

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

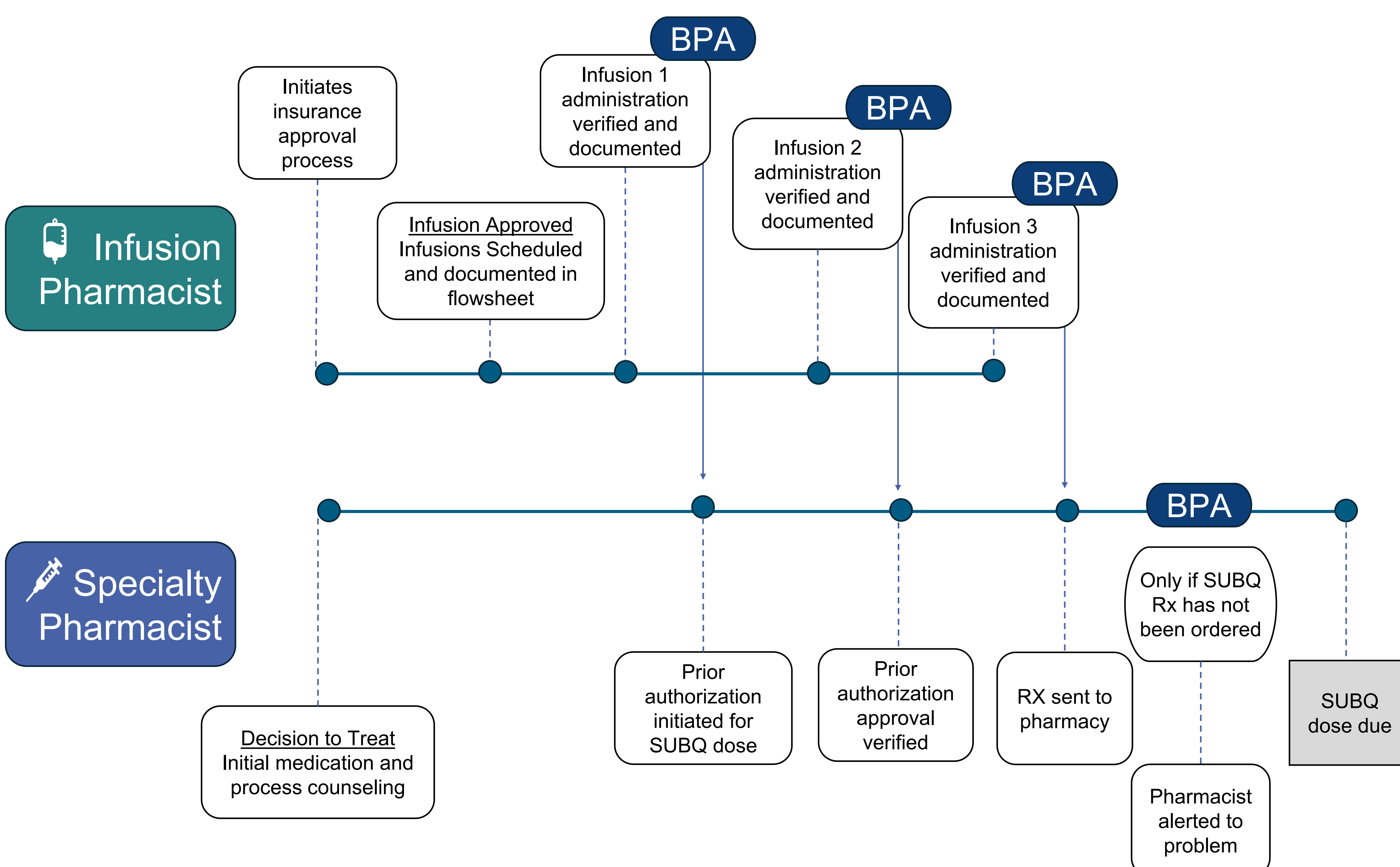
To implement a transparent, streamlined process of managing patients with IBD receiving specialty medications that have complex dosing regimens with IV to SubQ routes of administration.

METHODS

Single-center Quality Improvement Project



Workflow



Workflow for the specialty pharmacist shifts to the left when only 1 infusion is required. Prior authorization initiation and approval verification are completed before the first infusion and the RX is sent to the pharmacy once the BPA is received indicating the first infusion has been administered.

BPA, best practice advisory

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) |

Best Practice Alerts (BPA)

Infusion Pharmacist

| BPA trigger | BPA timing** | Purpose |
|---|---------------------|--|
| Date 1 st infusion received is documented in the flowsheet | 2 weeks after event | Prompts follow-up with patient about infusion tolerability |

Specialty Pharmacist

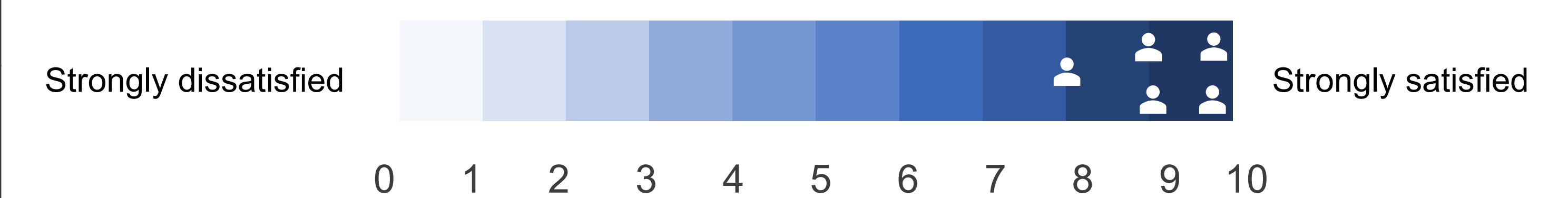
| | | |
|---|---|--|
| *Date 1 st or 2 nd infusion received is documented in the flowsheet | Immediately (8 weeks until first SubQ dose is due) | Prompts initiation of SubQ PA process |
| *Date 3 rd infusion received is documented in the flowsheet | Immediately (4 weeks until first SubQ dose is due) | Prompts SubQ RX request |
| *Date 1 st or 2 nd infusion received is documented in the flowsheet | 6 weeks after event only 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 occur based on medication
**BPAs are sent through Inbasket messaging in the EHR

| Flowsheet | | | |
|-----------------------------------|------------------------------|----------|-----------------|
| Infusion to Injection | | | |
| General | Medication | 8/21/23 | Medication name |
| | Provider | 8/15/23 | VUMC Provider |
| | Referral date | 8/15/23 | 8/15/23 |
| Infusion | Medication counseling date | 8/15/23 | 8/15/23 |
| | Infusion status update | 9/21/23 | Administered |
| | Infusion counseling date | 8/21/23 | 8/15/23 |
| | Infusion approval date | 9/1/23 | 9/1/23 |
| | Number of infusions | 8/15/23 | 3 |
| | Infusion center 1 | 9/1/23 | VUMC |
| | Infusion 1 scheduled date | 9/1/23 | 9/21/23 |
| | Infusion 1 administered date | 9/21/23 | 9/21/23 |
| | Infusion center 2 | 9/1/23 | VUMC |
| | Infusion 2 scheduled date | 9/1/23 | 10/21/23 |
| | Infusion 2 administered date | 10/21/23 | 10/21/26 |
| | Infusion center 3 | 9/1/23 | VUMC |
| SUBQ | Infusion 3 scheduled date | 9/1/23 | 11/22/23 |
| | Infusion 3 administered date | 11/22/23 | 11/22/23 |
| | Non-VUMC infusion reason | 9/1/23 | N/A |
| | Specialty pharmacy | 9/21/23 | VSP |
| | Injection PA approval date | 11/1/23 | 11/1/23 |
| | Injection PA expiration date | 11/1/23 | 11/1/24 |
| | Injection RX sent date | 12/15/23 | 12/15/23 |
| Due date of first injection | 9/21/23 | 12/22/23 | |
| Injection RX copay cared obtained | 11/15/23 | Yes | |

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.”