

Knee-Assist Exosuit Market Intelligence Report Covers Trends, Segments And Regional Growth

The Business Research Company's Knee-Assist Exosuit Market Intelligence Report Covers Trends, Segments And Regional Growth

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/EINPresswire.com/ -- "The [knee-assist exosuit market](#) is experiencing rapid

expansion as advancements in technology and rising healthcare needs continue to drive demand. These wearable devices, designed to support knee movement, are becoming increasingly popular across medical, industrial, and military sectors. Let's explore the market's current size, underlying growth factors, regional dynamics, and the innovations shaping its future.



Expected to grow to \$4.33 billion in 2030 at a compound annual growth rate (CAGR) of 20.4%"

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Projected Growth and Size of the Knee-Assist Exosuit Market

The knee-assist exosuit market has seen significant growth in recent years, with its value expected to climb from \$1.7 billion in 2025 to \$2.06 billion in 2026. This represents an impressive compound annual growth rate (CAGR) of 20.7%. The expansion during this period is largely driven by an

increasing population of orthopedic patients, ongoing technological improvements in robotics, wider adoption by rehabilitation centers, government support for mobility aids, and advances in human biomechanics research. Looking ahead, the market is set to surge further, reaching \$4.33 billion by 2030 with a projected CAGR of 20.4%. This future growth is fueled by rising demand for industrial exosuits, integration of artificial intelligence and the Internet of Things (IoT), growing military use, development of lightweight materials, and expansion of devices designed for home rehabilitation.

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Understanding What Knee-Assist Exosuits Are

Knee-assist exosuits are wearable robotic devices that help support and enhance knee movement during activities like walking, standing, or rehabilitation exercises. They function by providing mechanical assistance to reduce the load on the knee joint, which helps improve mobility and eases rehabilitation for individuals with weakened muscles, injuries, or other mobility issues.

How Increasing Musculoskeletal Disorders Encourage Market Growth

A key factor driving the knee-assist exosuit market is the rising incidence of musculoskeletal disorders (MSDs). These conditions affect muscles, bones, joints, and connective tissues and often result in pain and restricted physical function. Sedentary lifestyles have contributed to weakened muscles and joints, leading to more frequent MSDs. Knee-assist exosuits help by alleviating strain on the knee, enhancing movement support, and aiding recovery to improve mobility and reduce discomfort. For instance, a report from GOV.UK in January 2024 noted that in 2023, 18.4% of people aged 16 and above in the UK reported having a long-term musculoskeletal condition, up from 17.6% in 2022. This upward trend in MSD prevalence is a key growth driver for the knee-assist exosuit market.

View the full knee-assist exosuit market report:

https://www.thebusinessresearchcompany.com/report/knee-assist-exosuit-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Additional Factors Supporting Market Expansion

Beyond the rise in musculoskeletal conditions, factors such as increased rehabilitation center adoption and government funding for mobility aids also contribute to market growth. Technological progress in robotics, especially the integration of smart technologies like AI and IoT, is making these exosuits more effective and appealing. Moreover, the demand for such devices is expanding beyond healthcare to industrial worker support and military applications, further boosting market potential.

Regional Landscape of the Knee-Assist Exosuit Market

In 2025, North America held the largest share of the knee-assist exosuit market, reflecting strong healthcare infrastructure and technological adoption. Meanwhile, the Asia-Pacific region is anticipated to experience the fastest growth over the forecast period. This growth is driven by rising awareness, increasing industrial applications, and expanding healthcare investments. The market analysis also includes key regions such as South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, providing a comprehensive global perspective.

Our 2026 market reports now feature expanded strategic intelligence through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring

matrix graphics and tables, Excel-based dashboards, market hotspots infographics, key technology and future trend analysis, along with updated graphics and tables.

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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