

Israel Wheelchair Market, By Product Type (Manual, Powered), By Application (Institutional, Personal), By Category (Adult, Pediatric), By Distribution Channel (Retail Sales, Non-Retail Sales), By Region, Competition, Forecast and Opportunities, 2028

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Abstracts

Israel wheelchair market is expected to show an impressive growth during the forecast period, 2024-2028. The wheelchair market is a rapidly growing industry, the increasing prevalence of disabilities and the aging population, combined with advancements in technology, are among the primary factors which is driving the Israel wheelchair market.

One of the key drivers of the wheelchair market is the rise in the number of people with disabilities in Israel. According to the World Health Organization (WHO), the number of people with disability in Israel is expected to increase as the population ages and as the prevalence of chronic diseases such as diabetes, cardiovascular disease, and obesity continues to rise. As a result, there is a growing demand for mobility aids such as wheelchairs, which can help individuals with disabilities to maintain their independence and improve their quality of life. This demand is driving innovation in the wheelchair market also, as manufacturers develop new and improved products to meet the needs of the growing population with different form of disabilities in Israel.

Advancements in technology are also playing a significant role in driving the wheelchair market. The development of lightweight materials such as carbon fiber has made it possible to create lighter, more maneuverable wheelchairs that are easier to use and more comfortable for users. In addition, advances in battery technology have led to the development of powered wheelchairs that offer greater mobility and independence for users.

The rise of e-commerce is also playing a crucial role in driving the wheelchair market in Israel because most of the medical equipment are exported in the country. Online retailers such as Amazon and Alibaba have made it easier for consumers to purchase wheelchairs and other mobility aids online, which increases accessibility and convenience for users living in Israel as well. This has also made it easier for individuals with disabilities to shop for and compare different wheelchair models, as they can easily access product information and customer reviews online.

The increasing focus on accessibility in public spaces is another driver which is growing the demand for wheelchairs in Israel. Laws and regulations in Israel also focus on disability rights, wherein it is a legal requirement for all the public areas to be handicap accessible. Privately managed institutions are also subjected to this rule. All medical and educational institutions are required to make their buildings completely handicap accessible owing to wheelchair accessibility. Wheelchair users must have easy access to these locations. This has created a demand for wheelchairs that are designed to navigate through narrow doorways and tight spaces, as well as for wheelchair ramps and other accessibility features, thereby increasing the demand for powered wheelchairs for use in public places.

Growing Integration of Automation to Boost the Israel Wheelchair Market

The increasing automation of healthcare equipment, particularly mobility equipment like wheelchairs, is a key factor predicted to drive market expansion in Israel. Modern wheelchairs come equipped with non-linear processing circuits, guidance sensors, pulse steering drive, and several settings to provide patients with a comfortable and smooth ride. Technological advancement is enabling companies to innovate and manufacture products which are efficient and can provide more support to people who is dependent on others for mobility. UPnRIDE Robotics, an Israeli robotics company is focusing to produce wheelchairs for quadriplegics enabling them to move freely in both sitting and standing positions, which will help their mobility in both outdoor and indoor environment. Quadriplegics, paraplegics, the elderly, people suffering from amyotrophic lateral sclerosis (ALS) and people with other mobility-restricting conditions can easily use the device. The company intends to establish distribution and service centers in the US after receiving FDA distribution clearance. In contrast to other standing wheelchairs currently available in the market, UPnRIDE's solution is suitable for both indoor and outdoor settings because, once the user is propelled to a standing position, their center of gravity is maintained within the center of the wheelchair using an auto-balancing mechanism, ensuring the wheelchair is stable. This allows the device to maneuver across a range of surfaces, including sidewalks and slopes. Thus, the integration of

automation in wheelchairs to minimize the human input to perform task and lower the dependency on others for daily needs is expected to boost the market of Israel wheelchairs among the geriatric population of the country.

Rising Rate of Osteoporosis

Due to aging of the population and the changing lifestyle habits, the prevalence of osteoporosis has been rising in Israel from the past few years, which is expected to increase the rate of both the prevalence and incidence of bone related fragility fractures.

According to a paper that was published in PLOS One, a peer-reviewed open access mega journal published by the Public Library of Science, an osteoporosis registry was established in Israel by Maccabi Health, that discovered a rise of 118,141 osteoporosis patients with the possibility that Israel may experience close to 500,000 cases of this disease annually. Some individuals may require the need of a wheelchair depending on the severity of osteoporosis, the use of wheelchair helps in avoiding falls or accidents due to weak bones. Moreover, people suffering from spinal cord injury also require the use of wheelchair for mobility, proper fit, and postural support to the disabled person. With the rising cases of spinal cord injuries in Israel along with increasing incidence of osteoporosis, the demand for the wheelchair among adults, senior citizens and even children is expected to boost the Israel wheelchair market in the forecast period.

Increasing Investment in Artificial Intelligence

In terms of start-ups and medical device patents, Israel is regarded as the global leader in per capita. Over 700 businesses operate in the area, making up 53% of the entire life sciences sector in Israel. Ziv Av Engineering (ZAE) a firm in Israel, helps start-ups make new technologies for people with disabilities. Ziv Av Engineering (ZAE) has cooperated with numerous start-ups and businesses in recent years to create hundreds of medical and biotech devices as a part of its extensive operations for clients like HP, RAFAEL, and Israel aerospace industries. The company concentrates on producing goods that can have an impact on the daily lives of millions of people with physical disabilities worldwide. A range of vibrant plastic wheelchairs made by ZAE as a part of a pro bono project with the humanitarian organization “Wheelchairs of Hope” is already available on the market and is designed for distribution to children with disabilities in underdeveloped nations. The lightweight design of wheelchair complies with WHO standards while also accommodating children's smaller frames, size requirements, and operating more portably than normal wheelchairs.

Taiwanese manufacturing company “Karma Medical Devices and Israeli startup ReSymmetry” teamed up in 2020 for a joint venture to design and produce a smart seating solution for motorized wheelchairs and rehabilitative chairs with an investment of USD 2 million. The two businesses will work together to create and develop a smart robotic seating solution that automatically adjusts the seating position for each disabled user. The device will be incorporated into a variety of rehabilitative items, enabling persons with disabilities to remain mobile while sitting upright.

ReSymmetry works by creating AI-based technology that analyses and recognizes sitting postures using information gathered in real-time from sensors integrated in the system's numerous components. The system then generates a unique programme and instantly corrects any errors.

The phrase 'reinvent the wheel' has been interpreted by another Israeli business in the country. The wheel has been enhanced by Softwheel, a Tel Aviv-based company, enabling wheelchairs and bicycles to glide over obstacles like stairs and bumps with ease. When a wheel experiences an impact that exceeds a certain threshold, the company's 'Selective Suspension Technology' engages, where a cushion effect is produced when the wheel's hub deviates from its normal position, absorbing and reducing the impact on the rider thus avoiding any mishap. Thus, the increasing investment in the startup companies and integration of artificial intelligence to overcome any technical glitches in wheelchair is expected to boost the Israel wheelchair market.

Market Segmentation

Israel wheelchair market is segmented into product type, application, category, distribution channel, regional distribution, and company. Based on product type, the market is segmented into manual and powered. Based on application, the market is segmented into institutional and personal. Based on the category, the market is segmented into adult and pediatric. Based on the distribution channel, the market is segmented into retail sales and non-retail sales. Based on region, the market is segmented into the Mediterranean Coastal Plain, the Central Hills, the Jordan Rift Valley, and the Negev Desert.

Market Players

WHILL Inc. (EZ4U), Permobil AB, CHEMITEC Advanced Medical Solutions (MEYRA GmbH), A.S. Wheelchairs Ltd., R. Shael company, Gal Kel Accessibility Technologies, Colours Wheelchair (Sagol Direct Rehab Ltd.), DS Medix, R-Cure Medical, UPnRIDE

Robotics Ltd. are some of the leading players operating in the Israel wheelchair market.

Report Scope:

In this report, Israel wheelchair market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Israel Wheelchair Market, By Product Type:

Manual

Powered

Israel Wheelchair Market, By Application:

Institutional

Personal

Israel Wheelchair Market, By Category:

Adult

Pediatric

Israel Wheelchair Market, By Distribution Channel:

Retail Sales

Non-Retail Sales

Israel Wheelchair Market, By Region:

The Mediterranean Coastal Plain

The Central Hills

The Jordan Rift Valley

The Negev Desert West

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Israel wheelchair market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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