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DynoSense gets FDA approval for unique cloud based system

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The world's first most integrated and cloud-based vital signs measuring and recording platform



DynoSense Corp, a growing global private company founded in USA with a division in Nanjing China, has announced that the U.S. Food and Drug Administration (FDA) has granted the company clearance for its patented Vital Signs Measuring System, the world's first most integrated and cloud-based vital signs measuring and recording platform.

Its unique worldwide patented and award-winning design is as simple to use as a digital thermometer yet capable of capturing electrocardiogram (ECG), respiration rate (RR), oral body temperature (TEMP), functional oxygen saturation of arterial hemoglobin (SpO2), optical photoplethysmogram (PPG) for pulse rate (PR), and heart rate (HR).

The wireless device communicates with any smart mobile phone operating DynoLife application or third-party customized applications and sends the raw data to the cloud for computation. In contrast to traditional systems, the raw data is analyzed and results computed not in the device but in the cloud by an intelligent analytic (IA) engine with further capability to interpret other metrics including changes in blood pressure (BP), perfusion index (PI), different types of cardiac ailments such as Atrial Fibrillation (AFib), Heart Rate Variability (HRV), and other capabilities for its IA engine that are in various stages of development and testing.

Furthermore, DynoSense has built an advanced world-class intelligent software system to offer patients clinically-based insights that make it easier to maintain optimal health. Its Health Relationship Management Services (HRMS) platform allows members of healthcare specialists team to aggregate and interpret health data and information to create actionable, personalized and timely individualized health care plans. Using the Medical Decision Support Algorithms (MDSA), companies can provide more comprehensive clinical and financial outcomes while creating a unique experience for people with high risk health factors or chronic conditions.

DynoSense HIPAA compliant health cloud (DYNOCLOUD) API, Software-as-a-Service (SaaS) platform, restructures data into a personalized and actionable information format to assist the care-experts to identify health conditions of concern and create individualized wellness plans. DYNOSCORE, an innovating new health scoring system, can predict clinical exacerbation days in advance of a critical event.

Care providers are given access to a dashboard (DYNOCARE) where they can monitor the individual's periodic measured status from the device, surveys, habits and receive alerts of unusual or troubling changes in a member's routine. Members also have the option to communicate via text and video in our health social environment where they can receive support from care-experts and care-friends.

With these advances in health technologies, one can induce positive behavior to improve the human health condition. DynoSense is well-positioned to be working with various organizations worldwide to further mature its technology and make them fully commercially ready and available by the first half of 2020. The company has collected over 100,000 data sets from various trials and is extending datasets in collaboration with partners.

DynoSense's solution has a market size exceeding $50B USD spanning multiple segments including elderly healthcare, chronic care, hospital discharge management, geographically isolated regions, contract research organizations (CROs), and consumer health and wellness.

"A new era of cloud-based health monitoring and analysis systems is upon us," said Lee Winters, MD, professor of medicine and Silicon Valley biotech consultant. "This will radically change the practice of medicine and usher in new ways of caring for patients especially those in outlying and rural locations."