





46TH ANNUAL EDUCATIONAL CONFERENCE



COLLABORATE. EDUCATE. ADVOCATE.

The Write Way: An Innovative Process Improvement Project to Enhance the Quality of Progress Notes.

Hanz De Leon, MSN, ACPNC-AG

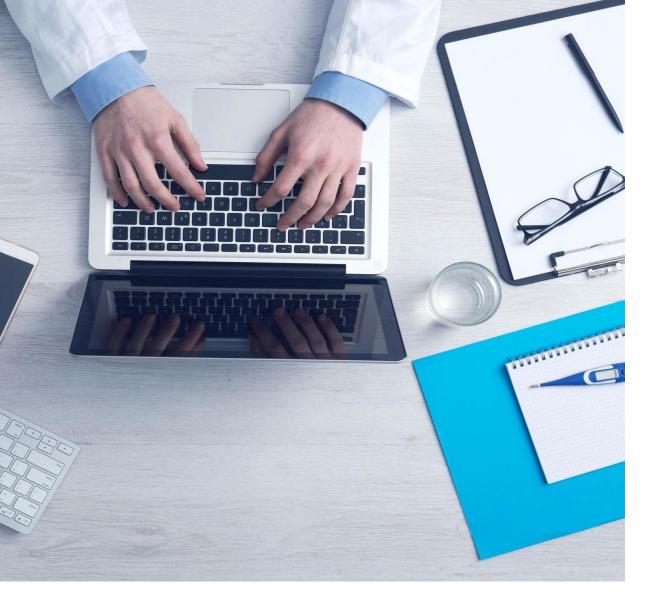


Background

- Clinical documentation is a narrative of patient care that serves as the legal record of patient encounters, assists in billing, provides data for clinical decision support, assists in communication between different providers, and is used for secondary data analysis
- Despite the numerous benefits of electronic health records, they contribute to lengthy and redundant notes







Problem Statement

Currently, there is a lack of standardized process and templates for writing progress notes in the Surgical MCS/Heart and Lung Transplant department, causing increased time spent writing notes, inconsistency of format and information in the notes, compromising the accuracy and comprehensibility of the notes.



Literature Review

- Consistency in the organization of progress notes makes it easier to read and interpret information (Hultman, 2019)
- Standardizing the documentation process by establishing standardized templates can improve accuracy, efficiency, and user-satisfaction (Wilbanks et al., 2018) (Lee et al., 2021) (Ebbers et al., 2022)
- Clinical documentation training for providers have shown to improve quality of notes and increase hospital reimbursement rates (Reyes et al., 2017)
- Adopting a multimodal strategy helps improve overall quality of notes (Savel, 2018)





SMART Goal

The goal of this project is to increase the quality scores of the progress notes in the MCS/Txp department by at least 25% and decrease the time spent writing notes by 25% within 2 months.



Current State



APP receives sign out from CVICU



APP copies latest progress note from CVICU and edits it based on personal preference or practice



Note is updated throughout the patient's stay based on APP's personal preference or practice

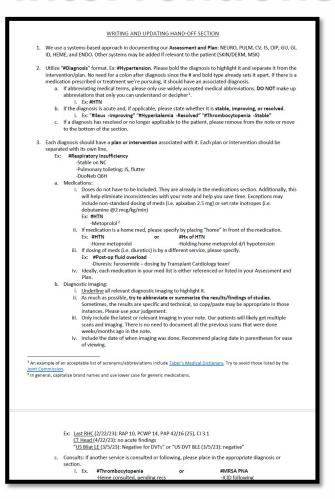


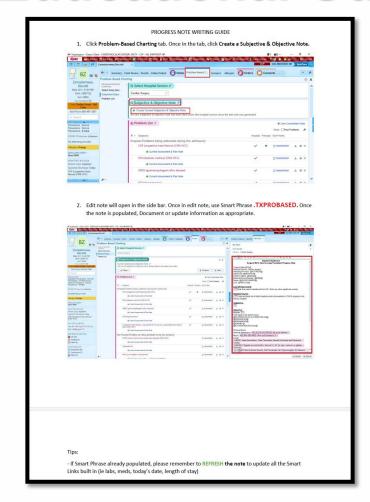
Interventions

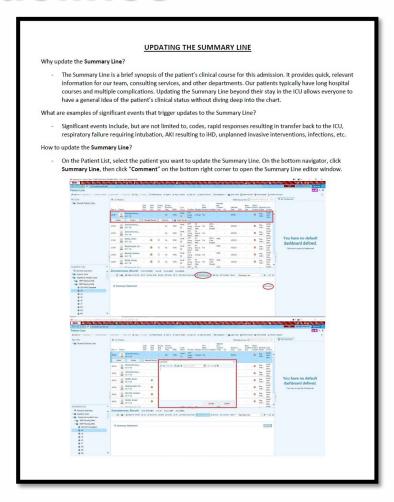
Root Cause	Intervention
Lack of educational guidelines for note writing.	Create educational guidelines outlining how to properly write a progress note. The document will provide details on what information to include or omit in the daily progress notes.
Lack of standardized template and dot phrases for progress notes.	Create SmartPhrases to help standardize how notes are formatted and written for primary patients.



Interventions: Educational Guidelines

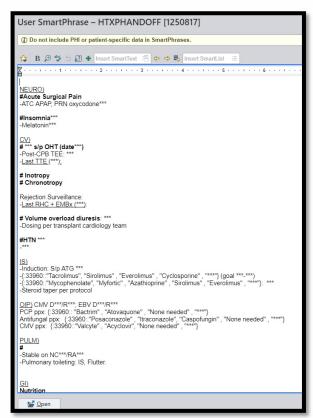


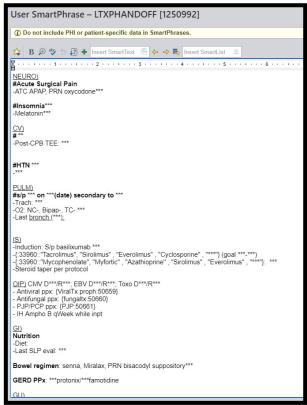


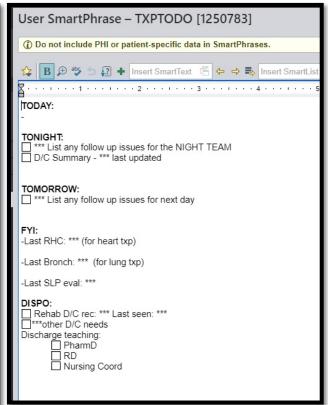


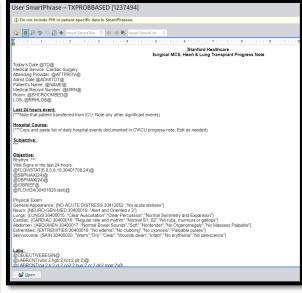


Interventions: Smart Phrases









Methods

To assess the quality of notes, a seven-item assessment tool adapted from the Physician Documentation Quality Instrument (PDQI-9) (Stetson et al., 2012) was employed:

- Accurate: The note is true. It is free of incorrect information
- Up-to-date: The note contains the most recent test results and recommendations
- Thorough: The note is complete and documents all of the issues of importance to the patient
- Useful: The note is extremely relevant, providing valuable information and/or analysis
- Organized: The note is well formed and structured in a way that helps the reader understand the patient's clinical course
- Comprehensible: The note is clear, without ambiguity or sections that are difficult to understand
- Succinct: The note is brief, to the point, and without redundancy

A 5-point Likert scale was utilized to score each aspect of the notes

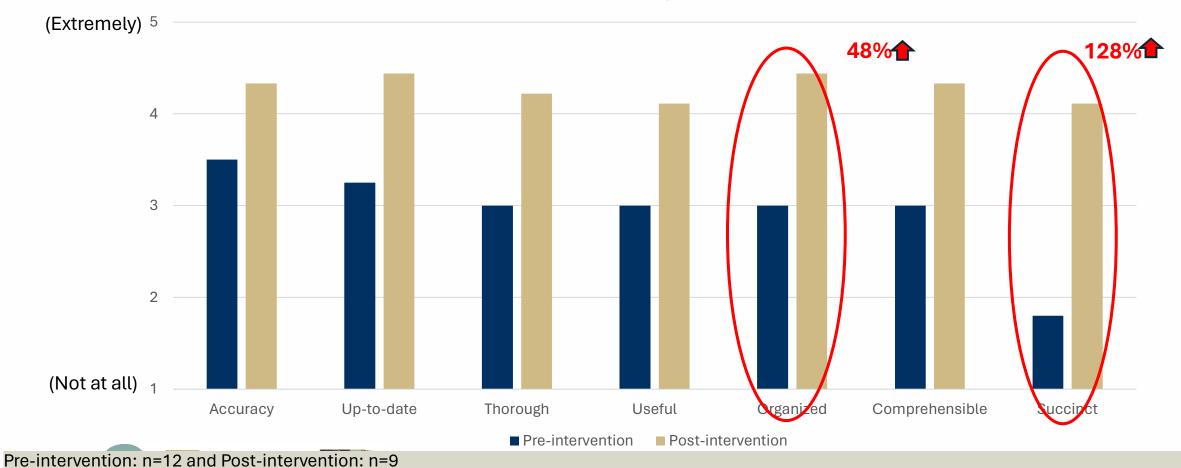
Pre and Post Intervention surveys where distributed via Survey Monkey to all MCS/Txp APPs and other departments that work closely with them

Other departments include: MCS/Heart transplant cardiology, Pulm transplant medicine, CVICU APPs, Pharmacy, Case Management, PT/OT, and Dietitian



Results: Notes Quality

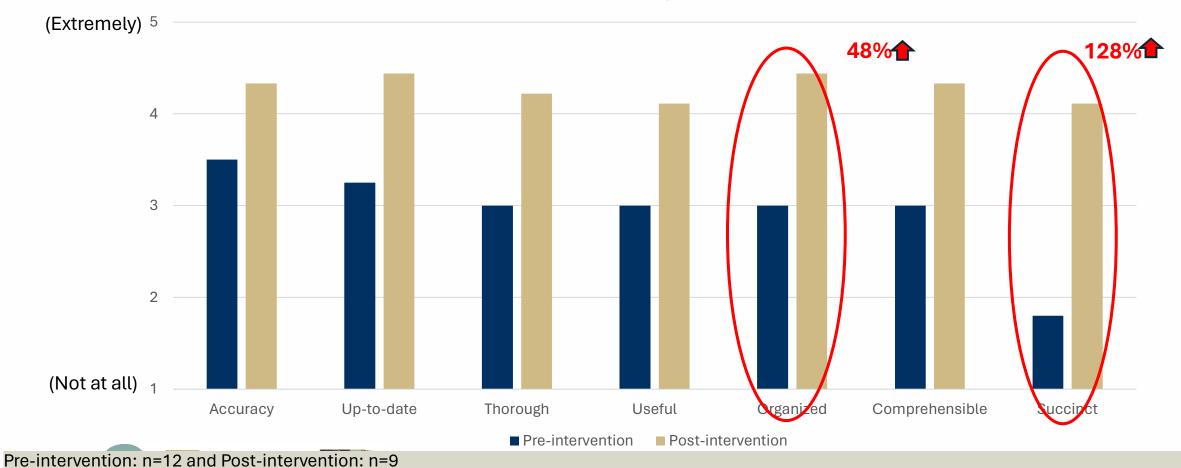
MCS/Txp APPs
Pre and Post Intervention Comparison
Mean Scores for Quality of Notes



46TH ANNUAL EDUCATIONAL CONFERENCE

Results: Notes Quality

MCS/Txp APPs
Pre and Post Intervention Comparison
Mean Scores for Quality of Notes



46TH ANNUAL EDUCATIONAL CONFERENCE

Mean % Increase: Pre-Intervention to Post-Intervention

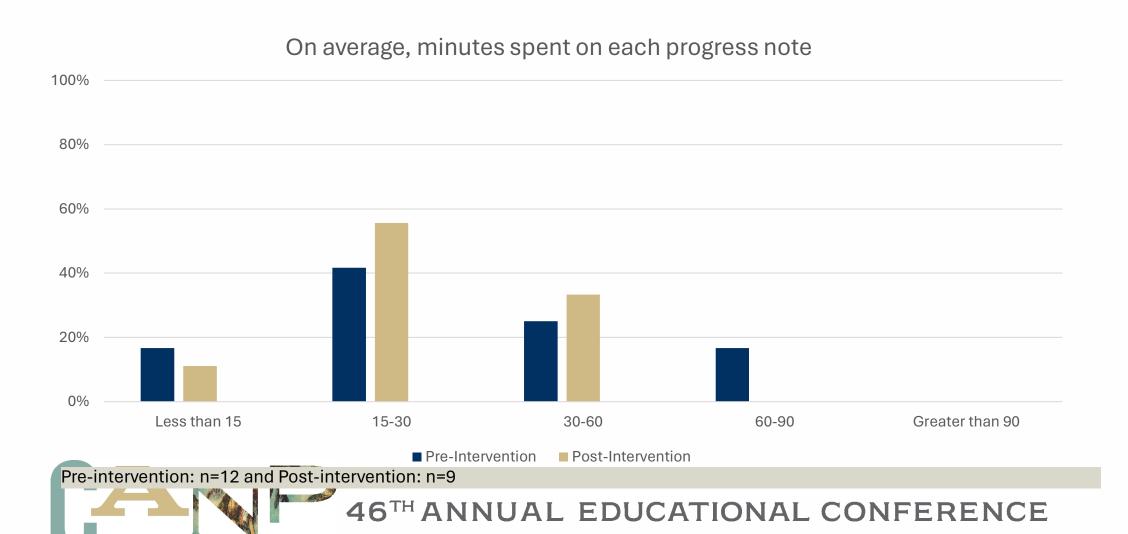
MCS/Txp APPs		
Accuracy	23.7%	
Up-to-date	36.6%	
Thorough	40.7%	
Useful	37%	
Organized	48%	
Comprehensible	44.3%	
Succinct	128.3%	
Average: 34.7%		

Other Departments		
Accuracy	36.3%	
Up-to-date	67.2%	
Thorough	36.7%	
Useful	22.7%	
Organized	58.9%	
Comprehensible	37.7%	
Succinct	57.3 %	
Average: 45.3%		

Combined Average: 40% increase in mean scores for Quality of Notes

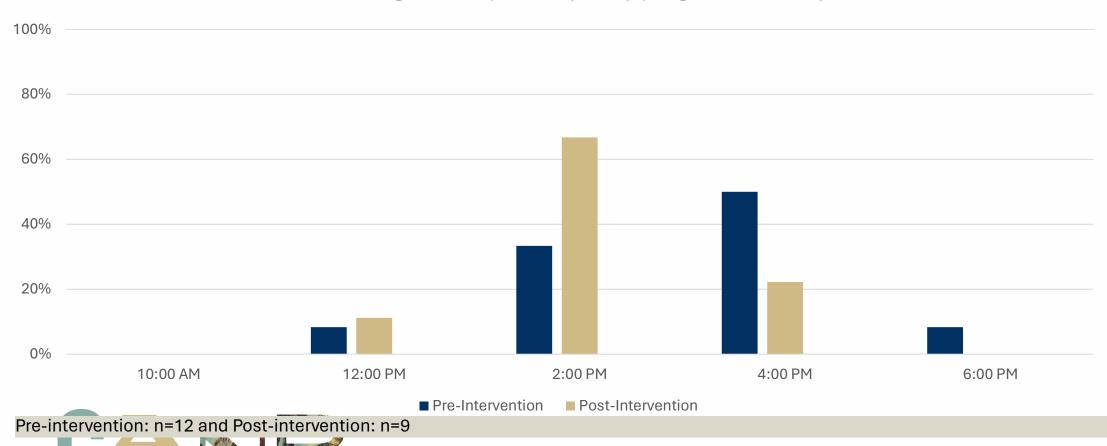


Results: Time Management



Results: Time Management

On average, I complete my daily progress notes by



46TH ANNUAL EDUCATIONAL CONFERENCE

Key Learning Points



Find the key stakeholders of various disciplines and get their input first



Buy-in from team leadership and the senior members of the team is important to institute any type of change



A well-designed standardized note template specific to your department or patient population improves efficiency and work-flow



An educational document makes it easier for newer team members to learn the format and style of note writing for the department. It is also a good tool to refer to for everyone else.



Teams would likely benefit from periodic (yearly?) training/discussion about clinical documentation



Bi-weekly check-ins are recommended during project implementation due to changes in the department



Less time spent on notes results in more time for high quality patient care!



References

- Ebbers, T., Kool, R. B., Smeele, L. E., Dirven, R., den Besten, C. A., Karssemakers, L. H. E., Verhoeven, T., Herruer, J. M., van den Broek, G. B., & Takes, R. P. (2022). The Impact of Structured and Standardized Documentation on Documentation Quality; a Multicenter, Retrospective Study. Journal of Medical Systems, 46(7). https://doi.org/10.1007/s10916-022-01837-9
- Hultman, G. M., Marquard, J. L., Lindemann, E., Arsoniadis, E., Pakhomov, S., & Melton, G. B. (2019, May). Challenges and Opportunities to Improve the Clinician Experience Reviewing Electronic Progress Notes. Applied Clinical Informatics, 10(03), 446–453. https://doi.org/10.1055/s-0039-1692164
- Lee, B., Chong, A. Z., Avila, E. M., Cameron, M., & Kuelbs, C. L. (2021). Note It Right: A Quality Improvement Project to Standardize Pediatric Hospital Medicine Progress Notes and Reduce Note Bloat. Pediatrics, 147(3_MeetingAbstract), 16–16. https://doi.org/10.1542/peds.147.3ma1.16
- Reyes, C., Greenbaum, A., Porto, C., & Russell, J. C. (2017). Implementation of a Clinical Documentation Improvement Curriculum Improves Quality Metrics and Hospital Charges in an Academic Surgery Department. Journal of the American College of Surgeons, 224(3), 301–309. https://doi.org/10.1016/j.jamcollsurg.2016.11.010
- Savel, R. H. (2019). Research: Enhancing the Quality of Documentation. American Association for Physician Leadership. https://www.physicianleaders.org/articles/research-enhancing-quality-of-documentation
- Stetson, P. D., Bakken, S., Wrenn, J. O., & Siegler, E. L. (2012). Assessing Electronic Note Quality Using the Physician Documentation Quality Instrument (PDQI-9). Applied clinical informatics, 3(2), 164–174. https://doi.org/10.4338/aci-2011-11-ra-0070
- Wilbanks, B. A., Berner, E. S., Alexander, G. L., Azuero, A., Patrician, P. A., & Moss, J. A. (2018). The effect of data-entry template design and anesthesia provider workload on documentation accuracy, documentation efficiency, and user-satisfaction. International Journal of Medical Informatics, 118, 29–35. https://doi.org/10.1016/j.ijmedinf.2018.07.006

