

Stethoscope Market - Forecasts from 2020 to 2025

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Abstracts

The stethoscope market is projected to grow at a CAGR of 5.06% to reach US\$550.053 million by 2025, from US\$409.053 million in 2019. During the recent decade, the profusion of technological advancements of electronic and digital stethoscopes have aided in the stethoscope market expansion in an unprecedented manner as compared to their traditional counterpart. This has certainly imparted an edge to the stethoscope market. The salient developments that the stethoscopes market has experienced are inclusive of but not limited to, superior digital sound transmission capabilities of digital stethoscopes and their increasing integration in the deployment of telemedicine. Despite certain alternative breakthrough like portable and handheld ultrasound systems, the most preferred device for healthcare professionals to execute a preliminary physical evaluation of patients are stethoscopes. The stethoscope market around the world is expected to witness a meteoric growth during the forecast period due to the increasing demand for the electronic stethoscope.

Additionally, the evident innovation brought about to facilitate auscultation from a safe distance to ensure the safety for healthcare professionals during the CoVID 19 is also another factor that is poised to fuel the growth of the market. Benefit wise, the improved prognosis offered as a result of capabilities like heartbeat recording and amplified playback that is devoid of ambient noise further adds to the factor that is partially responsible for driving the market. These stethoscopes are also made available along with software that empowers the doctors and healthcare workers in general with convenience and swiftness of monitoring the heart rate.

Therefore, the aforementioned aspiration and the need for continuous innovation have given rise to quite a few developments in the stethoscope arena which signals a healthy growth of the stethoscope market during the forecast period. According to the CDC, Heart disease is the leading cause of death for men, women, and people of most racial and ethnic groups in the United States. One person dies every 37 seconds in the United

States from cardiovascular disease. About 647,000 Americans die from heart disease each year—that's 1 in every 4 deaths. In view of the above, digital stethoscope maker Eko with the objective to enable doctors to identify specific, serious heart conditions accurately thereby expediting the diagnosis and treatment for patients offers Duo stethoscope. its Duo stethoscope is claimed to detect 99% sensitivity and 97% specificity in a clinical study. Further, in January 2020, the 510(k) clearance was given by the FDA to its artificial intelligence algorithms intended to help physicians identify atrial fibrillation (AFib) and heart murmurs during a standard physical exam. Moreover, another breakthrough occurred in March 2020, which is the Innovative Remote E-Stethoscope Platform (RESP) created by Strados Labs. This remote, wearable stethoscope can be used for spot-checking and patient wear, reducing the burden on clinicians and bedside nurses. Additionally, physicians and nurses can experience noise fatigue as their hours are extended, and patient ratio increases. Having a patient's breath sounds available for playback and analysis for a fresh set of ears could allow clinicians to more effectively diagnose and treat patients. The Strados System's respiratory solution consists of a small, lightweight, non-invasive stethoscope that records lung sounds and uploads them to a digital clinician portal. During May 2020, the Thinklabs One, the smallest, most powerful electronic stethoscope in the world, joins the stream of innovation that's occurring in response to the COVID-19 pandemic, announcing technological advances that help keep healthcare workers safe during the COVID-19 pandemic by allowing Safe Distance Auscultation™ by featuring features more than 100X amplification, as compared to a traditional acoustic stethoscope. Again, in April 2020, an IIT Bombay startup Ayu Devices developed a digital stethoscope called AyuSynk which also being deployed for remote auscultation. The device allows storing the auscultated sound as part of the health record of the patient and sharing it with other doctors for confirmatory opinion. Back in April 2018, Bothell, a Washington-based Steth IO had announced the launch of its smartphone-based digital stethoscope. The product, also named Steth IO, is built directly into the protective case of a physician's iPhone (models 6 and higher), allowing them to listen to and measure heart rates or lung sounds by running an app and holding the phone up to a patient's chest. Again, in May 2020, Kanata biotech company says it's developed a device that allows doctors and nurses to listen to a patient's heart and lungs while maintaining physical distancing – an innovation that enables important medical treatment while helping to limit the spread of the COVID 19. The system, known as Auscul-X, features six sensors that are attached to a patient's torso. Medical professionals can listen to heart and lung sounds either through earbuds connected to a control module or wirelessly through a smartphone, tablet, or computer. In the same year during January, the launch of Stethee an AI-enabled stethoscope system designed to amplify, filter, record, and analyze heart and lung sound was announced. The product was a strategic partnership between the

ministry, Malaysian Investment Development Authority, Collaborative Research in Engineering, Science and Technology (Crest), and M3DICINE, which was facilitated by the Telemedicine Development Group (TDG). Further, the newly launched, FDA-cleared Stethee Pro features technology to capture and analyze heart and lung sounds and data via Bluetooth, operating around smartphone applications for both Apple iOS and Google Android devices.

Segmentation

By Type

Acoustic Stethoscope

Electronic Stethoscope

By Application

Academics

Cardiology

Fetal

Neonatal

Neurology

Pediatric

By End-User

Academic Institutions

Ambulatory Surgical Centers

Hospitals

Medical Institutions

Paramedical Services

Others

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Italy

Others

The Middle East and Africa

Israel

Saudi Arabia

Others

Asia Pacific

China

Japan

South Korea

India

Others

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