

## Insights10 Analyzed: Transforming Dental Care Through Innovative Imaging Technologies



**Ahmedabad, Gujarat Jul 29, 2024 (Issuewire.com)** - [Insights10](#) is a healthcare-focused market research platform with an objective of supporting data-driven decisions and delivering actionable insights for healthcare and life science organizations. Insights10 platform provides syndicated and customized research reports in healthcare and allied industries such as pharmaceuticals, diseases/therapies, medical devices, digital health, healthcare services, OTC and nutraceuticals, etc. Insights10 currently provides 30,000+ different reports on different topics at a global as well as country-specific level, making it one of the largest collections of syndicated research reports in the Life sciences and Healthcare sector available across the world.

July 25, 2024 - DEXIS, a leading provider of digital imaging solutions, has unveiled a groundbreaking advancement in implant dentistry workflows with the launch of its AI-powered digital ecosystem. This cutting-edge platform seamlessly integrates cutting-edge Cone Beam Computed Tomography (CBCT), intraoral scanning, diagnostics, and treatment planning into a single, cohesive system, empowering clinicians to manage every aspect of an implant case from diagnosis to delivery.

The market for dental imaging devices includes intraoral X-rays, extraoral X-rays, cone beam computed tomography (CBCT) scanners, and dental cameras. X-ray images can be captured either on film, photostimulable phosphor (PSP) plates or direct digital sensors. Other common imaging devices used in dental offices include panoramic and panoramic/cephalometric (pan/ceph) X-ray devices which are used to capture extraoral images either digitally or on film. In addition to X-ray devices, CBCT scanners are also occasionally used to create three-dimensional (3D) models of a patient's jaw bone and teeth,

while intraoral cameras are used to capture images of inside a patient's mouth.

The global dental imaging market is poised for a fantastic increase, fuelled by using a confluence of compelling elements. The rising occurrence of dental problems and technological improvements which include cone beam computed tomography (CBCT) and digital radiography are revolutionizing the sector, imparting better photo best and decreased radiation publicity. Additionally, the increasing demand for beauty dentistry displays a societal shift towards prioritizing oral aesthetics, even as the developing geriatric population is driving the market. Favorable government initiatives aimed at improving get right of entry to dental care, specifically in growing regions, also are contributing to market expansion.

WHO Global Oral Health Status Report 2022, estimated that oral diseases affect close to 3.5 billion people worldwide, with 3 out of 4 people affected living in middle-income countries. Globally, an estimated 2 billion people suffer from caries of permanent teeth and 514 million children suffer from caries of primary teeth. The prevalence of the main oral diseases continues to increase globally with growing urbanization and changes in living conditions. This is primarily due to inadequate exposure to fluoride (in the water supply and oral hygiene products such as toothpaste), availability and affordability of food with high sugar content, and poor access to oral health care services in the community. The marketing of food and beverages high in sugar, as well as tobacco and alcohol, has led to a growing consumption of products that contribute to oral health conditions and other NCDs.

The increasing geriatric population worldwide is poised to significantly influence the dental imaging market, driven by the unique dental care needs of older adults. According to the WHO's, World Population Ageing 2020 report, the global population aged 65 years and older was approximately 727 million in 2020 and is projected to reach 1,500 million by 2050. In the United States, the number of adults aged 65 and older is expected to nearly double, rising from 58.9 million in 2023 to 95 million by 2060, as reported by the U.S. Census Bureau. Similarly, in India, the geriatric population aged 60 and above is anticipated to increase from 101 million in 2023 to 194 million by 2050, according to the United Nations Population Fund (UNFPA).

This demographic shift is critical, as older adults often face a higher prevalence of dental issues, including tooth loss and periodontal diseases. For instance, the American Dental Association reports that over 5 million Americans aged 65 to 74 have lost all their teeth. Such statistics highlight the urgent need for advanced dental imaging solutions to facilitate effective diagnosis and treatment planning tailored to the elderly.

The global dental imaging market is moderately consolidated, with several major players dominating the industry. Some of the top companies in the dental imaging market include Danaher Corporation, Pearl AI, Carestream Health, Planmeca Oy, Sirona Dental Systems, Dentsply Sirona, Vatech Co Ltd, Midmark Corporation, Envista Holdings Corporation, Align Technology, Apteryx Imaging. These companies are driving innovation in the dental imaging market through the development of advanced technologies, such as AI-powered imaging software and cloud-based solutions, to enhance diagnostic capabilities and improve patient outcomes.

Carestream Dental has recently announced a new cloud imaging solution that transforms its imaging systems into connected devices, allowing dental practices to synchronize imaging across various platforms. This innovation is part of their Rx Manager, a cloud-based module designed for electronic prescription management, enhancing the efficiency of dental practices.

Pearl AI, a global leader in dental AI solutions, has been at the forefront of transforming the dental

imaging landscape through strategic partnerships with various platforms. By integrating its cutting-edge AI technology into practice management systems and imaging software, Pearl AI is empowering dental professionals with real-time disease detection capabilities that significantly enhance diagnostic accuracy and patient care. In June 2024, Pearl AI announced a groundbreaking partnership with Ora, a new all-in-one dental practice management platform. By integrating Pearl's pioneering AI technology within Ora's cloud-based platform, Pearl's Second Opinion disease detection capabilities became available as a fully native offering within Ora's dental imaging feature set.

Recalls in the dental imaging market can significantly restrain growth and adoption, impacting both manufacturers and healthcare providers. In March 2023, Dentsply Sirona faced a recall of its X-ray systems due to a malfunction that could cause incorrect radiation dosage. This recall raised concerns about patient safety and led to increased scrutiny from regulatory bodies, affecting the company's reputation and market confidence. The impact of recalls can deter dental practices from adopting new technologies, affecting overall market confidence and innovation.

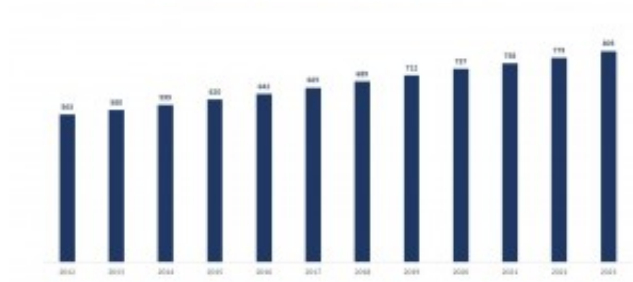
The dental imaging market has seen several significant acquisitions and mergers in recent years as companies aim to expand their product portfolios, increase market share, and enhance technological capabilities. The acquisition of Carestream Dental's Intraoral Scanner Business by Envista Holdings in 2022 was a significant move in the dental imaging market. This \$600 million deal allowed Envista to substantially strengthen its position in the rapidly growing clear aligner and digital dental segments. By integrating Carestream's advanced intraoral scanning technology into its portfolio, Envista expanded its capabilities in digital impression-taking and 3D imaging, which are crucial for modern orthodontic and restorative dental procedures.

The dental imaging market is experiencing a significant shift towards digital technologies, with a strong focus on 3D imaging, particularly Cone Beam Computed Tomography (CBCT). This digital transformation is accompanied by the integration of Artificial Intelligence to enhance diagnostic capabilities and streamline workflows. There's a growing emphasis on developing compact, portable devices that offer high-quality images with lower radiation exposure. Cloud-based solutions for image storage and sharing are becoming more prevalent, facilitating better collaboration among dental professionals. The rising popularity of intraoral scanners, driven by the increasing demand for digital impressions in procedures like clear aligner treatments, is reshaping the market.

Insights10's reports provide in-depth analyses of the market with current trends and future estimations to bring out the most promising investment pockets. Data and insights with similar coverage are available for several other countries, spanning across all major regions of the world.

Country-wise and region-wise reports in the Insights10 repository bring out critical market insights and having considered the qualitative and quantitative industry variables, empower stakeholders with a comprehensive understanding of the industry outlook.

### Growing Geriatric Population



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