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North America Smart Hospital Beds Market Forecast to 2030 – Regional Analysis – by Patient Weight (Less than 70 lb, 70 to 150 lb, 150 to 400 lb, 400 to 500 lb, and Greater than 500 lb), Offering (Products & Accessories, Software & Solutions, and Services), Application (Fall Prevention, Pressure Injury Prevention, Patient Deterioration & Monitoring, and Others), and End User (Hospitals, Clinics & Nursing Homes, Ambulatory Surgical Centers, Medical Laboratories, Long Term Care Centers, and Others)

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Abstracts

The North America smart hospital beds market is expected to grow from US$ 288.24 million in 2022 to US$ 811.58 million by 2030. It is estimated to grow at a CAGR of 13.8% from 2022 to 2030.

Increasing Investments in Healthcare Infrastructure and Advantages of Smart Beds Fuels North America Smart Hospital Beds Market

Automation has led to a reduced dependency on human workforces in many industries. Adopting technologically advanced products has impacted ~90% of the work performed daily by individuals. Technological advancements have abundantly benefitted the healthcare sector, and numerous hi-tech medical devices with embedded control functions are now available for the efficient operation of this sector. Technologically advanced smart beds have become a part of hospitals, nursing care facilities, specialized clinics, and home care facilities. These beds are offered with all essential

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specifications that enable efficient operations of healthcare providers or caregivers. They enable faster recovery of patients by making the necessary movements hassle-free. These beds are also equipped with monitoring systems that can be used to send alerts to nurses. Companies offer smart beds with communication systems that connect directly to nursing departments. Streamlined communications allow nurses to remotely monitor patient conditions and vital functions. In addition, smart beds are now combined with sensors that can be remotely operated. Other advantages of modern smart beds lie in their ability to identify patients' health patterns that keep healthcare providers well informed and assist them in decision-making related to health and intervention.

Other features of smart hospital beds include height adjustment features, smart side rails, and wireless connections. Conventional hospital beds transformed into highly networked devices that use software solutions are categorized as Class II medical devices. With further upgrades in smart bed technologies, these beds are anticipated to deliver research information on different medical and health aspects, perform statistical analysis, and collect data on patients. These potential abilities of smart hospital beds encourage significant investments in the modernization of healthcare infrastructure, leading to the growing demand for smart beds. According to estimates provided by the Organization for Economic Cooperation and Development (OECD) in 2021, OECD member countries are expected to increase their overall healthcare expenditure from 3% in 2018 to 8% by 2030.

North America Smart Hospital Beds Market Overview

The US, Canada, and Mexico are the major contributors to the market growth in this region. The growth of the North America smart hospital beds market in North America is majorly driven by the increasing prevalence of chronic diseases such as stroke, diabetes, and cancer. Additionally, the surging incidence of obesity in the population and rapid growth of the geriatric population is expected to fuel the demand for smart hospital beds in the region in the coming years. The US is the largest market for smart hospital beds in North America. The growth of the North America smart hospital beds market in the US is majorly driven by the increasing prevalence of chronic diseases such as diabetes and cancer, and lifestyle diseases such as obesity; rapid growth of the geriatric population; longer hospital stays after critical surgery procedures; availability of technologically advanced smart hospital beds; and favorable reimbursement policies. Patients suffering from chronic diseases such as cancer, cardiovascular diseases, immune deficiencies, multiple sclerosis, and rheumatoid arthritis need long-term monitoring and treatment. As a result, patients suffering from chronic diseases may

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need to stay in hospitals for long periods. Smart beds gather information on the health status of patients and aid in statistical analysis. This results in increased efficiency and accurate diagnostics for healthcare providers and medical professionals while paving the way to reduce the number of hospital readmissions. Smart beds can create a network of connected devices, mechanical and digital gear, or people with unique identifiers, and they can rapidly transmit data to designated systems.

According to the Centers for Disease Control and Prevention (CDC), in 2021, about 695,000 people in the US died from heart disease, and 1 in 6 deaths from cardiovascular disease was due to stroke. As per CDC, more than 795,000 people in the country suffer from a stroke every year. According to the latest Global Burden of Disease (GBD) data published in 2020, the US has a high prevalence of ischemic heart disease, lung cancer, chronic obstructive pulmonary disease (COPD), stroke, diabetes, Alzheimer's disease, and chronic kidney disease, among others, which can be associated with the increase in the demand for hospitalization and acute care, fueling the North America smart hospital beds market growth.

North America Smart Hospital Beds Market Revenue and Forecast to 2030 (US$ Million)

North America Smart Hospital Beds Market Segmentation

The North America smart hospital beds market is segmented into patient weight, offering, application, end user, and country.

Based on patient weight, the North America smart hospital beds market is segmented into less than 70 lb, 70 to 150 lb, 150 to 400 lb, 400 to 500 lb, and greater than 500 lb. The 400 to 500 lb segment held the largest share of the North America smart hospital beds market in 2022.

Based on offering, the North America smart hospital beds market is segmented into products & accessories, software & solutions, and services. The products & accessories segment held the largest share of the North America smart hospital beds market in 2022.

Based on application, the North America smart hospital beds market is segmented into fall prevention, pressure injury prevention, patient deterioration & monitoring, and others. The fall prevention segment held the largest share of the North America smart hospital beds market in 2022.

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Based on end user, the North America smart hospital beds market is segmented into hospitals, clinics & nursing homes, ambulatory surgical centers, medical laboratories, long term care centers, and others. The hospitals segment held the largest share of the North America smart hospital beds market in 2022.

Based on country, the North America smart hospital beds market is segmented int o the US, Canada, and Mexico. The US dominated the North America smart hospital beds market in 2022.

Arjo AB, Hill-Rom Holdings Inc, Invacare Corp, LINET spol sro, Malvestio SpA, Paramount Bed Co Ltd, Stryker Corp, and Umano Medical Inc are some of the leading companies operating in the North America smart hospital beds market.

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