

Improving an Evidence-Based Medication Review Program with Technological Efficiencies and Cost-Savings



Background

Health Quality Innovators (HQI) facilitates the Blue Bag Initiative (BBI), a long-standing intervention that supports medication reviews and reconciliation at hospital discharge and in the community. BBI involves pharmacists and empowers patients to be more engaged with their safe medication utilization to avoid unnecessary hospital stays and adverse drug events.

Opportunity

This program includes data collection and reporting by participants. The previous collection process involved multiple people and many steps, and a monthly report for participants. The process took at least three weeks to complete, between data submission and report receipt.

Improvements

HQI developed a new automated, secure data collection and report portal. Through this web-based portal, bulky email reminders and communication processes for data entry were no longer needed and report generation was streamlined to 24 hours.

Brief informational and how-to videos, accessible on the portal, were developed to help potential and existing participants become familiar with the program and processes.

Pilot testing was conducted with three BBI participants. All participants received individual orientation sessions to transition their access to the portal.

BBI participants receive access to program data on an interactive dashboard within 24 hours of data entry vs. a static data report after one month.

Overall Program Impact

Program to-date data from November 2019-December 2023:

15,333

patients received a Comprehensive Medication Review (CMR)

10,544 (69%)

CMR patients
with a potential Adverse Drug Event (pADE) identified

8,893 (58%)

patients were able to state the purpose and timing of their medications after CMR

These reviews showed cost-savings attributed to avoidable ADEs between

\$3,334,928 - \$4,884,246¹

The BBI is one of HQI's disparity reduction interventions.

¹ Savings are calculated using Potential Cost Savings by Prevention of Adverse Drug Events with A Novel Medication. VCU Health.

Blue Bag Initiative

Overview and Introduction

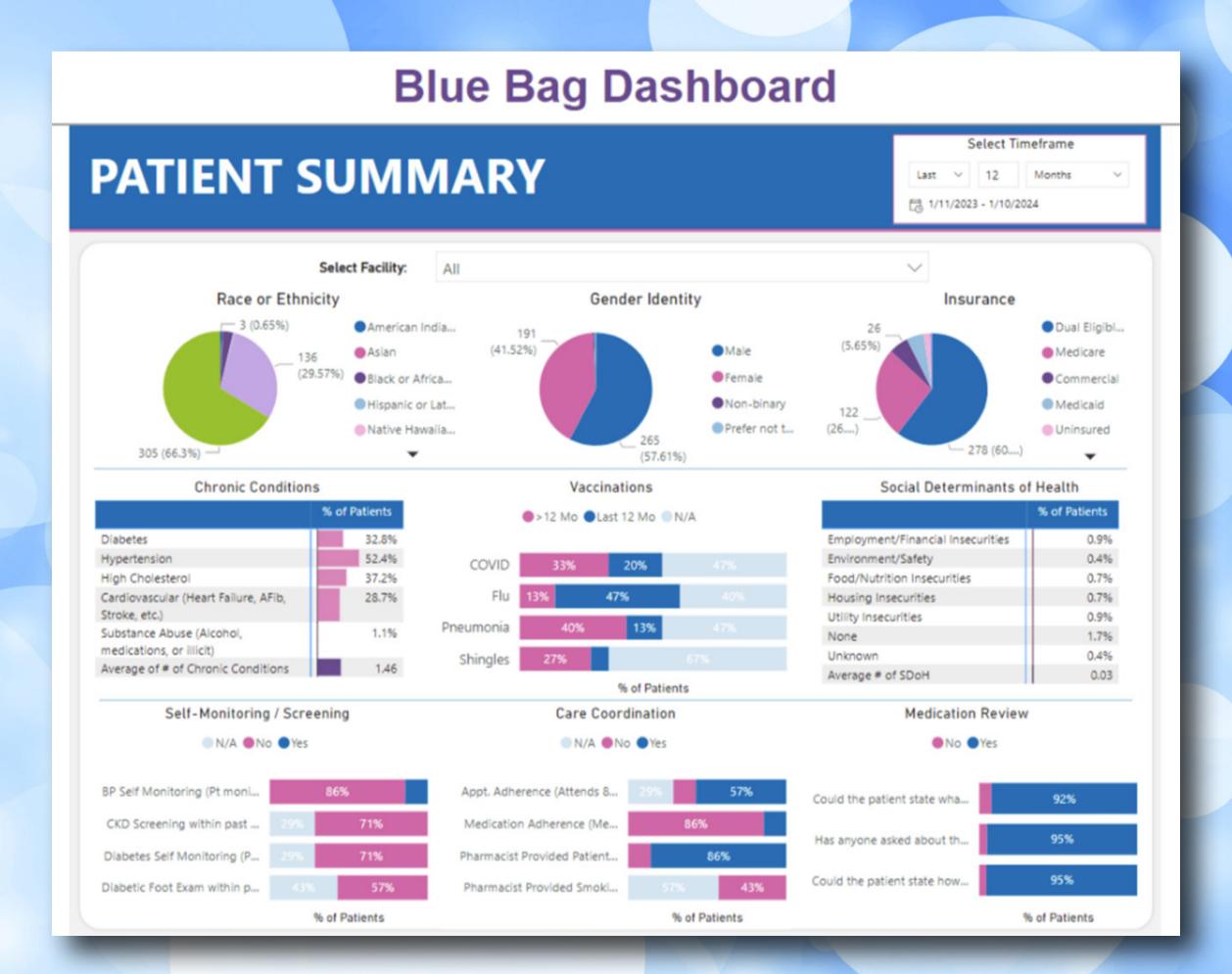


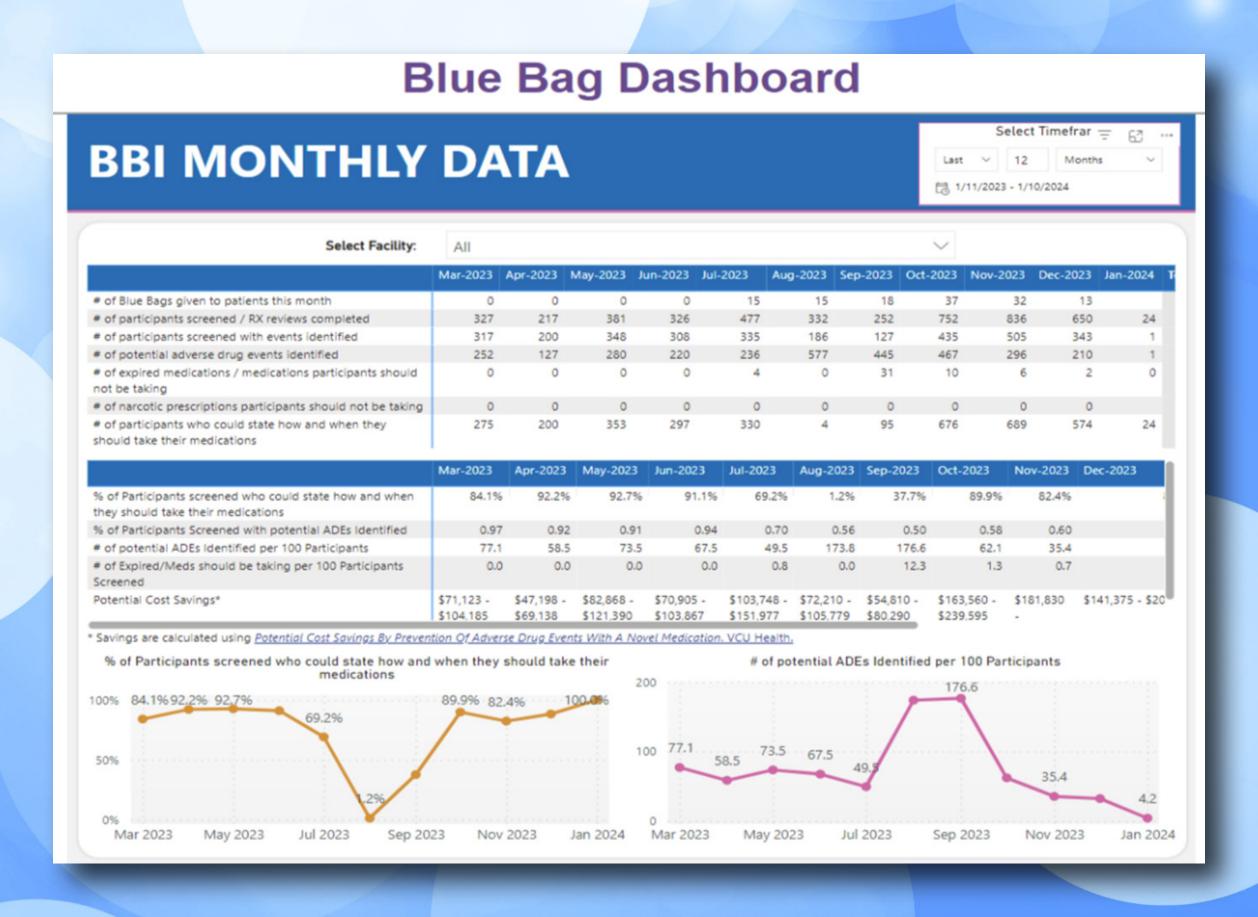
QIO-0705-01/09/24



Scan to View the Learning Module

Blue Bag Initiative Participant Portal





"HQIN is a valuable asset to my pharmacy practice. In addition to providing timely and applicable literature regarding current trends in pharmacy practice, Cindy and her team support my institution by providing patient resources in the Blue Bag program, allowing easy documentation of my daily activities and up-to-date cost savings to share with organization leadership." - BBI Participant



