Quality Metric Dashboards using Epic Healthy Planet

Case Study

Challenge
Contineo’s client, Children’s Hospital Colorado (CHCO) wanted to implement a custom quality metric dashboard to track Colorado State’s Primary Care Alternate Payment Model measures for reporting year 2018. CHCO has identified 15 trackable measures. Among them are Well Child Visit Metrics, Depression Screening Metrics, and Medication Adherence Metrics for Asthma Patients and Immunization metrics.

Solution
Epic Healthy Planet and Registries
Managing patient populations with specific chronic diseases is not only a primary concern for US Healthcare but is critical to any organization’s success with emerging models of care and reimbursement. Healthy Planet is Epic’s population health and accountable care module. Contineo can help and guide healthcare organizations track patient populations, as well as measure and improve care processes and outcomes over time using Epic Healthy Planet tools.

Quality Metric Dashboards
Utilizing the information collected by the configured registries we can design dashboards that can aggregate quality measure data for different patient populations. We can define logic for numerator, denominator and exclusion criteria thus similar to standard national quality measures. These real time dashboards can then show at a provider or department level how well they are doing on a certain metric.

Reports
Drill down reports can be built from the dashboard that can show more information on why exactly a patient didn’t qualify for a metric’s numerator etc. These reports can be utilized to identify any care gaps and help improve the performance over time.

Company

Contineo Health is a healthcare IT consulting firm specializing in:

- Population Health (Epic Healthy Planet, Risk Stratification)
- Data Optimization (Epic Clarity, Caboodle, Radar, Slicer Dicer)
- Clinical Workflow Optimization
- Revenue Cycle Optimization
- Quality Measure Optimization (MIPS, MU, PQRS, CPC+, DSRIP)

Client

Children’s Hospital CO is one of America’s top ranked Pediatric Academic Medical Centers in the US. CHCO successfully implemented Epic Healthy Planet in 2018 and the first wave consisted of Care Coordination Workflows, Dashboards, Custom Quality Metrics, Registries, External Data. Future waves are planned for implementing HP Link, Happy Together, Social Care module etc.
Contineo helped CHCO define the logic to look at internal EHR clinical data, charge data and external data coming through Epic’s Care Everywhere and immunization registries.

This dashboard provided the care providers with real time feedback on quality measurement and an easy way to identify and mitigate potential care gaps. Each metric shows the metric adherence as a percentage based on numerator/denominator definition. We have set metric specific thresholds with different color cues (green/yellow/red) based on standard benchmarks. Each metric also includes individual drill down reports listing the patients that have qualified for numerator, denominator or exclusions. Below is a sample metric.

**Results**

CHCO has seen a preliminary ~5% increase in adherence across the metrics over a 3-month pilot period after implementing the dashboards. Future development will include integrating external claims data through Epic Caboodle and extending the dashboards to community providers through EPIC Healthy Planet Link.