

# AI -Powered ePCR Documentation Feature Guide



## Overview

The AI-assisted ePCR Documentation feature streamlines creating Patient Care Reports by allowing EMS providers to record patient care details verbally. This feature combines medical-grade speech transcription with AI processing to automatically populate NEMSIS ePCR fields, significantly reducing documentation time.

## Key Features

- Medical-grade transcription service optimized for medical terminology and EMS jargon.
- AI-powered field mapping to NEMSIS data fields.
- Human review and verification of all AI suggestions.
- Support for EMS terminology and common abbreviations.
- Real-time vital signs documentation.

## How it Works



### Voice Recording

1. Launch the AI Transcript tool.
2. Click the record button to begin speaking.
3. Provide a verbal report of the patient encounter.
4. Think of this as a combination of your entry note over the radio, a handoff report to the ER staff, and a verbal summary of the incident.
5. The more information you provide, the less you may need to type or select later.
6. The system uses medical-grade transcription to convert speech to text.
7. Supports both formal medical terminology and common EMS abbreviations.



### AI Processing

- The system analyzes the transcription to identify relevant clinical information.
- Maps identified information to appropriate NEMSIS fields.
- Can populate up to 100 different NEMSIS data fields.

Processes various types of information including:



Vital Signs



Physical Assessments



Treatments Provided



Medications Administered



Parent History



Transport Information

## Review & Edit

All AI suggestions appear in a review interface.

### Users can:

- Accept or reject individual field suggestions.
- Edit suggested values.
- Remove unwanted entries.
- Physical assessment fields must be reviewed in the main chart.
- The Narrative section will automatically generate a CHART formatted narrative based on the transcript provided.



**IMPORTANT!** Each time you use the AI tool, the system will append your narrative. In other words, it will add a new section to the end of your previous narrative.

## Best Practices

### Documentation Tips



Speak clearly and provide complete information.



Review AI suggestions before accepting.



Use the feedback system to report any misinterpretations or suggestions for improvement.

## Important Notes



### Quality Control:

- Always review, and edit when needed, the AI-suggested entries.
- You are responsible for verifying the accuracy of all information.
- Use the feedback system to help improve the system's accuracy.



### Multiple Recording Sessions:

- You can record multiple times during an incident.
- Be aware that regenerating will create new vital sign entries.

## Data Security & Compliance

- All transcriptions are encrypted in transit and at rest.
- The system is fully HIPAA compliant.
- The transcription service runs in a dedicated, secure environment.
- No patient data is used for AI training.
- Feedback is used only to improve prompt engineering.

## Getting Help



Use the feedback system to report issues or suggest improvements.



Provide specific examples of what worked well or needs improvement.



Report any medical terminology or abbreviations that weren't correctly interpreted.

## Legal Considerations

This system operates on a "Human-in-the-Loop" principle: - All AI suggestions must be reviewed and approved by the provider - The provider maintains full responsibility for the accuracy of the documentation - The system is designed to assist, not replace, proper medical documentation.

## Feedback

Your feedback is crucial for improving this feature. Please include: - Accuracy of transcription - Correctness of field mapping - Missing or incorrect terminology - Feature suggestions - Any issues encountered.

