TietAI

↳ WEARABLES · CLINICAL AI · REAL-TIME DATA

Your patients are already *wired.*

1B+ wearable devices active worldwide.
Almost none of that data reaches the clinician.

24/7
CONTINUOUS DATA

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THE OPPORTUNITY

The data exists. *Now what?*

Apple Watch / Galaxy Watch	Heart rate · SpO2 · Steps · HRV	Continuous
Continuous Glucose Monitor	Glucose trends · Hypoglycemia alerts	Every 5 min
Smart patches	Temperature · Hydration · Activity	Real-time
Sleep trackers	REM cycles · Respiratory rate · HRV	Nightly
Smart inhalers / medication trackers	Adherence · Dosage timing	Per dose

All of this data is being generated, right now, by your patients. Almost none of it reaches the clinical team.

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THE PROBLEM

The data never *arrives.*

01 **Every wearable vendor has its own API.** Apple Health, Google Fit, Garmin Connect, Dexcom — none of them speak HL7 or FHIR natively.

02 **Hospitals can't ingest it.** The EHR expects FHIR Observation resources. The watch sends JSON with proprietary field names.

03 **AI agents can't act on it.** A clinical decision support agent without continuous glucose data is making decisions with half the picture.

The most valuable health data in history is being generated and discarded every day.

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WHAT GETS LOST

Every missed signal *is a missed decision.*

- A diabetic patient's CGM shows three nocturnal hypoglycemia episodes this week. The clinician sees none of it at the appointment.
- A cardiac patient takes a manual ECG reading on their Apple Watch flagging an irregular rhythm. The result goes to their phone. Not the cardiologist.
- A post-surgical patient's activity tracker shows declining mobility. No one in the care team is notified until readmission.
- A COPD patient's sleep data shows worsening respiratory rate for 12 days. The AI agent managing their care never received the data.

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We didn't build another wearable dashboard.
We built the bridge between the wearable and the EHR.

The translation layer that makes wearable data
clinical-grade and AI-ready.

HYDRA CONNECTS:

Wearable → *Clinical.*

APPLE HEALTH · DEXCOM · GARMIN · FITBIT · FHIR R4 · HL7 · OMOP

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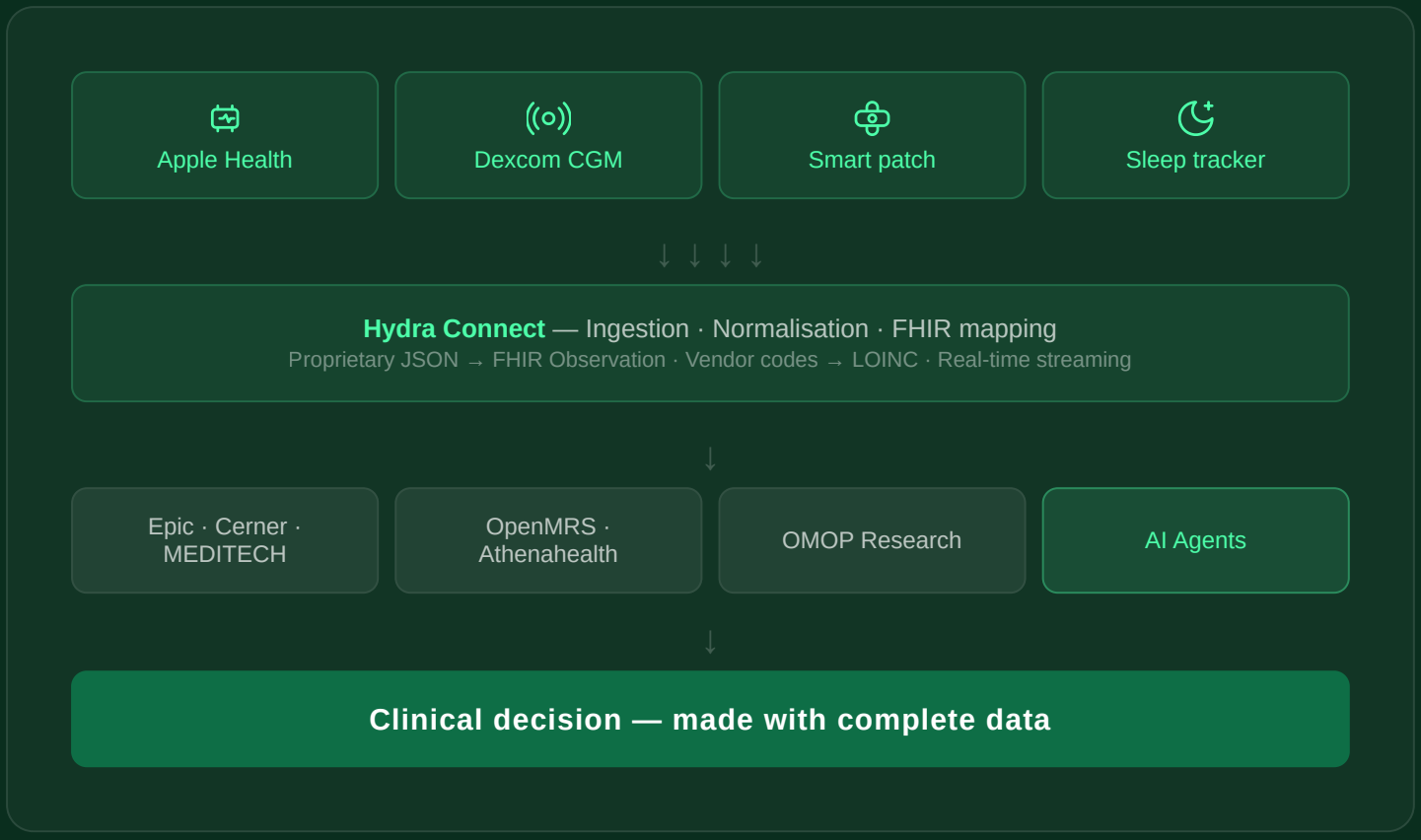
HOW HYDRA WORKS

Clean data in.
Every agent wins.



Real-time. Compliant. FHIR R4. No custom integration per device.

WHAT BECOMES POSSIBLE

When wearables talk *to the EHR.*

Cardiology. Continuous heart rate and HRV data from wearables feeding directly into the patient record — alerting the cardiologist before the patient calls.

Diabetes management. CGM trends merged with EHR medication history — AI recommending dosage adjustments before the next appointment.

Chronic disease monitoring. Sleep, activity, and respiratory data from COPD and asthma patients — deterioration detected days before an emergency visit.

Clinical trials. Continuous wearable data mapped to OMOP CDM — real-world evidence at scale, without manual data collection.

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THE PLATFORM

Everything you need.
Nothing you don't.

50+

CONNECTORS — WEARABLES,
EHRS, LABS, IMAGING

Real-*time*

WEARABLE DATA STREAMING
INTO FHIR R4

Hours

NOT MONTHS
TO CONNECT A NEW DEVICE

EHDS

2027-READY
FROM DAY ONE

GDPR · HIPAA · ISO 27001 · On-premise available · Full API

THE EUROPEAN CONTEXT

Wearables are part of *EHDS 2027.*

Now

Wearable data is legally patient data under GDPR. Most hospitals have no infrastructure to ingest, store, or act on it compliantly.

2026

EU AI Act requires clinical AI to demonstrate data quality and traceability. Wearable data pipelines must be auditable before AI can be certified.

2027

EHDS goes live. Patient data — including wearable data — must be shareable across borders in standardised format. The infrastructure needs to exist now.

> Hydra makes your wearable data infrastructure EHDS-ready today — not scrambled together in 2027.

THE QUESTION

Your patients wear the future. *Is your hospital ready to listen?*

The data is already there.
Hydra makes it clinical-grade.

See how Hydra works →