

Implementation of a flowsheet to track patients with inflammatory bowel disease initiating a biologic with complex dosing regimens

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CONCLUSION

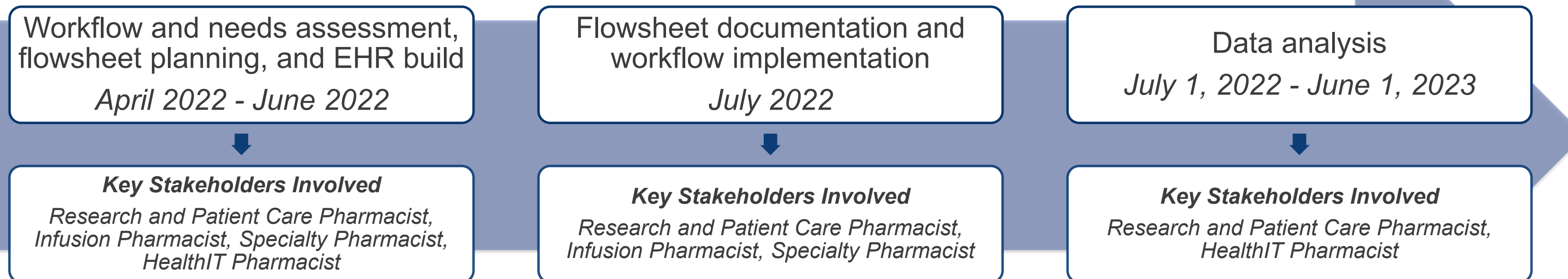
Using an EHR flowsheet to manage patients with IBD treated with biologic medications requiring an induction IV dose(s) before starting SubQ maintenance injections provided a streamlined approach to patient management and care coordination between infusion and specialty pharmacy staff.

PURPOSE

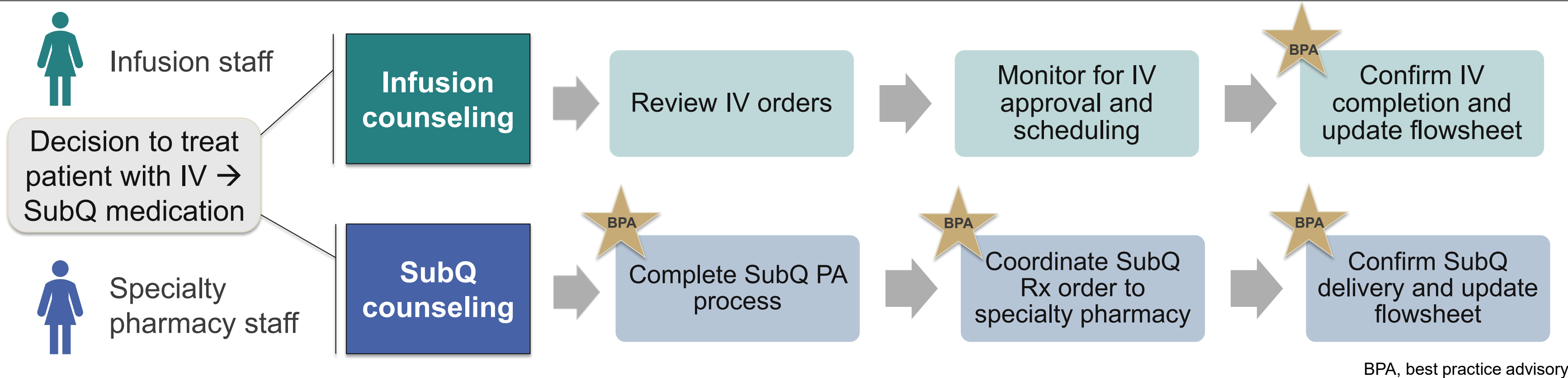
To implement a transparent, streamlined process of managing patients with IBD receiving specialty medications that have complex dosing regimens with IV to SubQ routes of administration.

METHODS

Single-center Quality Improvement Project



Workflow



RESULTS

Patient Characteristics (n=230)

	n (%)
Age, years (median (IQR))	43 (30, 53)
Gender	
Female	135 (59)
Male	95 (41)
Race	
White	202 (88)
Black	16 (7)
Unknown	8 (3)
Other	4 (2)
Insurance	
Commercial	185 (80)
Medicare	25 (11)
Medicaid	14 (6)
Other	6 (3)
Medication	
risankizumab-rzaa	129 (56)
ustekinumab	101 (44)

Flowsheet

INFUSION TO INJECTION	
Medication	Medication
Provider	VUMC Provider
Referral date	4/20/2023
Medication counseling date	4/20/2023
INFUSION	
Infusion Status Update	Dose 3 administered
Infusion counseling date	4/20/2023
Therapy plan entered date	4/20/2023
Infusion approval date	5/2/2023
Number of infusions	3
Infusion center 1	VUMC
Infusion 1 scheduled date	5/18/2023
Infusion 1 administered date	5/18/2023
Infusion center 2	VUMC
Infusion 2 scheduled date	6/15/2023
Infusion 2 administered date	6/15/2023
Infusion center 3	VUMC
Infusion 3 scheduled date	7/13/2023
Infusion 3 administered date	7/18/2023
Was a Non-VUMC Infusion	No
SUBQ	
Specialty Pharmacy	VSP
Injection PA approval date	6/21/2023
Injection PA expiration date	6/21/2026
Injection RX sent date	7/19/2023
Due date of first injection	8/15/2023
Injection RX copay card obtained	Yes

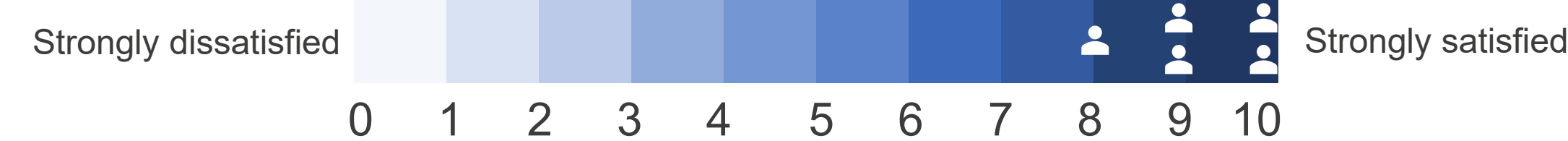
Best Practice Alerts (BPA)

Infusion Pharmacist		
BPA trigger	BPA timing**	Purpose
Date 1 st infusion received is documented in the flowsheet	2 weeks after trigger	Prompts follow-up with patient about infusion tolerability
Specialty Pharmacist		
*Date 1 st or 2 nd infusion received is documented in the flowsheet	Immediately (8 weeks until first SubQ dose is due)	Prompts initiation of SubQ PA process
*Date 3 rd infusion received is documented in the flowsheet	Immediately (4 weeks until first SubQ dose is due)	Prompts SubQ RX request
* Date 1 st or 2 nd infusion received is documented in the flowsheet	6 weeks after trigger Only fires if a SubQ RX has not been ordered (2 weeks until first SubQ dose is due)	Prompts investigation into SubQ PA approval status and SubQ RX request

*BPA triggers are based on medication
**BPAs are sent through Inbasket messaging in the EHR

Pharmacist Satisfaction (n=5) = 1 respondent

Overall satisfaction



Ease of use satisfaction



Pharmacist Quotes

“The flowsheet reduces gaps in care and streamlines the workflow.”

“It has helped prevent any patient from slipping through the cracks and ensures they obtain their medication on time.”

Patient Monitoring Dashboard

