

Bone Densitometer Systems Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023- 2028)

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Report description:

The bone densitometer systems market is expected to register a CAGR of 3.5% over the forecast period.

The COVID-19 pandemic impacted the bone densitometer systems market significantly. The COVID-19 illness and treatment adversely affected the bone health of surviving patients, affecting the market's growth pace. According to an article published by the National Library of Medicine in April 2022, post-acute sequela of COVID-19 can cause secondary osteoporosis. To help with the early detection and treatment of osteoporosis problems, the bone health status of patients who survived COVID-19 hospitalization was extensively examined at subsequent visits. With the increased number of COVID-19 patients, the early detection of bone density and bone examination increased, leading to increased demand for bone densitometers.

The rising prevalence of osteoarthritis and vitamin deficiencies, increased adoption of bone densitometers, and technological advancements are key factors fueling the bone densitometer systems market growth. For instance, according to an article published by the Arthritis Community Research and Evaluation Unit (ACREU), in 2021 around 15% of Canadians aged 20 years and above had osteoarthritis. The report further stated that more than 4 million Canadians, or about one in every seven adults, have osteoarthritis. The high burden of such disorders is expected to boost the demand for bone densitometer systems for accurate diagnosis, ultimately driving market growth. According to a study published by Climacteric, in January 2022, osteoporosis causes more than 8.9 million fractures annually, resulting in an osteoporotic fracture every 3 seconds, globally. It is estimated that osteoporosis affects 200 million women worldwide.

Additionally, the adoption of bone densitometers by various healthcare providers also contributes to the growth of the market. For instance, in June 2021, the Riverside Clinic in London, part of the Healthshare Group, chose Fujifilm's DXA Solution for the community trial to diagnose osteoporosis.

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Factors such as rising prevalence of osteoarthritis and vitamin deficiencies, increased adoption of bone densitometers and technological advancements are driving the market growth for the bone densitometer systems market. However, risks associated with bone densitometers and the high cost of it may restrain the market growth.

Bone Densitometer Systems Market Trends

Dual Energy X-ray Absorptiometry (DEXA) Segment is Expected to Witness High Growth Over the Forecast Period

In axial bone densitometry, dual-energy X-ray absorptiometry (DEXA) is the most widely used technique for assessing bone density in the body. This device is used for both central and peripheral bone mineral density (BMD) scans and is widely used due to its high precision, easy handling, and safety of usage for adults and children. Dual-energy x-ray absorptiometry (DEXA or DXA) is used to aid in diagnosing osteopenia and osteoporosis. The increasing adoption rate can be attributed to the fulfillment of different requirements of clinicians by dual-energy x-ray absorptiometry, as there is a high prevalence of osteoporosis in the population.

Furthermore, consistent technological developments, such as integrating digital detectors and computer-assisted and ultrasonic densitometers, have been proven to have high comfort, ease of operation, and reduced measuring time. For instance, in February 2022, Echolight Medical and Aurora Spine Corporation engaged in a cooperative co-marketing agreement. Aurora is engaged in developing and manufacturing DEXA Technology-based Spinal Implants, while Echolight is in the business of non-ionizing radiation bone health assessment. Additionally, in January 2022, Beckman Coulter displayed its launched Dxa 5000 Fit workflow-automation system at the 2022 edition of MEDLAB Middle East held at the Dubai World Trade Centre. Hence, all these technological advancements, launches, and partnership strategies are expected to lead to the target market's growth.

Factors such as the increasing adoption rate of Dual-energy x-ray absorptiometry are expected to drive segmental growth in the market during the forecast period.

North America Region is Dominating the Bone Densitometer Systems Market Over the Forecast Period

North America has accounted for a large market share due to the various collaborative efforts undertaken by various regional companies to improve their R&D capabilities and maintain high medical standards, which are expected to propel the demand across this region. The market for bone densitometer systems in the United States is being driven by the increasing use of advanced technology in healthcare systems and the rising burden of chronic diseases in the country. For instance, according to the American Cancer Society's 2022 statistics, it is estimated that in the United States, there are a total of 3,910 new cases of bone and joint cancer, out of which 1,750 are females and 2,160 are males in 2022. Cancer is a significant contributor to bone loss and fractures since cancer cells directly impact the body's skeleton and cancer-specific medicines have adverse effects on bone cells, since the bone densitometer system helps in assessing the risk of fractures, the rising burden of cancer also contributes to the growth of the market in the region.

Additionally, the Burden of Osteoarthritis in Canada, 2021 report, stated that the prevalence of osteoarthritis rises with age. It also reported that more than half (52%) of Canadians who have osteoarthritis are younger than 65. The same source also reported that more than 4 million Canadians, or about 1 in every 7 adults, have osteoarthritis. Therefore, the increased prevalence of chronic diseases increases the demand for accurate diagnosis and a treatment plan that is both efficient and timely from healthcare providers. As a result, the studied market in the region is expected to grow over the coming years.

Furthermore, the market is predicted to grow due to the growing elderly population in the region. For instance, as per Statistics Canada's 2021 census, there were around 7,021,430 people aged 65 years or above, out of which 3,224,680 were males and

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3,796,750 were females. As the aged population is most vulnerable to various age-related bone diseases, the demand for bone densitometer systems at healthcare facilities is anticipated to increase, propelling market growth.

Thus, owing to the factors such as increasing use of advanced technology in healthcare systems and the rising burden of chronic diseases, the studied market in the North American region is expected to project growth over the forecast period.

Bone Densitometer Systems Market Competitor Analysis

The bone densitometer systems market is moderate due to the presence of companies operating globally and regionally. The competitive landscape includes an analysis of international as well as local companies well known including GE Healthcare, Hologic Inc., Beammed Ltd., DMS Imaging, Swissray International, Inc., Xingaoyi Medical Equipment Co. Ltd., Eurotec Medical Systems Srl, Trivitron Healthcare, Scanflex Healthcare AB, Medonica Co. Ltd., OsteoSys Corp, CyberLogic, Inc., MEDILINK, Osteometer MediTech, CompuMed, Inc., Echolight S.p.a, and Eurotec Medical Systems SRL., among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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