



## **Flaskdata Offers Automation Technology to Help Coronavirus Vaccine Research Get Done Fast**

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Flaskdata.io, based in Modin, Israel, has announced that they have the technology that allows automatic detection of issues in clinical trials for the development of treatment or vaccines for a pandemic virus. FlaskData is based on an innovative and patent-pending cloud technology for real-time detection and improvement of patient compliance to treatment. This automation technology can be used to help solve three major issues in the creation of meaningful outcomes for patients.

The three key issues are: the time needed to detect and log protocol deviations; signal detection of adverse events and risk; and patients being lost to follow-up. As a solution for the first issue, the technology can provide real-time data acquisition for devices, patients, and sites. Automatic detection of adverse events and risk is for the second issue, and automatic response is used to solve the third issue.

It should be noted that patient compliance is the single most critical obstacle to the success of decentralized trials, patient-centric studies, digital therapeutics, site-less trials, and home-use devices. Playbook response and AI-driven detection are expected to ensure high patient adherence to the protocol. This ensures high patient reporting compliance and provides high quality risk signals from the first patient.

The automation technology also allows sponsors to have an immediate real-time picture of the compliance posture. Automated detection of protocol deviation can decrease cost and can alert those concerned on deviations over 100 times faster compared to the present manual methods of risk-based monitoring and central monitoring services.

The platform has been built using a component architecture, which exposes functionality through the Flask API. This allows digital health platforms, sponsors, digital therapeutics, and medical devices to select the functionality that they would want to implement on the Flaskdata.io platform.

A spokesperson for Flaskdata.io says, "I'm sure that I want to go real fast when it comes to the clinical trials needed for the development of treatments and vaccines for a pandemic virus. The faster a treatment or vaccine is developed, the more lives can be saved. This is what the FlaskData automation technology can help with."

As part of the FlaskData technology, Flask Forms is a patient engagement application that can run on desktop computers and mobile devices. A specific application can be created in a matter of minutes through a user-friendly drag and drop UI.

The Flask API is a secure mobile/device API service that allows the collection of data from mobile data devices and other medical devices at home or worn by the subject and are connected to the system. This API also allows developers to access the Flask system functionality to allow them to add subjects, create forms, and manage users up to data extraction.

The FlaskData Digital ingest system is that component that ingests data at a rate of 100K events per second from any or all data sources. The data comes from investigators, the digital study, patients, and devices. This continuous data feed system can help significantly in decentralized trials, digital therapeutics, and site-less trials.

The FlaskData Detect & Respond component takes care of patient compliance automation. It is the one that processes the continuous data feed to offer a real-time picture of protocol compliance in patient-centric research. This is an automated monitoring module that allows the users to specify their own clinical measures. This is a real-time monitoring robot that produces real-time analytics and alerts for the site and clinical operations teams. Meanwhile, the automated playbooks generate adaptive reinforcement messages sent to patients in their own time and treatment frame, allowing the patients to have high levels of adherence.

Flaskdata.io is focused on patient-centric studies on drugs and/or devices with emphasis on gastro, pain, CNS, and diabetes to help sponsors attain high levels of protocol compliance with low levels of data latency

through the use of AI-driven detection and response.

Those who are interested in the FlaskData automation technology for clinical trials may want to visit Flaskdata.io website, or contact the company online.

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## **Flaskdata.io**

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