



## Assistive Robots

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### Message from the Guest Editors

Around 15% of the world's population live with some form of disability that significantly affects the quality of life of individuals. With the advancement of science and technology, assistive robots nowadays contribute to many areas, including human augmentation, rehabilitation, mobility assistance, and activities of daily living (ADL) assistance such as ambulating, feeding, dressing, taking medications, grooming, opening/closing a door/drawer, picking/placing an object, exercising, toileting, bathing, transferring, and socializing.

Assistive robots have enormous potential to reduce the dependency of individuals with disabilities on their caregivers/family caregivers and enhance their quality of life. Moreover, such robots can support and relieve caregivers from their work burden and injury resulting from handling people, especially transferring them. According to the most recent reports and data analyses, the global assistive robotics market is estimated to reach USD 25.16 billion in 2028, with a CAGR of 22.1 percent over the forecast period. Recent advances in artificial intelligence (AI) and robotics will likely fuel global revenue growth.





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