

Medical record documentation and coding

Automatically generates comprehensive medical documentation and ICD-10 codes from dermatology visit data, reducing documentation time by 70% and ensuring coding accuracy for proper reimbursement.

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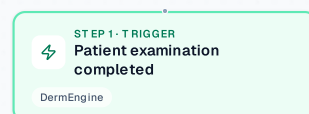
WORKFLOW TRIGGER

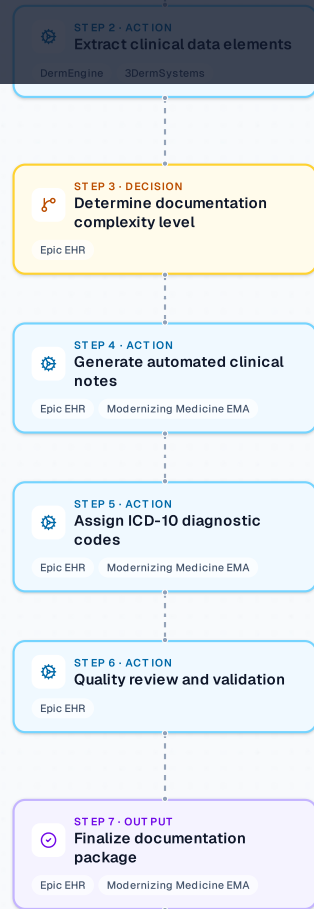


Dermatologist completes patient examination and uploads clinical photos to DermEngine

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Patient examination completed

Dermatologist finishes patient visit and uploads clinical photos with initial findings to DermEngine. System detects completion status and initiates

2

 ACTION

Extract clinical data elements

AI analyzes uploaded images and extracts key clinical findings including lesion characteristics, anatomical locations, and diagnostic indicators. System pulls structured data from examination notes.

DermEngine

3DermSystems

3

 DECISION

Determine documentation complexity level

System evaluates visit complexity based on number of lesions examined, procedures performed, and diagnostic complexity. Routes to appropriate documentation template based on billing level requirements.

Epic EHR

4

 ACTION

Generate automated clinical notes

AI creates comprehensive SOAP notes using structured templates, incorporating image analysis findings, patient history, and examination details. System ensures medical necessity documentation for procedures.

Epic EHR

Modernizing Medicine EMA

5

 ACTION

Assign ICD-10 diagnostic codes

AI Business OS

System automatically maps clinical findings to appropriate ICD-10 codes based on documented diagnoses and lesion characteristics. AI validates code accuracy against clinical documentation.

Epic EHR

Modernizing Medicine EMA

6

 ACTION

Quality review and validation

Automated system performs final quality check on documentation completeness, coding accuracy, and billing compliance. Flags any inconsistencies or missing elements for provider review.

Epic EHR

7

 OUTPUT

Finalize documentation package

System generates completed medical record with clinical notes, diagnostic codes, and supporting images ready for provider approval and billing submission.

Epic EHR

Modernizing Medicine EMA



Outputs

- Complete SOAP notes with clinical findings

- Accurate ICD-10 diagnostic codes

AI Business OS



Key Metrics

- Documentation completion time
- Coding accuracy percentage
- Billing denial rate



Tools & Integrations

- DermEngine
- 3DermSystems
- Epic EHR
- Modernizing Medicine EMA

AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

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