

Oracle Health Sciences mHealth Connector Cloud Service

Enabling Digital Trials at Scale

Today, with sensors, wearables, mobile apps, and an array of smart things tracking every aspect of our daily lives, there is a wealth of new ways to generate real world data for clinical trials. But, acquiring data from such a wide variety of eSources and aggregating it for use in clinical trials can be difficult.

Easy eSource Data Aggregation

New eSources, emerging every day, offer a great opportunity to get closer to the patient. Remotely monitoring a patient's vital signs multiple times a day, combined with collecting pain scores via a mobile app, could be the key to identifying new digital biomarkers that could accelerate disease understanding. But, acquiring and aggregating data from disparate eSources can be complex, time consuming, and expensive.

What if there was simple and quick way to include new eSource data?

Oracle Health Sciences mHealth Connector Cloud Service empowers therapeutic teams to embrace and integrate new eSources into their clinical trials in a quick and simple manner.

Flexible and Scalable for All Trials

Biopharma companies are exploring new digital approaches to clinical research. Sensor types, data flows, engagement models, and business processes may need to vary significantly from one therapy to another, as companies evolve their digital trial journey. Such rapid innovation and experimentation can lead to potential data and vendor chaos, as therapeutic teams race to embrace new digital approaches.

Oracle Health Sciences mHealth Connector makes it easy to connect existing clinical systems with many different types of eSources.

The mHealth Connector enables therapeutic teams to explore a wide variety of digital trial use cases such as: sensor data acquisition, medical



Data from Anywhere – Just Plug It In

- *If an asthma team finds an amazing new spirometer – just plug it in!*
- *If the cardiovascular team finds a new ECG device – just plug it in!*
- *If the medical adherence team finds a new smart blister pack – just plug it in!*
- *Whatever the eSource – just plug it in and start your trial.*



adherence, and remote monitoring, as well as helping to provide a rich stream of real world data to machine learning scenarios. As new digital workflows mature within the organization, they can be quickly deployed at scale across many trials using the same mHealth Connector platform, without the need for complex integration projects.

Oracle Health Sciences breaks down barriers and opens new pathways to unify people and processes, helping to bring new drugs to market faster.

Benefits

With the Oracle Health Sciences mHealth Connector, study teams can:

- Easily integrate many eSource data types into existing clinical systems
- Drive real-time analytics based on the eSource data
- Leverage the data for signal detection
- Trigger notifications/alerts to patients and clinical stakeholders

The mHealth Connector enables real-time data acquisition from multiple classes of eSources, as well data delivery to multiple targets for downstream review and analysis, all within one reusable, scalable platform.

Capabilities

Device Definition Service

The mHealth Connector provides a business service to support integration of one or more eSources and an integration capability for one or more target clinical trial systems.

Easy eSource Integration

With the mHealth Connector's open architecture for eSource integration, study teams can monitor patients closely and acquire real-time information about patient health, activity, vitals, and more.

Multiple Data Varieties

The mHealth Connector has the capability to acquire data from a wide variety of eSources, including continuous, streaming sources, and aggregate data that can then flow into operational and analytical clinical systems.

Anomaly and Signal Detection

Additional capabilities include the ability to provide anomaly and signal detection to drive notifications/alerts, as well as trigger downstream business events, based on the eSource data collected by the mHealth Connector.

In-stream Data Aggregation

Real-time, in-stream, data aggregation, such as average pulse over 10 minutes of streaming data, can be calculated to derive meaningful clinical insights.

Future-proofed Investment

The ever increasing number of eSources, wearables, and mobile devices in the clinical development space means additional data sources and types will keep coming. With the mHealth Connector's capabilities, therapeutic teams will be prepared for the health technology advances of tomorrow.

Oracle Health Sciences provides the only eClinical platform made of best-of-breed solutions powered by the #1 data and cloud technology in the world. With Oracle Health Sciences, life sciences organizations can manage and unify all elements of the clinical development lifecycle in a safe, secure, and compliant manner, while also being open, collaborative, and adaptive to change.

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