

# Caregiver scheduling and routing optimization

This workflow automatically optimizes caregiver schedules and routes when new patient visits are assigned or changes occur, reducing travel time and ensuring efficient care delivery coverage.

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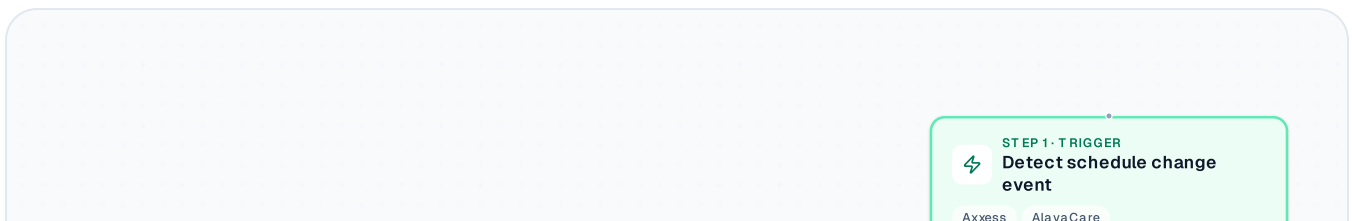


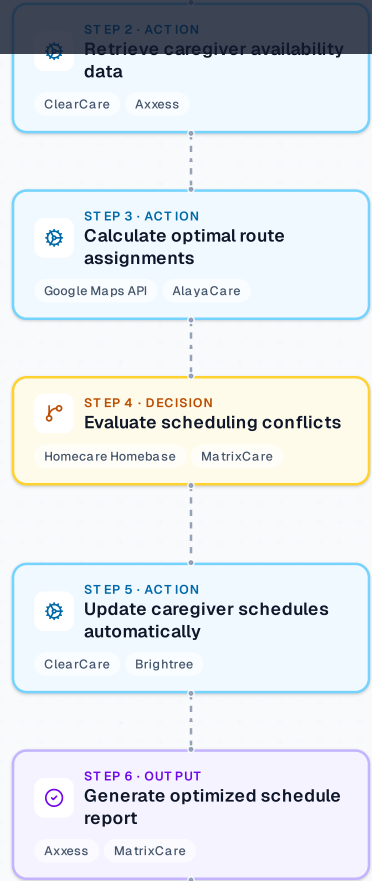
## WORKFLOW TRIGGER

New patient visit assignment or existing visit schedule change is detected in the system

## Visual Flow

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





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## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

### Detect schedule change event

System monitors for new patient visit assignments, cancellations, or time modifications. Webhook receives real-time updates from the home health

2

 ACTION


### Retrieve caregiver availability data

Pulls current caregiver schedules, skill certifications, patient assignment history, and geographical coverage areas. Includes shift preferences and maximum daily visit limits.

ClearCare

Axxess

3

 ACTION

### Calculate optimal route assignments

AI engine processes patient locations, care requirements, visit durations, and caregiver capabilities to minimize travel time. Considers traffic patterns and appointment windows.

Google Maps API

AlayaCare

4

 DECISION

### Evaluate scheduling conflicts

Checks if optimized schedule creates any conflicts with existing appointments, caregiver overtime limits, or patient care requirements. Determines if manual intervention is needed.

Homecare Homebase

MatrixCare

5

 ACTION

### Update caregiver schedules automatically

Pushes approved schedule changes back to the home health platform and mobile apps. Sends automated notifications to affected caregivers about route updates.

ClearCare

Brightree

6

🎯 OUTPUT

## Generate optimized schedule report

Creates summary showing total travel time saved, schedule efficiency metrics, and caregiver utilization rates. Alerts supervisors to any unresolved conflicts requiring manual review.

Axxess

MatrixCare



## Outputs

- Updated caregiver schedules with optimized routes
- Travel time reduction report
- Schedule conflict alerts for manual review



## Key Metrics

- Average travel time per caregiver

- Schedule optimization percentage

## AI Business OS



### Tools & Integrations

- Axxess
- AlayaCare
- ClearCare
- Google Maps API
- Homecare Homebase
- MatrixCare
- Brightree

## AI Business OS

### AI Business OS

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