

Project Title: Enhancing Efficiency in Oral Antifungal Dispensing for MHCT Patients

Presenter's Name: Jessica Moses, Heidy Fernandez, Diana Martinez, Shrestha Shakuntala, Shivani Dalal

Institution: Memorial Cancer Institute

Date: June 2025

### **Problem Statement**

Between the months of January to December 2024, MHCT patients with a diagnosis of AML and MDS receiving active chemotherapy and allogeneic stem cell transplant (SCT) patients requiring posaconazole or isavuconazole for fungal prophylaxis and/or treatment waited an average of 15 days to receive these medications from the time of electronic prescribing to the first dispense.

**ASCO** Quality Training Program



#### Outcome Measure

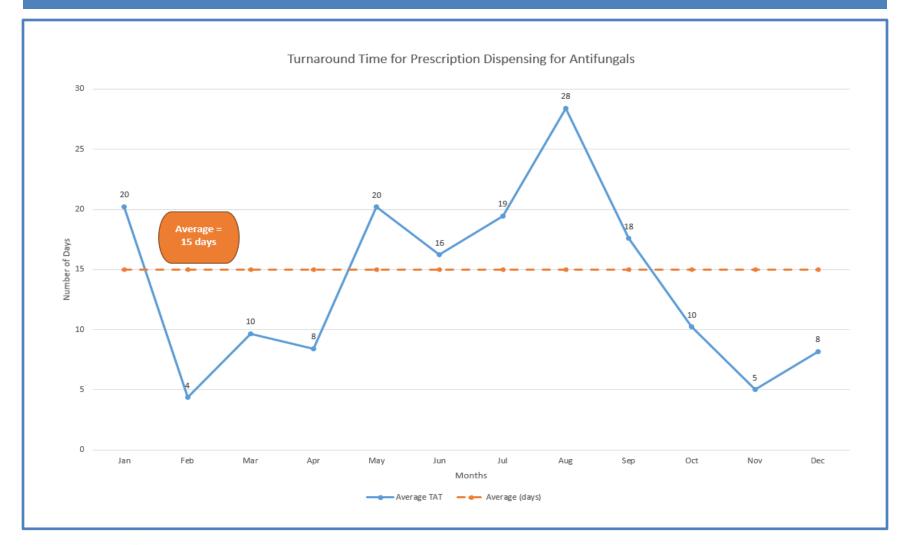
### Baseline data summary

Item	Description
Measure:	Time (days) from electronic prescribing to prescription dispensed
Patient population: (Exclusions, if any)	AML and MDS receiving active chemotherapy and allogeneic stem cell transplant (SCT) patients requiring posaconazole or isavuconazole for fungal prophylaxis and/or treatment
Calculation methodology: (i.e. numerator & denominator)	Date of prescription release to date of prescription dispensed for first fill
Data source:	Epic Workbench Reports
Data collection frequency:	January to December 2024
Data limitations: (if applicable)	Prescriptions may be e-prescribed but not released to the pharmacy for dispensing Prescriptions transferred to outside pharmacy (non-Memorial Healthcare Pharmacy)



#### Outcome Measure

### Baseline data





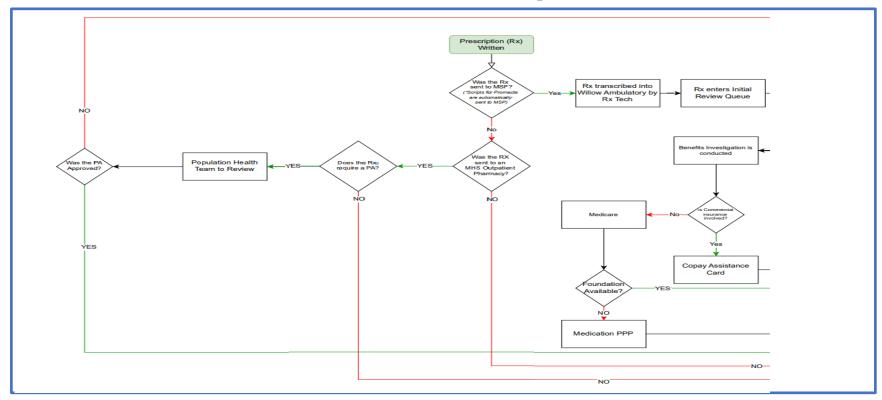
### **Aim Statement**

By June 2025, antifungal prescription dispense turn-around-time will be reduced by 20%

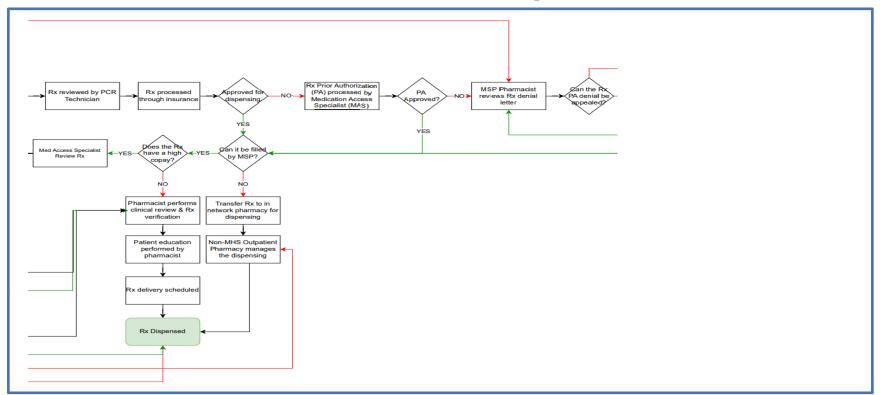
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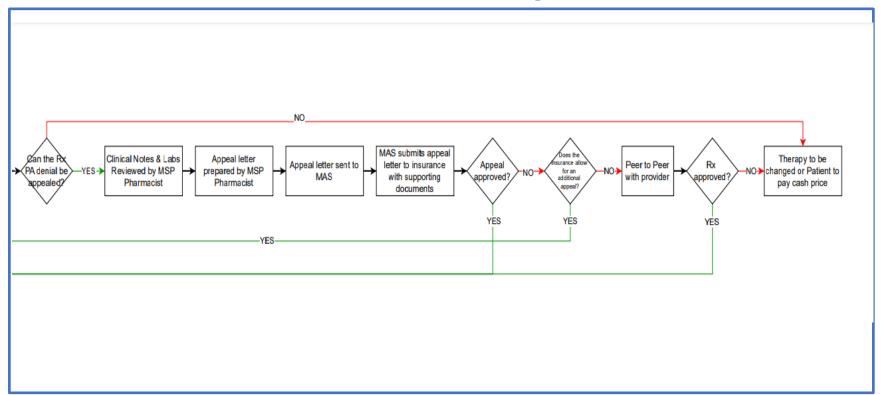




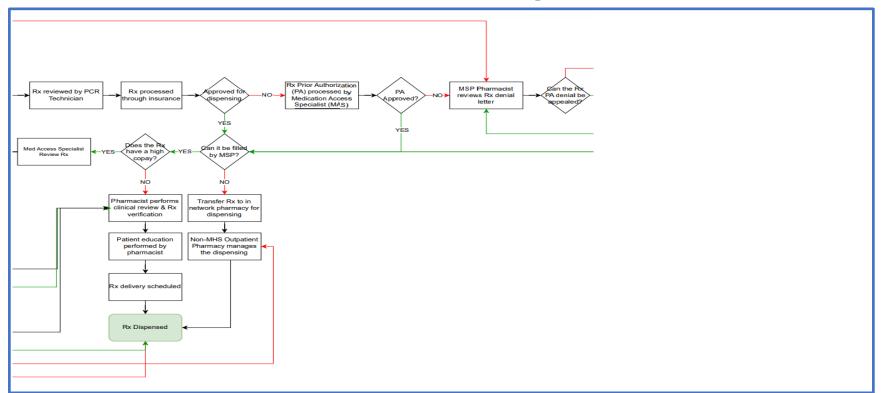






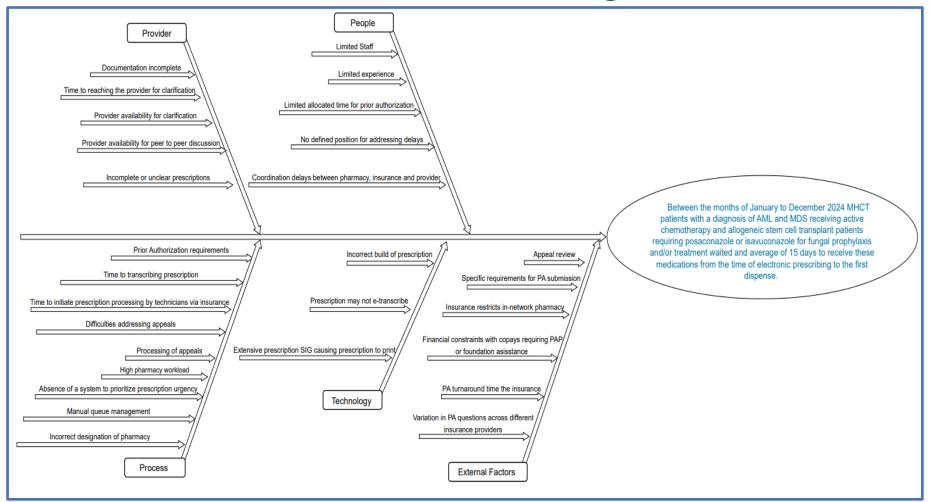






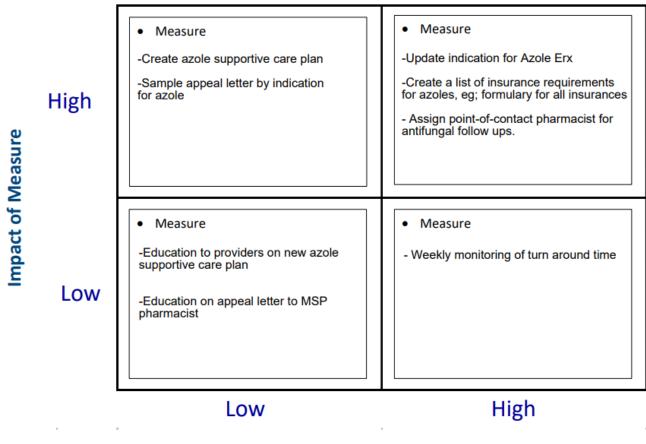


### Cause and Effect diagram





### Priority / Pay-off Matrix Countermeasures



**Effort** 

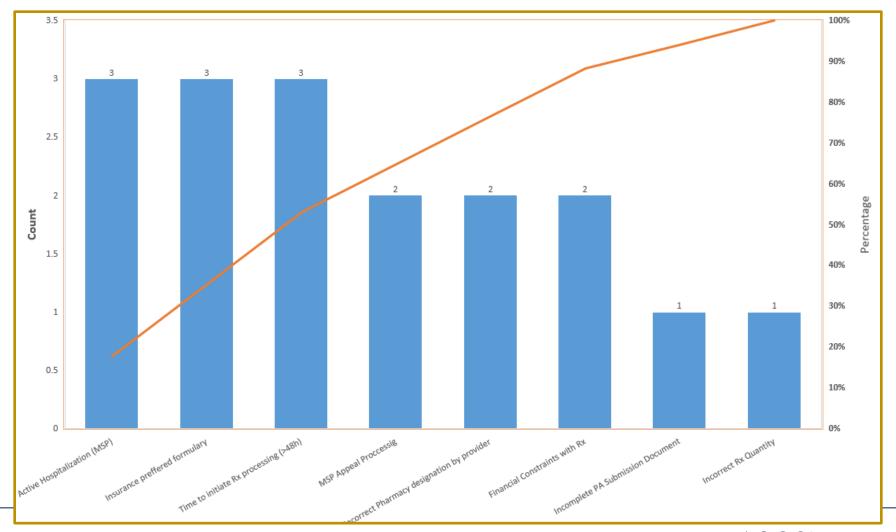


# Process Measure Diagnostic Data summary

Item	Description
Measure:	Longest time lapse between each process leading to prescription delays
Patient population: (Exclusions, if any)	AML and MDS receiving active chemotherapy and allogeneic stem cell transplant (SCT) patients requiring posaconazole or isavuconazole for fungal prophylaxis and/or treatment . Rx ONLY sent to MSP
Calculation methodology: (i.e. numerator & denominator)	Time stamp of written prescription to time of prescription dispensed for first fill
Data source:	Epic Workbench Reports Manual Chart Review
Data collection frequency:	October to December 2024
Data limitations: (if applicable)	Some of the Rx from EPIC workbench report picked up additional fills and not first fill. Incomplete documentation of Rx delivery date



## Process Measure Diagnostic Data





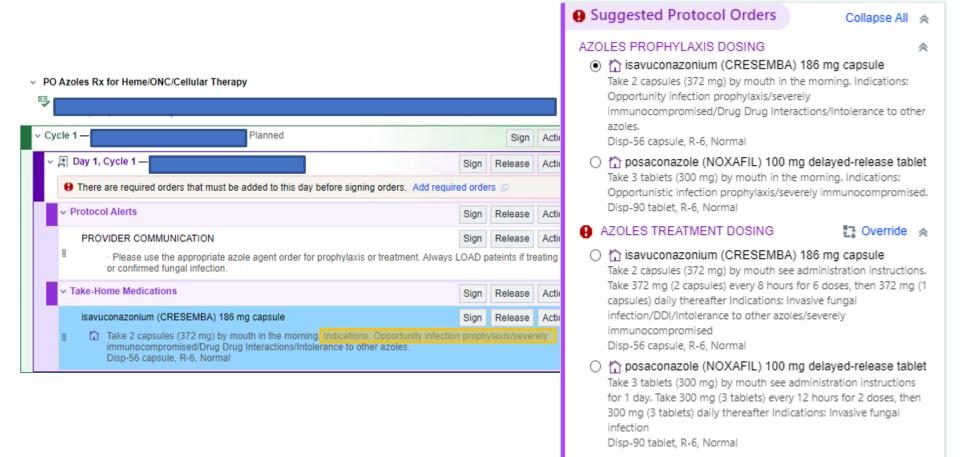
## Test of Change PDSA Plan

Date of PDSA Cycle	Description of Intervention	Results
January 2025	MSP Pharmacist processing appeals provided tips on drafting successful appeal letters	Faster approval due to improved content and structure of letters resulting in reduction of treatment delays
April 15, 2025	Supportive Care Plan developed and education provided.  Providers instructed to send all antifungal scripts for MHCT patients to MSP	The supportive care plan has standardized the prescribing of antifungals. This intervention has also resulted in a rise in workload at MSP leading to extended prescription turnaround times

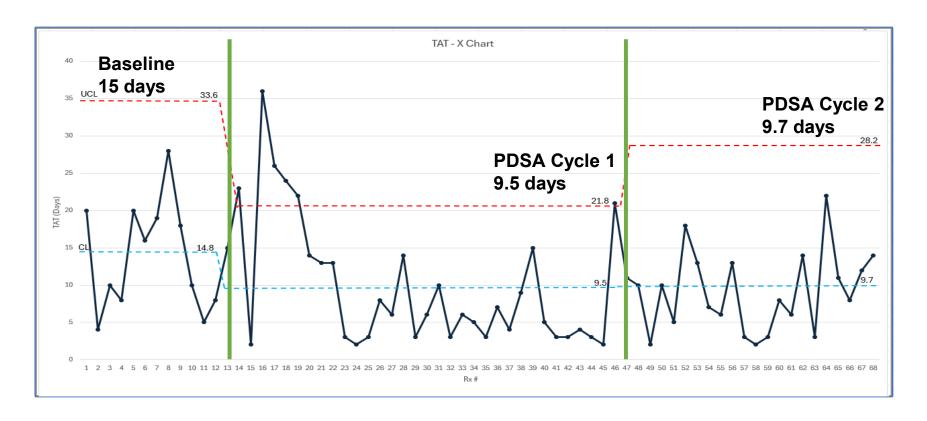




#### PDSA Cycle 2: Supportive Care Plan Implementation



## Outcome Measure Change Data





### Results

- At baseline, the average turn-around-time for antifungal prescription dispensing was 15 days
  - Following PDSA Cycle 1, the average turn-around-time was
     9.5 days
  - Following PDSA Cycle 2, the average turn-around-time was
     9.7 days
- By implementing the antifungal supportive care plan for MHCT patients, we were able to enhance the appropriateness of indication selection.





# Next Steps Sustainability Plan

Next Steps	Owner
MSP collaboration with pharmacy specialist at MCI	MCI Director of Pharmacy
Prescriber education on utilization of supportive care plan	Collaboration between pharmacy and MCI leadership
Addition of Clinical Specialist with MSP background and training	MCI Operations Manager





## Conclusions/Lessons Learned

- Collaborating with Memorial Specialty Pharmacy early in the process helped us to understand their workflow, documentation requirements and prior authorization/appeal process pain points.
- We identified that many prescribers were unaware of how their documentation impacted the turn-around-time for the dispensing.
- By standardizing documentation how we document clinical and insurance-related information, we reduced back-and-forth communication and prescription rejections.
- The process implemented can be expanded to include other medications that are identified as having a long turn-around-time.



