



Background

Clinical decision support tools are effective methods to implement evidence-based practice recommendations into care. Prior to 2022, an analyst in the Information Services (IS) department completed evidence-based (“EB”) order set builds in Epic with an Evidence-Based Practice Specialist taking the role of liaison between the guideline development team and IS. This process was inefficient and resulted in delays in clinical decision support build due to communication lag times and competing priorities in the IS department.

Project Aims

To develop an efficient process for evidence-based clinical decision support build and to improve turnaround time from evidence-to-practice change.

Methods

Leadership from the Evidence-Based Outcomes Center (EBOC) and the IS Department developed a partnership to enable Epic build training for evidence-based practice specialist. The role of the EBP Clinical Decision Support Specialist was developed with the following responsibilities:

- Build clinical decision support tools in Epic
- Coordinate migration of clinical decision support tools into the electronic record environment without assistance from an IS analyst
- Define a process to track order set update and review

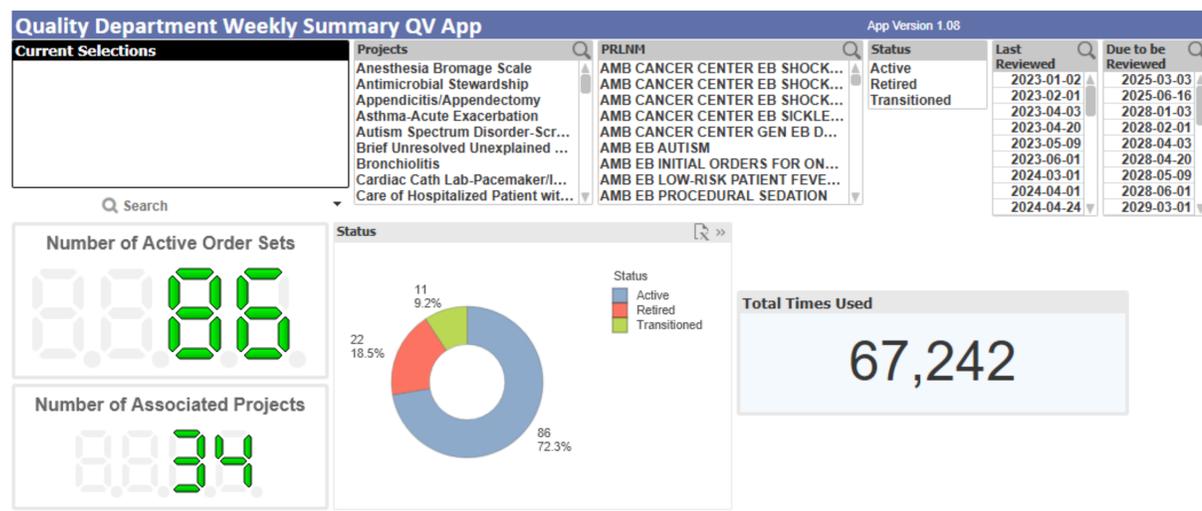
Results

Under the new process:

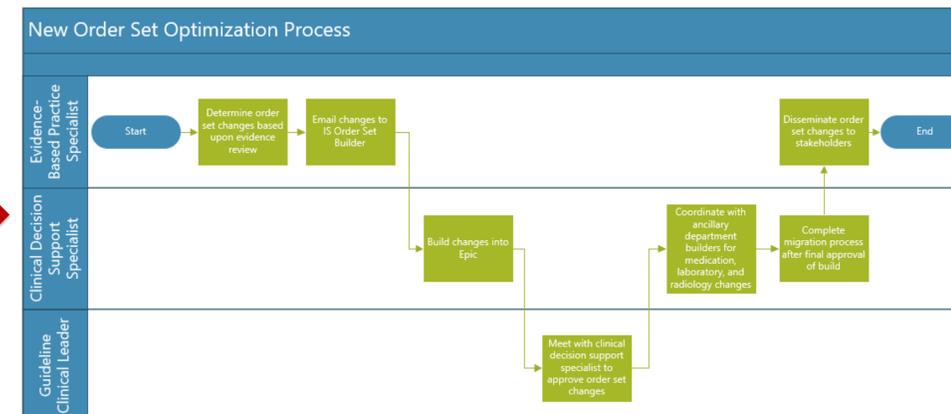
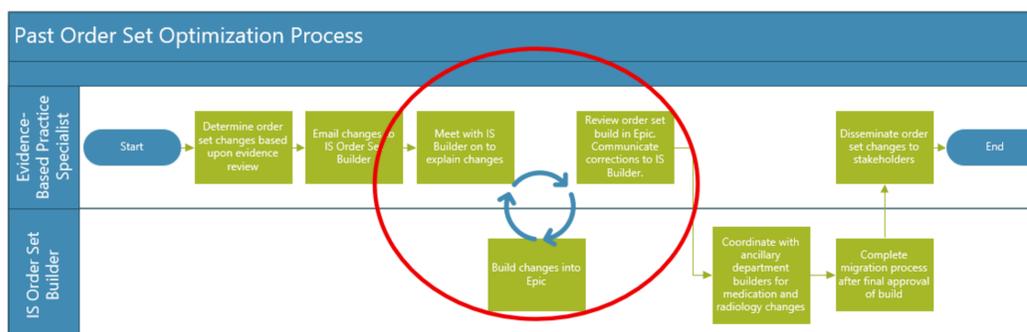
- 2 new Best Practice Advisories (BPAs) were developed
- 46 order sets were updated
- 22 outdated order sets were retired
- 11 order sets were transitioned to medical services to manage as standard of care

The EBOC department established a process to track the data points below for “EB” order sets, which allows compliance with regulatory standards.

- Last reviewed date
- Scheduled review date
- Utilization over the last calendar year



The transition from IS to a clinically experienced EBP Clinical Decision Support Specialist streamlined the order set development process and enhanced workflow efficiency by eliminating the cyclical order set review process for the evidence-based practice specialist.



Discussion

The process of developing a EBP Clinical Decision Support Specialist for EBOC has improved efficiency and throughput in the development, update, and tracking of clinical decision support tools. The department now has the capability to monitor data related to clinical decision support build and maintenance.

Next Steps

Further efforts will focus on leveraging utilization data to identify and revise order sets to better align with clinical workflows and enhance patient care. Future goals are to expand past order set development and integrate evidence-based recommendations into the electronic health record through other Epic functionalities such as Our Practice Advisories (OPAS), and Care Paths.