ASSESSING PATIENT-REPORTED OUTCOMES WITHIN AN INFLAMMATORY BOWEL DISEASE CLINIC AT AN INTEGRATED CARE CENTER



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BACKGROUND

- Inflammatory bowel disease (IBD) impacts a patient's quality of life and routine functioning.1
- Patient reported outcomes (PROs) can help assess disease status and response to medication therapy. Vanderbilt Specialty Pharmacy collects PROs through the monthly refill questionnaires (MRQs).
- Short inflammatory bowel disease questionnaire (SIBDQ) and patient health questionnaire (PHQ) are disease specific PROs routinely collected to assess disease status. An inflammatory lab marker C-reactive protein (CRP) can also be used.²

OBJECTIVE

To evaluate PROs in patients prescribed specialty medications by a health-system based outpatient IBD clinic and dispensed by an integrated specialty pharmacy.

METHODS

Single-center retrospective analysis **DESIGN**

Patients with IBD prescribed a specialty

medication with:

• 2+ fills through the center's specialty **INCLUSION** pharmacy, and

• 2+ MRQ responses

TIME PERIOD January through March 2020

Patient-reported adverse events, missed doses and medication effectiveness OUTCOME

SECONDARY To evaluate change from patient's baseline **OUTCOMES** using: SIBDQ, PHQ, and CRP

RESULTS

TABLE 1. COHORT DEMOGRAPHICS (N=181)

	n (%)
Age, years, median (IQR*)	42 (33,55)
Gender, female	95 (52%)
Race	
White	167 (92%)
Black or African American	9 (5%)
Asian	3 (2%)
Unknown	1 (<1%)
Insurance type	
Commercial	140 (77%)
Medicare	33 (18%)
Medicaid	4 (2%)
Other	4 (2%)
*Interquartile range	

181 PATIENTS 515 MONTHLY REFILL QUESTIONNAIRES COMPLETED

FIGURE 2. MISSED DOSES (N=181)

94% (n=170) of patients reported NO missed

6% (n=11) of patients reported at least 1 missed dose

Ran out of medication (n=1) Need follow-up MD appointment prior to refills (n=2) Forgetfulness (n=2) Held due to illness or procedure (n=3) Hospitalization (n=4)

RESULTS

TABLE 2. IBD STATUS AND CHARACTERISTICS (N=181)

n (%) **IBD Type** Crohn's 158 (87%) **Ulcerative Colitis** 23 (13%)

Crohn's Type

Fistulizing disease 74 (47%) 69 (44%) Stricturing disease Perianal disease 60 (38%)

Disease extent

Both small bowel and colonic 58 (37%) Small bowel only 34 (22%) Colonic 31 (20%) 28 (18%) All sites 7 (4%) lleal Previous IBD surgery, yes 79 (50%) 106 (66%)

FIGURE 3. ADVERSE EVENTS (N=181)

Previous biologic therapy, yes

99% of patients reported NO adverse effects

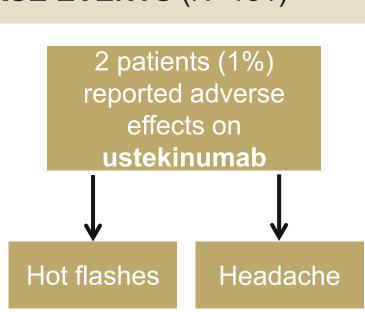


FIGURE 1. IBD SPECIALTY MEDICATIONS

(N=181)

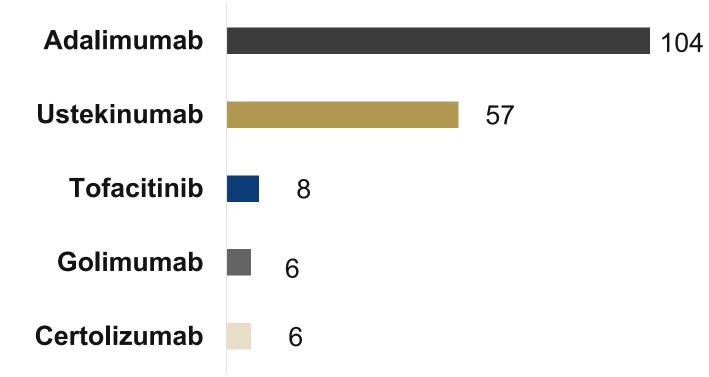
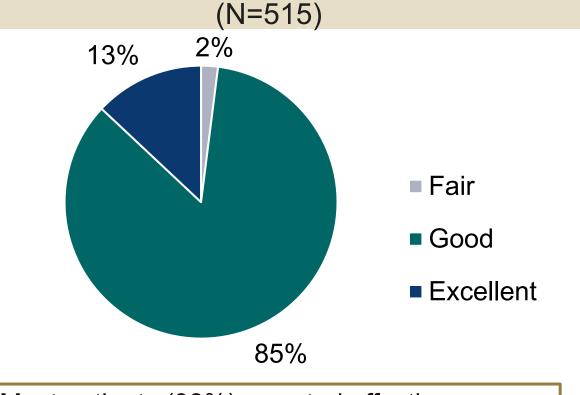
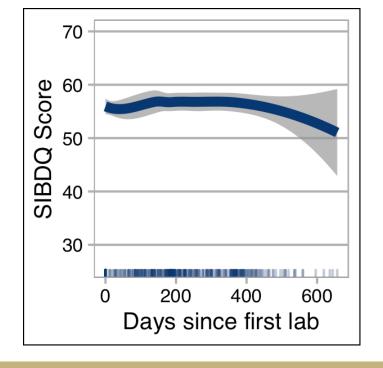


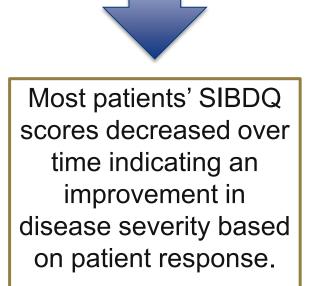
FIGURE 4. MEDICATION EFFECTIVENESS

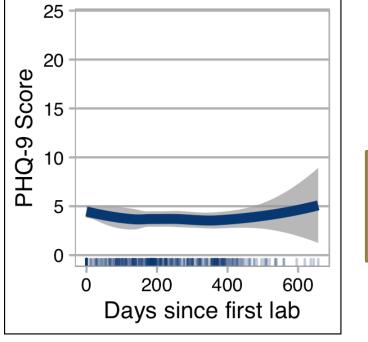


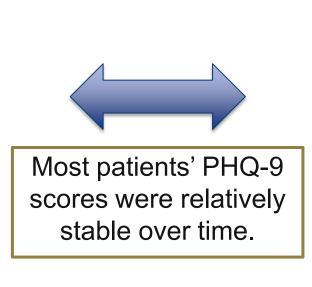
Most patients (98%) reported effectiveness as 'good' or 'excellent'.

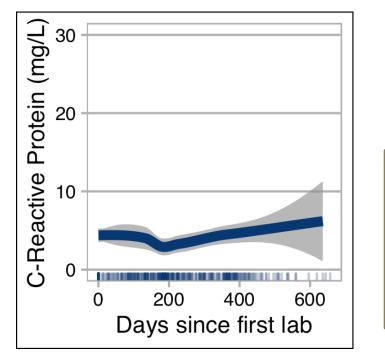
FIGURE 5. SIBDQ, PHQ AND CRP

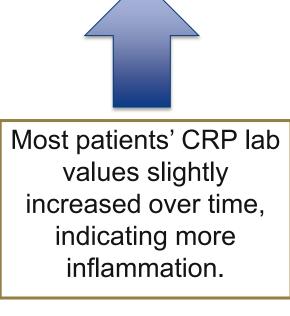












CONCLUSIONS

- Patients with IBD receiving care within an integrated care model reported high rate of medication effectiveness and low rates of adverse effects and missed doses.
- The secondary outcomes remained relatively stable, which concluded no significant differences over time when compared to the patient's baseline.
- Additional research is needed to evaluate the relationship between PROs and long-term clinical outcomes.