

# Leveraging the Electronic Medical Record for Clinical Research Documentation: Concomitant Medication Log

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Work in Progress

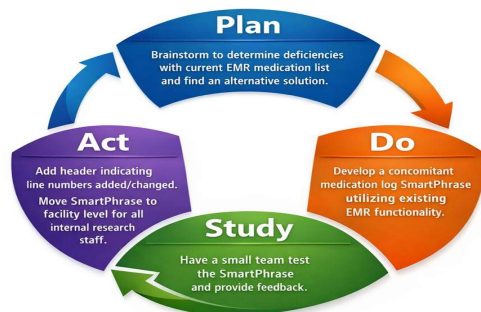
## Background

A comprehensive medication and supplement list is required for all participants enrolled in therapeutic clinical trials to ensure patient safety, identify potential drug-drug interactions, and prevent confounding effects on study outcomes. The documentation, referred to as the concomitant medication log (Conmed log), is typically maintained in a study-specific electronic file accessible only to designated members of the study team. The internal study team must move the document into a SharePoint folder to be visible to external research personnel. Simmons Comprehensive Cancer Center's Clinical Research Office (SCCC-CRO) prioritized integration of Con Med log elements into the electronic medical record for visibility and review at required study visits.

## Goal

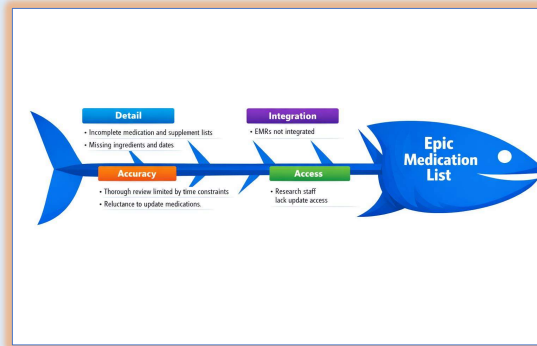
By August 1, 2025, implement and operationalize a standardized process within the electronic medical record (EMR) to capture 100% of required concomitant medication documentation for active therapeutic clinical trial participants, eliminating reliance on external logs and improving accessibility, compliance, and research data integrity.

## Methodology



## Methodology

Review of the existing medication list revealed the deficiencies below:



## Solution

A SmartPhrase was created and tested by research nurses and coordinators within SCCC-CRO:

Correction to line 1 and addition of lines 3-5.

Concomitant Medication Log												
IRB#: STU20251234		Velos#: 77777		Subject Name: Mary Smith				Subject ID#: 117-001				
Row #	Medication Name	Indication (Must match with AE Term or Med History Term in AE Tracker)	Ongoing at Baseline? Y/N	Dose	Unit	Dose Form	Route	Frequency	Start Date	RN/RC Initial & Date of Collection	Stop Date	RN/RC Initial & Date of Collection
1	Metoprolol Tartrate (Lopressor)	Hypertension	Y	25	mg	tablet	PO	QD	05JUN2023	CC02FEB2026		
2	Levothyroxine (Synthroid)	Hypothyroidism	Y	50	mcg	tablet	PO	QD	15SEP2024	CC02FEB2026	30JAN2026	CC02FEB2026
1	Celecoxib (Celebrex)	Arthralgias/Myalgias	N	200	mg	tablet	PO	QD	02FEB2026	CC02FEB2026		
2	Prednisone	Arthralgias/Myalgias	N	10	mg	tablet	PO	QD	02FEB2026	CC02FEB2026		
3	Venofer	Anemia - iron deficient	N	300	mg	solution	IV	Once	18FEB2026	CC18FEB2026	18FEB2026	CC18FEB2026
4	Acetaminophen (Tylenol - Extra Strength)	Fever	N	500	mg	tablet	PO	PRN	06FEB2026	CC18FEB2026	08FEB2026	CC18FEB2026
5	Levothyroxine (Synthroid)	Hypothyroidism	N	75	mcg	tablet	PO	QD	31JAN2026	CC18FEB2026		

Version Number: 2 Date: 18FEB2026

## Acknowledgements

Images under Methodology, Analysis and Results generated with Microsoft 365 Copilot with context provided by Christina Carrigan, RN.

## Outcomes

A legible, version controlled, centrally accessible Conmed Log SmartPhrase can be added to any research note. Once created, it can be cut and pasted to move forward to new research notes. Strikethrough feature allows corrections and columns/rows can be added as needed.

### Results



## Lessons Learned and Future Directions

Implementation of a SmartPhrase-based Conmed log within Epic was well received by Investigational Drug Services pharmacists and external research monitors, supporting its feasibility and audit readiness. Monitor feedback led to workflow refinements, including the addition of a standardized header identifying log line changes at each visit. Minor documentation challenges were mitigated through standardized formatting guidance. Elevating the SmartPhrase to an organizational tool improved accessibility across all areas. Based on positive feedback and improved standardization, the SCCC-CRO plans to adopt this as the required method for concomitant medication documentation.

For more information, scan below:

