

# Clinical trial patient recruitment and monitoring

This workflow automates clinical trial patient recruitment by identifying eligible candidates from patient databases and continuously monitors enrolled participants throughout the trial period. It streamlines enrollment processes and ensures real-time compliance tracking to accelerate trial completion.

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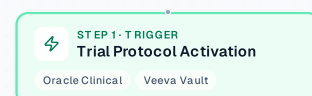


## WORKFLOW TRIGGER

New clinical trial protocol is approved and activated in the system

## 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

### Trial Protocol Activation

A new clinical trial protocol receives regulatory approval and is activated in the clinical trial management system. This initiates the automated

2

 ACTION

### Query Patient Database

System automatically searches patient databases using inclusion/exclusion criteria from the trial protocol to identify potentially eligible participants. Pre-screening algorithms filter candidates based on medical history and demographics.

IQVIA CORE

SAS Clinical Trials

3

 DECISION

### Evaluate Patient Eligibility

AI algorithms assess each candidate's medical records against detailed trial criteria and assign eligibility scores. Patients meeting threshold requirements are flagged for recruitment outreach.

SAS Clinical Trials

Spotfire Analytics

4

 ACTION

### Initiate Recruitment Outreach

Automated communication system sends personalized recruitment invitations to eligible patients via preferred contact methods. Follow-up reminders are scheduled for non-responders.

Veeva Vault

Oracle Clinical

5

 ACTION

## AI Business OS

### Enroll Consenting Patients

Patients who provide informed consent are automatically enrolled in the trial with randomization assignment and baseline data collection scheduling. Electronic case report forms are generated.

Medidata Rave

Oracle Clinical

6

 ACTION

### Monitor Patient Compliance

Real-time monitoring tracks patient visits, medication adherence, adverse events, and protocol deviations. Automated alerts notify research teams of compliance issues or safety concerns.

Medidata Rave

IQVIA CORE

Spotfire Analytics

7

 OUT PUT

### Generate Recruitment Reports

System produces comprehensive dashboards showing recruitment metrics, patient enrollment status, compliance rates, and trial progress milestones. Regulatory reports are automatically formatted and distributed.

Spotfire Analytics

Veeva Vault



## Outputs

## AI Business OS

- Enrolled patient cohort with complete baseline data
- Real-time compliance monitoring dashboard
- Automated regulatory recruitment reports



### Key Metrics

- Patient enrollment rate
- Screening-to-enrollment conversion rate
- Protocol compliance percentage



### Tools & Integrations

- Oracle Clinical
- Veeva Vault
- IQVIA CORE
- SAS Clinical Trials
- Medidata Rave
- Spotfire Analytics

## AI Business OS

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