



Medical Equipment Global Market Competitor Briefing 2021

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Medical Equipment Market Characteristics

Medical equipment devices are designed to aid diagnosis, monitoring or treatment of medical conditions.

The medical equipment market consists of sales of medical equipment and related services by entities (organizations, sole traders and partnerships) that produce medical equipment which is used in the diagnosis, treatment and monitoring of medical conditions. This market includes establishments that produce in-vitro diagnostic devices, diagnostic imaging equipment, dental equipment and supplies, ophthalmic devices, cardiovascular devices, hospital supplies and other medical devices.

Market value is defined as the revenues organizations earn by selling their goods and services within the specified market, based on the price at which they sell. Only goods and services traded between entities are included. The revenues for a specified geography are consumption values – that is, they are revenues generated by organizations in the specified geography within the specified market, irrespective of where they are produced.

Value is defined as revenues generated from goods or services in a given geographic market through sales, grants or donations in terms of currency (in USD (\$) unless otherwise specified).

Medical equipment market is further segmented into in-vitro diagnostics, dental equipment and supplies, ophthalmic devices, diagnostic imaging equipment, cardiovascular devices, hospital supplies, surgical equipment, orthopedic devices, patient monitoring devices, diabetes care devices, nephrology and urology devices, ent devices, anesthesia and respiratory devices, neurology devices and wound care devices.

- **In-Vitro Diagnostics**

The in-vitro diagnostics devices (or) equipment manufacturing market consist of sales of in-vitro diagnostic equipment and related services by entities that produce in-vitro diagnostics. This industry includes establishments that produce diagnostic devices used in microbiological diagnosis, hematological diagnosis, molecular diagnosis, point of care diagnosis and others.

In-vitro diagnostics market is further segmented into point-of-care diagnostics devices and equipment, immunochemistry diagnostic devices and equipment, clinical chemistry diagnostics devices and equipment, molecular diagnostics devices and equipment, microbiology diagnostic devices and equipment, hemostasis diagnostic devices and equipment, hematology diagnostic devices and equipment and immunohematology diagnostic devices and equipment

- **Point-Of-Care Diagnostics Devices And Equipment**

The point-of-care diagnostics devices (or) equipment market consist of sales of point-of-care diagnostics devices and related services by entities that produce point-of-care diagnostics devices. Point-of-care diagnostics devices are designed to aid doctors in performing medical diagnostic testing at or near the point of care, for immediate knowledge on diseases or

conditions. Point-of-care diagnostics are classified into glucose and cardio metabolic monitoring kits, infectious diseases testing kits, cardiac and cancer markers.

- **Immunochemistry Diagnostic Devices And Equipment**

The immunochemistry diagnostics devices (or) equipment market consists of sales of immunochemistry diagnostics devices and related services by entities that produce immunochemistry diagnostics devices. Immunochemistry diagnostics devices are designed to diagnose diseases or conditions by studying the functions of the immune system through analyzing the nature of specific proteins, antigens, antibodies and their interaction.

- **Clinical Chemistry Diagnostics Devices And Equipment**

The clinical chemistry diagnostics devices (or) equipment market consists of sales of clinical chemistry diagnostics equipment and related services by entities that produce clinical chemistry diagnostics equipment. Clinical chemistry diagnostics devices are used to analyze body fluids for diagnostic purposes. Clinical chemistry devices include albumin analyzers, immunoassay analyzer, osmometers, bilirubinometers, clinical chemistry analyzers, coagulation analyzers, creatinine analyzers, reagents and other products.

- **Molecular Diagnostics Devices And Equipment**

The molecular diagnostics devices (or) equipment market consists of sales of molecular diagnostics devices and related services by entities that produce molecular diagnostics devices. Molecular diagnostics devices are used to diagnose infectious diseases and perform screening by detecting specific sequences in DNA or RNA. It helps doctors to prescribe more accurate therapeutic interventions in the early stages of a disease.

- **Microbiology Diagnostic Devices And Equipment**

The microbiology diagnostics devices (or) equipment market consists of sales of microbiology diagnostics devices and related services by entities that produce microbiology diagnostics devices. Microbiology diagnostics devices are used to diagnose infectious diseases by examining pathogens. These instruments include incubators, autoclave sterilizers, anaerobic culture systems, blood culture systems, gram strainers, microscopes, mass spectrometers, molecular diagnostic instruments, reagents pathogen specific kits and general reagents.

- **Hemostasis Diagnostic Devices And Equipment**

The hemostasis diagnostics devices market consists of sales of hemostasis diagnostics devices and related services by entities that produce hemostasis diagnostics devices. Hemostasis diagnosis devices include systems, reagents, information management and service used to diagnose and guide treatment of thrombotic and bleeding disorders, ultimately improving the quality of patient care, lowering total cost, and assuring regulatory compliance in the clinical laboratory.

- **Hematology Diagnostic Devices And Equipment**

The hematology diagnostics devices market consists of sales of hematology diagnostics devices and related services by entities that produce hematology diagnostics devices. Hematology diagnostics instruments are used to diagnose diseases related to blood, vascular systems, bone marrow, auto immune disorders and hemostasis. These devices include automated cell counters, red cell indices devices, micro sedimentation centrifuges, or blood volume measuring devices, occult blood tests, platelet aggregometers, erythrocyte sedimentation rate tests, red blood cell enzyme assay kits, glutathione reductase assays and hematology reagents.

- **Immunohematology Diagnostic Devices And Equipment**

The immunohematology diagnostics devices market consists of sales of immunohematology diagnostics devices and related services by entities that produce immunohematology diagnostics devices.

- **Dental Equipment And Supplies**

The dental equipment and supplies market consists of sales of dental equipment and related services by entities that produce dental equipment and supplies. This industry includes establishments that produce devices such as therapeutic dental equipment, general dental equipment, dental diagnostic imaging equipment and dental surgical equipment.

Dental equipment and supplies market is further segmented into therapeutic dental equipment, general dental devices and equipment, dental diagnostic imaging devices and equipment and dental surgical devices and equipment

- **Therapeutic Dental Equipment**

The therapeutic dental equipment market consists of sales of therapeutic dental equipment and related services by entities that produce therapeutic dental equipment and supplies. Therapeutic dental equipment is used for the treatment of dental diseases. The key products include dental lasers, soft-tissue laser systems, diode lasers systems, CO₂ lasers systems, YAG laser systems, and all-tissue (hard/soft) laser systems.

- **General Dental Devices And Equipment**

The general dental equipment market consists of sales of general dental equipment and related services by entities that produce general dental equipment and supplies. General dental equipment and dental products are used in dental surgeries. The key products include dental implants, dental crowns, bridges, dental filling caps, orthodontic cases, dentures (false teeth), casting machines, instrument delivery systems, ceramic furnaces, electrosurgical systems, computer aided design (CAD)/ computer aided manufacturing (CAM) systems, dental chairs, dental light cure equipment, dental hand pieces, and accessories.

- **Dental Diagnostic Imaging Devices And Equipment**

The dental diagnostic imaging devices (or) equipment market consists of sales of dental diagnostic imaging equipment and related services by entities that produce dental diagnostic imaging equipment and supplies. Dental diagnostic imaging equipment use imaging techniques and processes of creating visual representations of the interior dental structure. Diagnostic radiography designates the technical aspects of medical imaging.

- **Dental Surgical Devices And Equipment**

The dental surgical devices (or) equipment market consists of sales of dental surgical equipment and related services by entities that produce dental surgical equipment and supplies. Dental surgical equipment is used for the treatment of problems related to dental caries, cavities, tooth decay, periodontitis, gingivitis, oral candidiasis, xerostomia, and other forms of oral cancers and injury. This includes examination instruments, retractors, dental handpieces, dental lasers and others.

- **Ophthalmic Devices**

The ophthalmic devices (or) equipment supplies market consists of sales of ophthalmic devices and related services by entities that produce ophthalmic devices used in the diagnosis and treatment of eye related diseases. This industry includes establishments that produce vision care devices, cataract surgery devices, refractive surgery devices, diagnostic and monitoring ophthalmic devices used in conditions such as eye infections, cataract, glaucoma, retinal detachment and other medical conditions.

Ophthalmic devices market is further segmented into vision care devices and equipment, cataract surgery devices and equipment, refractive surgery devices and equipment and diagnostic and monitoring ophthalmic devices and equipment.

- **Vision Care Devices And Equipment**

The vision care devices (or) equipment market consists of sales of vision care devices and related services by entities that produce vision care devices that are used to treat eye vision problems. These devices include contact lenses and spectacles.

- **Cataract Surgery Devices And Equipment**

The cataract surgery devices (or) equipment market consists of sales of cataract surgery devices and related services by entities that produce cataract surgery devices. Cataract surgery devices include instruments used for performing cataract surgery in the treatment of cataracts, a condition in which the lens of the eye becomes progressively opaque, resulting in blurred vision.

- **Refractive Surgery Devices And Equipment**

The refractive surgery devices (or) equipment market consists of sales of refractive surgery devices and related services by entities that produce refractive surgery devices. Refractive surgery devices are used in refractive error surgeries, a procedure of correcting or improving vision affected by refractive error such as nearsightedness (myopia), farsightedness (hyperopia), presbyopia or astigmatism. These devices include excimer lasers, YAG Lasers, microkeratomes and femtosecond lasers.

- **Diagnostic And Monitoring Ophthalmic Devices And Equipment**

The diagnostic and monitoring ophthalmic devices (or) equipment market consists of sales of diagnostic and monitoring ophthalmic devices and related services by entities that produce diagnostic and monitoring ophthalmic devices. Diagnostic and monitoring ophthalmic devices are used for the diagnosis and monitoring of diseases related to the retina and cornea by measuring affix lenses and refractive errors. These devices also help to identify the power of intra ocular lens (IOLs) and analyze the visual field. Ophthalmic diagnostic and monitoring devices include ultrasound imaging systems, optical coherence tomography scanners, ophthalmoscopes, corneal topographers, specular microscopes, slit lamps, fundus cameras, anomaloscope, haploscope, ophthalmic lens gauge, stereopsis measuring Instrument, retinoscopes, stereoscope and others.

- **Diagnostic Imaging Equipment**

The diagnostic devices (or) equipment market consists of sales of diagnostic equipment and related services by entities that produce diagnostic equipment used in diagnosis of various diseases. This industry includes establishments that produce diagnosis equipment such as X-ray systems, ultrasound systems, computed tomography (CT) scanners, magnetic resonance imaging systems and other diagnostics equipment.

Diagnostic imaging equipment market is further segmented into x-ray systems devices and equipment, ultrasound systems devices and equipment, computed tomography (CT) scanners devices and equipment, magnetic resonance imaging systems devices and equipment, cardiovascular monitoring and diagnostic devices and equipment and nuclear imaging devices and equipment.

- **X-Ray Systems Devices And Equipment**

The X-ray systems devices (or) equipment market consists of sales of X-ray systems and related services by entities that produce X-ray systems. X-ray systems are used for the diagnosis and imaging of patients suffering from various diseases. The key product types of X-ray systems include general radiography X-ray systems, fluoroscopy X-ray systems, mammography X-ray systems, interventional X-ray systems, and mobile c-arm X-ray systems.

- **Ultrasound Systems Devices And Equipment**

The ultrasound systems devices (or) equipment market consists of sales of ultrasound systems and related services by entities that produce ultrasound systems. Ultrasound systems are machines used to see internal body structures based on the ultrasound application. Ultrasound systems are used in applications such as radiology/general imaging, orthopedic, cardiology, obstetrics/gynecology, vascular, urology, and other applications (breast imaging, hematology, anesthesiology, and emergency care).

- **Computed Tomography (CT) Scanners Devices And Equipment**

The computed tomography (CT) scanners devices (or) equipment market consists of sales of computed tomography (CT) scanners and related services by entities that produce computed tomography (CT) scanners. Computed tomography (CT) scanners are used in the diagnosis of various diseases including cancer, bone related diseases, cardiovascular diseases, gynecological diseases, urological diseases, and other diseases. CT scanners use computer-controlled X-rays to create images of the body. A CT scan is a three-dimensional method of scanning. The key product types include low end segment (single and dual slice CT scanners), mid end segment (multi slice scanners), and high end slice segment (open versions, and cardiac CT scanners).

- **Magnetic Resonance Imaging Systems Devices And Equipment**

The magnetic resource imaging systems devices (or) equipment market consists of sales of magnetic resource imaging systems and related services by entities that produce magnetic resource imaging systems. Magnetic resonance imaging (MRI) systems are imaging machines used to form pictures of inflammation or infection in an organ, degenerative diseases, strokes, musculoskeletal disorders, tumors, and other irregularities that exist in tissue or organs in a body. MRI systems use a fixed or static magnetic field and radio frequency signals to visualize anatomy, tissue characteristics, vascular flow, chemical composition of tissues, and perfusion and diffusion of tissues.

- **Cardiovascular Monitoring And Diagnostic Devices And Equipment**

The cardiovascular monitoring and diagnostic devices (or) equipment market consists of sales of cardiovascular monitoring and diagnostic devices and related services by entities that produce cardiovascular monitoring and diagnostic devices. Cardiovascular monitoring and diagnostic devices are used for the diagnosis, monitoring, and treatment of cardiovascular diseases. The key product types include ECG (electrocardiogram) systems (resting ECG systems and stress ECG systems), event monitors, holter monitors, implantable loop recorders, and ECG management systems.

- **Nuclear Imaging Devices And Equipment**

The nuclear imaging devices (or) equipment market consists of sales of nuclear imaging devices and related services by entities that produce nuclear imaging devices. Nuclear imaging devices are used in the diagnosis of radioactive substances in the patients. The key product types of the market include SPECT (single-photon emission computed tomography) systems (hybrid SPECT and standalone SPECT) and hybrid PET systems. These products are used in a wide range of medical applications including cardiology, obstetrics/gynecology, vascular, urology, and other medical applications.

- **Cardiovascular Devices**

The cardiovascular devices (or) equipment market consists of sales of cardiovascular devices and related services by entities that produce cardiovascular devices used in diagnosing and treating cardiovascular diseases. This industry includes establishments that produce devices such as cardiovascular surgery devices, cardiac rhythm management (CRM) devices, interventional cardiology devices, peripheral vascular devices, electrophysiology devices and other devices used in cardiovascular surgeries, treating arrhythmia and other cardiovascular diseases.

Cardiovascular devices market is further segmented into cardiovascular surgery devices and equipment, cardiac rhythm management (CRM) devices and equipment, interventional cardiology devices and equipment, defibrillator devices and equipment, peripheral vascular devices and equipment, prosthetic heart valve devices and equipment, electrophysiology devices and equipment and cardiac assist devices and equipment

- **Cardiovascular Surgery Devices And Equipment**

The cardiovascular surgery devices (or) equipment market consists of sales of cardiovascular surgery devices and related services by entities that produce cardiovascular surgery devices. Cardiovascular surgery devices are used in cardiac surgery and other cardiovascular procedures performed to repair structural defects of the cardiovascular system of the heart and its damaged or blocked valves and vessels. Cardiovascular surgery devices are divided into perfusion disposables, beating heart surgery systems, cardiopulmonary bypass equipment and cardiac ablation devices.

- **Cardiac Rhythm Management (CRM) Devices And Equipment**

The cardiac rhythm management (CRM) devices (or) equipment market consists of sales of cardiac rhythm management (CRM) devices and related services by entities that produce cardiac rhythm management (CRM) devices. CRM devices are used to manage the heart rate or rhythm by generating electrical impulses or shocks in order to get the heart back to its normal functions. CRM devices are used in the treatment of arrhythmia (abnormal heart rhythms) related diseases. These devices are segmented into defibrillators, pacemakers and cardiac resynchronization therapy devices.

- **Interventional Cardiology Devices And Equipment**

The interventional cardiology devices (or) equipment market consists of sales of interventional cardiology devices and related services by entities that produce interventional cardiology devices. Interventional cardiology devices are used in interventional cardiology, a branch of medicine that deals with the catheter based treatment of structural heart diseases. This segment is focused mainly on minimally invasive treatments for functional and structural heart diseases using catheter-based approaches to reach the heart under X-ray visualization.

- **Defibrillator Devices And Equipment**

The defibrillator devices (or) equipment market consists of sales of defibrillator devices and related services by entities that produce defibrillator devices. Defibrillator devices are used in the emergency treatment of life-threatening cardiac arrhythmias and abnormal heart rhythms by giving a high electrical energy shock to the heart through the chest wall to restore its normal rhythm function.

- **Peripheral Vascular Devices And Equipment**

The peripheral vascular devices (or) equipment market consists of sales of peripheral vascular devices and related services by entities that produce peripheral vascular devices. Peripheral vascular devices are used to treat peripheral vascular diseases which are slow and progressive blood circulation disorders caused by blockages, narrowing or spasms in blood vessels outside the heart and brain including arteries and veins.

- **Prosthetic Heart Valve Devices And Equipment**

The prosthetic heart valve devices (or) equipment market consists of sales of prosthetic heart valve devices and related services by entities that produce prosthetic heart valve devices. Prosthetic heart valve devices are artificial heart valves that are implanted in the heart of a patient with valvular heart diseases. Prosthetic heart valve devices are segmented into mechanical heart valves, transcatheter heart valves and tissue heart valves.

- **Electrophysiology Devices And Equipment**

The electrophysiology devices (or) equipment market consists of sales of electrophysiology devices and related services by entities that produce electrophysiology devices. Electrophysiology devices are used in the diagnosis and treatment of heart rhythm disorders through electrical activity.

- **Cardiac Assist Devices And Equipment**

The cardiac assist devices (or) equipment market consists of sales of cardiac assist devices and related services by entities that produce cardiac assist devices. Cardiac assist devices are electromechanical devices for assisting cardiac circulation, which are used either to partially or to completely replace the function of a failing heart.

- **Hospital Supplies**

The hospital supplies market consists of sales of hospital supplies and related services by entities that produce hospital supplies. This industry includes establishments that produce disposable consumables such as glucose test strips, conventional syringes and others. It also includes establishments manufacturing sterilization equipment and disinfectants used in operation theaters during surgeries and mobility equipment such as wheelchairs, walkers and others to transport patients from one place to another.

Hospital supplies market is further segmented into disposable hospital supplies, sterilization equipment and disinfectants, mobility aids and transportation equipment and operating room equipment.

- **Disposable Hospital Supplies**

The disposable hospital supplies market consists of sales of disposable hospital supplies and related services by entities that produce disposable hospital supplies. Disposable hospital supplies are products for one-time use only and include blood glucose test strips, procedure kits and trays, conventional syringes and needles, facemasks, prefilled syringes, isolation gowns and medical gloves.

- **Sterilization Equipment And Disinfectants**

The sterilization equipment and disinfectants market consists of sales of sterilization equipment and disinfectants and related services by entities that produce sterilization equipment and disinfectants. Sterilization equipment and disinfectants are products which help reduce microbes and prevent infections. They include autoclaves, hot air ovens, filtration and radiation sterilization equipment, and disinfectant chemicals.

- **Mobility Aids And Transportation Equipment**

The mobility aids and transportation equipment market consists of sales of mobility aids and transportation equipment and related services by entities that produce mobility aids and transportation equipment. Mobility aids and transportation equipment are medical devices used to transport patients or medical products from one place to another. Such devices include wheelchairs, walkers, crutches and stretchers. They can be manually operated or motorized.

- **Operating Room Equipment**

The operating room equipment market consists of sales of operating room equipment and related services by entities that produce operating room equipment. Operating room equipment is used during surgery and includes surgical beds, operating tables, operating table accessories, operating room lights, operating room integration systems and equipment management systems.

- **Surgical Equipment**

The surgical equipment market consists of sales of surgical equipment and related services by entities that produce surgical equipment used during surgeries. This industry includes establishments that produce surgical sutures and staples, handheld surgical devices such as forceps, scalpels retractors and scissors and monopolar, bipolar and ultrasonic electrosurgical instruments.

Surgical equipment market is further segmented into surgical sutures and staples, handheld surgical devices and equipment and electrosurgical devices and equipment.

- **Surgical Sutures And Staples**

The surgical sutures and staples market consists of sales of surgical sutures and staples and related services by entities that produce surgical sutures and staples. Surgical sutures and staples are medical devices used by surgeons to hold skin, internal organs, blood vessels or any other tissues together after they have been severed during surgery. Sutures and staples hold incised body parts together until they are completely healed. These devices can be either be absorbable or non-absorbable. An absorbable suture breaks down in tissue and degrades as a wound or incision heals. A non-absorbable suture resists the body's attempt to dissolve it. Non-absorbable sutures must be removed after a surface incision heals.

- **Handheld Surgical Devices And Equipment**

The handheld surgical devices market consists of sales of handheld surgical devices and related services by entities that produce handheld surgical devices such as forceps, scalpels, retractors and scissors.

- **Electrosurgical Devices And Equipment**

The electrosurgical devices market consists of sales of electrosurgical devices and related services by entities that produce electrosurgical devices. Electrosurgical devices include surgical generators and electrosurgical instruments. Surgical generators include radiofrequency, ultrasonic, electrocautery, and argon plasma equipment. Electrosurgical instruments include monopolar, bipolar and ultrasonic instruments. These devices deliver high frequency electrical currents and voltages through an active electrode. They are used for cutting, sealing, and coagulating tissue during a variety of open and laparoscopic surgical procedures.

- **Orthopedic Devices**

The orthopedic devices (or) equipment market consists of sales of orthopedic devices and related services by entities that produce orthopedic devices used in treating bone abnormalities. This industry includes establishments that produce devices used in joint reconstruction, spinal surgeries, Craniomaxillofacial surgeries and orthobiologics implants. It also includes establishments manufacturing orthopedic accessories to fix or remove implants from the body and artificial devices to replace missing body part from the body under orthopedic prosthetics.

Orthopedic Devices market is further segmented into joint reconstruction devices and equipment, spinal surgery devices and equipment, trauma fixation devices and equipment, orthobiologics devices and equipment, arthroscopy devices and equipment, orthopedic braces and support devices and equipment, craniomaxillofacial (CMF) devices and equipment, orthopedic prosthetics and orthopedic accessories.

- **Joint Reconstruction Devices And Equipment**

The joint reconstruction devices (or) equipment market consists of sales of joint reconstruction devices and related services by entities that produce joint reconstruction devices. Joint reconstruction procedures include shoulder replacement, ankle replacement, digit replacement, hip replacement, elbow replacement, knee replacement, and elbow replacement.

- **Spinal Surgery Devices And Equipment**

The spinal surgery devices (or) equipment market consists of sales of spinal surgery devices and related services by entities that produce spinal surgery devices. These include spinal implants and spinal surgical devices such as thoracic fusion and lumbar fusion devices, spine biologics, cervical fusion devices, vertebral compression fracture treatment devices, spine bone stimulators, non-fusion devices and spinal decompression devices.

- **Trauma Fixation Devices And Equipment**

The trauma fixation devices (or) equipment market consists of sales of trauma fixation devices and related services by entities that produce trauma fixation devices. Trauma fixation devices are used in the treatment of patients suffering from physical trauma. They include internal fixation devices (plates and screws, intramedullary nails, compression hip screws, and cannulated screws) and external fixation devices (unilateral fixation, circular fixation, and hybrid fixation devices).

- **Orthobiologics Devices And Equipment**

The orthobiologics devices (or) equipment market consists of sales of orthobiologics devices and related services by entities that produce orthobiologics devices. Orthobiologic devices are implants composed of cells and proteins naturally found in human body that provide accelerated healing by stimulating efficient regrowth of musculoskeletal tissues including bones, cartilage, tendons and ligaments.

- **Arthroscopy Devices And Equipment**

The arthroscopy devices (or) equipment market consists of sales of arthroscopy devices and related services by entities that produce arthroscopy devices. Arthroscopy devices are used in arthroscopy procedures (a minimally invasive procedure) for the diagnosis and treatment of joint problems such as torn cartilage, ACL, and sports related injuries conducted on hip, knee, shoulder, spine, ankle, wrist, and elbow. The key products include arthroscopies, radiofrequency probes, patient positioning systems, fluid management systems, cannula, hand instruments, fixation devices, and accessories.

- **Orthopedic Braces And Support Devices And Equipment**

The orthopedic braces and support devices (or) equipment market consists of sales of orthopedic braces and support systems and related services by entities that produce orthopedic braces and support systems. Orthopedic braces and support systems are used to protect, support and strengthen the joints and muscles. Orthopedic braces and support systems are primarily used in injury prevention, injury rehabilitation, post-operative care and osteoarthritic care.

- **Craniomaxillofacial (CMF) Devices And Equipment**

The craniomaxillofacial (CMF) devices market consists of sales of craniomaxillofacial (CMF) devices and related services by entities that produce craniomaxillofacial (CMF) devices. Craniomaxillofacial is a special type of orthopedic surgery that focuses completely on the skull and facial disorders. This surgery is generally conducted for the treatment of severe cranial and facial bone injuries. Based on the product type, CMF devices are classified into – plate and screw fixation, flap fixation devices, distraction systems and temporomandibular joint (TMJ) replacement devices.

- **Orthopedic Prosthetics**

The orthopedic prosthetics devices (or) equipment market consists of sales of orthopedic prosthetics devices and related services by entities that produce orthopedic prosthetics devices. Orthopedic prosthetics are artificial devices that replace a missing body part which may be lost through trauma, disease, surgical removal of body appendage, disabling illness or congenital conditions. These devices are classified into upper extremity prosthetics (hand, elbow, shoulder) and lower extremity prosthetics (foot and ankle, knee, and hip).

- **Orthopedic Accessories**

The orthopedic accessories devices (or) equipment market consists of sales of orthopedic accessories (includes orthopedic reamers) and related services by entities that produce orthopedic accessories (including orthopedic reamers). Orthopedic accessories are used to fix or remove implants from the body. The key products include bone cements, casting materials, and removal systems.

- **Patient Monitoring Devices**

The patient monitoring devices (or) equipment market consists sales of patient monitoring devices and related services by entities that produce patient monitoring devices used in monitoring vital health parameters. This industry includes establishments that produce fetal and neonatal monitoring devices used to monitor heart rates in neonates and pregnant mothers, body weight and temperature monitoring devices, vital parameter monitoring devices used during surgeries and remote patient monitoring devices.

Patient monitoring devices market is further segmented into fetal and neonatal monitoring devices, weight monitoring and body temperature monitoring devices and equipment, vital parameter monitoring devices and equipment and remote patient monitoring devices and equipment.

- **Fetal And Neonatal Monitoring Devices**

The fetal and neonatal monitoring devices (or) equipment market consists of sales of fetal and neonatal monitoring devices and related services by entities that produce fetal and neonatal monitoring devices. Fetal and neonatal monitoring devices are used to assess fetal heart rate and contractions of the uterus during pregnancy and childbirth. Ultrasound dopplers and internal fetal monitors are widely-used fetal and neonatal monitors.

- **Weight Monitoring And Body Temperature Monitoring Devices And Equipment**

The weight monitoring and body temperature monitoring devices (or) equipment market consists of sales of weight monitoring and body temperature monitoring devices and related services by entities that produce weight monitoring and body temperature monitoring devices. Weight monitoring and body temperature monitoring devices are the most widely used patient monitoring equipment.

- **Vital Parameter Monitoring Devices And Equipment**

The vital parameter monitoring devices (or) equipment market consists of sales of vital parameter monitoring devices and related services by entities that produce vital parameter monitoring devices. Vital parameter monitoring devices are used to monitor critical parameters such as blood pressure, heart rate, and other physiological parameters

- **Remote Patient Monitoring Devices And Equipment**

The remote patient monitoring devices (or) equipment market consists of sales of remote patient monitoring devices and related services by entities that produce remote patient monitoring devices. Remote patient monitoring devices allow a patient to use a mobile medical device for undergoing a routine test and send the test data to a healthcare expert in real-time.

- **Diabetes Care Devices**

The diabetes care devices (or) equipment consists of sales of diabetes care devices and related services by entities that produce diabetes care devices used to monitor blood glucose levels in diabetic patients. This industry includes establishments that produce blood glucose test strips used to check blood glucose levels, Insulin Pens, Syringes, pumps and Injectors used to inject insulin, continuous glucose monitoring devices, blood glucose meters and others.

Diabetes care devices market is further segmented into blood glucose test strips, insulin pens, syringes, pumps and injectors, lancing devices and equipment, continuous glucose monitoring devices and equipment and blood glucose meters

- **Blood Glucose Test Strips**

The blood glucose test strips devices (or) equipment market consists of sales of blood glucose test strips and related services by entities that produce blood glucose test strips. Blood glucose test strips are used to diagnose glucose levels in patients' blood and to control diabetes.

- **Insulin Pens, Syringes, Pumps And Injectors**

The insulin pens, syringes, pumps and injectors devices (or) equipment market consists of sales of insulin pens, syringes, pumps and injectors and related services by entities that produce insulin pens, syringes, pumps and injectors. Insulin pens are reusable pen-like tools used to inject desired a dose of insulin. into the blood of a diabetic patient. Insulin helps to ensure that glucose levels in the patient's blood are appropriate. Insulin syringes are the reusable devices used to inject insulin which is specifically made for self-administration. Insulin pumps and injectors are the devices which are used to deliver insulin continuously throughout the day to the diabetic patient and maintain blood glucose levels.

- **Lancing Devices And Equipment**

The lancing devices (or) equipment market consists of sales of lancing devices and related services by entities that produce lancing devices that are used to prick the skin to obtain the blood samples for testing the glucose levels.

- **Continuous Glucose Monitoring Devices And Equipment**

The continuous glucose monitoring devices (or) equipment market consists of sales of continuous glucose monitoring devices and related services by entities that produce continuous glucose monitoring devices that are used to measure glucose levels throughout the day and night. These devices continuously monitor the sugar levels in blood and alert the patient.

- **Blood Glucose Meters**

The blood glucose meters market consists of sales of blood glucose meters and related services by entities that produce blood glucose meters that are used to measure and display the amount of sugar (glucose) in the blood.

- **Nephrology And Urology Devices**

The nephrology and urology devices (or) equipment market consists of sales of nephrology and urology devices and related services by entities that produce nephrology and urology devices used in diagnosis and treatment of kidney and genitourinary diseases. This industry includes establishments that produce dialysis devices used during kidney failures and kidney dysfunctioning, urinary stone treatment devices used in treating kidney stones, urinary incontinence & pelvic organ prolapse devices, endoscopy devices and other devices.

Nephrology and urology devices market is further segmented into dialysis devices and equipment, urinary stone treatment devices and equipment, urinary incontinence & pelvic organ prolapse devices and equipment, benign prostatic hyperplasia (BPH) treatment devices and equipment and endoscopy devices and equipment.

- **Dialysis Devices And Equipment**

The dialysis devices (or) equipment market consists of sales of dialysis devices and related services by entities that produce dialysis devices. Dialysis devices are used in dialysis processes that filter patient's blood to remove waste products such as urea, creatinine and excess water when kidneys fail or are damaged, dysfunctional or missing. Companies in this industry primarily engage in the produce of dialyzers and dialysis pumping machines and also produce other instruments used in the dialysis process, including blood pumps, catheters and tubing kits.

- **Urinary Stone Treatment Devices And Equipment**

The urinary stone treatment devices (or) equipment market consists of sales of urinary stone treatment devices and related services by entities that produce urinary stone treatment devices that are used in the treatment and management of stones formed in the kidneys and urinary tract. Stones are made of minerals in the urine that form crystals and grow into stones. About 85% of the stones are made of calcium, and the remaining portion composed of various substances including cysteine, uric acid or struvite.

- **Urinary Incontinence & Pelvic Organ Prolapse Devices And Equipment**

The urinary incontinence and pelvic organ prolapse devices (or) equipment market consists of sales of urinary incontinence and pelvic organ prolapse devices and related services by entities that produce urinary incontinence and pelvic organ prolapse devices that are used in the treatment of loss of bladder control and pelvic organs (bladder, uterus and rectum).

- **Benign Prostatic Hyperplasia (BPH) Treatment Devices And Equipment**

The benign prostatic hyperplasia (BPH) treatment devices (or) equipment market consists of sales of benign prostatic hyperplasia (BPH) treatment devices and related services by entities that produce benign prostatic hyperplasia (BPH) treatment devices that are used in the treatment of benign prostatic hyperplasia or benign prostatic hypertrophy, a condition of an enlarged prostate gland which causes blockade of urethra, the tube that carries urine from the bladder. These devices include prostatic stents and catheter ablation devices.

- **Endoscopy Devices And Equipment**

The endoscopy devices (or) equipment market consists of sales of endoscopy devices and related services by entities that produce endoscopy devices that are used to diagnose the diseases or examine the interiors of organs.

- **ENT Devices**

The ENT devices (or) equipment market consists of sales of ENT devices and related services by entities that produce ENT devices used in diagnosis and treatment of ear, nose and throat diseases. This industry includes establishments that produce hearing aid devices, hearing diagnostic devices, hearing implants, voice prostheses devices and other devices.

ENT devices market is further segmented into hearing aid devices and equipment, hearing diagnostic devices and equipment, ENT surgical devices and equipment, hearing implants, voice prosthesis devices and equipment and nasal splints.

- **Hearing Aid Devices And Equipment**

The hearing aid devices (or) equipment market consists of sales of hearing aid devices and related services by entities that produce hearing aid devices. Hearing aids are devices designed and developed to improve hearing of people affected by hearing loss. Hearing aid devices are classified into in ear hearing aid, receiver-in-the-ear hearing aid, behind-the-ear hearing aid, and canal hearing aids such as completely-in-canal (CIC) devices, in-the-canal hearing devices (ITC), and in-the-ear hearing devices (ITE).

- **Hearing Diagnostic Devices And Equipment**

The hearing diagnostic devices (or) equipment market consists of sales of hearing diagnostic devices and related services by entities that produce hearing diagnostic devices. This industry includes establishments that produce hearing diagnostic devices used for testing and evaluating hearing loss. The machines usually consist of an embedded hardware unit connected to a pair of headphones and a test subject feedback button, sometimes controlled by a standard PC.

- **ENT Surgical Devices And Equipment**

The ENT surgical devices (or) equipment market consists of sales of ENT (ear-nose-throat) surgical devices and related services by entities that produce ENT surgical devices that are used in ENT surgery by surgeons and ENT specialists. ENT surgical devices include balloon sinus dilation devices, powered surgical instruments, ENT supplies, radiofrequency devices, ear tubes and handheld instruments including the otology instrument, rhinology instrument, head and neck surgical instrument, laryngeal instrument and other handheld instruments.

- **Hearing Implants**

The hearing implants devices (or) equipment market consists of sales of hearing implants and related services by entities that produce hearing implants. Hearing implants are surgically installed devices aimed to improve the hearing of a person suffering from severe or profound levels of hearing loss. These are segmented into cochlear implants, bone anchored hearing aids (BAHA), mid-ear implants, and auditory brainstem implants (ABI).

- **Voice Prosthesis Devices And Equipment**

The voice prosthesis devices (or) equipment market consists of sales of voice prosthesis devices and related services by entities that produce voice prosthesis devices. Voice prosthesis devices are artificial devices that provide the capability to speak in patients who have undergone laryngectomy (removal of larynx). These devices are placed in the tracheo-esophageal puncture, an opening created between trachea (wind pipe) and esophagus (food pipe) by surgeons.

- **Nasal Splints**

The nasal splints market consists of sales of nasal splints and related services by entities that produce nasal splints. Nasal splints are devices meant specifically to fit into or on the nose for providing support following nasal surgery. These splints are made of plastic or metal; the material rigidity varies depending on the type of surgery. Nasal splints are divided into intranasal splints and external nasal splints. Intranasal splints are placed into the nose and used to maintain septal stability and prevent intranasal adhesions following septal surgery. External nasal splints are placed on the outside part of nose and used to prevent nose from moving following rhinoplasty or nasal contouring procedures.

- **Anesthesia And Respiratory Devices**

The anesthesia and respiratory devices (or) equipment market consists of sales of anesthesia and respiratory devices and related services by entities that produce anesthesia and respiratory devices used in diagnosis and treatment of respiratory diseases. This industry includes establishments that produce respiratory devices used to provide medication in medical conditions such as asthma, cystic fibrosis, acute respiratory distress syndrome and others.

Anesthesia and respiratory devices market is further segmented into respiratory devices and equipment (therapeutic and diagnostic), anesthesia machines, anesthesia disposables and respiratory disposables.

- **Respiratory Devices And Equipment (Therapeutic And Diagnostic)**

The respiratory devices (or) equipment (therapeutic and diagnostic) market consists of sales of respiratory devices (therapeutic and diagnostic) and related services by entities that produce respiratory devices (therapeutic and diagnostic). Respiratory devices are used to provide medication or assist a patient who is having difficulty in breathing and cannot achieve adequate oxygen levels to maintain life. Patients with respiratory disorders such as asthma, cystic fibrosis, chronic obstructive pulmonary disease, and acute respiratory distress syndrome require respiratory devices.

- **Anesthesia Machines**

The anesthesia machines market consists of sales of anesthesia machines and related services by entities that produce anesthesia machines such as intermittent anesthesia machines, continuous anesthesia machines, all-in-one type of anesthesia machines, portable anesthesia machines, high-flow type anesthesia machines, low-flow type anesthesia machines, pediatric anesthesia machines, adult anesthesia machines air-type anesthesia machines, cycle closed type anesthesia machines, and direct-flow type anesthesia machines.

- **Anesthesia Disposables**

The anesthesia disposables market consists of sales of anesthesia disposables and related services by entities that produce anesthesia disposables such as airway management devices and accessories, anesthesia breathing circuits, anesthesia masks, laryngoscope blades and handles, and pain management devices.

- **Respiratory Disposables**

The respiratory disposables market consists of sales of respiratory disposables and related services by entities that produce respiratory disposables such as respiratory therapeutic devices, respiratory diagnostic devices, disposable resuscitators, disposable masks, nasal cannulas, tracheostomy tubes, and other consumables and accessories.

- **Neurology Devices**

The neurology devices (or) equipment market consists of sales of neurology devices and related services by entities that produce neurology devices to diagnose and treat neurological diseases. This industry includes establishments that produce shunts and external drainage systems under cerebrospinal fluid management (CSF) devices to treat medical condition such as hydrocephalus. It also consists of interventional neurology devices to treat neurovascular diseases and neurosurgery devices.

Neurology devices market is further segmented into cerebrospinal fluid management (CSF) devices and equipment, interventional neurology devices and equipment, neurosurgery devices and equipment and neurostimulation devices.

- **Cerebrospinal Fluid Management (CSF) Devices And Equipment**

The cerebrospinal fluid (CSF) management devices (or) equipment market consists of sales of cerebrospinal fluid (CSF) management devices and related services by entities that produce cerebrospinal fluid (CSF) management devices. CSF devices are used in the treatment of hydrocephalus, a condition of excessive accumulation of CSF within the head. Based on the product type, these devices are classified into CSF shunts and CSF drainage systems.

- **Interventional Neurology Devices And Equipment**

The interventional neurology devices (or) equipment market consists of sales of interventional neurology devices and related services by entities that produce interventional neurology devices to treat neurovascular diseases such as aneurysms, arteriovenous malformations, cavernous malformations and stroke. Based on the product type, these devices are classified into aneurysm coiling & embolization devices, support devices, cerebral balloon angioplasty & stenting systems and neurothrombectomy devices.

- **Neurosurgery Devices And Equipment**

The neurosurgery devices (or) equipment market consists of sales of neurosurgery devices and related services by entities that produce neurosurgery devices. Neurosurgery devices are used to perform neurosurgical procedures that are concerned with diagnosis, prevention and treatment of disorders affecting any portion of the nervous system. Products include neurosurgical navigation systems, embolization devices, stereotactic devices, intracranial shunts, surgical clips, endoscopic devices, stereotactic radiosurgery systems, aneurysm and AVM clips.

- **Neurostimulation Devices**

The neurostimulation devices (or) equipment market consists of sales of neurostimulation devices and related services by entities that produce neurostimulation devices. Neurostimulation devices are implantable and programmable medical devices which send low voltage electricity to a specific nerve or target in the spinal cord or brain to affect the neuronal transmissions. This procedure is used to treat or to modulate motor functions in conditions such as neuropathic pain, chronic pain, major treatment resistant depression, Parkinson's disease, epilepsy, incontinence, gastroparesis and essential tremor.

- **Wound Care Devices**

The wound care devices (or) equipment market consists of sales of wound care devices and related services by entities that produce wound care devices which prevent wound infections and promote wound healing. This industry includes establishments that produce traditional adhesive dressing and traditional gauze dressings used to prevent wound infections. It also includes establishments manufacturing negative-pressure wound therapy devices that uses NPWT technique to promote chronic wound healing and other advanced wound care devices.

Wound care devices market is further segmented into traditional adhesive dressings, negative-pressure wound therapy (NPWT), traditional gauze dressings and advanced wound care devices.

- **Traditional Adhesive Dressings**

The traditional adhesive dressings market consists of sales of traditional adhesive dressings and related services by entities that produce traditional adhesive dressings. Traditional adhesive dressings are used to prevent infection and promote healing of wounds.

- **Negative-Pressure Wound Therapy (NPWT)**

The negative-pressure wound therapy (NPWT) devices market consists of sales of negative-pressure wound therapy (NPWT) devices and related services by entities that produce negative-pressure wound therapy (NPWT) devices. NPWT is a therapeutic technique using a vacuum dressing to promote healing in acute or chronic wounds and enhance healing of second- and third-degree burns.

- **Traditional Gauze Dressings**

The traditional gauze dressings market consists of sales of traditional gauze dressings and related services by entities that produce traditional gauze dressings that are used to prevent infection and promote healing of wounds.

- **Advanced Wound Care Devices**

The advanced wound care devices market consists of sales of advanced wound care devices and related services by entities that produce advanced wound care devices. This includes products such as Negative-pressure wound therapy (NPWT), Xenograft and others.

Medical Equipment Market Trends And Strategies

Major trends shaping the medical equipment market include the following –

Self-Diagnosis/Treatment Is Increasing

Use of medical devices for homebased diagnosis and treatment of medical conditions is increasing. Technological developments in devices such as glucose monitors, insulin delivery devices, nebulizers and oxygen concentrators have enabled diagnosis and monitoring of many diseases at home. Remote monitoring technology is also allowing healthcare professionals to support home based treatments which is leading to preference for home and self-care treatment.ⁱ

Medical equipment companies should invest in self-diagnosis devices R&D to stay relevant and competitive in the market.

Technology And Analytics In Patient Care

Device performance and patient data is available to healthcare service providers and is helping them to improve patient monitoring and overall care quality. Some companies are integrating medical device data with EMR (Electronic Medical Records) to improve transparency and collaboration. As consumer wearables are becoming more common, patient data volumes are increasing and companies are investing in deploying data management, warehousing and security technologies. For example, Medtronic launched a tool to augment their cardiac devices to securely transfer device data to doctors and allow them to monitor the critical health indicators of their patients.ⁱⁱ

Medical companies should focus on developing and deploying technologies to capture and analyze data from their medical devices.

Wearables And Mobile Applications

Health monitors, glasses, wearables and mobile apps have received huge investments from medical device manufacturers, technology companies and other investors. These devices are marketed to track personal health, and can be critical tools to monitor chronic illnesses and safety of children and the elderly. For example, AliveCor ECG health monitor tool uses AliveCor's app and AliveECG to monitor individuals with suspected or diagnosed heart conditions to immediately record and store ECGs(Electrocardiograms).ⁱⁱⁱ

Medical device companies should collaborate with technology companies to develop and market devices to monitor and track the health of individuals.

Hybrid Imaging Technology

Diagnostic equipment manufacturers are combining multiple imaging technologies for better localization, improved detection rate and various other advantages. Hybrid imaging includes fusion of two or more imaging modalities for developing a new technique. Various hybrid imaging techniques being used include single-photon emission computed tomography (SPECT)/CT, positron emission tomography/computed tomography (PET/CT), ultrasound and MR, and ultrasound and CT. These technologies also offer assistance in surgical approach and thereby decreasing time for surgical procedures and anesthesia, resulting in reduced morbidity and costs.^{iv v vi} Major companies manufacturing hybrid imaging diagnostic equipment are Siemens Healthcare, Philips Healthcare and Mediso.^{vii}

Companies should consider adopting hybrid imaging technology to improve devices' operational efficiency and also to capitalize on their growing popularity.

Low Ionizing Radiation

Diagnostic equipment manufacturers are increasingly developing devices with low ionizing radiation to reduce harmful effects of radiation exposure on patients and technicians operating these devices. Ionizing radiation is a form of energy that is released in the form of electromagnetic waves or particles. Furthermore, shift from analog to digital systems is further helping in controlling the amount of radiation exposure from diagnostic equipment.

Diagnostic equipment manufacturers should consider developing low radiation devices to limit the radiation exposure to patients as well as technicians.

Medical Equipment Market Historic Growth

Global medical equipment market was worth \$456.7 billion in 2020. In terms of per capita consumption, the market was \$59.6 and in terms of global GDP, the market was 0.54%. In-vitro diagnostics was the largest segment within the medical equipment market accounting for 15.7% followed by cardiovascular devices at 10.2% and orthopedic devices at 9.3%.

The chart and table below show the year-on-year growth of the global medical equipment market during 2015-2020.

Figure 1: Global Medical Equipment Market, Historic Market Size, 2015-2020, \$ Billion

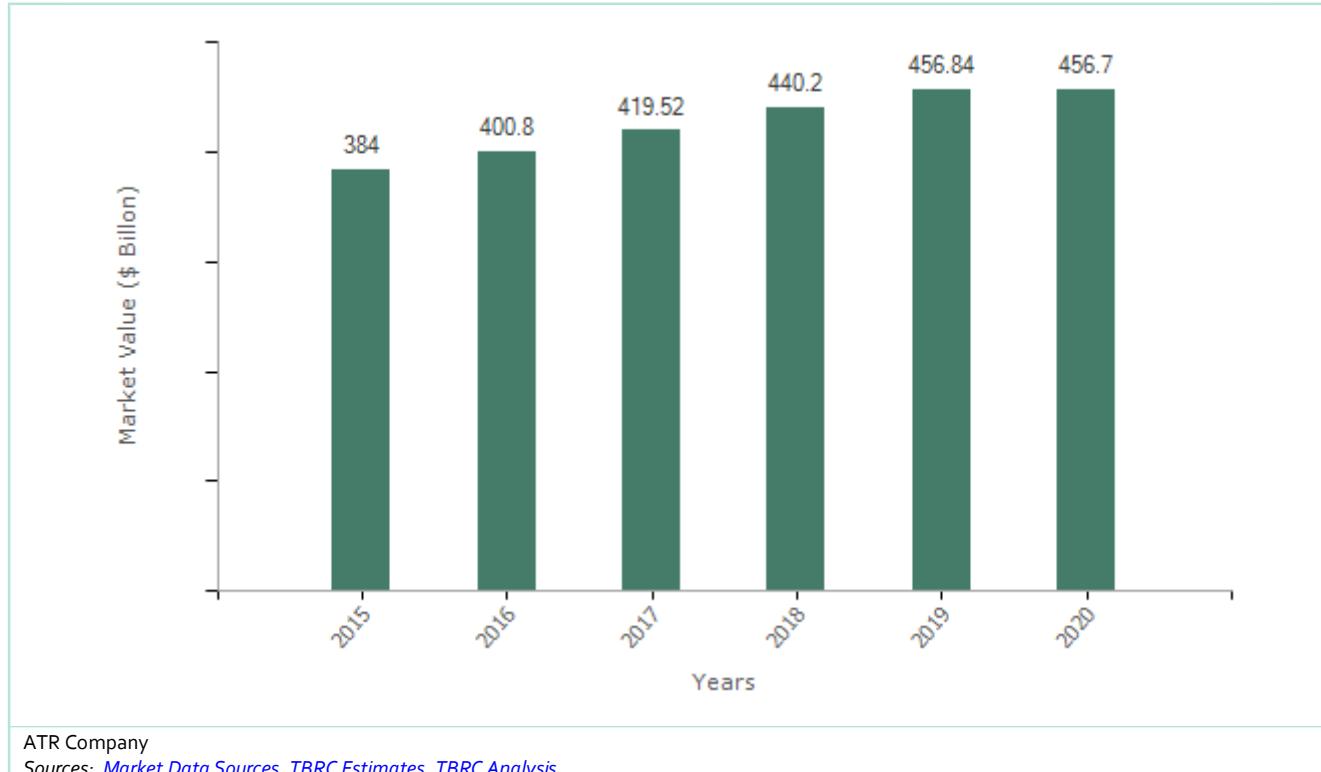


Table 1: Global Medical Equipment Market, Historic Market Size, 2015-2020, \$ Billion

Market	2015	2016	2017	2018	2019	2020	CAGR
Medical Equipment	384	400.8	419.52	440.2	456.84	456.7	3.53%

ATR Company

Sources: [Market Data Sources](#), [TBRC Estimates](#), [TBRC Analysis](#)

The global medical equipment market grew from \$384 billion in 2015 to \$456.7 billion in 2020 at a compound annual growth rate (CAGR) of 3.53%.

Drivers Of The Market

Rapid Growth In Elderly Population – The increase in patient pool due to rising geriatric population globally, contributed significantly to the growth of the medical equipment market during the historic period. According to the Population Reference Bureau, the share of population over the age of 65 in the global population increased from 8% in 2015 to 9% in 2019. The global population aged 65 years or over was 703 million in 2019. This rise in the geriatric population increased the demand for medical care and drove the healthcare expenditure. For instance, in 2017, half of the Dutch healthcare budget was spent on elderly over 65. These factors increased the demand for these products and drove the market during the historic period.^{viii}

Strong Economic Growth In Emerging Markets – The medical equipment market was mainly driven by rapid growth in emerging markets in the historic period. Emerging markets growth was aided by rising disposable income, stable political environment and increasing foreign investments in these countries. For instance, according to the IMF, China's GDP grew from \$11 trillion in 2015 to \$13.6 trillion in 2018. Additionally, according to the World Economic Outlook Reports by the IMF, emerging markets and developing economies together registered a growth of 4.0% in 2015 and this increased to 4.5% in 2018. Thus, strong economic growth boosted the demand for medical equipment and this drove the market during the historic period.^{ix}

Restraints On The Market

Government Regulations – Regulatory changes are likely to lead to increased costs relating to new product development and service offerings to clients. These changes are related to customer data protection such as the European Union's General Data Protection Regulation (GDPR), changes to equipment approval procedures and other regulatory changes. For instance, according to a report by Ernst and Young in 2018, Fortune 500 companies are spending \$7.8 billion to comply with GDPR regulations. The GDPR regulation is an EU law on data protection and privacy of individuals residing the European Union and the European Economic Area (EEA). It also regulates the export of personal data outside the EU and EEA areas. Additionally, the FDA is requesting more clinical data to support claims, therefore increasing the time to process 510(k)s by over 55% over the last decade. ^x The potential loss of revenue due to delays in product release and additional costs incurred due to stringent approval processes puts strain to investments relating to new product development, thereby affecting the growth of the medical equipment market.

Skilled Workforces Shortages – The medical equipment market was limited by shortage of skilled workforce in most developed and developing countries, during the historic period. Equipment fabrication and integration require specialized skillsets relating to life sciences, pharmaceuticals, electronics and software. These skillsets are available to a limited number of organizations, most of which are located in the USA and Europe. This shortage of skilled labor was a significant deterrent to the growth of the market during the historic period.

Medical Equipment Market Forecast Growth

The chart and table below show the year-on-year growth of the global medical equipment market during 2020-2025.

Figure 2: Global Medical Equipment Market, Forecast Market Size, 2020-2025, \$ Billion

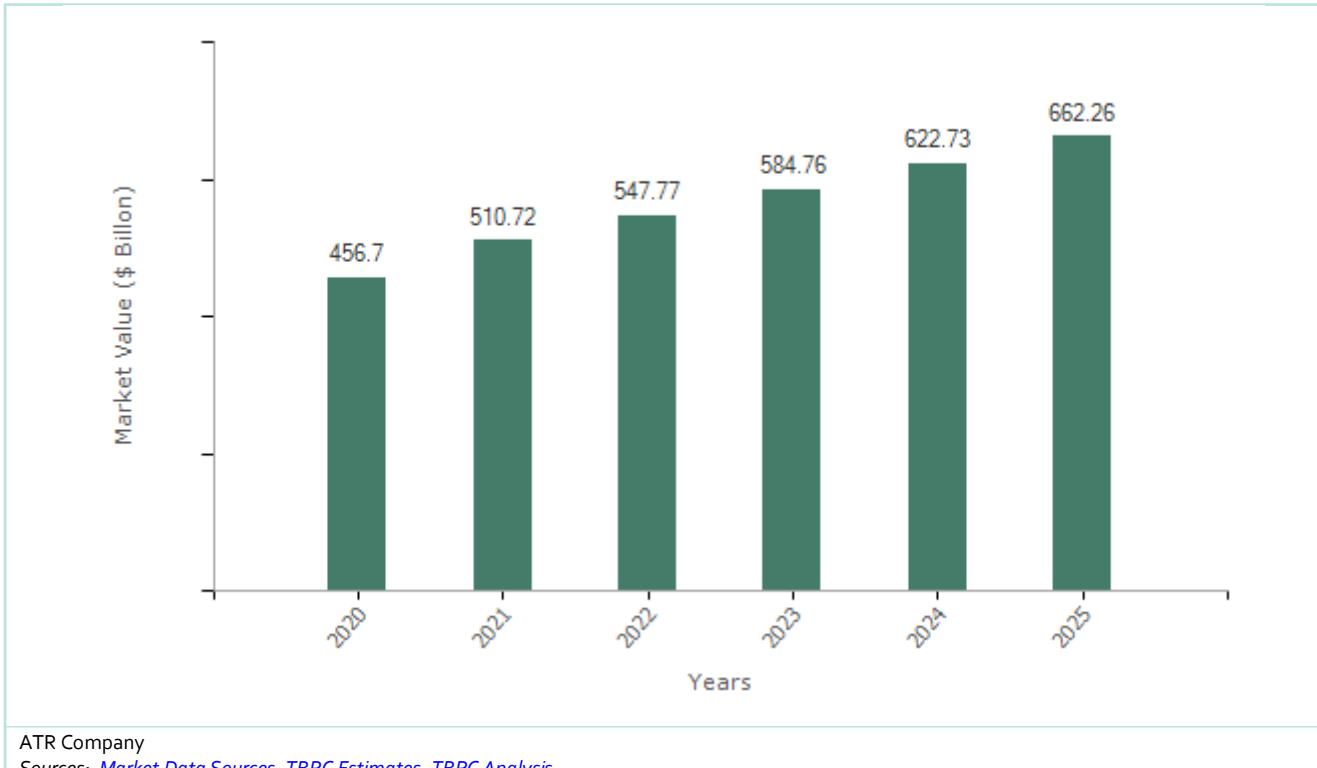


Table 2: Global Medical Equipment Market, Forecast Market Size, 2020-2025, \$ Billion

Market	2020	2021	2022	2023	2024	2025	CAGR
Medical Equipment	456.7	510.72	547.77	584.76	622.73	662.26	7.72%

ATR Company
Sources: [Market Data Sources](#), [TBRC Estimates](#), [TBRC Analysis](#)

The global medical equipment market is expected to grow from \$456.7 billion in 2020 to \$662.26 billion in 2025 at a CAGR of 7.72 %.

Drivers Of The Market

Faster Economic Growth – The medical equipment market growth is expected to be driven by stable economic growth forecasted in many developed and developing countries. The International Monetary Fund (IMF)

predicts that the global GDP growth will be 3.2% in 2019 and 3.5% in 2020. Recovering commodity prices, after a significant decline in the historic period is further expected to aid the market growth. Developed economies are also expected to register stable growth during the forecast period. Additionally, emerging markets are expected to continue to grow slightly faster than the developed markets in the forecast period. For instance, India's GDP is expected to grow at 7.2%, whereas China is forecasted to register GDP growth of 6.0% in 2020. This continued economic growth is expected to be a driver of the medical devices market as greater economic activity will drive usage of medical devices.^{xii}

Advances In Technology – Technology is expected to be a continued driver of market growth during this period. Areas of particular development are likely to be 3D printing, robotics and minimally invasive surgery technologies. For example, ConforMIS iFit image-to-implant technology allows surgeons to 3D print joint replacement implants to suit the needs of each patient's body, thereby reducing the duration of knee replacement surgery as well as patient recovery time.^{xiii} Furthermore, technologies such as artificial intelligence and big data analytics are being used in manufacturing of these devices, this result in higher productivity, lower operating costs and higher margins. Lower operating costs lead to higher margins, this allows companies to increase product portfolio and to enter new markets by making investments made through cost savings.

Busy And Sedentary Lifestyle Risks – The rise in sedentary jobs, busy lifestyles and changing consumer preferences are affecting the disease profile of the world population, especially non-communicable diseases such as cancer, diabetes and cardiovascular diseases. Long working hours, less physical activity, and unhealthy eating and drinking habits are major causes of chronic diseases such as diabetes.^{xiv} According to the World Health Organization, chronic disease prevalence is expected to rise by 57% globally, by the year 2020.^{xv} This is increasing the demand for medical devices used in diagnosis, prognosis and treatment of a number of diseases, thereby driving the demand for medical equipment. These factors are expected to increase the patient pool globally, thereby driving the market during the forecast period.

Restraints On The Market

Rise In Interest Rates –Interest rates globally are forecasted to rise in most of the developing and developed economies, during the forecast period; this is expected to limit new investments in the market. Most countries across the world are raising interest rates to control inflation and also to limit the flow of capital out of the country. This is likely to affect new investments in terms of expansion, research and development of new products. For instance, the US interest rates are expected to rise up to 3.5% by 2021.^{xvi} These factors are expected to have a negative impact on the market as borrowing money becomes expensive, thereby affecting the market growth.

Challenges Due To Regulatory Changes – Regulatory changes are likely to lead to increased costs relating to new product development and service offerings to clients. These regulations include changes to equipment approval procedures and others. For instance, the United States Food and Drug Administration is requesting more clinical data to support claims, therefore increasing the time to process 510(k)s by over 55% over the last decade.^{xvii} The potential loss of revenue due to delays in product release and additional costs incurred due to stringent approval processes puts strain to investments relating to new product development, thereby affecting the growth of the market.

Coronavirus Pandemic: The outbreak of Coronavirus disease (COVID-19) has acted as a restraint on the medical equipment market in 2020 as supply chains were disrupted due to trade restrictions and healthcare organizations faced difficulties in acquiring new medical equipment. COVID 19 is an infectious disease with flu-like symptoms including fever, cough, and difficulty in breathing. The virus was first identified in 2019 in Wuhan, Hubei province of the People's Republic of China and spread globally including Western Europe, North America and Asia. Steps by national governments to contain the transmission have resulted in a decline in manufacture and trade of medical equipment with countries entering a state of 'lock down' and the outbreak is expected to continue to have a negative impact on businesses throughout 2020 and into 2021. However, it is expected that the medical equipment market will recover from the shock across the forecast period as it is a 'black swan' event and not related to ongoing or fundamental weaknesses in the market or the global economy.

Medical Equipment Market Competitive Landscape

The figure below displays competitor shares of the top companies in the medical equipment market. The market for medical equipment is highly fragmented. The top ten competitors in the medical equipment market made up 32.48% of the total market in 2020. Major players in the market are Medtronic Inc., Abbott Laboratories, Johnson & Johnson, Cardinal Health, Inc., Becton dickinson.

Medtronic Inc. was the largest competitor with 5.73% of the market followed by Abbott Laboratories with 4.12%, and Johnson & Johnson with 3.84%, and Cardinal Health, Inc. with 3.08%, and Becton dickinson with 3.07%, and Siemens AG with 2.98%, and STRYKER CORPORATION with 2.92%, and Koninklijke Philips N.V. with 2.37%, and F. Hoffmann-La Roche Ltd. with 2.25%, and Boston Scientific Corporation with 2.12%.

Figure 3: Global Medical Equipment Key Competitor Estimated Market Shares, 2020, Percentage (%)

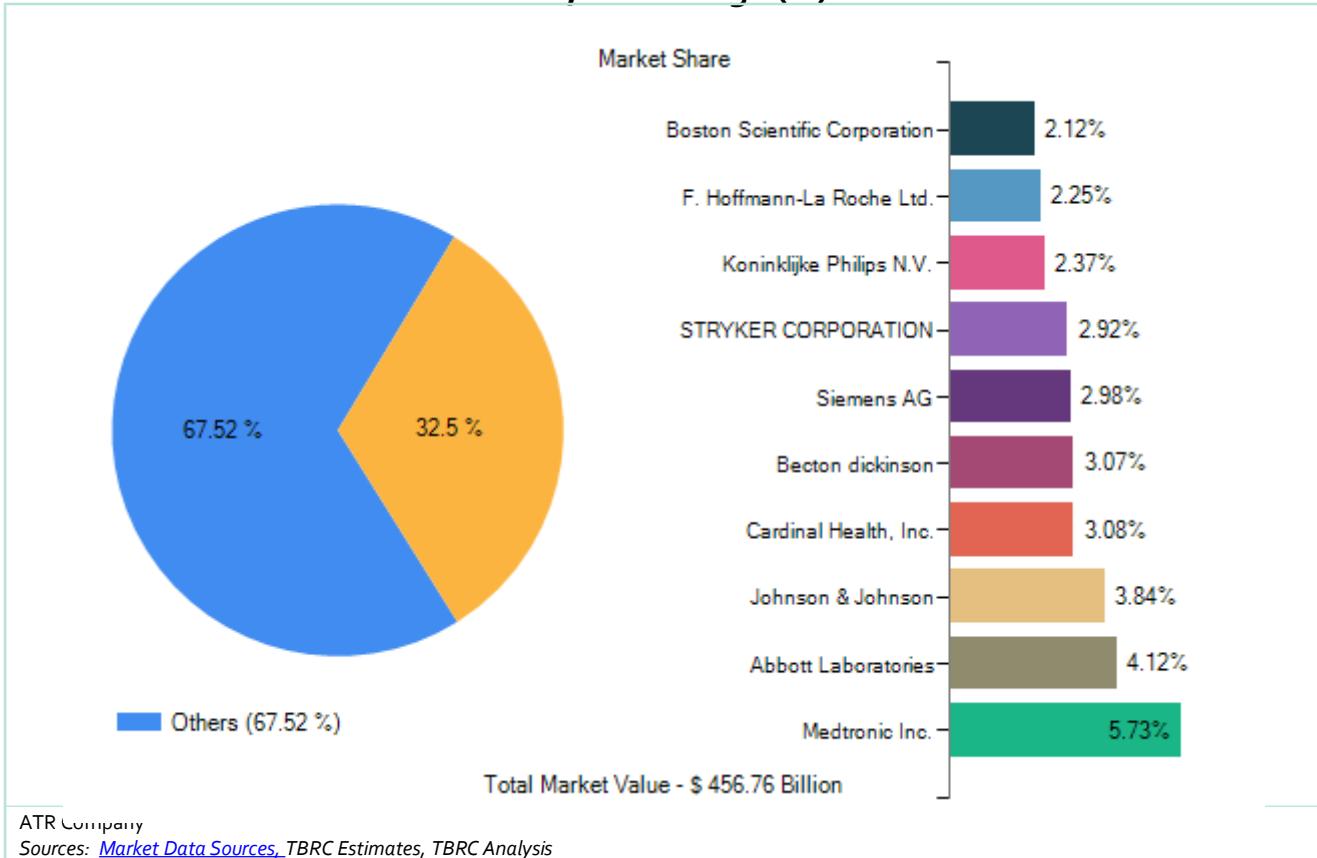


Table 3: Global Medical Equipment Market, Key Competitors Estimated Market Shares, 2020, Percentage (%)

Company	Market Share	Revenue (\$ Billion)
Medtronic Inc.	5.73%	\$26.15
Abbott Laboratories	4.12%	\$18.81
Johnson & Johnson	3.84%	\$17.56
Cardinal Health, Inc.	3.08%	\$14.05
Becton dickinson	3.07%	\$14.02
Siemens AG	2.98%	\$13.62
STRYKER CORPORATION	2.92%	\$13.36
Koninklijke Philips N.V.	2.37%	\$10.84
F. Hoffmann-La Roche Ltd.	2.25%	\$10.26
Boston Scientific Corporation	2.12%	\$9.69
Others	67.52%	\$308.40

ATR Company

Sources: [Market Data Sources](#), TBRC Estimates, TBRC Analysis

Medtronic Inc., through their products and services that align to medical equipment market, is estimated to have generated revenues of \$26.15 billion for the financial year 2019, a decrease of -5.3% from the previous year.

Abbott Laboratories, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$18.81 billion for the financial year 2020, an increase of 21.4% from the previous year.

Johnson & Johnson, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$17.56 billion for the financial year 2020, a decrease of -10.6% from the previous year.

Cardinal Health, Inc., through their products and services that align to medical equipment market, is estimated to have generated revenues of \$14.05 billion for the financial year 2019, a decrease of -1.3% from the previous year.

Becton dickinson, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$14.02 billion for the financial year 2020, a decrease of -2.8% from the previous year.

Siemens AG, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$13.62 billion for the financial year 2019, an increase of 8.3% from the previous year.

STRYKER CORPORATION, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$13.36 billion for the financial year 2020, a decrease of -3.4% from the previous year.

Koninklijke Philips N.V., through their products and services that align to medical equipment market, is estimated to have generated revenues of \$10.84 billion for the financial year 2020, an increase of 5.2% from the previous year.

F. Hoffmann-La Roche Ltd., through their products and services that align to medical equipment market, is estimated to have generated revenues of \$10.26 billion for the financial year 2020, a decrease of -7.4% from the previous year.

Boston Scientific Corporation, through their products and services that align to medical equipment market, is estimated to have generated revenues of \$9.69 billion for the financial year 2020, a decrease of -9.1% from the previous year.

Company Profiles

Medtronic Inc.

Company Overview

Medtronic develops, manufactures, and markets device-based medical therapies to hospitals, physicians, and clinicians for the treatment of chronic diseases. The company employs around 86,000 people worldwide and serves hospitals, physicians, clinicians, and patients in more than 150 countries worldwide. Medtronic was founded in 1949 and is headquartered in Dublin, Ireland.

Medtronic Offers Products And Services Across Industries

The company operates through the following business divisions:

The **Cardiac and Vascular Group** division includes Cardiac Rhythm & Heart Failure, Coronary & Structural Heart, and Aortic, Peripheral & Venous subdivisions.

Its Cardiac Rhythm & Heart Failure subdivision manufactures and sells pacemakers, heart monitors, defibrillators, and other products used to diagnose, treat, and manage the heart rhythm disorders and heart failure.

Its Coronary & Structural Heart subdivision offers therapies for the treatment of coronary artery disease and heart valve disorders. Its products include coronary stents and related delivery systems, including a wide range line of balloon angioplasty catheters, guide catheters, and diagnostic catheters.

Its Aortic, Peripheral & Venous subdivision provides a broad range of products and therapies for the treatment of aortic disease. Its products include endovascular stent graft systems, stent, peripheral drug coated balloons and angioplasty systems.

The **Minimally Invasive Therapies Group** division develops minimally invasive treatments for respiratory, gastrointestinal, and renal care. These products are used by hospitals, physicians' offices, and ambulatory care centers.

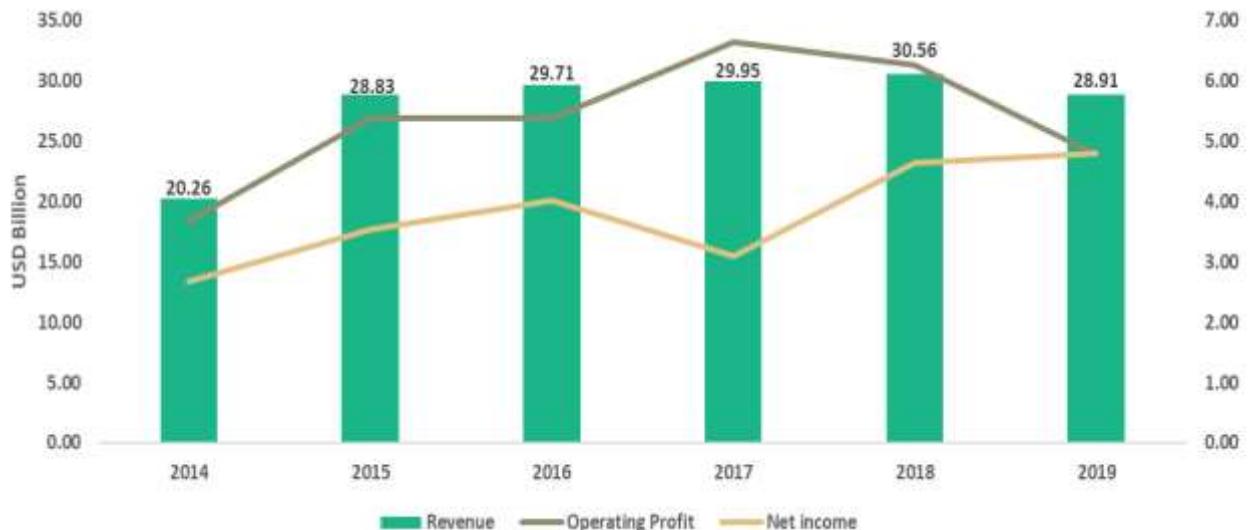
The **Restorative Therapies Group** division manufactures and markets nerve and brain stimulation devices, and implantable drug delivery systems. The company sells these devices to spinal surgeons, neurosurgeons, anesthesiologists, pain management specialists, orthopedic surgeons, and among others.

The **Diabetes Group** division manufactures products such as insulin pump therapy, continuous glucose monitoring for diabetes treatments.^{xvii}

Medtronic Financial Performance

The chart and table below show the financial performance of Medtronic's during 2014 – 2019 (most recent full financial year of results at time of publication).

Figure 4: Medtronic – Financial Performance, \$ Billion



ATR Company

Most recent financial year 1st May 2019 to 24th April 2020.

Sources: Annual Reports^{xviii}, TBRC Estimates, TBRC Analysis

Table 4: Medtronic's – Financial Performance, \$ Billion

Year	2014	2015	2016	2017	2018	2019
Revenue	20.26	28.83	29.71	29.95	30.56	28.91
Operating Profit	3.68	5.38	5.38	6.64	6.27	4.79
Net income	2.68	3.54	4.02	3.10	4.65	4.81

ATR Company

Sources: Annual Reports^{xix}, TBRC Estimates, TBRC Analysis

Medtronic had revenue of \$20.26 billion for the financial year 2014, and \$28.91 billion in 2019. It had a market capitalization of \$ 146.85 billion as of October 2020.^{xx}

Medtronic had operating profit of \$3.68 billion for the financial year 2014, and \$4.79 billion in 2019.

Medtronic had net income of \$2.68 billion for the financial year 2014, and \$4.81 billion in 2019.

Note: All financial data is taken from the latest full year annual report published in 2020.

Abbott Laboratories

Company Overview

Abbott Laboratories is a healthcare company that offers branded generic pharmaceuticals, medical devices, diagnostics, and nutrition products. The company has operations in more than 160 countries and has around 1,03,000 employees worldwide.^{xxi} Abbott was founded in 1888 and is headquartered in Chicago, Illinois, the US.^{xxii}

Abbott Laboratories Offers Products And Services Across Industries

The company operates through the following business divisions:

The **Established Pharmaceutical Products** division provides medicines for gastroenterology, gynecological disorders, cardiovascular diseases, respiratory issues, and influenza.

The **Nutrition Products** division manufactures, markets and sells nutritional drinks for infants, kids, and adults.

The **Diagnostic Products** division offers a wide range of diagnostic systems and tests.

The **Medical Devices** division sells rhythm management, heart failure, vascular, electrophysiology, and structural heart devices for the treatment of cardiovascular diseases and diabetes care products for people with diabetes, as well as neuromodulation devices for the management of chronic pain and movement disorders.

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Abbott Laboratories Financial Performance

The chart and table below show the financial performance of Abbott during 2014 – 2020 (most recent full financial year of results at time of publication)

Figure 5: Abbott – Financial Performance, \$ Billion



ATR Company

Most recent financial year 1st January 2020 to 31st December 2020

Sources: Annual Reports^{xxiv}, TBRC Estimates, TBRC Analysis

Table 5: Abbott – Financial Performance, \$ Billion

Year	2014	2015	2016	2017	2018	2019	2020
Revenue	20.25	20.41	20.85	27.39	30.58	31.90	34.61
Operating Earnings	2.60	2.87	3.03	1.56	3.65	4.53	5.36
Net Earnings	2.28	4.42	1.40	0.48	2.37	3.69	4.50

ATR Company
Sources: Annual Reports^{xxv}, TBRC Estimates, TBRC Analysis

Abbott had revenue of \$20.25 billion for the financial year 2014, and \$34.61 billion in 2020. It had a market capitalization of \$209.07 billion as of March 2021.^{xxvi}

Abbott had operating earnings of \$2.60 billion for the financial year 2014, and \$5.36 billion in 2020.

Abbott had net earnings of \$2.28 billion for the financial year 2014 and \$4.50 billion in 2020.

Note: All financial data is taken from the latest full year annual report published in 2021.

Johnson & Johnson

Company Overview

Johnson & Johnson is a provider of healthcare products. The company is engaged in research and development, manufacture and sale of a range of products in the healthcare field. It was founded in 1886^{xxvii} and has 135,100 employees. J&J is headquartered in New Brunswick, New Jersey, the US.^{xxviii}

J&J Offers Products and Services Across Industries

The company operates through following reportable divisions:

Consumer division includes a broad range of products used in the baby care, oral care, beauty, over-the-counter pharmaceutical, women's health and wound care markets. Its products are marketed to the general public and sold both to retail outlets and distributors throughout the world.

Pharmaceutical division is focused on six therapeutic areas including immunology, infectious diseases and vaccines, neuroscience, oncology, cardiovascular and metabolism, and pulmonary hypertension. It distributes medicines directly to retailers, wholesalers, hospitals and health care professionals for prescription use.

Medical Devices division includes a broad range of products used in the orthopaedic, surgery, cardiovascular, diabetes care and eye health fields. Its products are distributed to wholesalers, hospitals and retailers, and used principally in the professional fields by physicians, nurses, hospitals, eye care professionals and clinics.

J&J Financial Performance

The chart and table below show the financial performance of J&J during 2014 – 2020 (most recent full financial year of results at time of publication).

Figure 6: J&J – Financial Performance, \$ Billion



ATR Company

Most recent financial year 1st January 2020 to 31st December 2020

Sources: Annual Reports^{xxix}, TBRC Estimates, TBRC Analysis

Table 6: J&J – Financial Performance, \$Billion

Year	2014	2015	2016	2017	2018	2019	2020
Revenue	74.33	70.07	71.89	76.45	81.58	82.06	82.58
Operating Income	20.56	19.20	19.80	17.67	18.00	17.33	16.50
Net Income	16.32	15.41	16.54	1.30	5.30	15.12	14.71

ATR Company

Sources: Annual Reports^{xxx}, TBRC Estimates, TBRC Analysis

J&J had revenue of \$74.33 billion for the financial year 2014, and \$82.58 billion in 2020. It had a market capitalization of \$ 422.15 billion as of March 2021.^{xxxi}

J&J had operating income of \$20.56 billion for the financial year 2014, and \$16.50 billion in 2020.

J&J had net income for the year of \$16.32 billion for the financial year 2014, and \$14.71 billion in 2020.

Note: All financial data is taken from the latest full year annual report published in 2021.

Appendix

Market Data Sources

Table 7: Medical Equipment Market Data Sources

Source	URL
National Statistic Offices	https://www.indec.gob.ar/ ; http://www.abs.gov.au/ ; https://www.statistik.at/web_en/ ; https://statbel.fgov.be/en ; https://ww2.ibge.gov.br/home/default.php ; http://www.statcan.gc.ca/ ; http://www.ine.cl ; http://www.stats.gov.cn/english/ ; http://www.dane.gov.co/index.php/en/ ; http://kostat.go.kr/portal/eng/index.action ; https://www.dst.dk/en ; http://www.capmas.gov.eg/?lang=2 ; https://www.tilastokeskus.fi/index_en.html ; https://www.insee.fr/en/accueil ; https://www.destatis.de/EN/Homepage.html ; https://www.censtatd.gov.hk/home/ ; http://mospi.nic.in/# ; https://www.bps.go.id/ ; http://www.cso.ie/en/index.html ; http://www.cbs.gov.il/reader/cw_usr_view_Folder?ID=141 ; http://www.istat.it/en/ ; http://www.stat.go.jp/english/index.htm ; https://www.dosm.gov.my/v1/ ; http://en.www.inegi.org.mx/ ; https://opendata.cbs.nl/statline/#/CBS/en/navigatieScherm/thema?themaNr=5350 ; https://www.stats.govt.nz/ ; http://www.nigerianstat.gov.ng/ ; https://www.ssb.no/en/ ; https://www.inei.gob.pe/ ; http://psa.gov.ph/ ; http://stat.gov.pl/en/ ; https://www.ine.pt/xportal/xmain?xpgid=ine_main&xpid=INE ; http://www.insse.ro/cms/en/ ; http://www.gks.ru/wps/wcm/connect/rosstat_main/rosstat/en/main/ ; https://www.singstat.gov.sg/ ; https://www.stats.gov.sa ; http://www.statssa.gov.za/ ; https://www.czso.cz/csu/czso/home ; http://www.ine.es/en/welcome.shtml ; http://www.scb.se/en/ ; https://www.bfs.admin.ch/bfs/en/home.html ; http://web.nso.go.th/ ; http://www.turkstat.gov.tr/Start.do;jsessionid=nZhGhvpt3DQ7vWJt3c8HcMJGXjhyhPNh24yPpJzbnRFKwqHLGWrq!-270508800 ; http://fcsa.gov.ae/en-us ; https://www.ons.gov.uk/ ; https://census.gov/ ; http://www.ine.gov.ve/ ; https://www.gso.gov.vn/Default.aspx?tabid=217
Directorate-General of the European Commission	https://ec.europa.eu/eurostat
World Health Organization	https://www.who.int
International Monetary Fund	https://www.imf.org/external/index.htm
Organisation for Economic Co-operation and Development	http://www.oecd.org/
UN Comtrade Database	https://comtrade.un.org/

ATR Company

NAICS Definition Of The Industry Covered In This Report

Medical Equipment-The medical devices market consists of sales of medical equipment or devices and related services by entities (organizations, sole traders and partnerships) that manufacture medical equipment or devices used in the diagnosis, treatment and monitoring of medical conditions. The medical equipment market is segmented into in-vitro diagnostics; dental equipment and supplies; ophthalmic devices; diagnostic imaging equipment; cardiovascular devices; hospital supplies; surgical equipment; orthopedic devices; patient monitoring devices; diabetes care devices; nephrology and urology devices; ent devices; anesthesia and respiratory devices; neurology devices; wound care devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Nephrology And Urology Devices-The nephrology and urology devices market consists of sales of nephrology and urology devices and related services by entities (organizations, sole traders and partnerships) that produce nephrology and urology devices used in the diagnosis and treatment of kidney and genitourinary diseases. This market is segmented into dialysis devices and equipment; urinary stone treatment devices and equipment; urinary incontinence & pelvic organ prolapse devices and equipment; benign prostatic hyperplasia (BPH) treatment devices and equipment; endoscopy devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Patient Monitoring Devices-The patient monitoring devices market consists sales of patient monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce patient monitoring devices used in monitoring vital health parameters. This market is segmented into fetal and neonatal monitoring devices; weight monitoring and body temperature monitoring devices and equipment; vital parameter monitoring devices and equipment; remote patient monitoring devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Wound Care Devices-The wound care devices market consists of sales of wound care devices and related services by entities (organizations, sole traders and partnerships) that produce wound care devices used to prevent wound infections and promote wound healing. This market is segmented into traditional adhesive dressings; negative-pressure wound therapy (NPWT); traditional gauze dressings; advanced wound care devices.

Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Ophthalmic Devices-The ophthalmic devices market consists of sales of ophthalmic devices and related services by entities (organizations, sole traders and partnerships) that produce ophthalmic devices used in the diagnosis and treatment of eye related diseases. The market is segmented into vision care devices and equipment; cataract surgery devices and equipment; refractive surgery devices and equipment; diagnostic and

monitoring ophthalmic devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Orthopedic Devices-The orthopedic devices market consists of sales of orthopedic devices and related services by entities (organizations, sole traders and partnerships) that produce orthopedic devices used in treating bone abnormalities. This market is segmented into joint reconstruction devices and equipment; spinal surgery devices and equipment; trauma fixation devices and equipment; orthobiologics devices and equipment; arthroscopy devices and equipment; orthopedic braces and support devices and equipment; craniomaxillofacial (CMF) devices and equipment; orthopedic prosthetics; orthopedic accessories. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Surgical Equipment-The surgical equipment market consists of sales of surgical equipment and related services by entities (organizations, sole traders and partnerships) that produce surgical equipment used during surgeries. This market is segmented into surgical sutures and staples; handheld surgical devices and equipment; electrosurgical devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

In-Vitro Diagnostics-The in-vitro diagnostics devices and equipment market consists of sales of in-vitro diagnostic equipment and related services by entities (organizations, sole traders and partnerships) that produce in-vitro diagnostics equipment. In-vitro diagnostics are tests performed on samples collected from human body such as tissues and blood. The in-vitro diagnostics equipment market is segmented into point-of-care diagnostics devices and equipment; immunochemistry diagnostic devices and equipment; clinical chemistry diagnostics devices and equipment; molecular diagnostics devices and equipment; microbiology diagnostic devices and equipment; hemostasis diagnostic devices and equipment; hematology diagnostic devices and equipment; immunohematology diagnostic devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Anesthesia And Respiratory Devices-The anesthesia and respiratory devices market consists of sales of anesthesia and respiratory devices and related services by entities (organizations, sole traders and partnerships) that produce anesthesia and respiratory devices used in diagnosis and treatment of respiratory diseases. This market includes respiratory devices used to provide medication in medical conditions such as asthma, cystic fibrosis, acute respiratory distress syndrome and others. The anesthesia and respiratory devices market is segmented into respiratory devices and equipment (therapeutic and diagnostic); anesthesia machines; anesthesia disposables; respiratory disposables. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Diabetes Care Devices-The diabetes care devices market consists of sales of diabetes care devices and related services by entities (organizations, sole traders and partnerships) that produce diabetes care devices used to monitor and control blood glucose levels in diabetic patients. This market is segmented into blood glucose test strips; insulin pens, syringes, pumps and injectors; lancing devices and equipment; continuous glucose monitoring devices and equipment; blood glucose meters. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Diagnostic Imaging Equipment-The diagnostic imaging equipment market consists of sales of diagnostic imaging equipment and related services by entities (organizations, sole traders and partnerships) that produce diagnostic imaging equipment used in diagnosis of various diseases. The market is segmented into x-ray systems devices and equipment; ultrasound systems devices and equipment; computed tomography (ct) scanners devices and equipment; magnetic resonance imaging systems devices and equipment; cardiovascular monitoring and diagnostic devices and equipment; nuclear imaging devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Neurology Devices-The neurology devices market consists of sales of neurology devices and related services by entities (organizations, sole traders and partnerships) that produce neurology devices to diagnose and treat neurological diseases. This market is segmented into cerebrospinal fluid management (CSF) devices and equipment; interventional neurology devices and equipment; neurosurgery devices and equipment; neurostimulation devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cardiovascular Devices-The cardiovascular devices market consists of sales of cardiovascular devices and related services by entities (organizations, sole traders and partnerships) that produce cardiovascular devices used in diagnosing and treating cardiovascular diseases. The market is segmented into cardiovascular surgery devices and equipment; cardiac rhythm management (CRM) devices and equipment; interventional cardiology devices and equipment; defibrillator devices and equipment; peripheral vascular devices and equipment; prosthetic heart valve devices and equipment; electrophysiology devices and equipment; cardiac assist devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Dental Equipment And Supplies-The dental equipment and supplies market consists of sales of dental equipment and related services by entities (organizations, sole traders and partnerships) that produce dental equipment and supplies. The market is segmented into therapeutic dental equipment; general dental devices and equipment; dental diagnostic imaging devices and equipment; dental surgical devices and equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hospital Supplies-The hospital supplies market consists of sales of hospital supplies and related services by entities (organizations, sole traders and partnerships) that produce hospital supplies. This market is segmented into disposable hospital supplies; sterilization equipment and disinfectants; mobility aids and transportation equipment; operating room equipment. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

ENT Devices-The ENT devices market consists of sales of ENT devices and related services by entities (organizations, sole traders and partnerships) that produce ENT devices used in diagnosis and treatment of ear, nose and throat diseases. This market is segmented into hearing aid devices and equipment; hearing diagnostic devices and equipment; ENT surgical devices and equipment; hearing implants; voice prosthesis devices and equipment; nasal splints. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cardiac Assist Devices And Equipment-The cardiac assist devices and equipment market consists of sales of cardiac assist devices and related services by entities (organizations, sole traders and partnerships) that produce cardiac assist devices. Cardiac assist devices are electromechanical devices that assist in pumping blood from heart to the rest of the body. These devices are used either to partially or completely replace the function of a failing heart. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cardiac Rhythm Management (CRM) Devices And Equipment-The cardiac rhythm management (CRM) devices and equipment market consists of sales of cardiac rhythm management (CRM) devices and related services by entities (organizations, sole traders and partnerships) that produce cardiac rhythm management (CRM) devices. CRM devices are used to manage the heart rate or rhythm by generating electrical impulses or shocks in order to get the heart back to its normal functions. CRM devices are used to treat and manage arrhythmia-related diseases such as cardiac arrests, heart failure or cardiac arrhythmias. These devices include defibrillators, pacemakers and cardiac resynchronization therapy devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Refractive Surgery Devices And Equipment-The refractive surgery devices and equipment market consists of sales of refractive surgery devices and related services by entities (organizations, sole traders and partnerships) that produce refractive surgery devices. Refractive surgery devices are used in refractive error surgeries, a procedure for correcting or improving vision affected by refractive error such as nearsightedness (myopia), farsightedness (hyperopia), presbyopia or astigmatism. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Anesthesia Disposables-The anesthesia disposables market consists of sales of anesthesia disposables and related services by entities (organizations, sole traders and partnerships) that produce anesthesia disposables

such as onetime use anesthesia circuits, anesthesia masks, sample lines, filters/Heat & Moisture Exchangers (HMEs), breathing bag, endotracheal tubes, and laryngeal masks. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Orthobiologics Devices And Equipment-The orthobiologics devices and equipment market consists of sales of orthobiologics devices and related services by entities (organizations, sole traders and partnerships) that produce orthobiologics devices. Orthobiologic devices are implants composed of cells and proteins naturally found in human body that provide accelerated healing by stimulating efficient regrowth of musculoskeletal tissues including bones, cartilage, tendons and ligaments. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Traditional Adhesive Dressings-The traditional adhesive dressings market consists of sales of traditional adhesive dressings and related services by entities (organizations, sole traders and partnerships) that produce traditional adhesive dressings. These products include bandages with adhesives and are used to prevent infection and promote healing of wounds. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Traditional Gauze Dressings-The traditional gauze dressings market consists of sales of traditional gauze dressings and related services by entities (organizations, sole traders and partnerships) that produce traditional gauze dressings. Gauze dressings are made of loosely woven fabric and are used to prevent infection and promote healing of wounds. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Trauma Fixation Devices And Equipment-The trauma fixation devices and equipment market consists of sales of trauma fixation devices and related services by entities (organizations, sole traders and partnerships) that produce trauma fixation devices. Trauma fixation devices are used in the treatment of patients suffering from physical trauma. They include internal fixation devices (plates and screws, intramedullary nails, compression hip screws, and cannulated screws) and external fixation devices (unilateral fixation, circular fixation, and hybrid fixation devices). Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Remote Patient Monitoring Devices And Equipment-The remote patient monitoring devices and equipment market consists of sales of remote patient monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce remote patient monitoring devices. Remote patient monitoring devices allow a patient to use a mobile medical device for undergoing a routine test and send the test data to a healthcare expert in real-time. This market is segmented into cardiac monitors; respiratory monitors; hematological monitors; vital parameter monitors and others. Only goods and services traded between entities

or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Spinal Surgery Devices And Equipment-The spinal surgery devices and equipment market consists of sales of spinal surgery devices and related services by entities (organizations, sole traders and partnerships) that produce spinal surgery devices. These include spinal implants and spinal surgical devices such as thoracic fusion and lumbar fusion devices, spine biologics, cervical fusion devices, vertebral compression fracture treatment devices, spine bone stimulators, non-fusion devices and spinal decompression devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Surgical Sutures And Staples-The surgical sutures and staples market consists of sales of surgical sutures and staples and related services by entities (organizations, sole traders and partnerships) that produce surgical sutures and staples. Surgical sutures and staples are medical devices used by surgeons to hold skin, internal organs, blood vessels or any other tissues together after they have been severed during surgery. Sutures and staples hold incised body parts together until they are completely healed. These devices can be either be absorbable or non-absorbable. An absorbable suture breaks down in tissue and degrades as a wound or incision heals. A non-absorbable suture resists the body's attempt to dissolve it. Non-absorbable sutures must be removed after a surface incision heals. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Vital Parameter Monitoring Devices And Equipment-The vital parameter monitoring devices and equipment market consists of sales of vital parameter monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce vital parameter monitoring devices. Vital parameter monitoring devices are used to monitor critical parameters such as blood pressure, heart rate, and other physiological parameters. This market is segmented into cardiac monitoring devices; neuromonitoring devices; respiratory monitoring devices; hemodynamic monitoring devices; multiparameter monitoring devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Voice Prosthesis Devices And Equipment-The voice prosthesis devices and equipment market consists of sales of voice prosthesis devices and related services by entities (organizations, sole traders and partnerships) that produce voice prosthesis devices. Voice prosthesis devices provide the capability to speak in patients who have undergone laryngectomy (removal of larynx). These devices are placed in the tracheo-esophageal puncture, an opening created between trachea (wind pipe) and esophagus (food pipe) by surgeons. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

X-Ray Systems Devices And Equipment-The X-ray systems devices and equipment market consists of sales of X-ray systems and related services by entities (organizations, sole traders and partnerships) that produce X-

ray systems. X-ray systems are used to capture pictures of areas inside the body for diagnosis of various diseases. The key product types of X-ray systems include general radiography X-ray systems, fluoroscopy X-ray systems, mammography X-ray systems, interventional X-ray systems, and mobile c-arm X-ray systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Arthroscopy Devices And Equipment-The arthroscopy devices and equipment market consists of sales of arthroscopy devices and related services by entities (organizations, sole traders and partnerships) that produce arthroscopy devices. Arthroscopy devices are used in arthroscopy procedures (a minimally invasive procedure) for the diagnosis and treatment of joint problems such as torn cartilage, ACL, and sports related injuries of hip, knee, shoulder, spine, ankle, wrist, and elbow. The key products include arthroscopies, radiofrequency probes, patient positioning systems, fluid management systems, cannula, hand instruments, fixation devices, and accessories. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Magnetic Resonance Imaging Systems Devices And Equipment-The magnetic resonance imaging systems devices and equipment market consists of sales of magnetic resonance imaging systems and related services by entities (organizations, sole traders and partnerships) that produce magnetic resonance imaging systems. Magnetic resonance imaging (MRI) systems are imaging machines used to capture pictures of inflammation or infection, degenerative diseases, musculoskeletal disorders, tumors, and other irregularities that exist in tissues or organs in a body. MRI systems use a fixed or static magnetic field and radio frequency signals to visualize anatomy, tissue characteristics, vascular flow, chemical composition of tissues, and perfusion and diffusion of tissues. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Microbiology Diagnostic Devices And Equipment-The microbiology diagnostics devices and equipment market consists of sales of microbiology diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce microbiology diagnostics devices. Microbiology diagnostics devices are used to diagnose infectious diseases by examining pathogens. These instruments include incubators, autoclave sterilizers, anaerobic culture systems, blood culture systems, gram strainers, microscopes, mass spectrometers, molecular diagnostic instruments, reagents pathogen specific kits and general reagents. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Dialysis Devices And Equipment-The dialysis devices and equipment market consists of sales of dialysis devices and related services by entities (organizations, sole traders and partnerships) that produce dialysis devices. Dialysis devices are used to filter patient's blood by removing waste products such as urea, creatinine and excess water when kidneys fail or are damaged, dysfunctional or missing. This market includes dialyzers, dialysis pumping machines, blood pumps, catheters and tubing kits. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the

factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Electrophysiology Devices And Equipment-The electrophysiology devices and equipment market consists of sales of electrophysiology devices and related services by entities (organizations, sole traders and partnerships) that produce electrophysiology devices. Electrophysiology devices are used in the diagnosis and treatment of heart rhythm disorders through electrical activity. Some of these devices include electrophysiology ablation catheters, electrophysiology diagnostic catheters and electrophysiology lab systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Electrosurgical Devices And Equipment-The electrosurgical devices market consists of sales of electrosurgical devices and related services by entities (organizations, sole traders and partnerships) that produce electrosurgical devices. They are used for cutting, sealing, and coagulating tissue during a variety of open and laparoscopic surgical procedures. Electrosurgical devices include surgical generators and electrosurgical instruments. Surgical generators include radiofrequency, ultrasonic, electrocautery, and argon plasma equipment. Electrosurgical instruments include monopolar, bipolar and ultrasonic instruments. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

General Dental Devices And Equipment-The general dental equipment market consists of sales of general dental equipment and related services by entities (organizations, sole traders and partnerships) that produce general dental equipment and supplies used in dental surgeries. The key products include dental implants, dental crowns, bridges, dental filling caps, orthodontic cases, dentures (false teeth), casting machines, instrument delivery systems, ceramic furnaces, electrosurgical systems, dental chairs, dental light cure equipment, dental hand pieces, and accessories. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Vision Care Devices And Equipment-The vision care devices and equipment market consists of sales of vision care devices and related services by entities (organizations, sole traders and partnerships) that produce vision care devices used to treat eye vision problems. These devices include contact lenses and spectacles. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Anesthesia Machines-The anesthesia machines market consists of sales of anesthesia machines and related services by entities (organizations, sole traders and partnerships) that produce anesthesia machines. Anesthesia machines are used to deliver anesthetic agents and gases to patients for the purpose of introducing and maintaining anesthesia. The different types of anesthesia machines include intermittent anesthesia machines, continuous anesthesia machines, all-in-one type of anesthesia machines, portable anesthesia machines, high-flow type anesthesia machines, low-flow type anesthesia machines, pediatric anesthesia machines, cycle closed type anesthesia machines and direct-flow type anesthesia machines. Only goods and

services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cerebrospinal Fluid Management (CSF) Devices And Equipment-The cerebrospinal fluid (CSF) management devices and equipment market consists of sales of cerebrospinal fluid (CSF) management devices and related services by entities (organizations, sole traders and partnerships) that produce cerebrospinal fluid (CSF) management devices. CSF devices are used in the treatment of hydrocephalus, a condition of excessive accumulation of CSF within the brain. This market is segmented into CSF shunts and CSF drainage systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Craniomaxillofacial (CMF) Devices And Equipment-The craniomaxillofacial (CMF) devices and equipment market consists of sales of craniomaxillofacial (CMF) devices and related services by entities (organizations, sole traders and partnerships) that produce craniomaxillofacial (CMF) devices. Craniomaxillofacial is a special type of orthopedic surgery that focuses completely on the skull and facial disorders. This surgery is generally conducted for the treatment of severe cranial and facial bone injuries. CMF devices include plate and screw fixation devices, flap fixation devices, distraction systems and temporomandibular joint (TMI) replacement devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Diagnostic And Monitoring Ophthalmic Devices And Equipment-The diagnostic and monitoring ophthalmic devices and equipment market consists of sales of diagnostic and monitoring ophthalmic devices and related services by entities (organizations, sole traders and partnerships) that produce diagnostic and monitoring ophthalmic devices. Diagnostic and monitoring ophthalmic devices are used for the diagnosis and monitoring of diseases related to the retina and cornea by measuring affix lenses and refractive errors. These devices also help to identify the power of intra ocular lens (IOLs) and analyze the visual field. Diagnostic and monitoring ophthalmic devices and equipment include ultrasound imaging systems, optical coherence tomography scanners, ophthalmoscopes, corneal topographers, specular microscopes, slit lamps, fundus cameras, anomaloscope, haploscope, ophthalmic lens gauge, stereopsis measuring Instrument, retinoscopes, stereoscope and others. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Benign Prostatic Hyperplasia (BPH) Treatment Devices And Equipment-The benign prostatic hyperplasia (BPH) treatment devices and equipment market consists of sales of benign prostatic hyperplasia (BPH) treatment devices and related services by entities (organizations, sole traders and partnerships) that manufacture benign prostatic hyperplasia (BPH) treatment devices. Benign prostatic hyperplasia or benign prostatic hypertrophy, is a condition of prostate gland enlargement which causes blockade of urethra, the tube that carries urine from the bladder. These devices include prostatic stents and catheter ablation devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Blood Glucose Meters-The blood glucose meters market consists of sales of blood glucose meters and related services by entities (organizations, sole traders and partnerships) that produce blood glucose meters used to measure and display the amount of sugar (glucose) in the blood. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cardiovascular Monitoring And Diagnostic Devices And Equipment-The cardiovascular monitoring and diagnostic devices and equipment market consists of sales of cardiovascular monitoring and diagnostic devices and related services by entities (organizations, sole traders and partnerships) that produce cardiovascular monitoring and diagnostic devices. Cardiovascular monitoring and diagnostic devices are used for the diagnosis, monitoring, and treatment of cardiovascular diseases. The key product types include cardiopulmonary stress testing systems, ECG data management systems, ECG monitoring equipment, ECG stress testing systems, event monitoring systems, and holter monitoring systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cardiovascular Surgery Devices And Equipment-The cardiovascular surgery devices and equipment market consists of sales of cardiovascular surgery devices and related services by entities (organizations, sole traders and partnerships) that produce cardiovascular surgery devices. Cardiovascular surgery devices are used in cardiac surgery and other cardiovascular procedures performed to repair structural defects of the cardiovascular system, damaged or blocked valves and vessels. These devices include perfusion disposables, beating heart surgery systems, cardiopulmonary bypass equipment and cardiac ablation devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Negative-pressure Wound Therapy (NPWT)-The negative-pressure wound therapy (NPWT) devices market consists of sales of negative-pressure wound therapy (NPWT) devices and related services by entities (organizations, sole traders and partnerships) that produce negative-pressure wound therapy (NPWT) devices. NPWT is a therapeutic technique that uses a vacuum dressing to promote healing in acute or chronic wounds and enhances healing of second and third-degree burns. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Peripheral Vascular Devices And Equipment-The peripheral vascular devices and equipment market consists of sales of peripheral vascular devices and related services by entities (organizations, sole traders and partnerships) that produce peripheral vascular devices. Peripheral vascular devices are used to treat peripheral vascular diseases which are slow and progressive blood circulation disorders caused by blockages, narrowing or spasms in blood vessels outside the heart and brain including arteries and veins. Some of these devices include peripheral vascular stents, percutaneous transluminal angioplasty balloons, PTA drug-eluting balloons, embolic protection devices, inferior vena cava filters, Aortic stent grafts, synthetic surgical drafts and peripheral guide wires. Only goods and services traded between entities or sold to end consumers are included.

The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Prosthetic Heart Valve Devices And Equipment-The prosthetic heart valve devices and equipment market consists of sales of prosthetic heart valve devices and related services by entities (organizations, sole traders and partnerships) that produce prosthetic heart valve devices. Prosthetic heart valve devices are artificial heart valves that are implanted in the heart of a patient with valvular heart diseases. Prosthetic heart valve devices include mechanical heart valves, transcatheter heart valves and tissue heart valves. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Therapeutic Dental Equipment-The therapeutic dental equipment market consists of sales of therapeutic dental equipment and related services by entities (organizations, sole traders and partnerships) that produce therapeutic dental equipment and supplies used for the treatment of dental diseases. The key products include dental lasers, soft-tissue laser systems, diode lasers systems, CO₂ lasers systems, YAG laser systems, and all-tissue (hard/soft) laser systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Weight Monitoring And Body Temperature Monitoring Devices And Equipment-The weight monitoring and body temperature monitoring devices and equipment market consists of sales of weight monitoring and body temperature monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce weight monitoring and body temperature monitoring devices. This market is segmented into temperature monitoring devices and weight monitoring devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Interventional Cardiology Devices And Equipment-The interventional cardiology devices and equipment market consists of sales of interventional cardiology devices and related services by entities (organizations, sole traders and partnerships) that produce interventional cardiology devices. Interventional cardiology devices are used in interventional cardiology, a branch of medicine that deals with the catheter based treatment of structural heart diseases. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Orthopedic Accessories -The orthopedic accessories market consists of sales of orthopedic accessories (includes orthopedic reamers) and related services by entities (organizations, sole traders and partnerships) that produce orthopedic accessories. Orthopedic accessories are used to fix or remove implants from the body. Some of the products include bone cements, casting materials, and removal systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Orthopedic Braces And Support Devices And Equipment-The orthopedic braces and support devices and equipment market consists of sales of orthopedic braces and support systems and related services by entities (organizations, sole traders and partnerships) that produce orthopedic braces and support systems. Orthopedic braces and support systems are primarily used in injury prevention, injury rehabilitation, post-operative care and osteoarthritic care. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Fetal And Neonatal Monitoring Devices-The fetal and neonatal monitoring devices market consists of sales of fetal and neonatal monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce fetal and neonatal monitoring devices. Fetal and neonatal monitoring devices are used to assess fetal heart rate and contractions of the uterus during pregnancy and childbirth. This market is segmented into fetal monitoring devices and neonatal monitoring devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Insulin Pens, Syringes, Pumps And Injectors-The insulin pens, syringes, pumps and injectors market consists of sales of insulin pens, syringes, pumps and injectors and related services by entities (organizations, sole traders and partnerships) that produce insulin pens, syringes, pumps and injectors used to administer insulin to control blood glucose levels in diabetic patients. These devices are reusable or disposable tools used to inject desired dose of insulin into the blood of a diabetic patient. This market is segmented into pens; injectors and pumps; syringes. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Sterilization Equipment And Disinfectants-The sterilization equipment and disinfectants market consists of sales of sterilization equipment and disinfectants and related services by entities (organizations, sole traders and partnerships) that produce sterilization equipment and disinfectants. Sterilization equipment and disinfectants are products used to remove or kill microorganisms from the surface of medical equipment and supplies. These products include autoclaves, hot air ovens, filtration and radiation sterilization equipment, and disinfectant chemicals. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Urinary Stone Treatment Devices And Equipment-The urinary stone treatment devices and equipment market consists of sales of urinary stone treatment devices and related services by entities (organizations, sole traders and partnerships) that produce urinary stone treatment devices used in the treatment and management of stones formed in the kidneys and urinary tract. Kidney stones form when urine contains more crystal forming substances such as calcium, uric acid and oxalate. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Respiratory Disposables-The respiratory disposables market consists of sales of respiratory disposables and related services by entities (organizations, sole traders and partnerships) that produce respiratory disposables such as disposable resuscitators, disposable masks, nasal cannulas, tracheostomy tubes, and other consumables and accessories. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Ultrasound Systems Devices And Equipment-The ultrasound systems devices and equipment market consists of sales of ultrasound systems and related services by entities (organizations, sole traders and partnerships) that produce ultrasound systems. Ultrasound systems are machines used to see internal body structures based on the ultrasound application. Ultrasound systems are used in applications such as radiology/general imaging, orthopedic, cardiology, obstetrics/gynecology, vascular, urology, and other applications (breast imaging, hematology, anesthesiology, and emergency care). Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Urinary Incontinence & Pelvic Organ Prolapse Devices And Equipment-The urinary incontinence & pelvic organ prolapse devices and equipment market consists of sales of urinary incontinence & pelvic organ prolapse devices and equipment and related services by entities (organizations, sole traders and partnerships) that manufacture urinary incontinence & pelvic organ prolapse devices and equipment. These devices are used in the treatment of pelvic organ prolapse and urinary incontinence. Urinary incontinence (UI), also known as involuntary urination, is defined as uncontrolled leakage of urine caused due to overactive bladder. Pelvic organ prolapse (POP) is caused because of defects in the supporting structures of the vagina. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Advanced Wound Care Devices-The advanced wound care devices market consists of sales of advanced wound care devices and related services by entities (organizations, sole traders and partnerships) that produce advanced wound care devices and includes products such as Xenograft. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Cataract Surgery Devices And Equipment-The cataract surgery devices and equipment market consists of sales of cataract surgery devices and related services by entities (organizations, sole traders and partnerships) that produce cataract surgery devices. Cataract surgery devices include instruments used for performing cataract surgery in the treatment of cataracts, a condition in which the lens of the eye becomes progressively opaque, resulting in blurred vision. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Clinical Chemistry Diagnostics Devices And Equipment-The clinical chemistry diagnostics devices and equipment market consists of sales of clinical chemistry diagnostics equipment and related services by entities

(organizations, sole traders and partnerships) that produce clinical chemistry diagnostics equipment. Clinical chemistry diagnostics devices are used to analyze body fluids for diagnostic purposes. Clinical chemistry devices include albumin analyzers, immunoassay analyzer, osmometers, bilirubinometers, clinical chemistry analyzers, coagulation analyzers, creatinine analyzers, reagents and other products. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Continuous Glucose Monitoring Devices And Equipment-The continuous glucose monitoring devices and equipment market consists of sales of continuous glucose monitoring devices and related services by entities (organizations, sole traders and partnerships) that produce continuous glucose monitoring devices used to measure glucose levels throughout the day and night. These devices continuously monitor the sugar levels in blood and alert the patient. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Endoscopy Devices And Equipment-The endoscopy devices and equipment market consists of sales of endoscopy devices and related services by entities (organizations, sole traders and partnerships) that manufacture endoscopy devices used to examine the interiors of organs, cavity of the body. These devices enable doctors to view the digestive tract on a screen and help in the diagnosis of medical conditions. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

ENT Surgical Devices And Equipment-The ENT surgical devices and equipment market consists of sales of ENT (ear-nose-throat) surgical devices and related services by entities (organizations, sole traders and partnerships) that produce ENT surgical devices used in ENT surgeries by surgeons and ENT specialists. ENT surgical devices include balloon sinus dilation devices, powered surgical instruments, ENT supplies, radiofrequency devices, ear tubes and handheld instruments including the otology instrument, rhinology instrument, head and neck surgical instrument, laryngeal instrument and other handheld instruments. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Defibrillator Devices And Equipment-The defibrillator devices and equipment market consists of sales of defibrillator devices and related services by entities (organizations, sole traders and partnerships) that produce defibrillator devices. Defibrillator devices are used in the emergency treatment of life-threatening cardiac arrhythmias and abnormal heart rhythms by giving a high electrical energy shock to the heart through the chest wall to restore its normal rhythm function. This market includes implantable cardioverter defibrillators, automatic external defibrillators, advanced life support units, wearable defibrillators and others. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Dental Diagnostic Imaging Devices And Equipment-The dental diagnostic imaging devices and equipment market consists of sales of dental diagnostic imaging equipment and related services by entities (organizations,

sole traders and partnerships) that produce dental diagnostic imaging equipment and supplies. The dental diagnostic imaging devices use technology that creates visual representation of the inner body of tooth for clinical analysis. These devices are used for better analysis of dental problems such as tooth decay, tooth erosion and gum disease. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Handheld Surgical Devices And Equipment-The handheld surgical devices and equipment market consists of sales of handheld surgical devices and related services by entities (organizations, sole traders and partnerships) that produce handheld surgical devices. This market includes handheld devices such as forceps, scalpels, retractors and scissors. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Blood Glucose Test Strips-The blood glucose test strips market consists of sales of blood glucose test strips and related services by entities (organizations, sole traders and partnerships) that produce blood glucose test strips. Blood glucose test strips are used to check glucose levels in patients' blood. The blood glucose test strips market is segmented into glucose dehydrogenase and glucose oxidase. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Joint Reconstruction Devices And Equipment-The joint reconstruction devices and equipment market consists of sales of joint reconstruction devices and related services by entities (organizations, sole traders and partnerships) that produce joint reconstruction devices. Joint reconstruction procedures include shoulder replacement, ankle replacement, hip replacement, elbow replacement, knee replacement and others. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Nasal Splints-The nasal splints market consists of sales of nasal splints and related services by entities (organizations, sole traders and partnerships) that produce nasal splints. Nasal splints are devices meant specifically to fit into or on the nose for providing support following nasal surgery. Nasal splints include intranasal splints and external nasal splints. Intranasal splints are placed into the nose and are used to maintain septal stability and prevent intranasal adhesions following septal surgery. External nasal splints are placed on the outer part of nose and used to prevent the nose from moving following rhinoplasty or nasal contouring procedures. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Nuclear Imaging Devices And Equipment-The nuclear imaging devices and equipment market consists of sales of nuclear imaging devices and related services by entities (organizations, sole traders and partnerships) that produce nuclear imaging devices. Nuclear imaging devices are used in the diagnosis of diseases by using small amounts of radioactive substances in the patients. The key product types include SPECT (single-photon emission computed tomography) systems, (hybrid SPECT and standalone SPECT) and hybrid PET systems. These products are used in a wide range of medical applications including cardiology, obstetrics/gynecology,

vascular, urology, and other medical applications. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Point-of-Care Diagnostics Devices And Equipment-The point-of-care diagnostics devices and equipment market consists of sales of point-of-care diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce point-of-care diagnostics devices. Point-of-care diagnostics devices are designed to aid doctors in performing medical diagnostic testing at or near the point of care, for immediate knowledge on diseases or conditions. Point-of-care diagnostics are classified into glucose and cardiometabolic monitoring kits, infectious diseases testing kits, cardiac and cancer markers. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hearing Implants-The hearing implants market consists of sales of hearing implants and related services by entities (organizations, sole traders and partnerships) that produce hearing implants. Hearing implants are surgically installed devices aimed at improving the hearing capability of a person suffering from severe or profound levels of hearing loss. These devices include cochlear implants, bone anchored hearing aids (BAHA), mid-ear implants, and auditory brainstem implants (ABI). Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hematology Diagnostic Devices And Equipment-The hematology diagnostics devices market consists of sales of hematology diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce hematology diagnostics devices. Hematology diagnostics instruments are used to diagnose diseases related to blood, vascular systems, bone marrow, auto immune disorders and hemostasis. These devices include automated cell counters, red cell indices devices, micro sedimentation centrifuges, or blood volume measuring devices, occult blood tests, platelet aggregometers, erythrocyte sedimentation rate tests, red blood cell enzyme assay kits, glutathione reductase assays and hematology reagents. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Orthopedic Prosthetics-The orthopedic prosthetics market consists of sales of orthopedic prosthetics and related services by entities (organizations, sole traders and partnerships) that produce orthopedic prosthetics devices. Orthopedic prosthetics are artificial devices that replace a missing body part which may be lost through trauma, disease, surgical removal of body appendage, disabling illness or congenital conditions. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Dental Surgical Devices And Equipment-The dental surgical devices and equipment market consists of sales of dental surgical equipment and related services by entities (organizations, sole traders and partnerships) that produce dental surgical equipment and supplies. Dental surgical equipment is used for the treatment of

problems related to dental caries, cavities, tooth decay, periodontitis, gingivitis, oral candidiasis, xerostomia, and other forms of oral cancers and injuries. This market includes examination instruments, retractors, dental handpieces, dental lasers and others. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hemostasis Diagnostic Devices And Equipment-The hemostasis diagnostic devices and equipment market consists of sales of hemostasis diagnostic devices and equipment and related services by entities (organizations, sole traders and partnerships) that manufacture hemostasis diagnostic devices and equipment. Hemostasis is the process of slowing and stopping the blood flow to initiate wound healing after a vascular injury. With the help of hemostasis diagnostic devices the cause of bleeding during surgery can be predicted by identifying any hemostatic defects in patients. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Interventional Neurology Devices And Equipment-The interventional neurology devices and equipment market consists of sales of interventional neurology devices and related services by entities (organizations, sole traders and partnerships) that produce interventional neurology devices used to treat neurovascular diseases such as aneurysms, arteriovenous malformations, cavernous malformations and stroke. This market is segmented into aneurysm coiling & embolization devices; neurothrombectomy devices; angioplasty devices; interventional neurology support devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Mobility Aids And Transportation Equipment-The mobility aids and transportation equipment market consists of sales of mobility aids and transportation equipment and related services by entities (organizations, sole traders and partnerships) that produce mobility aids and transportation equipment. Mobility aids and transportation equipment are medical devices used to transport patients or medical products from one place to another. These equipment include wheelchairs, walkers, crutches and stretchers. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Molecular Diagnostics Devices And Equipment-The molecular diagnostics devices and equipment market consists of sales of molecular diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce molecular diagnostics devices. Molecular diagnostics devices are used to diagnose infectious diseases and perform screening by detecting specific sequences in DNA or RNA. It helps doctors to prescribe more accurate therapeutic interventions in the early stages of a disease. This market is segmented into instruments, reagents and consumables. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Neurostimulation Devices-The neurostimulation devices market consists of sales of neurostimulation devices and related services by entities (organizations, sole traders and partnerships) that produce neurostimulation devices. Neurostimulation devices are implantable and programmable medical devices which send low voltage electricity to a specific nerve or target in the spinal cord or brain to affect the neuronal transmissions. This procedure is used to treat or to modulate motor functions in conditions such as neuropathic pain, chronic pain, major treatment resistant depression, Parkinson's disease, epilepsy, incontinence, gastroparesis and essential tremor. This market is segmented into implantable neurostimulation devices and external neurostimulation devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Neurosurgery Devices And Equipment-The neurosurgery devices and equipment market consists of sales of neurosurgery devices and related services by entities (organizations, sole traders and partnerships) that produce neurosurgery devices. Neurosurgery devices are used to perform neurosurgical procedures that are concerned with diagnosis, prevention and treatment of disorders affecting any portion of the nervous system. This market is segmented into neurosurgical navigation systems; neurosurgical endoscopes; aneurysm clips; stereotactic systems; other neurosurgery devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Operating Room Equipment-The operating room equipment market consists of sales of operating room equipment and related services by entities (organizations, sole traders and partnerships) that produce operating room equipment. Operating room equipment are used during surgery and includes surgical beds, operating tables, operating table accessories, operating room lights, operating room integration systems and equipment management systems. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Respiratory Devices And Equipment (Therapeutic And Diagnostic)-The respiratory devices and equipment (therapeutic and diagnostic) market consists of sales of respiratory devices (therapeutic and diagnostic) and related services by entities (organizations, sole traders and partnerships) that produce respiratory devices (therapeutic and diagnostic). Respiratory devices are used to provide medication or assist a patient who is having difficulty in breathing and cannot achieve adequate oxygen levels to maintain life. Patients with respiratory disorders such as asthma, cystic fibrosis, chronic obstructive pulmonary disease, and acute respiratory distress syndrome require respiratory devices. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Computed Tomography (CT) Scanners Devices And Equipment-The computed tomography (CT) scanners devices and equipment market consists of sales of computed tomography (CT) scanners and related services by entities (organizations, sole traders and partnerships) that produce computed tomography (CT) scanners. Computed tomography (CT) scanners are used in the diagnosis of various diseases including cancer, bone

related diseases, cardiovascular diseases, gynecological diseases, urological diseases, and other diseases. CT scanners use computer-controlled X-rays to create images of the body. The key product types include low end segment (single and dual slice CT scanners), mid end segment (multi slice scanners), and high end slice segment (open versions, and cardiac CT scanners). Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Disposable Hospital Supplies-The disposable hospital supplies market consists of sales of disposable hospital supplies and related services by entities (organizations, sole traders and partnerships) that produce disposable hospital supplies. Disposable hospital supplies are products for one-time use only and include blood glucose test strips, procedure kits and trays, conventional syringes and needles, facemasks, prefilled syringes, isolation gowns and medical gloves. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hearing Aid Devices And Equipment-The hearing aid devices and equipment market consists of sales of hearing aid devices and related services by entities (organizations, sole traders and partnerships) that produce hearing aid devices. Hearing aids are devices designed and developed to improve hearing of people affected by hearing loss. These devices include in-the-ear-hearing aid, receiver-in-the-ear hearing aid, behind-the-ear hearing aid, and canal hearing aids. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Hearing Diagnostic Devices And Equipment-The hearing diagnostic devices and equipment market consists of sales of hearing diagnostic devices and related services by entities (organizations, sole traders and partnerships) that produce hearing diagnostic devices used for testing and evaluating hearing loss. These devices usually consist of an embedded hardware unit connected to a pair of headphones and a test subject feedback button, sometimes controlled by a standard personal computer. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Immunochemistry Diagnostic Devices And Equipment-The immunochemistry diagnostics devices and equipment market consists of sales of immunochemistry diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce immunochemistry diagnostics devices. Immunochemistry diagnostics devices are designed to diagnose diseases or conditions by studying the functions of the immune system through the analysis of the nature of specific proteins, antigens, antibodies and their interaction. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Immunohematology Diagnostic Devices And Equipment-The immunohematology diagnostics devices market consists of sales of immunohematology diagnostics devices and related services by entities (organizations, sole traders and partnerships) that produce immunohematology diagnostics devices. These

devices are used to study the RBC antigens and antibodies associated with blood transfusions. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Lancing Devices And Equipment-The lancing devices and equipment market consists of sales of lancing devices and related services by entities (organizations, sole traders and partnerships) that produce lancing devices. These are devices used to prick the skin to obtain blood sample for testing glucose levels. Only goods and services traded between entities or sold to end consumers are included. The market size for this market is calculated on the basis of the factory gate prices, that is the price that the good is sold at by the maker. It does not include revenues from resales further along the supply chain.

Research Methodology

ATR Company's reports are based on the methodology below.

Data

Our datasets are created using a wide range of proprietary and public sources including leading government bodies, associations, trade journals, market intelligence reports and trade magazines. Data is modelled based on hard data, extrapolation, regression analysis based on known macro data inputs, interpolation between hard figures, comparisons with other geographies and markets, price estimations, and qualitative inputs. Data is triangulated within our unique market data model covering an exhaustive list of 200+ markets across 12 countries and 5 regions. Comparable data is used for sanity check and trend analysis. For example our global market value data is compared to unit sales and price data for the relevant market as well as relevant macro-economic datasets in order to establish validity.

Market Numbers-

Market value is defined as the revenues earned by organizations for products and services within the specified market. The break down by geography is revenue generated within the specific industry by organizations in the specified geography, irrespective of where they are produced.

Competitor Market Share Data

The competitor market share data is intended to represent the companies that gain the most revenues from the given market and the percentage share of the market that they hold. If a company derives most of its revenues from the market, its revenues are given in full. If a large part of the company's revenues come from other markets, only the division of the company which operates in this market is included. Where accurate information is not available on the revenues a company generates from the market its market share is not included, however a profile of the company may still be included if it is a significant competitor in the market.

Analysis

Analysis is drawn from our Consultants' wide range of industry and research experience as well as public and proprietary sources. Consultants are trained in research techniques and ethics by the Market Research Society.

Verification Through Expert Interviews

Every year ATR Company carries out thousands of interviews with senior executives and industry experts across hundreds of markets. Through these interviews we develop our internal understanding of markets and geographies and cross reference our understanding of global markets with expert feedback utilizing 'Delphic' research methodologies.

Referencing

ATR Company prides itself on the quality and validity of its data and analysis. Our unique 'end noted' referencing approach allows the user to trace our market numbers and analysis back to the specific data sources they were derived from.

Note on Currency Conversions –

All currency conversions are done on the basis of 2018 exchange rates.

Abbreviations

Currencies

\$ stands for US Dollar

€ stands for Euro

All other currencies are given with ISO currency codes.

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ATR Company

ATR Company excels in competitor, market and consumer research on a range of industries globally. We have offices in the UK, US and India and consultants in 20+ countries globally. We use advanced secondary and investigative primary research techniques to find business critical information. Typical projects include helping clients find new customers, understand competitors and analyze markets.

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