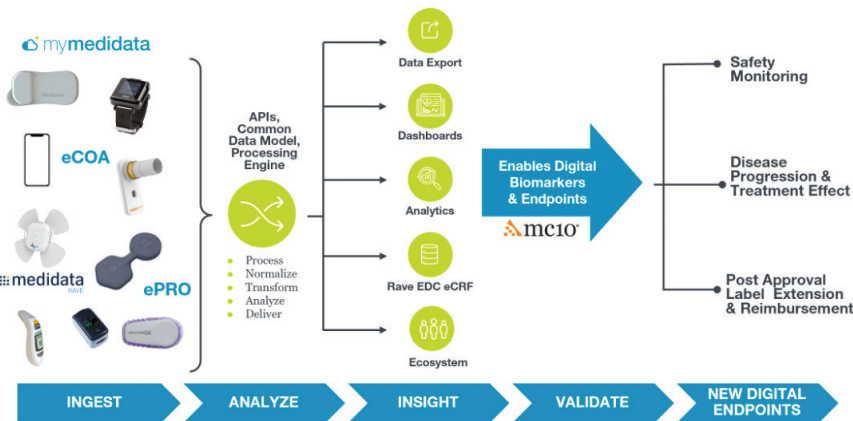# Medidata Sensor Cloud
Pioneering the next generation of connected health solutions

The role of sensors in clinical trials will continue to grow as the need for more patient-centric, efficient trials continues to expand. While investing in a sensor strategy holds great promise, the path to success can be complex. Implementing a comprehensive strategy requires an integrated approach that simplifies the collection, analysis and visualization of patient data while ensuring compliance with privacy and regulatory requirements.

Medidata Sensor Cloud provides cutting-edge data ingestion capabilities focused on transforming the clinical trial experience for patients, sponsors, CROs, and research sites. Designed as part of a unified data platform, Sensor Cloud takes a unique approach to managing a broad range of sensor and medical grade device data during clinical trials. Our common data model and proprietary algorithms enable rapid ingestion, normalization and analysis of patient data resulting in better clinical decision making, faster timelines and a more patient-centric experience.

SENSOR CLOUD DATA FLOW

Our common data model ingests data from any device and converts to a common data structure resulting in a unified, consistent experience.

The Value of a Fully Unified Sensor Strategy

Single, Unified Clinical Platform
Capture, track, analyze, visualize, and report on all types of patient-centered clinical trial data whether in the clinic or remotely.

Operational Scale
We see a future where the inclusion of mobile technology is no longer a question for operational teams. Sensor derived data will become a standard part of the vast majority of clinical trials.

Any Study, Anywhere
Global clinical trials require flexible solutions that can meet evolving study requirements, local regulatory guidelines, and can be deployed through a variety of hardware and deployment models.

A Larger Journey
A new set of workflows revolve around the patient, providing profound new experiences for clinical trials of the future.

THE VALUE OF SENSOR CLOUD

Data Management/Data Science

- Helps you develop a long-term data strategy that provides a broader view of the overall patient experience
- Dramatically improves your data visibility by shifting from episodic to continuous data collection
- Develops new digital endpoints that impact safety monitoring, disease progression and treatments

Clinical Development/Clinical Operations

- Identify the right sensors based on your patient study design
- Reduces site and patient burden by cutting down on site visits, time and travel
- Enables greater insights, lower costs and improved trial efficiency

SENSOR CLOUD KEY FEATURES & BENEFITS

Faster, better decisions

- ~6 week time frame for sensor integrations
- Common data model provides standardization of data from ingestion through delivery
- Growing sensor library and scoring system

Flexibility

- Robust data ingestion to one data repository
- Scalability to accommodatean ever-increasing volume and fidelity of new sensor data

Data Quality

- Medical grade physiological data & analytics
- Novel digital biomarker development

Simplification

- Single, unified platform enables a broader view of all patient data
- Data capture on a continuous basis

The Medidata Difference

Medidata Sensor Cloud provides the ability to ingest and analyze data from any sensor, straight from the source. Key differentiators of Sensor Cloud include:

- Rapid integration of any sensor/ device in weeks vs months
- Synergies with Medidata Rave Clinical Cloud delivers a unified experience for patients, sites and sponsors
- Common data model provides standardization of medical grade data from ingestion through delivery
- Secure integration and proprietary analysis of data from Medidata (MC10) and third-party sensors
- Ability to measure a wide array of patient data including sleep patterns, activity, posture, vital signs & more