

# **Cone Beam Computed Tomography Market Size, Share & Trends Analysis Report By Application (Dental Implantology, Orthodontics), By Patient Position (Seated, Standing Position), By End-use, And Segment Forecasts, 2024 - 2030**

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## **Abstracts**

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### **Cone Beam Computed Tomography Market Growth & Trends**

The global cone beam computed tomography market size is expected to reach USD 1,217.1 million by 2030, registering a CAGR of 9.6% from 2024 to 2030, according to a new report by Grand View Research, Inc. The market is driven by a rise in the volume of digital imaging procedures, especially in the field of dentistry. Dental surgeries and other diagnostic imaging fields are undergoing a digital transformation process with intraoral optical scanners, 3D imaging technologies, and software applications designed for smooth operations of the imaging devices.

Cone beam CT imaging is performed with the help of a rotating platform with the X-ray source and detector and uses a single flat panel. Cone beam computed tomography (CBCT) produces a cone beam of radiation instead of a fan beam. The entire scanning process of the target area is done in a single rotation, hence reducing the radiation exposure significantly. These highly accurate, low radiation dose, and small footprint CBCT systems have transformed daily clinical practices.

As per the American Cancer Society, about 35,000 cases of mouth, tongue, and throat cancers are diagnosed in the U.S. annually, with the average age of most people diagnosed with these cancers is over 60 years. According to the World Dental

Federation, globally, about 30% of people aged 65 to 74 years have natural tooth, and this burden is expected to increase with the aging of the population. The growing incidence rate of such oral diseases in this age group is likely to increase the demand for digital diagnostic imaging in the coming years.

## Cone Beam Computed Tomography Market Report Highlights

Based on application, the dental implantology segment dominated the market and accounted for a share of 26.8% in 2023 as the implants offer patients feasible options for teeth replacement treatments. With the rising R&D in this field, dental implants are available with better biomaterials and improved designs

The orthodontics segment is expected to register the fastest CAGR during the forecast period from 2024 to 2030 as this segment covers complex dental treatments, including misaligned teeth, smile gaps, and crooked teeth

By patient position, the seated position segment accounted for the largest revenue share in 2023 as patients can be still in a seating position than a standing position. CBCT imaging can be done easily in a seating position

In terms of end-use the dental clinics segment dominated the market in 2023 and is likely to witness the fastest growth over the forecast period. Most of the patients prefer visiting clinics due to the availability of specialists, cost efficiency, and improved technology

The North America cone beam computed tomography market accounted for a revenue share of 47.9% in 2023 owing to the factors such as the presence of independent clinics and rising R&D activities in digital imaging. The Asia Pacific cone beam tomography market is expected to grow significantly in the coming years due to the rising awareness about 3D imaging procedures and expanding healthcare infrastructure in the region

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