START-UP NATION CENTRAL

Innovative Israeli Companies with Solutions for COVID19

General List - Healthcare

March 2020

START-UP NATION CENTRAL

Table of Contents

Prediction and Prevention

Binah.ai

Ready-to-use AI-powered Apps

Binah.ai specializes in simplifying and accelerating AI adoption with enterprise-ready apps. Its simple plug-and-play Binah.ai data science engine enables companies to focus their energy and resources on creating new value-added services powered by proven AI without spending millions on customized in-house research and massive hiring.

The company applies its expertise in the areas of machine and deep learning, signal processing, and AI to address high-value problems for major clients worldwide in sectors such as digital healthcare, insurance, industry 4.0 manufacturing, capital markets, and more.

Binah.NO W offers a virtual data science platform that combines signal processing and machine learning to accelerate the path from data to insights. Its proprietary, comprehensive AI deep-learning framework seeks to deliver best-in-class results in terms of accuracy, performance, and stability.

Binah.NOW requires no corporate infrastructure to derive its answers, and deployment involves simply integrating the results with the user's operational business systems that will be executing the process.

Founded	2016
Funding stage	Seed
Employees	11-50
Product stage	Released
Business model	B2B

Finder URL

DataClue.io

Pharmaceutical Research and Development for Discovering New Drug Opportunities

DataClue.io is an early-stage start-up in the digital health space with a focus on pharmaceutical/biomedical drug research and development. DataClue.io aims to help large pharmaceutical companies discover significant new drug opportunities through their data, shorten time to market, and collaborate internally and externally in clinical research and drug development. The company intends to accomplish its objectives by discovering new drug opportunities through clinical trial cross-analysis, while also helping to manage the rights of the parties collaborating on the research.

Founded	2019
Funding stage	Bootstrapped

Employees 1-10

Product stage R&D

Business model B2B

Finder URL

Sonovia

Sono-coating Applications

Sonovia is developing a single-step, sono-coating process, utilizing a unique physical phenomena called cavitation. This process eliminates the need for any chemical binders, greatly reducing the required chemicals in the coating process while allowing for a highly homogenized, high-performance coating. Sonovia's first coating on the market is antibacterial, odor safe, sustainable, and durable to harsh industrial laundries.

Founded 2013

Funding stage Revenue Financed

Employees 1-10

Product stage Alpha

Business model B2B

Finder URL

OHK Medical Devices

Orthopedic, Vascular Surgery & Emergency Medicine Products

OHK Medical Devices manufactures and sells products for orthopedic surgery, vascular surgery, and emergency medicine. Its core patent-protected technology is a line of single-use devices designed to quickly and effectively displace blood from the limbs and block its re-entry.
OHK's HemaClear line of sterile surgical products are widely used to create a bloodless surgical field. The company has also developed the EED product line for use in emergency medicine. The EED system is used to auto-transfuse a patient's own blood from the limbs into central circulation during severe shock or cardiopulmonary resuscitation (CPR). HemaClear is FDA listed and CE marked.
In November 2018, the company launched HemaShock, an emergency auto-transfusion tourniquet, which is used to squeeze blood out of the legs (also arms if needed) and block reentry of arterial blood flow into those limbs. This can be done quickly by a single caregiver even during transport. The HemaShock is indicated for use in patients who have very low systolic blood pressure (i.e. less than 80 mm Hg) due to hemodynamic shock or circulatory (cardiac) arrest.

In February 2020, the company has started developing ViriMASK, a patent-pending facemask aimed at providing protection from viruses (as Coronavirus), and more.

Founded 2002

Funding stage Revenue Financed

Employees 11-50

Product stage Released

Business model B2B

Finder URL

Soapy Care

IoT-powered Hygiene Stations

Soapy Care has developed an IoT-powered hygiene micro-station designed to provide users with a precise dose of soap and water. The station turns the hand-washing process into digital data, and the company's technology produces data and insights from the device's use.
Soapy's technology is designed to ensure that employees wash their hands properly when needed. The company helps businesses around the world that lack adequate access to proper hygiene align with regulatory recommendations and reduce the spread of infectious diseases.

Founded 2018

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2G

Finder URL

IVT Medical

Wound-healing Technologies

IVT Medical is a medical device company that specializes in the research, design, and development of wound-healing technologies. The company seeks to provide safe, effective, and accessible technologies to enhance wound healing, contributing to a better and more humanistic world.
IVT Medical's first product, the TopClosure System, is intended for the management of simple and complex wounds for civilian, military, and mass-casualty injury applications. The company has also developed the Vcare α, a wound-healing device that applies regulated, negative-pressure-assisted

wound treatment to enhance the healing of complex and hard-to-heal wounds. When applied concurrently, the TopClosure and Vcare α offer the ideal conditions for improved wound healing.

The company is introducing a new mask that would have a special advantage in COVID19 medical crisis. It is meant mainly for the protection of the medical staff or emergency personnel dealing with COVID19 patients or suspects.

Founded 1997

Funding stage Revenue Financed

Employees 1-10

Product stage Released

Business model B2B, B2G

Finder URL

TransAlgae

Algae-based Drug-delivery Platform

TransAlgae develops an algae-based platform for the oral delivery of drugs (vaccines, immune modulators, insecticides, etc.) for animal health and crop protection applications.
In the area of animal health, TransAlgae's oral-delivery technology replaces the need for antibiotics and vaccination by time-consuming and expensive injections. The company's algal powder, containing the desired drug or vaccine, is used as a feed supplement, enabling vaccination by feeding.
TransAlgae has also developed a proprietary platform for the delivery of biological-based insecticides to be sprayed on crops. The technology enables targeting particular insects in a specific manner, replacing the need for toxic chemicals. The GM algae are inactive, affecting neither animals nor crops, and are classified as a GMO-derived material.

The company believes it can develop a coronavirus vaccine, and orally deliver it through their algae based technology

Founded 2008

Funding stage A

Employees 11-50

Product stage Released

Business model B2B

Finder URL

Argaman Technologies

Bio-inhibitive Cotton

Argaman Technologies develops, designs, and manufactures multiperformance textiles for a wide range of applications. The company focuses on developing permanently self-sterilizing, flame-proof, multifunctional yarns and fabrics.
Argaman uses ultrasonic waves to blast natural compounds into cotton and other fibers so that a permanent mechanical bond is formed between the compound and the substrate. The use of ultrasonic waves is eco-friendly, and the processes also enable textiles to achieve a high level of performance and efficacy.
One of Argaman's technologies is designed to significantly reduce the incidence of hospital-acquired infections. Another can be embedded in pillowcases in order to reduce the appearance of facial wrinkles. Argaman also produces a cotton that is non-ignitable.

Founded 2012

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2B2C

Finder URL

ADI Medical Equipment

Antibacterial Medical Carts

ADI Medical Equipment is a professional medical cart manufacturer and provider of computerized carts for point-of-care use. The company builds its carts using antibacterial materials that actively kill microbes.
ADI's SophistiCart is an automatically adjusting antibacterial cart that is modular, ergonomic, and lightweight. The company's carts are suited for any all-in-one PC that is DC powered and VESA compatible.

Founded 2004

Funding stage Revenue Financed

Employees 1-10

Product stage Released

Business model B2B

Finder URL

Medial EarlySign

Early Detection of Life-threatening Conditions

Medial EarlySign develops machine-learning-based decision-support tools that expose the hidden layer of information in standard medical data. These new insights enable personal and outcome-based interpretation of medical data, yielding individualized predictions and treatment options for each patient, as well as early prediction of life-threatening conditions. The company's tools are designed to offer healthcare organizations a new way of looking at their data, empowering them with proactive, personalized, and predictive care management capabilities.
Medial EarlySign built and refined an algorithmic platform designed to handle large-scale medical data and billions of medical data elements. The company's validated algo-medical platform creates thousands of parameters based on existing medical data, analyzing trends and interrelationships over time. This enables users to set personalized risk levels for mass populations in moments and identify individuals who may require further intervention.
The company is currently conducting clinical trials in 14 research institutions around the world with more than 5 million patients.
Medial EarlySign was named a cool vendor in "Cool Vendors in AI for Healthcare, 2017" by the Gartner Research Group.

Founded	2009
Funding stage	B
Employees	11-50
Product stage	Released
Business model	B2B

Finder URL

Diagnostics and Decision Support

BATM

Medical and Telecom Solutions

BATM Advanced Communications provides real-time technologies for networking and cyber-security solutions and for biomedical and biowaste treatment solutions via its two operating divisions.
The company's biomedical division is focused on the development and provision of diagnostic laboratory equipment and services as well as products to treat biological pathogenic waste in the medical, agricultural, and pharmaceutical industries. The networking and cyber division offers telecom network solutions, with a focus on advanced software and cyber security, primarily targeting tier-one businesses and governments worldwide.
Established in 1992, BATM is headquartered in Israel with offices in North America, Europe, and the Far

East. The company is listed on the Main Market of the London Stock Exchange. Its technology is backed by strong intellectual property and patents.

The company started to manufacture the quick diagnostic kit for COVID19.

Founded 1992

Funding stage Public

Employees 51-200

Product stage Released

Business model B2B

Finder URL

MilagroAI

AI-based Predictive Analytics for Healthcare

MilagroAI develops AI-based solutions to provide hospitals with predictive analytics about healthcare. MilagroAI leverages existing knowledge to create a real-time process that is fast, accurate, context based, and population specific.
Milagro's platform continually analyzes all relevant structured and unstructured data from the electronic medical record, monitors, and other sources. The contextual clinical-text analytics technology can interpret complex clinical context in real time and translate it into meaningful and actionable information about the patient.
MilagroAI was founded to address the ongoing problems of hospital-acquired infections and readmissions.

Founded 2014

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2G

Finder URL

K Health

AI Personal Health Assistant

K Health developed K, an AI personal health assistant powered by millions of real medical charts, notes, and labs. K shows patients how doctors have diagnosed and treated other people with similar cases. K can address a wide variety of symptoms and primary-care outpatient conditions.

Founded 2016

Funding stage C+

Employees 51-200

Product stage Released

Business model B2C, B2B2C

Finder URL

Inovytec Medical Solutions

Emergency Critical Care Devices

Inovytec Medical Solutions develops innovative products designed to dramatically increase survivability in out-of-hospital medical emergencies.
The company's solutions include the SALI, an automated oxy-defibrillator that combines oxygen therapy, airway management, and defibrillation along with real-time telemonitoring and emergency notification; the LUBO, an upper-airway opening device combined with a cervical collar for noninvasive airway management in cases that require cervical fixation or immediate airway management; and the VENTWAY, a multifunction, ultralight ventilator designed for critical care and oxygen therapy under field conditions.

Founded 2011

Funding stage B

Employees 11-50

Product stage Released

Business model B2B, B2C, B2G

Finder URL

Vocalis Health

Voice-based Analysis and Detection of Different Health Conditions

Vocalis Health is developing a technology for the voice-based analysis and detection of health issues such as heart and respiratory conditions and depression. The company focuses on artificial intelligence and voice analysis applications for the health sector. Its technology will allow healthcare providers to assess a person's health based on their voice, specifically for conditions that influence the vocal cords, such as heart and respiratory diseases and depression.
Vocalis Health was formed due to a merge between two Israeli digital health start-ups: Beyond Verbal Communication and Healthymize.

Founded 2019

Funding stage Seed

Employees 11-50

Product stage R&D

Business model B2B

Finder URL

RespiDx

Pneumonia Diagnosis in the Field

RespiDx is a social impact venture that has developed the Multimometer, a device designed to enable simple diagnosis of pneumonia and febrile disease in the field by untrained community health workers. The automatic diagnosis of pneumonia is based on World Health Organization diagnostic criteria.
RespiDx's efforts are currently focused on optimizing the company's pneumonia diagnosis device for mass manufacturing and market entry. Clinical studies of the Multimometer have been performed in the Democratic Republic of the Congo.
RespiDx's activities in diagnosing pneumonia in underdeveloped countries are supported by Grand Challenges Israel, USAid, and Grand Challenges Canada.

Founded 2015

Funding stage Seed

Employees 1-10

Product stage Alpha

Business model B2B2C

Finder URL

Sonovos

Sound-based Chest Diagnostics

Sonovos develops acoustic digital diagnostic systems. The company is focusing initially on chest acoustics to help with early diagnosis and management of chronic diseases such as asthma, COPD, heart failure, and pneumonia.
Using body infrasound and deep learning classification, Sonovos delivers valuable medical information with the aim of creating a fast, accurate, cost-effective integrative healthcare system for hospitals and clinics.
The company's CompuSteth device is able to detect, identify, and present inaudible sounds to physicians in a visual manner, thereby making diagnosis faster and more precise without patients being exposed unnecessarily to CT or X-ray radiation.
The AIS is a portable device that captures chest sounds/infrasounds and uses deep-learning computerized classification of specific irregularities.
The Spirome gives patients with chronic illnesses an intuitive, reliable device that monitors their chest functions, transmits the information to their doctor or other care providers, and enables them to control and manage their condition. The device is designed to help prevent seizures and reduce the amount of time spent in clinics and hospitals.
The company's devices are currently awaiting FDA approval.

Founded	2016
Funding stage	Seed
Employees	11-50
Product stage	Released
Business model	B2B

Finder URL

RadLogics

Medical Imaging Analytics for Radiology

RADLogics is a software analytics platform designed to increase radiologists' productivity and accuracy. RADLogic's Virtual Resident solution searches, measures, characterizes, and prepares a preliminary findings report, using machine learning image analysis to process the enormous amount of imaging data associated with CTs, MRIs, and X-rays. Within minutes, a draft report, including key images, is delivered to the radiologist's reporting system, allowing radiologists to focus their time and attention on diagnosis.
The Virtual Resident's findings are merged with the patient's medical record information. Every piece of information is visible for review and preparation of the final diagnostics report, including patient identification, imaging technique, findings (including quantified measurements), and key images. The

platform uses automatic image analysis, and is therefore not subject to human variability, thus minimizing the chance of inconsistencies.

Founded 2010

Funding stage A

Employees 11-50

Product stage Released

Business model B2B

Finder URL

Remote Monitoring

Tyto Care

Remote Examination and Consultation with a Physician

Tyto Care aims to transform primary care by putting health in the hands of consumers. The company seamlessly connects people to clinicians to provide optimal home examination and diagnosis solutions.

Tyto Care offers a remote examination tool and telehealth platform that enables a complete examination of the heart, lungs, skin, throat, and ears, including temperature readings, anywhere and anytime. The company's mission is to provide easy, affordable, and high-quality telehealth visits, complete with medical exams, all from the comfort of the patient's home.

Tyto Care has three telehealth products: TytoHome for consumers, TytoPro for professionals, and TytoClinic for remote point-of-care locations. All of the company's solutions are designed to replicate a face-to-face clinician visit and include a handheld modular examination tool for examining the heart, lungs, skin, throat, ears and body temperature; a complete telehealth platform for sharing exam data, conducting live video exams, and scheduling visits; a cloud-based data repository with analytics; and built-in guidance technology and machine learning algorithms to ensure accuracy and ease of use.

The Tyto platform also allows for simple integration with EHR systems and other telehealth platforms.

Founded 2012

Funding stage C+

Employees 11-50

Product stage Released

Business model B2B, B2C, B2B2C

Finder URL

Vayyar

Portable 4D Imaging Sensors

Vayyar develops safe, mobile, low-cost 4D imaging sensors, enabling applications in the fields of cancer detection, people-tracking, vehicle automation, security, radiation-level testing, construction, and much more.
Vayyar started with the vision to develop a new modality for breast cancer detection, using RF to quickly and affordably look into human tissue and detect malignant growths. As the technology matured and evolved, Vayyar expanded it to unleash new capabilities and widen its application scope to countless other markets.
Vayyar's powerful, innovative chip creates high-resolution images in real time based on advanced RF technology. The chip covers imaging and radar bands from 3GHz to 81GHz with 72 transmitters and 72 receivers. Enhanced by an integrated, high-performance DSP with large internal memory, Vayyar's sensor executes complex imaging algorithms without any need for an external CPU. By harnessing a multitude of signals being sent, received, and analyzed, Vayyar's technology creates high-resolution 4D images.
In 2018, Vayyar Imaging was recognized by the World Economic Forum as a Technology Pioneer with the potential to transform society and industry.

Founded	2011
Funding stage	C+
Employees	51-200
Product stage	Released
Business model	B2B, B2G

Finder URL

Datos Health

Fully Automated Remote Care Platform

Datos provides a remote care software platform that fully automates the transition of care processes and patient journey management from hospitals to the home. The company's full-stack software platform equips care teams with tools to remotely manage complex clinical protocols, automatically delivering personalized remote care seamlessly merged with existing operational workflows at a fraction of the cost.
Datos agnostically integrates with wearables and medical devices to deliver a valuable stream of clean, validated, and relevant patient data, intelligently combining sensor-generated vitals and indicators with patient electronic medical record (EMR) data. Datos then applies advanced algorithms to the aggregated data and continuously analyzes all information in order to detect and predict anomalies and to issue and

incorporate complex clinical insights into personalized and adaptable care pathways.
The Datos platform fully automates all these processes, thereby increasing the care team's capacity while reducing the need for redundant patient visits and consequently keeping down costs.

Founded 2015

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2B2C

Finder URL

Somatix

Remote Patient-monitoring Software Solution

Somatix is a provider of Safebeing, a wearable-enabled RPM (Remote Patient Monitoring) software platform for healthcare. SafeBeing is a real-time Remote Monitoring solution that enables caregivers to passively detect changes in conditions, reduce hospitalizations, and improve on quality metrics. Using a simple, waterproof smartband with built-in sensors, SafeBeing tracks users' activities of daily living using novel gesture-detection algorithms and provides insights and predictive analytics around them including sleep quality, fall risk, fall detection, drinking/hydration, activity patterns, wandering, UTI risk and more. Somatix's SmokeBeat is a smoking cessation passive monitoring solution that taps into smartwatch and smartband accelerometer and gyroscope sensors, among others, to identify and distinguish smoking from other hand-to-mouth gestures. SmokeBeat features passive raw data collection capabilities, with Big Data analysis and predictive analytics applied to generate and issue actionable insights to healthcare providers and users alike, via a customizable dashboard.

Founded 2015

Funding stage A

Employees 11-50

Product stage Released

Business model B2B, B2C

Finder URL

Perlis

Wireless, Remote Patient-monitoring Solution

Perlis offers an artificial intelligence system for seamlessly monitoring health conditions of the elderly at home, enabling the early identification of diseases. Perlis provides physicians with objective information based on changes in patients' functionality and functional behavior.
Simulating human decision-making processes without the need for any human intervention, the Perlis system monitors patients' daily activities. Data is collected, processed, and analyzed by the company's AI algorithms, which are based on fuzzy logic techniques and robotics disciplines, for the early detection of frailty and other symptoms of diseases affecting the elderly.

Founded 2010

Funding stage Revenue Financed

Employees 11-50

Product stage Beta

Business model B2B

Finder URL

CardiacSense

Smart Watch for Cardiac and Blood Pressure Monitoring

CardiacSense develops noninvasive optical-based sensor technology for the medical market. The company has developed a clinically proven medical wearable device for monitoring heart arrhythmias. Its sensor monitors real-time vitals and heart-related parameters, including heart-rate variability and blood pressure.
The company's proprietary optical solution and advanced algorithms detect and measure heart activity from different external areas of the body, comfortably and nonintrusively. The combination of CardiacSense's hardware, algorithms, and mobile application results in a solution that provides the customer with a reliable heart monitor with low power consumption.
The CardiacSense watch is currently in the advanced stages of FDA and CE certification. CardiacSense has received ISO 13485:2016 certification for its quality management system from BSI UK.

Founded 2009

Funding stage Seed

Employees 11-50

Product stage Beta

Business model B2B

Finder URL

ResMetrix Medical

Wearable Respiratory Monitoring System

Resmetrix Medical has developed a wearable technology designed to monitor patients with asthma and COPD in order to provide early warning of episodes. The company's solution also immediately notifies clinicians if the patient's condition worsens, enabling rapid medical intervention with the aim of preventing hospitalization.
The Resmetrix wearable respiratory monitoring system consists of a sensor integrated into a comfortable chest strap or patch that continuously and accurately monitors the patient's respiratory patterns, regardless of the individual's location or activity. The device wirelessly connects to a smartphone app that displays the patient's respiratory parameters and vital signs in real time and can communicate exacerbations early, ensuring rapid attention and clinician response.
The Resmetrix system utilizes an AI-powered algorithm that assesses disease progression based on the patient's breathing patterns and trends. The device is seamless to the patient, requiring no interaction or management to enable its continuous monitoring of lung performance and other related health indicators.

Founded	2017
Funding stage	Seed
Employees	1-10
Product stage	Clinical Trial
Business model	B2B, B2B2C

Finder URL

ContinUse Biometrics

Remote Contactless Biometric Sensor

ContinUse Biometrics develops remote, contactless biometrics. The company's sensor performs active, continuous biometrics, scanning a distance of up to several hundred meters. The technology is particularly applicable to the eHealth, IoT, mobile, and consumer goods markets.
Produced by a team of academics, the ContinUse sensor is based on nanotechnology that detects molecular vibration. It requires no physical contact with the user and can simultaneously monitor over 20 biomedical parameters remotely, including vital signs (including blood pressure and cardiographs), auscultation of heart and lung sounds, muscle activity, and even biochemical screens.
ContinUse applies advanced AI techniques to analyze the collected data in its health cloud, providing actionable insights for end users, whether patients or physicians, in fields such as cardiac, vascular,

neurology, pulmonary diseases, and diabetes. Its technology can even be used for enhancing road safety by tracking driver competence and alertness.
ContinUse was selected out of 2,000 companies to present in the health category at CB Insights' first-ever Demo Day. The company also received Frost & Sullivan's 2017 Europe Technology Innovation Leadership Award for developing contactless biometrics authentication technology.

Founded 2015

Funding stage B

Employees 51-200

Product stage Beta

Business model B2B, B2B2C

Finder URL

Oxitone Medical

Wearable Wrist Sensor and Continuous Care Platform

Oxitone is a B2B2C medical device and digital health company in its initial revenue stage and a pioneer in the area of digital continuous care. The company offers an FDA-cleared wrist sensor, pulse Ox monitor, and platform with early disease indication, a smart alert system, and real-time patient risk tracking.
The Oxitone 1000M is an FDA-cleared health monitor that works without a bulky fingertip probe. Its blood oxygen, pulse, temperature, and motion biosensors are worn on the wrist. The device combines the convenience of a wearable tracking technology with continuous monitoring capabilities. Oxitone's technological solution is protected by four U.S. patents.
Oxitone allows providers to analyze data from continuous tracking, empowers patients to participate in their own care plans, and predicts and alerts against potential future complications.

Founded 2010

Funding stage A

Employees 11-50

Product stage Released

Business model B2B2C

Finder URL

Cnoga Medical

Noninvasive Devices for Measuring Blood Parameters and Glucose Levels

Cnoga Medical develops and manufactures noninvasive, pain-free medical devices for personal use and remote medical care. The company's products are designed to enable users to measure, collect, and make sense of health-related data and to use that information to improve their health.
Cnoga offers glucose-reading devices that require no finger pricking. Four LEDs within the finger compartment shine wavelengths from visual light to infrared in a continuous spectrum. As the light wave passes through the fingertip, some of it is absorbed and the light signal is changed. A camera sensor detects the changed light signal in real time and delivers it to a processor that uses patented algorithms and a vast amount of data to compute and analyze the correlation between the signal and bioparameters.
In April 2016, Cnoga Medical received approval for its TensorTip, MTX, and VSM noninvasive multiple-bioparameter measurement devices from the China Food and Drug Administration (CFDA). The company is currently working on three new products: the CNOGA Compact CoG, the CNOGA MTX Lite, and the Cnoga CoG Watch with continuous glucose monitoring.

Founded	2004
Funding stage	Revenue Financed
Employees	51-200
Product stage	Released
Business model	B2C, B2B2C

Finder URL

Biobeat

Wearable Vital Sign Monitor

Biobeat develops a wearable device for continuous, noninvasive, accurate, medical-grade monitoring of vital signs including blood pressure, oxygen saturation, respiratory rate, heart rate, consciousness, cardiac output, stroke volume, body temperature, steps, and sweat.
Biobeat's wearable device automatically uploads the recorded data to a smartphone-based app and to the cloud, where it can be monitored remotely. Caretakers can intervene if needed, and users can receive alerts directly from the app. This provides caretakers with an important tool to assist in disease management and optimize clinical outcomes.
The Biobeat system also facilitates remote monitoring of patients with a variety of medical issues. Ultimately, this solution allows patients to be treated in their homes. It can monitor stationary patients as well as those who perform outdoor activities.
In 2018, Biobeat received FDA 510K clearance (K181006) for its monitoring system and partnered with DRIVe, a division of the Biomedical Advanced Research and Development Authority, to develop a

wearable monitoring device that diagnoses the flu and infections before any symptoms appear.
In August 2019, Biobeat received 510K FDA clearance for its patch and watch.

Founded 2014

Funding stage Seed

Employees 1-10

Product stage Released

Business model B2B2C

Finder URL

VITALERTER

IoT Patient Monitoring Platform

VITALERTER develops lightweight, contact-free, IoT biosensors for patient monitoring. The company's solution is designed for long-term care facilities, hospitals, and telehealth providers, with no IT integration needed. Its sensors attach under patient beds and send data via WiFi to a cloud-based machine-learning platform, providing continuous and contact-free monitoring of vital signs and body movements.
VITALERTER's cloud-connected vital-sign-monitoring solutions are designed for vulnerable patients who require close monitoring without one-to-one nursing care. Its systems leverage available hospital infrastructure and remotely connect nurses and doctors to their patients through a smartphone app. The platform contacts the care staff on any mobile device and includes reports and graphical data analysis for the medical team.
The VITALERTER platform detects early-stage vital-sign deterioration; warns of bed exits by at-risk patients; prevents falls and pressure ulcers through preventive alerts; and continuously displays bed occupancy, heart rate, respiratory rate, and stress level, enabling medical teams to improve the quality of patient care and protection.

Founded 2016

Funding stage Bootstrapped

Employees 1-10

Product stage Released

Business model B2B, B2B2C

Finder URL

Beecardia

Mobile Health and Cloud Platform for Cardiology

Beecardia, by Witalize, provides devices for ECG monitoring and analysis. Beecardia's solution consists of high-quality 3–12-lead ECG sensors and an electronic stethoscope designed to record, upload, and interpret cardio signals anywhere and anytime in conjunction with mobile, desktop, and web software. Beecardia's solution is based on patients' smartphones and computers and can be used for both early diagnostics and chronic patient monitoring at home.

Founded 2008

Funding stage Revenue Financed

Employees 11-50

Product stage Released

Business model B2C

Finder URL

EarlySense

Contact-free Monitoring Solutions

EarlySense has developed a contact-free monitoring system designed to enhance safety and reduce risk for general care patients. EarlySense can be used by hospitals, healthcare systems, integrated delivery networks, and rehabilitation centers.
The EarlySense system provides continuous touch-free monitoring of a patient’s heart rate, respiratory rate, and movement, enabling clinical teams to detect and address early signs of deterioration, including falls and pressure ulcers. The system’s real-time delivery of actionable data, paired with its patient-management tools, helps empower clinical staff to identify potentially critical situations as early as possible.

Founded 2004

Funding stage C+

Employees 51-200

Product stage Released

Business model B2B, B2C

Finder URL

Treatment

Kamada

Plasma-derived Protein Therapeutics

Kamada is a plasma-derived protein therapeutics company with a commercial product portfolio and a late-stage clinical pipeline. The company uses its proprietary platform technology and expertise for the extraction and purification of proteins from human plasma.
The company has two FDA-approved products: GLASSIA, intravenous plasma-derived Alpha-1 Antitrypsin (AAT) for the treatment of AAT deficiency, marketed in the United States through a strategic partnership with Shire Plc; and KEDRAB, a rabies immune globulin (human) product distributed in the United States by Kedrion. Kamada also sells an additional four plasma-derived pharmaceutical products in approximately 20 markets.
Kamada has products in late-stage clinical development, including an inhaled formulation of AAT and intravenous AAT for the treatment of type 1 diabetes and GvHD and the prevention of lung transplant rejection.

Founded	1990
Funding stage	Public
Employees	51-200
Product stage	Released
Business model	B2B

Finder URL

Pluristem Therapeutics

Placental Cell Therapy to Stimulate Regeneration & Healing Processes

Pluristem Therapeutics is a regenerative medicine company developing a platform of novel biological products. The placenta-based cell therapy PLX products (PLacental eXpanded) are off-the-shelf, requiring no tissue matching prior to administration. Each patented PLX product releases a distinct combination of therapeutic proteins in response to signals the patient's body, from tissues that have been damaged by conditions such as inflammation, ischemia, muscle injuries, hematological disorders, or exposure to radiation, and stimulate the body's own regenerative mechanisms.

The Company's proprietary three-dimensional expansion technology can be used to grow PLX cells in mass quantities with batch-to-batch consistency at Pluristem's FDA, EMA and PMDA-approved manufacturing facility. The facility enables Pluristem to control its supply chain, and the purity and potency of its cell products, all at a significantly lower cost of goods. Pluristem has a strong intellectual property position, Company-owned and operated, GMP-certified manufacturing and research facilities, and strategic relationships with leading international collaborations.

Pluristem is using its patented placenta-derived cell treatment called PLacental eXpanded (PLX), which is expected to be used in the treatment of respiratory and inflammatory complications associated with COVID-19, the virus.

Founded 2003

Funding stage Public

Employees 51-200

Product stage Clinical Trials

Business model B2B

Finder URL

Social and Mental Aspects

temi

Personal Robotics

temi is a video-oriented, voice-operated autonomous personal AI assistant robot. temi can recognize and follow when requested, save preset locations, and navigate around homes and offices while connecting to smart devices and web services.
temi won first place in the Robots and Drones category at the 2019 CES Asia exhibition. It also won first place in the Robot category at the Edison Awards, was named Best Robot at CES Las Vegas, and received the International PC Magazine Award for Best of Mobile World Congress 2018.
temi's parent company is Roboteam.

Founded 2016

Funding stage C+

Employees 51-200

Product stage Released

Business model B2B, B2C

Finder URL

Intuition Robotics

Intuitive Social Robot for Seniors

Intuition Robotics creates digital companion technology for seniors. The company's cognitive AI agent platform, Q, understands the context of the environment through sensor fusion and makes goal-based cognitive decisions using proprietary algorithms that proactively and intuitively anticipate and engage users with multi-modal expressions.
By utilizing the platform, third-party device manufacturers can facilitate human–machine interactions by turning their products into cognitive proactive digital companions. The company provides this platform to automotive manufactures to create a proactive, personalized in-car agent.
The company's consumer product, ElliQ, is a proactive social robot for older adults. ElliQ is currently available for pre-order on the company's website after a year of beta testing with seniors aged 62–97 that showed remarkable engagement and emotional connection. ElliQ, powered by Q, is aimed at keeping older adults sharp, connected, and engaged by proactively connecting them to their families and the outside world.

Founded	2016
Funding stage	B
Employees	51-200
Product stage	Released
Business model	B2C

Finder URL

Belong

All-in-one Treatment Management Platform for Cancer Patients

Belong offers a personalized, patient-focused, proactive cancer-care management navigator for patients, families, and doctors. The Belong app is designed to help cancer patients manage and improve the treatment process, from diagnosis to recovery, with support from medical professionals, healthcare providers, big data, and their own electronic medical files.
Belong empowers its users to meet, chat, share, and learn with other patients, doctors, and mentors in a social network. The app also helps users organize their medical records and share them with family, friends, and doctors. Belong enables users to keep track of what they’re doing next while staying in sync with their family and doctors.

Founded	2014
Funding stage	B
Employees	11-50

Product stage Released

Business model B2B, B2C

Finder URL

Life Beat

Music-based Treatment Platform

Life Beat is a treatment platform designed to help people worldwide reduce stress levels and achieve emotional balance through an innovative and enjoyable personal music experience. The company is currently developing a patented treatment invented by Dr. Mordechai Lipo which dramatically reduces stress levels and improves inner balance through HRV coherence.
The treatment uses the individual's heartbeat as a metronome and then adjusts the music tempo accordingly. In addition, the user listens to a personal adaptive breathing coach for guidance on how to breathe correctly in order to achieve cardiac coherence. This treatment method is proven to reduce stress and anxiety by over 80% and to increase concentration by over 80%.
The treatment is based on machine learning algorithms that adapt each treatment session to the user's specific physical and mental status. Life Beat partners with HR collection devices ranging from simple pulse meters to advanced ECG garments in order to provide treatment as a therapeutic add-on solution. Life Beat has also developed propriety relaxation headphones to help track HRV coherence and enable users to listen to a personalized soundtrack while improving their physical and mental well-being.

Founded 2017

Funding stage Pre-Seed

Employees 1-10

Product stage R&D

Business model B2B, B2C

Finder URL

XRHealth

Virtual-reality Platforms for Health Management

XRHealth is developing a VR/AR telehealth platform that consists of innovative, immersive, therapeutic applications to address a wide variety of neurocognitive, emotional, and physical symptoms.
The company's applications are combined with an advanced data portal that utilizes artificial intelligence and cloud-computing algorithms to deliver meaningful data analytics for monitoring and managing patients remotely. The platform also enables live two-way interactions between patients and their healthcare providers.

The XRHealth VR/AR telehealth platform strives to enable healthcare providers to precisely adapt treatments to individual patient needs in a fun and engaging way for improved quality of life.
The XRHealth VR/AR telehealth platform is ISO certified, FDA certified, and HIPAA compliant.

Founded 2016

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2C, B2B2C

Finder URL

Kytera

Smart Remote Caregiver for Aging at Home

Kytera has developed a smart remote caregiver solution that provides insight into seniors' activity at home. The solution includes a home system that collects data, a mobile app for family members, and a dashboard for professional caregivers.
Kytera's wellness monitoring seeks to understand the senior's activities to track parameters related to key daily routines such as sleep, nutrition, time spent out of the house, and daily activity. The data is analyzed automatically to detect behavioral symptoms of physical and mental deterioration. The system provides insight with clear, easy-to-understand wellness reports, coupled with actionable recommendations for family members and professional caregivers.
Kytera's technology also provides context for the senior's activities, allowing users to accurately distinguish between regular activities and an emergency situation. The solution offers three circles of protection for emergency detection: an emergency button; advanced fall detection that detects hard and soft falls through an understanding of activity context; and routine-based distress detection, which detects emergencies based on deviation from learned routines using machine learning.

Founded 2013

Funding stage Seed

Employees 1-10

Product stage Beta

Business model B2C, B2B2C

Finder URL

Uniper Care Technologies

AI-based In-home Assistance Platform for the Elderly

Uniper helps the elderly “thrive in place” in a dignified, connected, and fun way. The company promotes active aging through its accessible, AI-based IoT technology. The platform enables the elderly to keep doing what they love, at home, without having to change habits or adopt new technologies or devices. Uniper’s Android-based set-top box turns any TV into an aging-in-place platform. It features a set of holistic services, including social engagement, assistance with performing daily activities, access to entertainment content, and management of medical needs.

Founded 2015

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2C

Finder URL

Wisdo

Social Network for Advice

Wisdo is a mobile app that enables users to share their stories, connect with others who have been through similar experiences, and give and receive helpful advice. Wisdo helps users discover what they need to know, from people who have already been there.

Founded 2015

Funding stage Seed

Employees 11-50

Product stage Released

Business model B2B, B2C

Finder URL