

Treatment plan generation and tracking

This workflow automatically generates personalized dermatology treatment plans based on diagnostic data and tracks patient progress through integrated monitoring and follow-up scheduling. It reduces manual planning time and ensures consistent, evidence-based care delivery.

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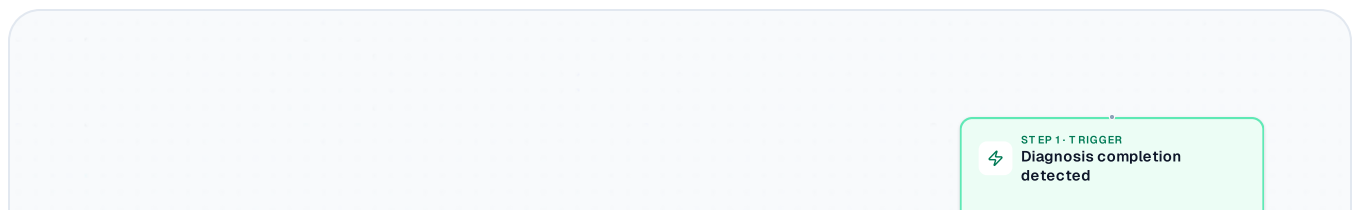


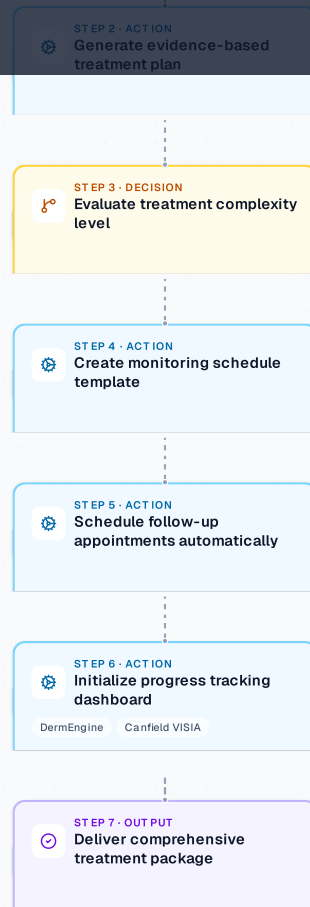
WORKFLOW TRIGGER

Dermatologist completes diagnosis and diagnostic imaging in patient's EHR record.

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

Diagnosis completion detected

System detects when dermatologist finalizes diagnosis with ICD-10 codes and diagnostic images in the EHR. Patient demographic and medical history

data is automatically extracted.

AI Business OS

Epic EHR

DermEngine

2

 ACTION

Generate evidence-based treatment plan

AI analyzes diagnosis, severity scoring, and patient factors to generate personalized treatment recommendations from clinical guidelines. Multiple treatment options are ranked by efficacy and patient suitability.

DermEngine

Modernizing Medicine EMA

3

 DECISION

Evaluate treatment complexity level

System determines if treatment requires simple topical therapy, complex multi-modal approach, or surgical intervention. Workflow branches based on treatment complexity and monitoring requirements.

Modernizing Medicine EMA

4

 ACTION

Create monitoring schedule template

System generates appropriate follow-up intervals, progress photography schedules, and outcome measurement protocols based on condition type. Templates include specific assessment criteria and imaging requirements.

Epic EHR

Canfield VISIA

5

 ACTION

Schedule follow-up appointments automatically

System books initial follow-up appointments based on treatment timeline and integrates progress tracking reminders. Patient portal notifications are sent with pre-visit instructions.

Epic EHR

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6

 ACTION

Initialize progress tracking dashboard

Creates patient-specific tracking dashboard with baseline measurements, treatment milestones, and automated progress alerts. Clinical photography comparison tools are configured for objective monitoring.

DermEngine

Canfield VISIA

3DermSystems

7

 OUTPUT

Deliver comprehensive treatment package

Complete treatment plan with monitoring schedule, patient education materials, and tracking dashboard is made available to provider and patient. All components are integrated into the patient's medical record.

Epic EHR

Modernizing Medicine EMA



Outputs

- Personalized treatment plan with evidence-based recommendations

AI Business OS

- Automated follow-up appointment schedule
- Progress tracking dashboard with baseline measurements
- Patient education materials and care instructions



Key Metrics

- Treatment plan generation time reduction
- Patient adherence to follow-up schedules
- Clinical outcome improvement rates
- Provider time saved on administrative tasks



Tools & Integrations

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

AI Business OS

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