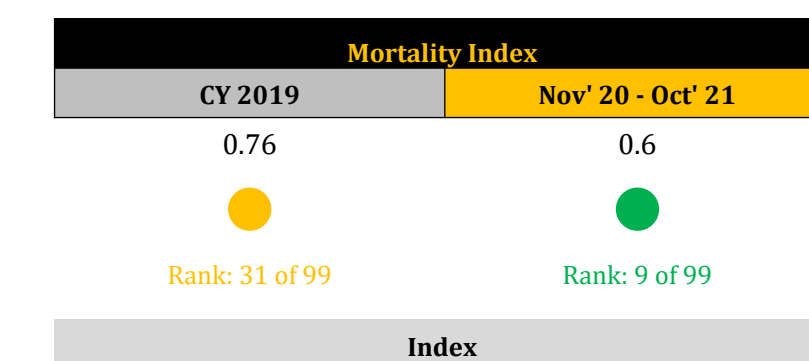
Solution

Integration of two clinical decision support tools into the Heart Failure Clinical Pathway:
 1. CHF Identification tool
 2. Readmission Risk Calculator

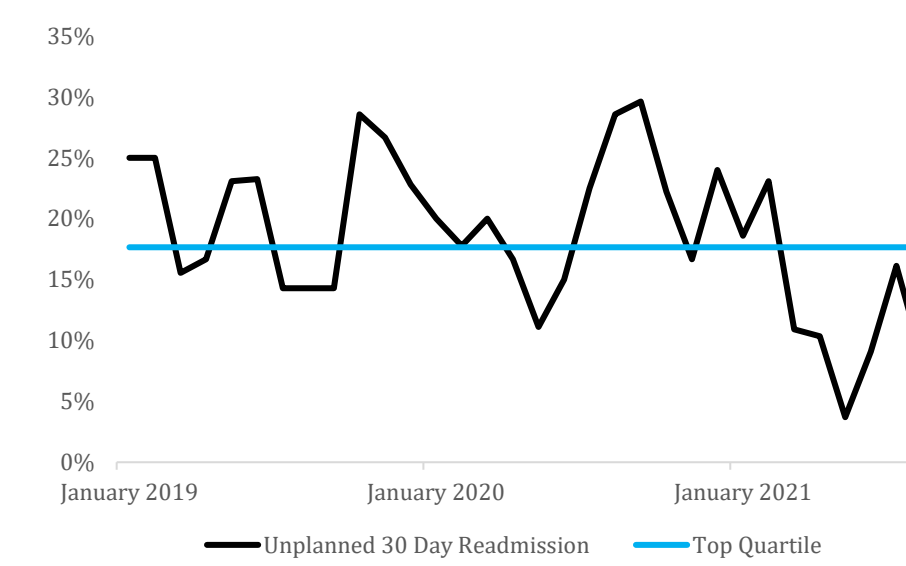
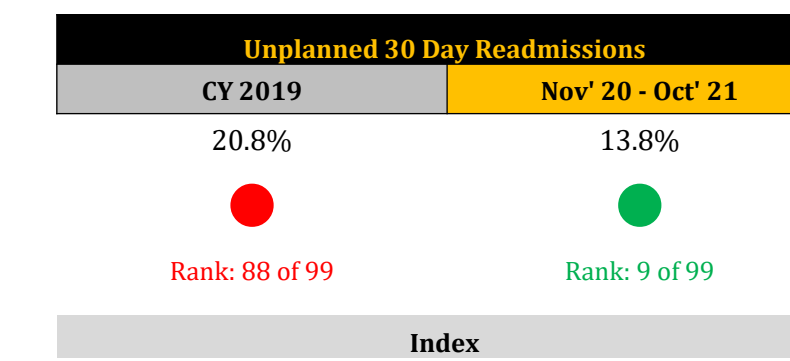
How it works



Results & Lessons Learned



34% Reduction compared to baseline



34% Reduction compared to baseline

- Bridging the care gap
- Involvement of all heart failure stakeholders
- Accountability Structure

Pop-up Alert Ensures Appropriate Follow-up Timeframe

The screenshot shows a medical order entry interface with several tabs: 'Details', 'Order Comments', and 'Diagnoses'. Below the tabs are icons for adding, deleting, and saving. The main form contains several fields:

- *Follow Up - Child Health: [Yellow dropdown]
- *Follow-up with Provider: [Yellow dropdown]
- *Follow Up Appt Timeframe: [Yellow dropdown with a list open]
- *Coordinate with imaging/dia...: [Yellow dropdown]
- Reason for Procedure/Exam: [Text input]
- Overbook, per Attending:: [Text input]
- Comment: [Text input]
- Original Referring Provider_EKM: [Text input]

The dropdown menu for '*Follow Up Appt Timeframe' is open, showing the following options:

- Within 3 Days (highlighted)
- Within 7 Days
- Within 14 Days
- Within 1 Month
- Within 3 Months
- Within 6 Months
- Other

Fig 2: (Alert for HIGH RISK readmission)

The screenshot shows a pop-up alert window titled 'Discern: (1 of 1)'. The main heading is 'FOLLOW UP' in large red letters. Below the heading is a text box with the following message:

This patient is at high risk for readmission. At least ONE follow up should be considered within 7 days of discharge per QHIP measures. Return to the order to adjust the timeframe or continue ordering if not appropriate for this follow up appointment.

Below the text box are two radio button options under the heading 'Alert Action':

- Continue Ordering
- Adjust Timeframe

Heart Failure Identification Tool: Algorithm

