

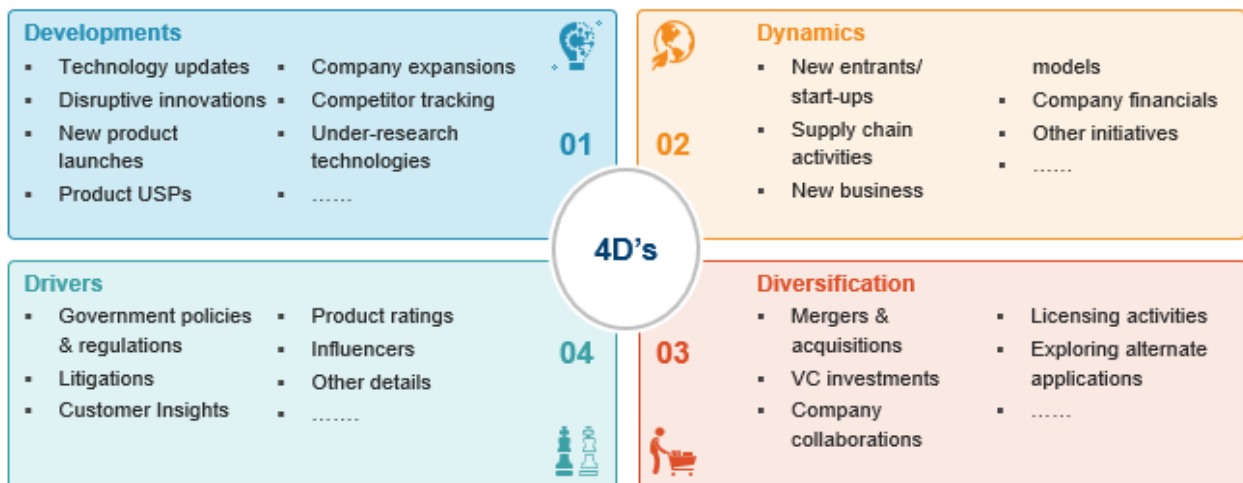
INTELLOTRACKER

WEARABLES FOR REMOTE MONITORING

JUNE 2023



ARANCA'S QUARTERLY SECTORIAL UPDATE ACROSS FOUR DIMENSIONS....





DEVELOPMENTS

Under-research technologies		A sleep respiration monitoring system is currently under research which provides a flexible wearable system suitable for monitoring sleep apnea. <i>Source: Patents</i>
Under-research technologies		An AI-driven IoMT architecture monitors patients' health by collecting data from their bodies through sensors, transmitting it via gateway/Wi-Fi, and storing it in the IoMT cloud repository. <i>Source: Smart IoMT</i>
Technology/Innovations		Abbott announced new data that found monitoring patients remotely with hemodynamic pressure sensing technology, such as with its CardioMEMS HF System, can significantly improve survival in heart failure patients with reduced ejection fraction (HFrEF). <i>Source: CardioMEMS</i>
Technology/Innovations		Telli Health and Senet Introduce Remote Patient Monitoring Product Line Powered by LoRaWAN® Technology It's a complete, mobile-first model for cardiovascular and heart disease management that incorporates low-cost devices and wearables. <i>Source: BusinessWire</i>
New product launches		Blue Spark Technologies, Inc., a leader in wearable remote patient monitoring solutions, will showcase TempTraq, the remote patient monitoring company, plans to demonstrate its continuous temperature monitoring device. <i>Source: Blue Spark Technologies</i>
New product launches		Mindray launched its new mWear system, a wearable patient monitor that combines all the benefits of complete wireless interconnection with accurate multi-parameter monitoring, streamlined workflows, and integration into home-hospital settings. <i>Source: Mindray mWear</i>
New product launches		Medtronic and NVIDIA will integrate NVIDIA healthcare and edge AI technologies into Medtronic's GI Genius™ intelligent endoscopy module, developed and manufactured by Cosmo Pharmaceuticals. <i>Source: MDI Vital Signs</i>
New product launches		Apple Watch continues to advance its health features with each iteration – like its FDA-approved electrocardiogram (EKG) embedded in the Series 4, and both a menstrual health-tracking feature and a dedicated Research app added to the Series 5. <i>Source: Apple Watch -series 4 & 5</i>



DYNAMICS

Supply chain activities		ATL Technology helps medical device manufacturers optimize their device designs, manufacturing processes, and supply chain to ensure top performance and cost-effectiveness for their products. <i>Source: ALTechnology</i>
Other initiatives		The Vios Chest Sensor is a wireless, FDA-cleared medical device that enables continuous monitoring of a patient's vital signs data. Its small size and wireless connectivity provide a 7-lead ECG, heart rate, respiratory rate, SpO2, pulse rate, posture and activity. <i>Source: Viosmedical</i>
Other initiatives		Implicity has developed an AI-powered device-agnostic cardiovascular monitoring platform that allows physicians to collect data from different IIRs and deploy a range of AI tools to help with diagnostics, rehabilitation and ongoing measurement. <i>Source: Healthtech Firms</i>






DIVERSIFICATION

Mergers and acquisitions	 	Softheon Expands Artificial Intelligence in Care Management for Health Plans through Acquisition of NextHealth Technologies. NextHealth is an AI-powered, healthcare-based software-as-a-service (SaaS) analytics service. <i>Source: NextHealth Technologies And softheon</i>
Merger and acquisitions	 	Clearday Inc. and Viveon Health Acquisition Corp. Announce Definitive Merger Agreement to Accelerate Innovative Longevity-Tech Platform to Market. <i>Source: Clearday Inc. and Viveon Health</i>
Company collaboration	 	A collaboration between Cadence and Ardent Health Services will add a remote patient monitoring (RPM) program to Ardent's facilities across six states, allowing patients to obtain remote care for chronic conditions from their homes. <i>Source: Cadence and Ardent Health Services</i>
Company collaboration	 	The American College of Cardiology is collaborating with Heartbeat Health to set a new standard for virtual care, providing cardiologists a full-service telemedicine solution with features that go beyond generic platforms. <i>Source: HeartbeatHealth</i>
Company collaboration	 	Medtronic announces partnership with BioIntelliSense for exclusive U.S. distribution of multi-parameter wearable for continuous remote patient monitoring from in-hospital to home. <i>Source: PRNewsWire</i>



DRIVERS

Government regulations		<p>Recommendations for the Quality Management of Patient-Generated Health Data in Remote Patient Monitoring: Mixed Methods Study - PubMed (nih.gov), Patient-generated health data (PGHD) collected from innovative wearables are enabling health care to shift to outside clinical settings through remote patient monitoring (RPM) initiatives.</p> <p>Source: National library of Medicine</p>
Government regulations		<p>Telemedicine has the power to speed up the delivery of universal health coverage while strengthening primary care. There is a widening gap between people and those who offer basic health services as the population in India has grown, and the average lifespan has increased.</p> <p>Source: National library of Medicine</p>
Others		<p>Coverage Policy addresses remote patient monitoring (RPM), also known as remote physiologic monitoring and remote therapeutic monitoring (RTM). Technology used for remote monitoring includes software, use of a mobile device, or a wearable device.</p> <p>Source: Medical Coverage policy</p>



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