

**IPOs**

The following table includes the medical devices, biotechnology, pharmaceuticals, and healthcare IPO pricings, filings and withdrawals announced over the previous month.

| Company Name                     | Last Financing Date | HQ Location          | Description  | Last Financing Size (Millions) | Lead Manager  |
|----------------------------------|---------------------|----------------------|--|--------------------------------|---|
| Promore Pharma (PROMO)           | 6-Jul-17            | Solna, Sweden        | Owner and operator of a bio-pharmaceutical company developing therapeutic peptides for treating local wounds and infections.   | 8.74                           | Undisclosed   |
| Co-Diagnostics (CODX)            | 12-Jul-17           | Sandy, UT            | Operator of a molecular diagnostics company offering a DNA-based testing platform that specializes in the development of probes for real-time PCR to its customers. It also develops a design and analytics software for DNA test designing. | 7.07                           | Network 1 Financial Securities, Network 1 Securities, WallachBeth Capital |
| NKF Pharmaceuticals (603707)     | 13-Jul-17           | Nanjing, China       | The company is engaged in the extraction and purification of heparin glycosaminoglycan and develops a controlled, traceable, and detectable process for the production of crude heparin.   | 67.22                          | Undisclosed   |
| NextCell Pharma (NEXTCL)         | 13-Jul-17           | Huddinge, Sweden     | Provider of medical products for autoimmune and inflammatory diseases and transplants.   | 2.88                           | Undisclosed   |
| Akcea Therapeutics (AKCA)        | 14-Jul-17           | Cambridge, MA        | Developer of RNA-targeted antisense therapeutic products created to transform the lives of patients with serious cardiometabolic lipid disorders.  | 175.00                         | BMO Capital Markets   |
| PharmaNutra (PHN)                | 18-Jul-17           | Pisa, Italy          | Provider of nutritional supplements and medical devices for the restoration of the ability to articulate and movement in osteoarticular affections.  | Undisclosed                    | Undisclosed   |
| Kala Pharmaceuticals (KALA)      | 20-Jul-17           | Waltham, MA          | Developer of innovative nanoparticle-based treatments created to treat ocular diseases affecting both front and back of the eye, such as dry eye disease and post-surgical ocular inflammation and pain.                                     | 90.00                          | BofA Merrill Lynch, J.P Morgan Securities                                 |
| Grupo Biotoscana                 | 21-Jul-17           | Montevideo, Uruguay  | Developer, manufacturer, and distributor of advanced medicines for gastroenterology, respiratory disease, and immunology.  | 407.24                         | JP Morgan Chase & Co, Itaú Unibanco Holding, Grupo BTG Pactual            |
| Sienna Biopharmaceuticals (SNNA) | 27-Jul-17           | Westlake Village, CA | Provider of medical dermatology and aesthetics treatment therapies for the treatment of inflammatory skin conditions.  | 65.00                          | BMO Capital Markets, Cowen and Company, J.P Morgan Securities             |

Source: Pitchbook

Compiled by: Lea Keller and Morgan Reape

**Private Equity Placements and Venture Capital Rounds**

The following table includes institutionally placed private equity financings for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Company Name             | Last Financing Date | HQ Location             | Round                           | Description  | Last Financing Size (Millions) | Investor(s)  |
|--------------------------|---------------------|-------------------------|---------------------------------|--|--------------------------------|--|
| Mendel.ai                | 1-Jul-17            | San Francisco, CA       | Seed Round                      | Developer of an online platform that matches patients' records with the world's largest knowledge-base of cancer trials and helps to contact and enroll patients in clinical trials. | Undisclosed                    | SOSV   |
| Siegfried Holding (SFZN) | 1-Jul-17            | Zofingen, Switzerland   | PIPE                            | Developer and manufacturer of pharmaceutical products.   | Undisclosed                    | Norges Bank  |
| Theranica                | 3-Jul-17            | Netanya, Israel         | Early Stage VC                  | Developer of non-invasive electrical nerve stimulation medical devices created to treat migraines and other common illnesses.  | 6.00                           | Lightspeed Venture Partners, LionBird, Corundum Open Innovation  |
| Ryboquin                 | 3-Jul-17            | Selkirk, United Kingdom | Early Stage VC                  | Developer of nano-technology and gene therapy designed to treat cancer.  | 2.02                           | Scottish Enterprise, TRI Cap, Strathtay Ventures, Braveheart Investment Group, Brian Kennedy, Brian Souter |
| MobileODT                | 4-Jul-17            | Tel Aviv, Israel        | Early Stage VC                  | Developer of optical diagnostic devices that offer artificially intelligent visual diagnostic tools to conduct visual inspections and detect cancer.                                 | 6.83                           | OrbiMed, Tristel   |
| Teuto Pfizer             | 4-Jul-17            | Anapolis, Brazil        | Secondary Transaction - Private | Manufacturer of pharmaceutical products, including generic drugs, hospital equipment, herbal medicines, food supplements, and other related products.                                | Undisclosed                    | Mr. Marcelo Leite Henriques  |
| Diasome Pharmaceuticals  | 5-Jul-17            | Cleveland, OH           | Later Stage VC                  | Developer of novel and cell targeted therapies designed to treat diabetes and obesity.   | 30.00                          | Medicxi Ventures, JDRF T1D, McDonald's Ventures, Black Beret Life Sciences                                 |

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|------------------------------|---------------------|-----------------------|---------------------------------|---|--------------------------------|--|
| Anaeropharma Science         | 5-Jul-17            | Tokyo, Japan          | Later Stage VC                  | Developer of a genetically enhanced bacteria that fights tumors and proliferates in the hypoxic core of solid tumors where it secretes the enzyme cytosine deaminase, turning a systemically administered pro-drug into a cytotoxic agent, which hollows out the tumor from the inside. | 13.20                          | Seventure Partners, Shinsei Corporate Investment, Novartis Pharma, Mitsubishi UFJ Capital, Innovation Network Corporation of Japan |
| Direct Allergy               | 5-Jul-17            | Erie, PA              | Early Stage VC                  | Provider of immunotherapy treatments for allergy sufferers.   | 0.20                           | Undisclosed Investors  |
| Exosome Diagnostics          | 5-Jul-17            | Waltham, MA           | Later Stage VC                  | Developer of blood-based cancer molecular diagnostics for patient stratification and disease monitoring.  | 30.29                          | Undisclosed Investors  |
| Hemotune                     | 5-Jul-17            | Zürich, Switzerland   | Accelerator/<br>Incubator       | Developer of a medical device designed to purify blood.   | 0.13                           | Venture Kick   |
| GenePath Dx                  | 5-Jul-17            | Pune, India           | Angel                           | Operator of a next generation diagnostics company.  | Undisclosed                    | Undisclosed Investors  |
| Insuline Medical (INSL)      | 5-Jul-17            | Petach-Tikvah, Israel | Secondary Transaction - Private | Manufacturer and developer of disposable insulin kits designed to improve the current meal-time insulin therapy by providing controlled and consistent insulin injection site treatment and stabilization.  | 0.13                           | Mr. Kfir Zilberman   |
| Jawbone Health Hub           | 6-Jul-17            | San Francisco, CA     | PE Growth/<br>Expansion         | Provider of health-related hardware and software services.  | Undisclosed                    | BlackRock  |
| ProMetic Life Sciences (PLI) | 6-Jul-17            | Laval, Canada         | PIPE                            | Developer of therapeutics products for fibrosis, anemia, neutropenia, cancer, and autoimmune disease/inflammation.  | 29.63                          | California Capital Equity, Peter J. Thomson  |

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|---------------------------------|---------------------|-----------------------|-----------------------|--|--------------------------------|--|
| Axonics Modulation Technologies | 6-Jul-17            | Irvine, CA            | Later Stage VC        | Developer of an implantable neuromodulation technology designed for the treatment of urinary and fecal dysfunction.  | 35.00                          | Edmond de Rothschild Investment Partners, Advent Life Sciences, Cormorant Asset Management, Gilde Healthcare, CICA, Legend Capital, Alfred Mann Foundation, NeoMed Management, Undisclosed Investors |
| Sharp Edge Labs                 | 6-Jul-17            | Pittsburgh, PA        | Seed Round            | Developer of biosensors for cellular biology research and screening, and drugs for protein trafficking disorders.  | 2.17                           | Innovation Works, Undisclosed Investors  |
| Sino Biological                 | 6-Jul-17            | Beijing, China        | Early Stage VC        | Provider of contract research services and manufacturer of biological products, including recombinant proteins, monoclonal antibodies, and genetic vaccines, for drug R&D. | 29.40                          | Qiming Venture Partners, Undisclosed Investors   |
| Dune Medical Devices            | 6-Jul-17            | Paoli, PA             | Later Stage VC        | Developer of a radiofrequency spectroscopy platform designed to detect microscopic residual cancer.  | 13.80                          | The Kraft Group, Canepa Healthcare, ATON Partners  |
| Aperiomics                      | 6-Jul-17            | Ashburn, VA           | Angel                 | Developer and provider of a disease diagnosis technology that can simultaneously test for all pathogens.   | 0.06                           | Undisclosed Investors  |
| Muses Labs                      | 6-Jul-17            | Raleigh, NC           | Early Stage VC        | Provider of a software that targets all underlying causes of Alzheimer's with a goal to return individuals to normal cognitive function.                                   | 2.06                           | Undisclosed Investors  |
| Wellsense                       | 6-Jul-17            | Nashville, TN         | Later Stage VC        | Developer of a bedside monitoring system that detects and depicts variations in pressure across a patient's body to aid in the prevention of pressure ulcers.              | 6.30                           | Undisclosed Investors  |
| Vensa Health                    | 6-Jul-17            | Auckland, New Zealand | Accelerator/Incubator | Provider of an online booking platform intended to facilitate online appointment booking to available healthcare services.   | 0.02                           | Vodafone Xone  |

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|------------------------------|---------------------|------------------------|---------------------|--|--------------------------------|--|
| Solera (Health Network)      | 7-Jul-17            | Phoenix, AZ            | Early Stage VC      | Provider of a technology-enabled health community integrator for chronic disease prevention programs.  | 18.33                          | Adams Street Partners, BlueCross BlueShield Venture Partners, Sandbox Industries, SJF Ventures |
| Locum's Nest                 | 7-Jul-17            | London, United Kingdom | Early Stage VC      | Provider of an online recruitment platform designed to customize, filter, and automate the hiring process of locum staffs.   | 1.41                           | Albion Capital, IDO Investments  |
| Total Joint Pro              | 7-Jul-17            | Prospect, KY           | Angel               | Provider of a patient education and navigation platform that tracks patient compliance and measures outcomes throughout the continuum of care.                                     | 0.05                           | Undisclosed Investors  |
| Ferrosan Medical Devices     | 7-Jul-17            | Soeborg, Denmark       | PE Growth/Expansion | Manufacturer of medical devices and equipment designed for haemostasis surgery.  | Undisclosed                    | Impilo   |
| Revenio Group (REG1V)        | 7-Jul-17            | Vantaa, Finland        | PIPE                | Developer of devices and technology intended for the measurement, monitoring, and screening of intraocular pressure for diagnosing glaucoma.                                       | 0.01                           | Mr. Joensuun Kauppa  |
| ArcheMedX                    | 7-Jul-17            | Charlottesville, VA    | Early Stage VC      | Provider of an e-learning and healthcare informatics platform designed to help learning, competency, and performance among healthcare professionals.                               | 2.54                           | Undisclosed Investors  |
| Ativa Medical                | 7-Jul-17            | Saint Paul, MN         | Later Stage VC      | Developer of point-of-care testing medical diagnostic products.  | 9.50                           | Undisclosed Investors  |
| Myocardial Solutions         | 7-Jul-17            | Morrisville, NC        | Later Stage VC      | Developer of magnetic resonance image analysis software designed to enhance the clinical utility of cardiac magnetic resonance testing.  | 5.00                           | Undisclosed Investors  |
| Prellis Biologics            | 7-Jul-17            | San Francisco, CA      | Seed Round          | Developer of human tissues and organs for pharmaceutical testing and organ transplant designed to create high resolution tissue scaffolds that grow into functioning human organs. | 1.85                           | Undisclosed Investors  |
| Advanced Cancer Therapeutics | 7-Jul-17            | Louisville, KY         | Angel               | Developer of therapeutics designed to prevent and treat cancer.  | Undisclosed                    | Frank Weisberg   |

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|---------------------|---------------------|-------------------------|----------------|--|--------------------------------|--|
| CathVision          | 7-Jul-17            | Copenhagen, Denmark     | Later Stage VC | Developer of an electrophysiology recording system designed to guide medical professionals in cardiac ablation procedures.   | Undisclosed                    | VF Venture, Borean Innovation, Undisclosed Investors                       |
| Allegro Ophthalmics | 9-Jul-17            | San Juan Capistrano, CA | Angel          | Developer of ophthalmic drugs designed for the treatment of wet age-related macular degeneration, diabetic retinopathy, and diabetic macular edema.  | 10.72                          | Undisclosed Investors  |
| Enterin             | 10-Jul-17           | Philadelphia, PA        | Early Stage VC | Developer of compounds that act topically from nerve cell membranes and improve neural signalling to the brain stem for the treatment of Parkinson's disease.  | 12.70                          | New Ventures III, Undisclosed Investors                                    |
| Biovotion           | 10-Jul-17           | Zurich, Switzerland     | Corporate      | Developer of a wearable multi-sensor platform integrated into cloud infrastructures to provide users with data on heart rate variability, respiratory rate, energy expenditure, and sleep and stress monitoring.                               | 13.42                          | Swiss Re Group, STMicroelectronics, Harmony Medical, Undisclosed Investors |
| Adient Medical      | 10-Jul-17           | Pearland, TX            | Later Stage VC | Developer of the first absorbable IVC filter for the prevention of pulmonary embolism.   | 1.74                           | Undisclosed Investors  |
| BaseHealth          | 10-Jul-17           | Sunnyvale, CA           | Later Stage VC | Developer of a predictive health management platform that combines genomic data with clinical and behavioral analysis to engage patients with their physicians in a highly-collaborative way and provide personalized disease risk assessment. | 4.54                           | Undisclosed Investors  |
| Iowa Approach       | 10-Jul-17           | Iowa City, IA           | Early Stage VC | Developer of catheter-based tools designed to treat atrial fibrillation by offering access to the outside of the heart.  | 5.00                           | Undisclosed Investors  |
| Chronometriq        | 11-Jul-17           | Montreal, Canada        | Early Stage VC | Developer of a SaaS-based online healthcare platform offering online appointment booking, automated reminders, and medical self-service terminal services.   | 3.50                           | Bridgescale Partners, Undisclosed Investors                                |
| Blueprint Genetics  | 11-Jul-17           | Helsinki, Finland       | Later Stage VC | Provider of genetic testing and diagnostics services.  | 15.71                          | Creathor Venture, MedTech Innovation Partners, Pontos Group, Inventure     |

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|-------------------------------------|---------------------|------------------------|------------------------|--|--------------------------------|---|
| BinaryFountain                      | 11-Jul-17           | McLean, VA             | Later Stage VC         | Provider of a cloud-based patient experience platform designed to engage patients, improve operations, and impact revenue.   | 19.92                          | HLM Venture Partners, Providence Ventures, Pioneer Venture Partners, Undisclosed Investors    |
| Machtfit                            | 11-Jul-17           | Berlin, Germany        | Later Stage VC         | Operator of an online workplace health promotion platform designed to promote the health of employees with a unique health network.  | 2.47                           | Seventure Partners, Dr. Becker Klinikgruppe, IBB Beteiligungsgesellschaft Berlin, PHS Capital |
| Genoos                              | 11-Jul-17           | Palo Alto, CA          | Early Stage VC         | Provider of a genomic analytics platform designed to make clinical genetic sequencing more accessible and affordable.  | 6.00                           | Inimiti Capital Partners and Glilot Capital Partners, Undisclosed Investors                   |
| Allurion Technologies               | 11-Jul-17           | Natick, MA             | Later Stage VC         | Developer of Elipse Balloon, a thin, flexible polymer film that is delivered in a swallowable capsule, eliminating the need for surgery, endoscopy, or anesthesia, enabling overweight and obese individuals to reduce weight. | 27.00                          | Romulus Capital, Cogepa Investments, IDO Investments, FundRx, Undisclosed Investors           |
| AFTx                                | 11-Jul-17           | Westminster, CO        | Angel                  | Developer of diagnostic equipment and other medical devices.   | 1.34                           | Undisclosed Investors   |
| Innovative Cardiovascular Solutions | 11-Jul-17           | Grand Rapids, MI       | Angel                  | Developer of an embolic protection catheter designed to be utilized in trans aortic valve replacement procedures and other left heart interventional procedures.   | 5.00                           | Undisclosed Investors   |
| The Medic App                       | 11-Jul-17           | London, United Kingdom | Accelerator/ Incubator | Developer of a medication scheduling application using artificial intelligence to schedule medication reminders and track adherence.   | 0.04                           | King's College London Endowment   |
| United Therapies                    | 11-Jul-17           | Des Plaines, IL        | PE Growth/ Expansion   | Supplier of surgical equipment to medical centers and hospitals specializing in urological laser treatments, general surgery, neurosurgery, ophthalmology, and orthopedic surgery.   | 0.87                           | Undisclosed Investors   |
| Find Your Ditto                     | 12-Jul-17           | Ann Arbor, MI          | Accelerator/ Incubator | Provider of a mobile platform intended to match and connect people living with common chronic illnesses.   | 0.03                           | Desai Accelerator   |

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|-------------------|---------------------|------------------------|---------------------------|--|--------------------------------|--|
| Arcatron Mobility | 12-Jul-17           | Pune, India            | Angel                     | Developer of eldercare mobility devices, such as smart wheelchairs that help disabled people to safely access bathrooms at their homes and on the go.  | Undisclosed                    | Indian Angel Network   |
| Actinobac Biomed  | 12-Jul-17           | Kendall Park, NJ       | Later Stage VC            | Developer of protein therapeutics designed to target white blood cell diseases, such as hematologic malignancies, latent infections, and autoimmune diseases.  | 4.40                           | Kairos Ventures  |
| E-scape Bio       | 12-Jul-17           | San Francisco, CA      | Early Stage VC            | Developer of therapeutics against genetic targets for neurodegenerative diseases, including Alzheimer's Disease and Lewy Body Disease.   | 63.00                          | OrbiMed, Novartis Venture Funds, Novo, Johnson & Johnson Innovation, Osage University Partners, Lilly Asia Ventures, Sutter Hill Ventures, Undisclosed Investors |
| EpiBone           | 12-Jul-17           | Brooklyn, NY           | Accelerator/<br>Incubator | Developer of a bone reconstruction technology that utilizes a scan of the bone defect and the patient's own stem cells to construct and cultivate a defect-specific autologous-like bone graft.                        | Undisclosed                    | Grand Central Tech   |
| BiognoSYS         | 12-Jul-17           | Schlieren, Switzerland | Later Stage VC            | Developer of a proteomics platform designed to offer innovative services and products for highly multiplexed protein quantification.   | Undisclosed                    | Undisclosed Investors  |
| INmune Bio        | 12-Jul-17           | San Diego, CA          | Angel                     | Developer of an immuno-oncology technology designed to harness patients' immune systems and treat cancer.  | 3.34                           | Undisclosed Investors  |
| Lumicell          | 12-Jul-17           | Wellesley, MA          | Later Stage VC            | Developer of an intraoperative imaging system that includes a margin-targeted injectable imaging agent and hand-held imaging device that gives surgeons real-time visual feedback of residual cancer in the tumor bed. | 13.50                          | Undisclosed Investors  |

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|------------------------|---------------------|-----------------------|---------------------------------|---|--------------------------------|---|
| Resonance Medical      | 12-Jul-17           | Chicago, IL           | Angel                           | Developer of a medical device technology to decode the internal processes of the brain and improve the lifestyle of the sensory impaired - specifically profoundly deaf patients with cochlear implants.  | 0.33                           | Undisclosed Investors   |
| Apicore US             | 12-Jul-17           | Franklin Township, NJ | Secondary Transaction - Private | Developer and manufacturer of specialty active pharmaceutical ingredients and pharmaceuticals.  | 24.50                          | Medicure  |
| Microscopy Innovations | 12-Jul-17           | Marshfield, WI        | Later Stage VC                  | Operator of a life science tools company creating novel products for microscopy laboratories to improve specimen preparation, handling, and storage.  | 0.15                           | Wisconsin Economic Development Corporation  |
| WebPT                  | 12-Jul-17           | Phoenix, AZ           | Secondary Transaction - Private | Provider of cloud-based electronic medical record software designed for rehab therapy professionals.  | 16.00                          | Battery Ventures  |
| BrainSpec              | 13-Jul-17           | Boston, MA            | Early Stage VC                  | Operator of a health technology company created to diagnose brain disorders using an efficient and radiation-free approach that involves software and magnetic resonance spectroscopy.  | 0.50                           | Data Collective   |
| Venus Concept          | 13-Jul-17           | Toronto, Canada       | Later Stage VC                  | Developer of non-surgical aesthetic equipment designed for non-invasive cosmetic procedures.  | 38.00                          | EW Healthcare Partners, HealthQuest Capital, Madryn Asset Management, Undisclosed Investors   |
| BloomAPI               | 13-Jul-17           | Seattle, WA           | Seed Round                      | Developer of a medical data management platform that gives access to medical records and automatically downloads and keeps a current copy of the dissemination data, enabling healthcare professionals and insurance companies to track and securely share important medical data with trusted third parties. | 2.40                           | Founder's Co-Op, Y Combinator, Slow Ventures, Section 32, Liquid 2 Ventures, Fifty Years Fund, Perkins Coie, WeiFund, NewDo Venture, Parker Conrad, Undisclosed Investors |

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|--------------|---------------------|----------------------|----------------|---|--------------------------------|--|
| IanTech      | 13-Jul-17           | Reno, NV             | Early Stage VC | Developer of an advanced micro-interventional cataract treatment device designed to deliver energy-free endocapsular lens fragmentation.            | 4.50                           | Global Health Investment Fund, Visionary Venture Fund  |
| iBeat        | 13-Jul-17           | San Francisco, CA    | Seed Round     | Developer of a heart monitoring device that alerts the user, their family, and emergency responders upon detection of a life-threatening condition. | 6.00                           | SV Tech Ventures, Maveron, Correlation Ventures, Band of Angels, Ammunition, WTI, Russell Okung, Oakhouse Partners, Lee Equity Partners, Harald Ludwig, Hadi Partovi, Mehmet Oz, Michael Rubin, Ali Partovi, Mark Burg, Henry Kravis |
| gel-e        | 13-Jul-17           | College Park, MD     | Later Stage VC | Developer of a medical device for treating battlefield wounds and severe hemorrhage.  | 3.10                           | UM Ventures, Undisclosed Investors   |
| Health: ELT  | 13-Jul-17           | Dallas, TX           | Angel          | Provider of information technology to healthcare workers with advanced tools for data collection and patient care.                                  | 1.69                           | Undisclosed Investors  |
| PhotoniCare  | 13-Jul-17           | Champaign, IL        | Angel          | Developer of a pediatric medical device for imaging through the eardrum for better diagnosis of middle ear ailments and infections.                 | 0.75                           | Undisclosed Investors  |
| Pyxant Labs  | 13-Jul-17           | Colorado Springs, CO | Angel          | Provider of contract research laboratory services specializing in GLP bioanalytical chemistry.  | 1.10                           | Undisclosed Investors  |

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|-------------------|---------------------|---------------------|----------------|---|--------------------------------|---|
| Medx Health (MDX) | 14-Jul-17           | Mississauga, Canada | PIPE           | Developer of phototherapy devices for pain relief, tissue repair, and skin cancer imaging scanners using patented technology that uses light and its remittance to view suspicious moles and lesions in a pain-free, non-invasive manner and creates multiple real-time digital images for dermatologists, physicians, and skin specialists to evaluate various types of moles or lesions within seconds. | 1.08                           | Undisclosed Investors   |
| ActX              | 14-Jul-17           | Seattle, WA         | Early Stage VC | Collector and analyzer of saliva samples to provide clinical information to patients and healthcare providers.  | 3.11                           | Keiretsu Capital, Keiretsu Forum, Undisclosed Investors   |
| Qrativ            | 14-Jul-17           | Cambridge, MA       | Early Stage VC | Developer of a drug development platform using machine learning and artificial intelligence that identifies new uses for existing molecules for diseases with unmet medical needs.  | 8.30                           | Mayo Clinic, Matrix Capital Management, Matrix Partners   |
| Akoya Biosciences | 14-Jul-17           | San Francisco, CA   | Early Stage VC | Developer of a multiparametric fluorescence imaging technology designed to study tissue organization in situ.   | 9.00                           | Undisclosed Investors   |
| The Mednet        | 14-Jul-17           | New York, NY        | Seed Round     | Developer of a community platform for physicians intended to help treat patients with cancer.   | 1.30                           | Endure Capital, Lumia Capital, The Hope Foundation, The Bonnie J. Addario Lung Cancer Foundation, Charlie Cheever, Jared Friedman, Paul Buchheit, Peter Hershberg, Peter Pham |
| CohBar (COB.U)    | 14-Jul-17           | Pasadena, CA        | PIPE           | Developer of mitochondrial-derived therapeutics intended to treat age-related diseases, including obesity, fatty liver disease, Type 2 diabetes, cancer, and cardiovascular and neurodegenerative diseases.   | 5.16                           | Undisclosed Investors   |

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| Qapsula                       | 15-Jul-17           | Moscow, Russia          | Angel                           | Developer of a web-based telemedicine portal designed for online communication between patients and doctors.  | Undisclosed                    | Dmitry Shatalin  |
| Zur Rose Group (ROSE)         | 15-Jul-17           | Frauenfeld, Switzerland | Secondary Transaction - Private | Provider of online pharmaceutical drugs retail services.  | Undisclosed                    | Wellington Management Group  |
| AntriaBio (ANTB)              | 17-Jul-17           | Louisville, CO          | PIPE                            | Developer of innovative drug therapies for the treatment of diabetes and metabolic diseases.  | 13.00                          | Aju Pharm, IIDong Holdings Company, Medici Investment, Undisclosed Investors |
| Bright.md                     | 17-Jul-17           | Portland, OR            | Early Stage VC                  | Provider of a cloud-based healthcare automation software offering a virtual physician assistant that connects patients to their physicians via a home computer or mobile device.  | 8.00                           | B Capital Group, Seven Peaks Ventures  |
| Rapid Medical                 | 17-Jul-17           | Yokneam, Israel         | Later Stage VC                  | Developer of two medical devices: a controllable, fully visible stentriever designed to treat ischemic stroke patients, and a controllable aneurysm neck-bridging device to treat peripheral arterial disease.  | 9.00                           | BRM Capital, Shanghai Israel Investment Fund, Winnovation, Gefen Capital     |
| Strongbridge Biopharma (SBBP) | 17-Jul-17           | Trevose, PA             | PIPE                            | Operator of a commercial-stage biopharmaceutical company focused on the development and commercialization of therapies for rare diseases.   | 53.00                          | CRG, Vivo Capital  |
| Synaptive                     | 17-Jul-17           | Toronto, Canada         | PE Growth/Expansion             | Provider of neurosurgical technological products and services.  | 19.76                          | General Atlantic, Undisclosed Investors                                      |
| Sensome                       | 17-Jul-17           | Palaiseau, France       | Seed Round                      | Developer of evolutionary micro-sensor technology to reliably identify biological tissues in contact with the device, providing physicians a stroke guidewire to reopen the vessel for each patient and to detect the composition of the blockage in the brain during stroke treatment. | 5.27                           | Kurma Partners, IdInvest Partners, Paris-Saclay Seed Fund                    |

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|------------------------------|---------------------|-----------------|----------------|--|--------------------------------|---|
| PegBio                       | 17-Jul-17           | Suzhou, China   | Later Stage VC | Operator of a biopharmaceutical drug discovery firm intended to manufacture medical products for diabetes and obesity.   | 20.00                          | Tasly Pharmaceutical Group Company, Legend Star, Undisclosed Investors                      |
| Angiox                       | 17-Jul-17           | Cambridge, MA   | Early Stage VC | Developer of imaging agents for cancer diagnosis and therapy that destroys tumor vessels through vascular targeting.   | 2.88                           | Undisclosed Investors   |
| IllumiCare                   | 17-Jul-17           | Birmingham, AL  | Angel          | Developer of a real-time patient information application designed to offer predictive health analytics.  | 3.72                           | Undisclosed Investors   |
| Nortis                       | 17-Jul-17           | Seattle, WA     | Angel          | Developer of a new generation technology that helps in-vitro creation of human tissues and organs in disposable chip-like devices designed for the discovery of novel therapies.               | 0.32                           | Undisclosed Investors   |
| Sotera Wireless              | 17-Jul-17           | San Diego, CA   | Later Stage VC | Developer of vital signs monitoring technologies designed to detect early signs of patient deterioration in any acute care setting.  | 31.84                          | Undisclosed Investors   |
| Zygood                       | 17-Jul-17           | Dayton, MD      | Angel          | Developer and marketer of medical devices to cure pain in bad backs, nerve pain from chemotherapy, and arthritic joint pain.   | 0.38                           | Undisclosed Investors   |
| Capstone Therapeutics (CAPS) | 17-Jul-17           | Tempe, AZ       | PIPE           | Developer of peptides and other molecules intended to help patients with underserved medical conditions.   | Undisclosed                    | Brookstone  |
| Gravie                       | 18-Jul-17           | Minneapolis, MN | Later Stage VC | Provider of smart technology-based health insurance services to improve health benefits for employers and consumers.   | 14.10                          | GE Ventures, FirstMark Capital, Aberdare Ventures, Split Rock Partners                      |
| Silk Road Medical            | 18-Jul-17           | Sunnyvale, CA   | Later Stage VC | Developer of less-invasive medical devices designed to improve the treatment of carotid artery disease by protecting the brain from stroke throughout the carotid revascularization procedure. | 47.00                          | Norwest Venture Partners and Janus Henderson Group, Warburg Pincus, The Vertical Group, CRG |
| Chronix Biomedical           | 18-Jul-17           | San Jose, CA    | Later Stage VC | Producer of a laboratory developed blood test used as a supplementary evaluation to prostate cancer screening.   | 9.79                           | Undisclosed Investors   |
| Hexagon Bio                  | 18-Jul-17           | Menlo Park, CA  | Seed Round     | Provider of biotechnology data mining services created to develop drugs for diseases.  | 8.30                           | Undisclosed Investors   |

Source: Pitchbook

Compiled by: Lea Keller and Morgan Reape

**Private Equity Placements and Venture Capital Rounds**

The following table includes institutionally placed private equity financings for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Company Name              | Last Financing Date | HQ Location      | Round               | Description   | Last Financing Size (Millions) | Investor(s)   |
|---------------------------|---------------------|------------------|---------------------|---|--------------------------------|---|
| Highmark Interactive      | 18-Jul-17           | Toronto, Canada  | Seed Round          | Operator of a digital therapeutics company offering fun and engaging video games to improve human nervous system performance in patients with neurological disorders.   | 2.00                           | Undisclosed Investors   |
| InSilico Medicine         | 18-Jul-17           | Baltimore, MD    | Early Stage VC      | Provider of services and internal research using AI for drug discovery and aging research.  | 6.76                           | Undisclosed Investors   |
| Turnpoint Medical Devices | 18-Jul-17           | Baskin Ridge, NJ | Angel               | Developer of an infusion pump system for home infusion and cancer clinic markets.   | 3.28                           | Undisclosed Investors   |
| hc1.com                   | 18-Jul-17           | Indianapolis, IN | Later Stage VC      | Provider of a cloud-based healthcare relationship management platform designed to personalize the healthcare experience for providers and the patients they serve.      | 1.50                           | Undisclosed Investors   |
| Menlo Therapeutics        | 18-Jul-17           | Menlo Park, CA   | Later Stage VC      | Developer of serlopitant, a once-daily oral tablet NK-1 receptor antagonist, for the treatment of chronic pruritus and chronic cough associated with prurigo nodularis. | 50.00                          | VenBio, Novo Holdings, Rock Springs Capital, Aisling Capital, Bay City Capital, Vivo Capital, Presidio Partners, Remeditex, F-Prime Capital   |
| DocASAP                   | 19-Jul-17           | Broadlands, VA   | PE Growth/Expansion | Provider of an online platform designed to help patients book appointments with doctors and dentists.   | 8.58                           | Cohen Private Ventures  |
| Protenus                  | 19-Jul-17           | Baltimore, MD    | Early Stage VC      | Developer of security tools designed to protect patient privacy by detecting and preventing data breaches in the electronic health record.                              | 7.00                           | Kaiser Permanente Ventures and F-Prime Capital Partners, Arthur Ventures, LionBird, DreamIt Ventures, Cognosante, TCP Venture Capital, TEDCO, Baltimore Angels, Undisclosed Investors |

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| Company Name                 | Last Financing Date | HQ Location             | Round                | Description   | Last Financing Size (Millions) | Investor(s)   |
|------------------------------|---------------------|-------------------------|----------------------|---|--------------------------------|---|
| Simplify Medical             | 19-Jul-17           | Sunnyvale, CA           | Early Stage VC       | Developer of a cervical artificial disc designed to permit the full diagnostic imaging capability of MRI imaging and eliminate the need for CT/Myelogram and CT imaging.  | 21.00                          | Life Sciences Partners, Sectoral Asset Management, M.H. Carnegie  |
| Alpha Tau Medical            | 19-Jul-17           | Tel Aviv, Israel        | Angel                | Developer of a highly effective therapy technology that kills cancer tumors with minimal damage to neighboring healthy tissue and is effective against hypoxic tumors, which have great resistance to gamma and beta radiations, enabling the treatment of small tumors and metastatic lesions.   | Undisclosed                    | Undisclosed Investors   |
| Aspyrian Therapeutics        | 19-Jul-17           | San Diego, CA           | Later Stage VC       | Developer of precision-targeted cancer therapies designed to treat solid tumors.  | 15.10                          | Undisclosed Investors   |
| Interphase Medical Equipment | 19-Jul-17           | Philadelphia, PA        | PE Growth/Expansion  | Operator of a medical equipment and supply company intended to meet the home medical equipment, supply, and service needs of those requiring care in the home.  | 8.93                           | Undisclosed Investors   |
| MuscleSound                  | 19-Jul-17           | Glendale, CO            | Angel                | Developer of a SaaS platform designed to instantly measure and analyze glycogen levels.   | 1.82                           | Undisclosed Investors   |
| Neurovalens                  | 19-Jul-17           | Belfast, United Kingdom | Product Crowdfunding | Developer of non-invasive neurostimulation devices that induce a metabolic shift within the body, leading to a suppressed appetite and an increase in fat utilization.  | Undisclosed                    | Crowdfunding  |
| Symbow Medical               | 20-Jul-17           | Beijing, China          | Later Stage VC       | Developer of a surgical navigation device that can be used in conjunction with magnetic resonance or CT equipment to provide two-dimensional or three-dimensional medical images of the human body, along with automatic tracking and calibration and images of surgical instruments in use, enabling doctors to improve surgical planning, get intraoperative guidance, real-time monitoring, postoperative field effects assessment, and other functions. | 17.70                          | Huayi Capital, National Emerging Industry Guidance Fund, Shandong Buchang Pharmaceuticals, Sangel Capital |



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|--------------------|---------------------|-----------------|---------------------|---|--------------------------------|--|
| Amphora Medical    | 20-Jul-17           | Maple Grove, MN | Later Stage VC      | Developer of a medical treatment device using a minimally invasive procedure and cystoscopic technology to treat female overactive bladder syndrome.  | 35.50                          | Longitude Capital, Boston Scientific Corporation, Baird Capital, F-Primer Capital Partners, HBM Healthcare Investments |
| Trevi Therapeutics | 20-Jul-17           | New Haven, CT   | Later Stage VC      | Provider of a clinical development program intended to offer drugs for chronic pruritus disease.  | 50.50                          | New Enterprise Associates, Lundbeckfonden, Aperture Venture Partners, Omega Funds, TPG Biotech                         |
| Arzeda             | 20-Jul-17           | Seattle, WA     | Later Stage VC      | Provider of an enzyme design technology that develops reaction-specific optimized enzymes by creating innovative cell factories that can transform or supplement current chemical production methods.   | 12.00                          | OS Fund, Bioeconomy Capital, Sustainable Conversion Ventures, WRF Capital  |
| Clarify Medical    | 20-Jul-17           | San Diego, CA   | Early Stage VC      | Developer of a phototherapy device for the treatment of patients with psoriasis, vitiligo, and eczema diseases.   | 3.22                           | Undisclosed Investors  |
| Ultivue            | 20-Jul-17           | Cambridge, MA   | Early Stage VC      | Developer of a reagent-driven technology designed for high-definition biological imaging in situ multiplexing.  | 10.10                          | Undisclosed Investor   |
| Ixcela             | 20-Jul-17           | Bedford, MA     | Early Stage VC      | Operator of a gut health and wellness firm focused on restoring internal fitness by a sophisticated test that identifies key small molecules associated with the gut microbiome that are out of balance, and an individualized therapy, enabling individuals to address health issues such as irritable bowel syndrome, acid reflux, and leaky gut. | 1.82                           | Undisclosed Investors  |
| Nexeon MedSystems  | 20-Jul-17           | Lexington, KY   | PE Growth/Expansion | Developer of medical devices for the treatment of cardiovascular and peripheral vascular diseases.  | 5.44                           | Undisclosed Investors  |

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|----------------------------|---------------------|--------------------------|---------------------------|--|--------------------------------|---|
| Sight Sciences             | 20-Jul-17           | Menlo Park, CA           | PE Growth/<br>Expansion   | Developer of surgical devices and non-invasive dry eye products used for standalone glaucoma procedures or in combination with cataract surgery using the same clear corneal incision.   | 10.00                          | Undisclosed Investors   |
| Wellfount                  | 20-Jul-17           | Indianapolis, IN         | Later Stage VC            | Provider of a remote medication dispensing management system for long-term care facilities.  | 11.92                          | Undisclosed Investors   |
| Qolware                    | 20-Jul-17           | Munich, Germany          | Accelerator/<br>Incubator | Developer of a wearable health monitoring and emergency alarm system designed to record physiological signals and detect patterns associated with health-related emergencies while also informing caretakers about such situations.                                      | 0.02                           | Startupbootcamp   |
| Hedia                      | 20-Jul-17           | København N,<br>Denmark  | Accelerator/<br>Incubator | Provider of a personalized mobile application that controls and monitors insulin levels in diabetic patients by registering carbohydrate intake and exercise.  | 0.02                           | Startupbootcamp   |
| Cardio Cube                | 20-Jul-17           | Warsaw, Poland           | Accelerator/<br>Incubator | Developer of a medical device designed to help heart disease patients manage their health from home through its artificial intelligence algorithms and allows physicians to collect information from patients and provide them with personalized advice and information. | 0.02                           | Startupbootcamp   |
| Aurora BreakBox            | 20-Jul-17           | Sopot, Poland            | Accelerator/<br>Incubator | Developer of a point-of-care diagnostic machine designed to prescribe appropriate and precise antibiotics.   | 0.02                           | Startupbootcamp   |
| Aisens                     | 20-Jul-17           | Poznań, Poland           | Accelerator/<br>Incubator | Developer of a digital health platform using smart sensors that utilize artificial intelligence and machine learning algorithms to provide real time feedback of rehabilitation patients and adapt exercises according to the person's progress.                         | 0.02                           | Startupbootcamp   |
| MiLOC Group (PPiR)         | 21-Jul-17           | Kowloon, Hong<br>Kong    | PIPE                      | Provider of traditional Chinese medicine developed through proprietary prescriptions for health threats through rigorous scientific research and development.  | 0.22                           | Undisclosed Investors   |
| Tissue Regenix Group (TRX) | 21-Jul-17           | Leeds, United<br>Kingdom | PIPE                      | Developer of a medical technology designed to offer an unique approach to regenerative medicine by producing allograft and xenograft tissue matrices that retain native structures.  | 51.16                          | IP Group, Woodford Investment Management, Undisclosed Investors |

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|--------------|---------------------|------------------|----------------|--|--------------------------------|---|
| Hemovent     | 21-Jul-17           | Aachen, Germany  | Early Stage VC | Developer of the ECMO (Extra Corporeal Membrane Oxygenation) unit that supports or replaces heart and lung function in the event of cardiac and respiratory failure.   | Undisclosed                    | MIG Verwaltungs and 1st Capital Partner, S-UBG, WCTI Partners, KfW Bank, HMW Innovations, Seed Fond Aachen, KfW Bank, NRW.BANK.Venture Fonds, PB Beteiligung-und Vermoegensverwaltung |
| BlinkBio     | 21-Jul-17           | Jupiter, FL      | Later Stage VC | Developer of a tunable and reversible linker technology designed to deliver anti-cancer medicines inside the tumor cell and within the tumor microenvironment while minimizing toxicities to the patient.  | 19.14                          | The Florida Institute for the Commercialization of Public Research, Undisclosed Investors   |
| Eyes4Lives   | 21-Jul-17           | La Habra, CA     | Angel          | Developer of a one-of-a kind sensor and software package that helps users develop and maintain proper computer habits by incorporating the recommended treatment philosophies and recommendations from key eye care professionals and organizations. | 2.77                           | Undisclosed Investors   |
| Novopyxis    | 21-Jul-17           | Cambridge, MA    | Angel          | Provider of a transdermal drug delivery system to treat neurological disorders.  | 0.51                           | Undisclosed Investors   |
| RxBio        | 21-Jul-17           | Johnson City, TN | Angel          | Developer of drugs to mitigate gastro-intestinal acute radiation syndrome.   | 0.34                           | Undisclosed Investors   |

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|----------------|---------------------|-------------------|----------------|---|--------------------------------|---|
| Geneseeq       | 21-Jul-17           | Nanjing, China    | Later Stage VC | Developer of next-generation sequencing technology created to detect cancers and provide healthcare management services.  | 15.00                          | Industrial Innovation Capital Management, Huatai Securities, Boyuanhongsheng, Cowin Capital |
| BioFluidica    | 21-Jul-17           | Chapel Hill, NC   | Angel          | Developer of a diagnostic platform designed for disease management and diagnosis through prognosis from blood samples using liquid biopsies.  | 4.14                           | Undisclosed Investors   |
| Hinge Health   | 24-Jul-17           | San Francisco, CA | Early Stage VC | Provider of health care products designed to digitize each aspect of non-operative preventative care by targeting musculoskeletal disorders using a mobile app, wearable sensors, and personal coaching.    | 9.57                           | Atomico, Eleven Two Capital, The Vertical Group, Jon Reynolds, Undisclosed Investors        |
| Caterna Vision | 24-Jul-17           | Berlin, Germany   | Later Stage VC | Developer of an online therapy platform offering exercises for the treatment of neurological defect vision, enabling patients to stimulate the brain and re-establish the connection between brain and eye. | Undisclosed                    | Investitionsbank des Landes Brandenburg, BC Brandenburg Capital                             |

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|-----------------------|---------------------|----------------|---------------------------|---|--------------------------------|--|
| eFFECTOR Therapeutics | 24-Jul-17           | San Diego, CA  | Later Stage VC            | Developer of translation regulators to restore homeostasis to the protein-synthesis landscape, offering treatment for a variety of serious conditions, including cancer.                              | 38.60                          | Pfizer Venture Investments, Alexandria Venture Investments, U.S. Venture Partners, Abingworth, Novartis Venture Fund, SR One, The Column Group, Altitude Life Science Ventures, Sectoral Asset Management, Abbvie Biotech Ventures, BioMed Ventures, Astellas Ventures |
| NovaScan              | 24-Jul-17           | Milwaukee, WI  | Later Stage VC            | Developer of a non-invasive breast cancer detection device.   | 0.05                           | Undisclosed Investors  |
| Recros Medica         | 24-Jul-17           | San Diego, CA  | Angel                     | Developer of a proprietary medical device with an initial focus on skin tightening and hair restoration.  | 4.41                           | Undisclosed Investors  |
| Dental Cloud          | 24-Jul-17           | Moscow, Russia | Accelerator/<br>Incubator | Provider of an online healthcare service platform designed to automate the joint work of dentists.  | Undisclosed                    | Vietnam Innovative Startup Accelerator Program   |
| PhysIQ                | 25-Jul-17           | Naperville, IL | Later Stage VC            | Developer of wearable and implantable sensors designed to capture physiological data for data streaming to understand vital sign patterns and detect deviations that may indicate a change in health. | 8.00                           | 4490 Ventures, Global Health Sciences (GHS) Fund through Quark Venture, GF Securities, LionBird, Undisclosed Investors   |

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**Private Equity Placements and Venture Capital Rounds**

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| Company Name         | Last Financing Date | HQ Location             | Round          | Description  | Last Financing Size (Millions) | Investor(s)  |
|----------------------|---------------------|-------------------------|----------------|--|--------------------------------|--|
| Rodeo Therapeutics   | 25-Jul-17           | Seattle, WA             | Early Stage VC | Developer of novel small molecule therapies for the treatment of inflammatory bowel disease and the promotion of blood cell reconstitution following bone marrow transplant.                                 | 5.90                           | Accelerator and AbbVie Ventures, Alexandria Venture Investments, Eli Lilly and Company, Johnson & Johnson Innovation, Watson Fund, WRF Capital, WuXi AppTec                              |
| Aravive Biologics    | 25-Jul-17           | Houston, TX             | Later Stage VC | Developer of novel cancer therapeutics designed to spare healthy cells while targeting tumor adaptive responses and cancer evasion pathways.   | 0.36                           | Undisclosed Investors  |
| Kezar Life Sciences  | 25-Jul-17           | South San Francisco, CA | Early Stage VC | Developer of novel small molecule therapeutics targeting distinct, fundamental aspects of cellular physiology dealing with protein homeostasis created to treat autoimmune disorders and malignant diseases. | 50.00                          | Cormorant Asset Management, Morningside Venture, Cowen Healthcare Investments, Pappas Ventures, Qiming Venture Partners, Bay City Capital, EcoR1 Capital, Omega Funds, Aju IB Investment |
| Rebound Therapeutics | 25-Jul-17           | Irvine, CA              | Early Stage VC | Developer of medical devices offering state-of-the-art imaging and illumination technologies for minimally invasive surgery procedures.  | 16.50                          | HBM-MedFocus Fund, Invus Group, Wexford Capital  |
| Tueo Health          | 25-Jul-17           | Redwood City, CA        | Seed Round     | Developer of an asthma monitoring system using a contactless sensor, enabling patients and their families to measure treatment progress and outcomes.  | 1.10                           | Launchpad Digital Health, Plug and Play, Undisclosed Investors   |

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|---------------------------|---------------------|-----------------------|----------------|--|--------------------------------|---|
| UNIM                      | 25-Jul-17           | Moscow, Russia        | Early Stage VC | Provider of an oncology diagnostics service specializing in histological, immunohistochemical, and molecular analysis.   | 2.00                           | Medme   |
| ZAGEN0                    | 25-Jul-17           | Berlin, Germany       | Early Stage VC | Provider of a platform for online research comparison that allows life science researchers to compare products, share application information, and get access to the biotech kits relevant for their research.     | 7.93                           | Monkfish Equity, Grazia Equity, Undisclosed Investors   |
| Milestone Pharmaceuticals | 25-Jul-17           | Saint-Laurent, Canada | Later Stage VC | Developer of a potent, self-delivered, and short-acting nasally-delivered calcium channel antagonist for the episodic treatment of paroxysmal supraventricular tachycardia, a cardiac arrhythmia.                  | 6.88                           | Pappas Ventures, Undisclosed Investors  |
| BioAffinity Technologies  | 25-Jul-17           | San Antonio, TX       | Angel          | Developer of in-vitro diagnostic tests and targeted cancer therapeutics using technology that preferentially targets cancer cells to detect early-stage lung cancer.   | 4.05                           | Undisclosed Investors   |
| Sebacia                   | 25-Jul-17           | Duluth, GA            | Later Stage VC | Developer of acne treatment technology focused on developing alternatives to the daily use of topical and systemic drugs currently available and selectively heat only those skin structures involved in acne.     | 36.00                          | Versant Ventures, Domain Associates, Accuitive Medical Ventures and Partners Healthcare Innovation, Salem Partners, Hercules Capital, Undisclosed Investors |
| Okami Medical             | 25-Jul-17           | Aliso Viejo, CA       | Early Stage VC | Developer of medical devices for the treatment of cardiovascular diseases.   | 4.50                           | US Venture Partners, Members of the Board of Directors of Inceptus Medical, Undisclosed Investors   |
| VenatoRx                  | 25-Jul-17           | Malvern, PA           | Later Stage VC | Developer of a bio-pharmaceutical platform designed to offer next-generation antibiotics to address multi-drug resistant gram negative bacteria, as well as resistant hospital and community bacterial infections. | 42.00                          | Versant Venture Management, Abingworth Management, Foresite Capital Management  |

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|--|---------------------|------------------------|------------------------|--|--------------------------------|--|
| WellTrackONE                             | 26-Jul-17           | Hilton Head Island, SC | Early Stage VC         | Provider of a Medicare-approved patient assessment program designed to give physicians and organizations a baseline report detailing modifiable risk factors, preventative goals, and measurable data.   | 2.76                           | BioAdvance, Undisclosed Investors  |
| Chimera Bioengineering                   | 26-Jul-17           | Menlo Park, CA         | Accelerator/ Incubator | Developer of chimeric antigen receptor T-cells therapeutics designed to treat lymphoblastic leukemia and lymphoma.   | 0.10                           | Illumina Accelerator   |
| Encompass Bioscience                     | 26-Jul-17           | San Francisco, CA      | Accelerator/ Incubator | Developer of biotechnology tools designed to track and analyze genomics composition of human bodies and help better tailor treatment recommendations and guidelines for patients.  | 0.10                           | Illumina Accelerator   |
| Amphivena Therapeutics                   | 26-Jul-17           | San Francisco, CA      | Early Stage VC         | Developer of therapeutic antibodies for the treatment of cancer and other diseases that harness the patient's own immune system to destroy tumor cells and their precursors by allowing the antibodies to bind to target molecules on the surface of tumor cells, T-cells, or NK-cells, leading to the breakdown of the cells. | 26.50                          | MPM Capital, Aeries Capital, Affimed Therapeutics, EMBL Ventures, Undisclosed Investors  |
| Complexa                                 | 26-Jul-17           | Radnor, PA             | Later Stage VC         | Developer of therapies for the treatment of inflammatory and metabolic diseases.   | 62.00                          | New Enterprise Associates and Pfizer Venture Investments, Edmond de Rothschild Investment Partners, HBM Healthcare Investments, JAFSCO |
| Signature Medical (Monitoring Equipment) | 26-Jul-17           | Boston, MA             | Early Stage VC         | Developer of a medical wearable product using proprietary cloud-based audio technology and artificial intelligence that offers remote monitoring and evaluation of heart failure.  | 2.50                           | Riot Ventures, Bose Ventures and Allied Minds  |
| Oragenics (OGEN)                         | 26-Jul-17           | Tampa, FL              | PIPE                   | Operator of a biopharmaceutical company developing novel antibiotics against infectious diseases, effective treatments for oral mucositis, and proprietary probiotics and health products specifically designed to enhance oral health of humans and pets.   | 3.00                           | Undisclosed Investors  |

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|----------------------------|---------------------|------------------------|---------------------|--|--------------------------------|--|
| Orbsen Therapeutics        | 26-Jul-17           | Galway, Ireland        | PE Growth/Expansion | Operator of a regenerative medicine company developing ground-breaking stromal cell treatments to address some of today's most challenging diseases, including heart disease, arterial disease of the limbs, diabetes complications, arthritis, and other inflammatory conditions. | 1.25                           | Undisclosed Investors  |
| SomaLogic                  | 26-Jul-17           | Boulder, CO            | PE Growth/Expansion | Developer of proteomic technology designed to commercialize life science research tools and clinical diagnostic products.  | 162.97                         | Undisclosed Investors  |
| William Demant (WDH)       | 26-Jul-17           | Smørum, Denmark        | PIPE                | Developer, manufacturer, and seller of innovative hearing devices, hearing implants, diagnostic instruments, and personal communication equipment.   | 0.61                           | Canada Pension Plan Investment Board   |
| Vista Research Group       | 26-Jul-17           | Annapolis, MD          | Seed Round          | Provider of data-based treatment programs intended to help patients suffering from mental health disorders.  | 0.10                           | TEDCO  |
| Teamedon International     | 26-Jul-17           | Rockville, MD          | Seed Round          | Developer of novel therapeutics intended to combat leukemia and other related diseases.  | 0.10                           | TEDCO  |
| Optikira                   | 26-Jul-17           | Cleveland, OH          | Angel               | Developer of therapeutics to prevent blindness.  | 5.30                           | Undisclosed Investors  |
| Clarify Medical            | 26-Jul-17           | San Diego, CA          | Seed Round          | Developer of a phototherapy device for the treatment of patients with psoriasis, vitiligo, and eczema diseases.  | 6.48                           | Serra Ventures, Keshif Ventures, Hale BioPharma Ventures, Founder.org, Crescent Ridge Partners Ventures, Undisclosed Investors |
| Prescient Healthcare Group | 27-Jul-17           | London, United Kingdom | PE Growth/Expansion | Provider of strategic consultancy services to biopharmaceutical companies.   | 19.83                          | Baird Capital  |

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|----------------------|---------------------|----------------------|----------------|--|--------------------------------|--|
| PreciThera           | 27-Jul-17           | Outremont, Canada    | Early Stage VC | Developer of precision medicines made through the development of innovative biological agents intended to treat orphan diseases.                               | 29.00                          | Sanderling Ventures, Arix Bioscience, Fonds de solidarité FTQ, CTI Life Sciences and Emerillon Capital |
| Cyrus Biotechnology  | 27-Jul-17           | Seattle, WA          | Early Stage VC | Provider of easy-to-use protein structure prediction and protein design software to learn how to use these tools for molecular modeling.                       | 8.00                           | Trinity Ventures, OrbiMed, SpringRock Ventures, The W Fund, Undisclosed Investors                      |
| stimOS               | 27-Jul-17           | Konstanz, Germany    | Seed Round     | Developer of patented Mimicking Bone Technology created to transform implant surfaces from an artificial barrier into a bone identical implant body interface. | 0.81                           | High-Tech Gründerfonds, Mittelständische Beteiligungsgesellschaft Baden-Württemberg                    |
| Saba Labs            | 27-Jul-17           | Birmingham, AL       | Angel          | Developer of products designed to treat patients suffering from complex, chronic, or acute wounds.   | 0.25                           | Undisclosed Investors  |
| Clerio Vision        | 27-Jul-17           | Rochester, NY        | Early Stage VC | Developer of vision correction technologies designed for the treatment of refractive error.  | 3.56                           | Undisclosed Investors  |
| Canopy Growth (WEED) | 27-Jul-17           | Smiths Falls, Canada | PIPE           | Manufacturer and distributor of medical marijuana to treat symptoms such as chronic pain, seizures, muscle spasms, nausea, and loss of appetite.               | 25.00                          | Undisclosed Investors  |
| Viome                | 28-Jul-17           | Cupertino, CA        | Early Stage VC | Provider of wellness as a service using artificial intelligence intended to help people track their microbiome health.   | 15.00                          | Khosla Ventures, Bold Capital Partners, Peter Diamandis, Undisclosed Investors                         |
| Nicolette            | 28-Jul-17           | Los Angeles, CA      | Seed Round     | Developer of a patient empowerment platform created to visualize complex medical data.   | 0.23                           | GAN Ventures, Backstage Capital  |

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**Private Equity Placements and Venture Capital Rounds**

The following table includes institutionally placed private equity financings for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Company Name                          | Last Financing Date | HQ Location            | Round          | Description   | Last Financing Size (Millions) | Investor(s)  |
|---------------------------------------|---------------------|------------------------|----------------|---|--------------------------------|--|
| Lexington Biosciences (LNB)           | 28-Jul-17           | Reno, NV               | PIPE           | Developer of clinical grade cardiovascular self-measurement systems targeting the prevention of heart attack and stroke designed to measure and monitor cardiovascular health by assessing the function of a person's vascular endothelium. | 0.23                           | Undisclosed Investors  |
| Deinove (ALDEI)                       | 28-Jul-17           | Montpellier, France    | PIPE           | Developer of biotechnical compounds for the healthcare, nutrition, and cosmetics sectors.   | 0.56                           | Truffle Capital  |
| Canadian International Pharma (CIP.H) | 28-Jul-17           | West Vancouver, Canada | PIPE           | Developer of generic and nutraceutical drugs.   | 0.17                           | Undisclosed Investors  |
| BioMedomics                           | 28-Jul-17           | Durham, NC             | Angel          | Developer of immunologically-based disease-specific tests and advanced highly sensitive quantitative platforms used for analyzing cell-based assay procedures.  | 0.53                           | Undisclosed Investors  |
| BioAge Labs                           | 28-Jul-17           | Berkeley, CA           | Early Stage VC | Developer of anti-aging drugs coupling genomics data with machine learning, enabling people to combat the suffering and disability caused by aging-related diseases.  | 10.90                          | Andreessen Horowitz, Felicis Ventures, AME Cloud Ventures, Pear Ventures, Caffeinated Capital, Elad Gil, Farzad Nazem, Undisclosed Investors |
| Avicena                               | 28-Jul-17           | Los Angeles, CA        | Angel          | Manufacturer and provider of medical instruments for cardiovascular diagnostics and treatments.   | 2.23                           | Undisclosed Investors  |
| Astrocyte Pharmaceuticals             | 28-Jul-17           | Cambridge, MA          | Seed Round     | Developer of CNS drugs designed to protect neurons from stress and trauma after stroke, traumatic brain injury, or concussion.  | 2.42                           | Boston Harbor Angels, SideCar Angels, UT Horizon Fund, Undisclosed Investors   |
| AboGen                                | 28-Jul-17           | Portland, ME           | Angel          | Developer of a medical device designed to preserve components of saliva for medical tests.  | 0.03                           | Undisclosed Investors  |

**Private Equity Placements and Venture Capital Rounds**

The following table includes institutionally placed private equity financings for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Company Name         | Last Financing Date | HQ Location       | Round               | Description  | Last Financing Size (Millions) | Investor(s)  |
|----------------------|---------------------|-------------------|---------------------|--|--------------------------------|--|
| Touchkin             | 31-Jul-17           | Bengaluru, India  | Seed Round          | Developer of a predictive care platform that uses passive sensor data from the patient's phone, AI chatbots, and machine learning to suggest medical guidance, and connects patients to physicians and caregivers. | 1.30                           | Kae Capital, Undisclosed Investors   |
| Prospective Research | 31-Jul-17           | Beverly, MA       | Seed Round          | Developer of a platform that develops antibiotics by using chemical communications to spur Streptomyces bacteria.  | 0.42                           | SOSV, Undisclosed Investors  |
| PellePharm           | 31-Jul-17           | Menlo Park, CA    | Early Stage VC      | Developer of skin cancer therapeutics to decrease the number of surgically-eligible basal cell carcinomas in Gorlin syndrome patients.   | 20.00                          | BridgeBio Pharma, The Atlanta Trust, The Montana Trust, The Piedmont Trust |
| Lim Innovations      | 31-Jul-17           | San Francisco, CA | Angel               | Manufacturer of fully adjustable socket prosthetics created for amputee mobility.  | 7.93                           | Undisclosed Investors  |
| DocASAP              | 31-Jul-17           | Broadlands, VA    | PE Growth/Expansion | Provider of an online platform designed to help patients book appointments with doctors and dentists.  | 8.58                           | Cohen Private Ventures, Undisclosed Investors                              |
| SpinDiag             | Undisclosed         | Freiburg, Germany | Early Stage VC      | Developer of a point-of-care screening system designed to detect drug-resistant bacteria within 30 minutes directly from patient samples.  | Undisclosed                    | Investiere   |

**Mergers and Acquisitions**

The following table includes mergers and acquisitions for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Acquirer                  | Target                          | HQ Location              | Date     | Description   | Transaction Value (Millions) |
|---------------------------|---------------------------------|--------------------------|----------|---|------------------------------|
| Asper Biogene             | Asper Biotech                   | Tartu, Estonia           | 1-Jul-17 | Provider of genetic testing services focused on neurological, cardiological, oncological, and hematological services.   | Undisclosed                  |
| Acino                     | Litha Healthcare Group          | Midrand, South Africa    | 3-Jul-17 | Supplier of devices, consumables, and equipment to public and private hospitals, pharmacies, and specialist practitioners.                                      | 100.00                       |
| Penumbra                  | Crossmed                        | Turin, Italy             | 3-Jul-17 | Distributor of medical supplies and equipment.  | 9.20                         |
| Novanta                   | World of Medicine               | Berlin, Germany          | 3-Jul-17 | Manufacturer and distributor of medical equipment to simplify diagnosis and facilitate treatment, including cameras, insufflators, medical pumps, and tubing.   | 129.04                       |
| Invent Farma              | FB Health                       | Ascoli Piceno, Italy     | 3-Jul-17 | Developer of pharmaceutical products and molecules for the prevention and treatment of diseases in the psychiatric, neurologic, and geriatric fields.           | Undisclosed                  |
| Spherix                   | Hoth Therapeutics               | Cincinnati, OH           | 3-Jul-17 | Developer of therapeutics for patients suffering from atopic dermatitis, such as eczema.  | Undisclosed                  |
| Brooks Automation         | Pacific Bio-Material Management | Torrance, CA             | 5-Jul-17 | Provider of storage and cold-chain logistics for biological sample materials.   | 33.00                        |
| Cross Country Healthcare  | Advantage RN                    | West Chester, OH         | 5-Jul-17 | Provider of traveling nurses and staffing for healthcare recruitment services, surgical services, and critical and emergency room services.                     | 88.00                        |
| Katena Products           | NuPak Medical                   | San Antonio, TX          | 5-Jul-17 | Manufacturer of medical devices in several specialties, including ophthalmology, with an ISO 13485-certified and FDA-registered contract manufacturing service. | Undisclosed                  |
| DASA Brasil Participações | Previlab Análises Clínicas      | Piracicaba, Brazil       | 5-Jul-17 | Provider of laboratory services, including clinical analysis and pathology laboratory services.   | Undisclosed                  |
| H.I.G. Capital            | Santa Lucia Pharma Apps         | Gragnano, Italy          | 5-Jul-17 | Provider of proprietary software, patented robotic technologies, and specialist support services for drug and medical device management.                        | Undisclosed                  |
| Lonza Group               | Capsugel                        | Morristown, NJ           | 6-Jul-17 | Developer and manufacturer of drug delivery systems.  | 5500.00                      |
| Dentinor Telemark         | Tanntekniker Arnestad           | Skien, Norway            | 6-Jul-17 | Manufacturer of medical and dental instruments and equipment.   | Undisclosed                  |
| Agilent Technologies      | Cobalt Light Systems            | Abingdon, United Kingdom | 7-Jul-17 | Developer of technologies designed to perform non-invasive chemical analysis.   | 51.16                        |
| Cesca Therapeutics        | SynGen                          | Rancho Cordova, CA       | 7-Jul-17 | Developer of instrument systems designed to harvest stem and progenitor cells from umbilical cord blood, bone marrow, peripheral blood, and cell culture.       | Undisclosed                  |

**Mergers and Acquisitions**

| The following table includes mergers and acquisitions for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month. |   |                          |           |   |                              |
|---|---|--------------------------|-----------|---|------------------------------|
| Acquirer  | Target  | HQ Location              | Date      | Description   | Transaction Value (Millions) |
| Golden Leaf Holdings  | Chalice   | Portland, OR             | 10-Jul-17 | Marketer and seller of cannabis flower, edibles, and oils.  | Undisclosed                  |
| Waud Capital Partners   | Integrated Practice Solutions                               | San Diego, CA            | 10-Jul-17 | Designer and developer of certified innovative chiropractic software technology services.   | Undisclosed                  |
| Galen Partners  | CDx Diagnostics   | Suffern, NY              | 11-Jul-17 | Developer and provider of OralCDx, an accurate and non-invasive biopsy to evaluate common oral lesions and detect pre-cancerous cells.                              | Undisclosed                  |
| Pan-American Life Insurance Company   | HolaDoctor  | Roswell, GA              | 11-Jul-17 | Provider of a comprehensive Spanish-language health and wellness digital networking site.   | Undisclosed                  |
| TractManager  | MedApproved   | Hudson, OH               | 11-Jul-17 | Provider of a SaaS-based system intended to streamline the decision-making process for hospital committees reviewing new products and value analysis initiatives.   | Undisclosed                  |
| Harvest   | Modern Flower   | Guadalupe, AZ            | 11-Jul-17 | Operator of a medical marijuana dispensary.   | Undisclosed                  |
| Harbor View Medical Services  | Regenexx (Colorado)   | Broomfield, CO           | 11-Jul-17 | Developer of stem cell treatment network intended to cure patients suffering from orthopedic problems.  | Undisclosed                  |
| BioTelemetry  | Lifewatch   | Zug, Switzerland         | 12-Jul-17 | Manufacturer and seller of remote cardiac and monitoring diagnostic equipment, providing mobile cardiac telemetry, cardiac event monitoring, and holter monitoring. | 257.00                       |
| Med Tech Solutions  | Constellation (Health Information Technology Business Unit) | Minneapolis, MN          | 12-Jul-17 | Developer of healthcare software providing health tech information services.  | Undisclosed                  |
| Beaver-Visitec  | Vitrex  | Vierpolders, Netherlands | 12-Jul-17 | Developer and manufacturer of ophthalmic products, including disposable micro forceps and scissors, backflush instruments, and surgical liquids.                    | Undisclosed                  |
| Temasek Holdings  | Global Healthcare Exchange                                  | Louisville, CO           | 13-Jul-17 | Provider of cloud-based technology and services designed to track medical and surgical supplies.  | 1800.00                      |
| MedPlast  | Coastal Life Technologies                                   | San Antonio, TX          | 13-Jul-17 | Provider of assembly, packaging, and sterilization services of single-use surgical devices.   | Undisclosed                  |
| AddLife   | Krabat  | Hvalstad, Norway         | 13-Jul-17 | Manufacturer and supplier of pediatric aids intended for children with special needs.   | Undisclosed                  |



**Mergers and Acquisitions**

The following table includes mergers and acquisitions for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Acquirer              | Target                   | HQ Location                | Date      | Description  | Transaction Value (Millions) |
|-----------------------|--------------------------|----------------------------|-----------|--|------------------------------|
| Principia SGR         | Trifarma                 | Milan, Italy               | 16-Jul-17 | Manufacturer and marketer of active ingredients created for the production of drugs with an emphasis on antibiotics and drugs for the nervous system.  | 48.09                        |
| Apax Partners         | Syneron Medical          | Yokneam Illit, Israel      | 17-Jul-17 | Developer and marketer of aesthetic medical products designed to offer nonsurgical cosmetic procedures.  | 397.00                       |
| Norgine               | Merus Labs International | Toronto, Canada            | 17-Jul-17 | Operator of a specialty pharmaceutical company intended to acquire and optimize legacy pharmaceuticals and new specialty medicines in a number of therapeutic categories.                          | 256.44                       |
| eMids Technologies    | Encore Health Resources  | Houston, TX                | 17-Jul-17 | Provider of information technology consulting services for the healthcare industry by advising on how to align strategy, implement systems, apply analytics, and realize value from clinical data. | Undisclosed                  |
| Malta Informatique    | AXigate                  | Paris, France              | 18-Jul-17 | Developer of a health information system designed to ensure patient follow-up.   | Undisclosed                  |
| Quest Diagnostics     | Med Fusion               | Lewisville, TX             | 18-Jul-17 | Operator of a laboratory-based healthcare consulting company that provides spectrum diagnostics across the continuum of care in oncology, women's health, and urology.                             | Undisclosed                  |
| Philips               | TomTec Imaging Systems   | Unterschleissheim, Germany | 18-Jul-17 | Developer of intelligent image analysis software, including multimodality, vendor neutral imaging, and analysis for cardiology and radiology.  | Undisclosed                  |
| StoneCalibre          | Alpha-Tec Systems        | Vancouver, WA              | 19-Jul-17 | Manufacturer of in-vitro diagnostic products, including proprietary digestion, decontamination, neutralization, and other sample preparation products, for mycobacteria diagnostics.               | Undisclosed                  |
| GW Plastic            | Avenue Mould Solutions   | Sligo, Ireland             | 19-Jul-17 | Designer, manufacturer, and validator of multi-cavity injection molds created to be used for high volume applications in the medical device and pharmaceutical industry.                           | Undisclosed                  |
| Daré Bioscience       | Cerulean Pharma          | Waltham, MA                | 19-Jul-17 | Developer of nanoparticle-drug conjugates designed to selectively attack tumor cells and reduce toxicity by sparing the body's normal cells.   | Undisclosed                  |
| Netsmart Technologies | DeVero                   | San Jose, CA               | 19-Jul-17 | Developer of a cloud-based software as a service healthcare platform for home health care, hospice, pediatric, and therapy group industries.   | Undisclosed                  |
| Enplas                | PolyLinks                | Asheville, NC              | 19-Jul-17 | Manufacturer of injection molding, including laboratory slides.  | Undisclosed                  |

**Mergers and Acquisitions**

The following table includes mergers and acquisitions for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Acquirer                  | Target                            | HQ Location            | Date      | Description  | Transaction Value (Millions) |
|---------------------------|-----------------------------------|------------------------|-----------|--|------------------------------|
| Ridgemont Equity Partners | HemaSource                        | West Jordan, UT        | 20-Jul-17 | Distributor of ancillary medical supplies partnered with ambulatory clinic customers to increase operational excellence in the ordering, usage, delivery, and storage of medical products in plasma protein collections and dialysis services. | Undisclosed                  |
| Auris Medical             | Otifex Therapeutics               | Melbourne, Australia   | 20-Jul-17 | Developer of a novel nasal spray intended to treat acquired hearing loss in children.  | Undisclosed                  |
| Teledyne Instruments      | Scientific Systems                | State College, PA      | 20-Jul-17 | Manufacturer of positive-displacement piston pumps used primarily in analytical and diagnostic instrumentation, such as high performance liquid chromatography systems and specific medical devices.   | Undisclosed                  |
| Tissue Regenix Group      | CellRight                         | Universal City, TX     | 21-Jul-17 | Developer of regenerative matrices and graft products dedicated to the development of innovative osteoinductive and wound care scaffolds that enhance healing opportunities of defects created by trauma and disease.                          | 29.42                        |
| GED                       | Vitro                             | Sevilla, Spain         | 21-Jul-17 | Manufacturer of equipment, reagents, and software for in-vitro diagnostics.  | Undisclosed                  |
| Star Capital              | Biochemical Systems International | Arezzo, Italy          | 21-Jul-17 | Provider of biochemical research products intended for liquid and dry chemistry.   | Undisclosed                  |
| Flexicare                 | Neoforce Group                    | Ivyland, PA            | 24-Jul-17 | Manufacturer of medical devices, including incubators, warmers, procedural beds, neonatal transporters, photo-therapy products, resuscitation products, and incubator drawers.   | 0.72                         |
| Alpine Immune Sciences    | Nivalis Therapeutics              | Boulder, CO            | 24-Jul-17 | Developer of a novel class of disease modifying therapies designed to preserve intracellular GSNO, an endogenous molecule with cell signaling effects that are implicated in the pathophysiology of cystic fibrosis.                           | 90.00                        |
| Gurnet Point Capital      | Innocoll                          | Athlone, Ireland       | 24-Jul-17 | Developer and manufacturer of a range of pharmaceutical products and medical devices based on a proprietary collagen-based technology for the treatment of post-operative pain and diabetic foot infections.                                   | 209.00                       |
| Jean-Pascal Peyret        | @-Health                          | France                 | 24-Jul-17 | Provider of cardiovascular monitoring and diagnostic services.   | Undisclosed                  |
| LongueVue Capital         | Zavation Medical Products         | Flowood, MS            | 25-Jul-17 | Manufacturer of a range of spinal hardware covering key areas, including thoracolumbar, cervical, interbody fusion, and minimally invasive surgeries.  | Undisclosed                  |
| Cogentix Medical          | Genesis Medical (London)          | London, United Kingdom | 26-Jul-17 | Distributor of medical products intended to provide reliable diagnostic products and medical equipment for the urology and gynecology fields.  | 0.66                         |

Source: Pitchbook

Compiled by: Lea Keller and Morgan Reape

**Mergers and Acquisitions**

The following table includes mergers and acquisitions for private and public medical devices, biotechnology, pharmaceuticals, and healthcare companies announced over the previous month.

| Acquirer             | Target                                | HQ Location                | Date      | Description  | Transaction Value (Millions) |
|----------------------|---------------------------------------|----------------------------|-----------|--|------------------------------|
| Accord Healthcare    | Essential Pharmaceuticals             | Ewing, NJ                  | 26-Jul-17 | Developer of organ preservation products and provider of research facilities to surgeons and bio-pharmaceutical companies.   | Undisclosed                  |
| Lonza Group          | Micro-Macinazione                     | Monteggio, Switzerland     | 26-Jul-17 | Provider of micronization services and equipment intended to improve active pharmaceutical ingredients.  | Undisclosed                  |
| Baxter International | Clarix Injectables                    | NJ                         | 27-Jul-17 | Developer of injectable drugs and pharmaceuticals.   | 625.00                       |
| Eurofins Scientific  | GATC Biotech                          | Constance, Germany         | 27-Jul-17 | Provider of DNA and RNA sequencing and bioinformatics services to academic and industrial customers.   | Undisclosed                  |
| Cardinal Health      | Medtronic (Medical Supplies Business) | Dublin, Ireland            | 30-Jul-17 | Provider of medical supplies, including diabetes products, insulin pumps, health and fitness products, and glucose monitoring products.  | 6100.00                      |
| CoBe Capital         | Völker (Witten)                       | Witten, Germany            | 31-Jul-17 | Manufacturer of electrically operated healthcare beds and other healthcare furnishings.  | Undisclosed                  |
| Marle                | SMB Medical                           | Sant'Antonino, Switzerland | 31-Jul-17 | Operator of a leading medical contract manufacturing company specializing in the production of forged medical products like joint implants, anatomical trauma products, and medical instruments. | Undisclosed                  |
| Profound Medical     | Philips (Sonalleve MR-HIFU)           | Amsterdam, Netherlands     | 31-Jul-17 | Distributor of sonalleve devices used to ablate uterine fibroids and palliative pain treatment of bone metastases.   | 6.07                         |
| LifeHealthcare Group | Oceania Orthopaedics                  | Albion, Australia          | 31-Jul-17 | Manufacturer of orthopedic products, including a mobile bearing tibia, hip implants, knee replacement products, and elbow joints.  | 7.24                         |
| Jaguar Health        | Napo Pharmaceuticals                  | San Francisco, CA          | 31-Jul-17 | Provider of Mytesi, an antidiarrheal indicated for the symptomatic relief of noninfectious diarrhea in adult patients with HIV/AIDS on antiretroviral therapy.                                   | Undisclosed                  |
| Inspyr Therapeutics  | Lewis & Clark Pharmaceuticals         | Charlottesville, VA        | 31-Jul-17 | Developer of adenosine-based pharmaceutical products to treat autoimmune diseases that have molecular properties offering enhanced distribution in tissue and penetration of human skin.         | Undisclosed                  |