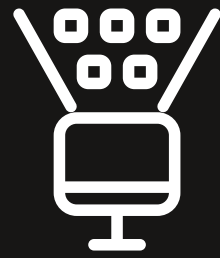




MediTrack

Decisions You Can Trust

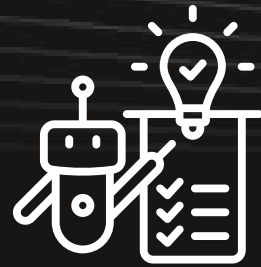
Clear, Explainable AI for Safer Prescriptions.



Fragmented Data

- Patient records spread across isolated systems.
- Inconsistent data formats delay decision-making.
- Critical information remains siloed.

The Problem



Opaque AI:

- Black-box models offer no insight into recommendations.
- Lack of transparency breeds clinician distrust.
- Unexplained outputs hinder adoption



Underutilized Post-Market Data:

- Real-world evidence from clinical trials and daily use remains scattered.
- Missed opportunities to uncover off-label drug benefits.
- Insufficient insights into drug performance and side effects.

OUR SOLUTION

**Personalized
Patient
Tracking**



**Doctor's
Dashboard**



**AI-Driven
Decision
Support**
using
explainable
AI models



**GDPR & AI
Act
Compliance**



**Smart Chat
Assistant**



Medi



**DATA
PREPROCESSING
& NORMALIZATION**

**FEATURE
EXTRACTION**

- Structured Data
- NLP Processing

**ENSEMBLE
PREDICTION
MODELS**

- Gradient Boosting (XGBoost/LightGBM)
- Recurrent Neural Networks (RNNs)
- Rule-Based Systems

**MULTI-MODAL
FUSION**

**EXPLAINABILITY
LAYER**

- SHAP

INSERT NEW PATIENT

MediTrack

HOME

PATIENTS

CONDITIONS

AI-ASSISTANT

INSERT NEW PATIENT

Patient Info

Full Name

Date of Birth

Gender

Health Issues

(leave blank if healthy)

AMKA

INSERT

Privacy Policy

Need Help?

PATIENT TIMELINE

MediTrack

HOME

PATIENTS

CONDITIONS

AI-ASSISTANT

PATIENT'S PAGE

Alexandros VeremisShow Profile >>

Timeline Events

Symptoms
Fever, Cough

Treatment
Aspirin

Result
Improved

Patient: Alexandros Veremis

Symptoms
Flu

Treatment
Panadol

Result
Improved

Patient: Alexandros Veremis

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PATIENT MEDITRACK ADVICE

MediTrack

HOME

PATIENTS

CONDITIONS

AI-ASSISTANT

PATIENT'S PAGE

Alexandros VeremisShow Profile

Symptoms
Fever

Get Recommendation according to Symptom

MediTrack Advice: Aspirin (Accuracy: 89.42%)
Reason: According to the history of the patient that showed improvement when having fever, cough and taking also into account that male patients around his age with fever react well with Aspirin.

Recommendation

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MediTrack

HOME

PATIENTS

CONDITIONS

AI-ASSISTANT

AI ASSISTANT


My patient Alexandros Veremis doesn't react well on Aspirin or Panadol and he has a fever for 6 days now. Any ideas?

Since your patient does not have any recorded health issues and taking into account that male patients around his age react well on Depon, I would strongly recommend it. Also, has he tried resting these 6 days?

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 MediTrack

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PATIENTS

CONDITIONS

AI-ASSISTANT

SEARCH CONDITION

Fever

Symptoms
Fever, Cough

Treatment
Aspirin

Result
Improved

Patient: Alexandra Vintila

Symptoms
Fever

Treatment
Panadol

Result
Deteriorated

Patient: Christina Diamanti

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IMPACT

FOR DOCTORS

Streamline your practice with a unified, secure, and transparent archival tool that supports informed decision-making

- **Unified Patient Records**
- **Improved Workflow Efficiency**
- **Transparent Decision Support**

FOR PATIENTS

Experience better care through enhanced data transparency and more proactive treatment decisions

- **Unified Health Record**
- **Transparency & Communication**
- **Enhanced Patient Experience**

FUTURE ENHANCEMENTS

Seamless AI Connection

Data Standardization

Enhanced Compliance & Security

Improved Clinical Workflow

Pilot & Certification

Telemedicine

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THANK YOU!
any questions?