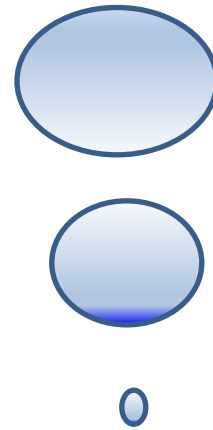


WinterGreen Research, INC.



**Power Wheelchairs and Personal Mobility:
Market Shares, Strategies, and Forecasts,
Worldwide, 2019 to 2025**



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Lexington, Massachusetts

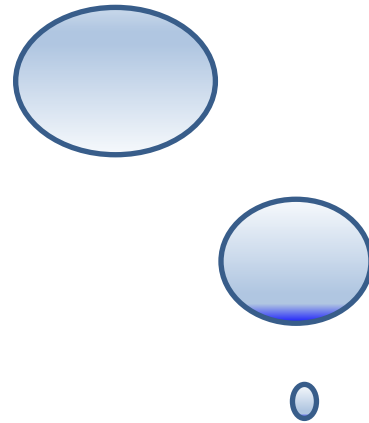
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CHECK OUT THESE KEY TOPICS

Power Wheelchair Markets: Disruptive Technology Expected that will Impact Existing Markets

As self driving wheelchairs and personal vehicles are developed, any company seeking to enter that business must understand the existing markets and demographics of the market. The big changes in the offering have not occurred yet, and a perusal of a review of the existing market shows that many of the market participants and leaders are depending on the sales of products in the existing product line. In order to develop self driving personal vehicles, it is necessary to understand the current state of the market and the current distribution paths.

Power Wheelchair
Self Driving Personal Vehicles
Indoor Maneuverability
Outdoor Mobility
Performance
Center-Wheel Drive
Personal Mobility
Dynamic Suspension
Torque Power Wheelchair

Rehab Seat
Rehab Power Wheelchair
Rear-Wheel Drive
Front-Wheel Drive
Folding Power Wheelchair
Low End Standard Power
Wheelchair
High End Standard Power
Wheelchair

Low End Custom Power
Wheelchair
High End Custom Power
Wheelchair
Clinical Criteria
Marketing Globally

**Power Wheelchair Market Opportunities and Types of Chairs
Front Wheel Drive, Center Wheel Drive, and Rear Wheel Drive:**

Figure 1. Power Wheelchair Market Shares, Dollars, Worldwide, 2018

In Millions of Dollars			
	MM\$	% \$	Units
	2017	2017	2017
	2016	2016	2016
Company 1	XX	XX	XX
Company 2	XX	XX	XX
Company 3	XX	XX	XX
Company 4	XX	XX	XX
Company 5	XX	XX	XX
Company 6	XX	XX	XX
Company 7	XX	XX	XX
Company 8	XX	XX	XX
Company 9	XX	XX	XX
Company 10	XX	XX	XX
Company 11	XX	XX	XX
Company 12	XX	XX	XX
Company 13	XX	XX	XX
Company 14	XX	XX	XX
Total (MM\$)	XX	XX	XX

Source: WinterGreen Research, Inc.

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Power Wheelchair. Front Wheel Drive, Market Shares Units and Dollars, Worldwide, 2018

In Millions of Dollars

	MM\$ 2018	%
Company 1	XX	XX
Company 2	XX	XX
Company 3	XX	XX
Company 4	XX	XX
Company 5	XX	XX
Company 6	XX	XX
Other	XX	XX
Total	XX	XX

Source: WinterGreen Research, Inc.

**Power Wheelchair. Mid-Wheel Drive, Market Shares
Units and Dollars, Worldwide, 2018**
In Millions of Dollars

	Power Wheelchairs MM\$ 2018	%
Company 1	XX	XX
Company 2	XX	XX
Company 3	XX	XX
Company 4	XX	XX
Company 5	XX	XX
Company 6	XX	XX
Company 7	XX	XX
Company 8	XX	XX
Company 9	XX	XX
Company 10	XX	XX
Other	XX	XX
Total	XX	XX

Note:

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Power Wheelchair. Rear Wheel Drive, Market Shares Units and Dollars, Worldwide, 2018 In Millions of Dollars

	Power Wheelchairs MM\$ 2018	%
	XX	XX
Company 1	XX	XX
Company 2	XX	XX
Company 3	XX	XX
Company 4	XX	XX
Company 5	XX	XX
Company 6	XX	XX
Company 7	XX	XX
Company 8	XX	XX
Company 9	XX	XX
Company 10	XX	XX
Other	XX	XX
Total	XX	XX

Note:

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Power Wheelchair Installed Base Market Segments, By Diagnosis, Units, Worldwide, 2019-2025

In Thousands of Units

	2018	2019	2020	2021	2022	2023	2024	2025
Installed Base Power Wheelchair Units (000)	xx	xx	xx	xx	xx	xx	xx	xx
Units Used Daily (000)	xx	xx	xx	xx	xx	xx	xx	xx
Spinal Cord Injured (SCI) (para)	xx	xx	xx	xx	xx	xx	xx	xx
Spinal Cord Injured (SCI) (Quad)	xx	xx	xx	xx	xx	xx	xx	xx
Spina Bifida	xx	xx	xx	xx	xx	xx	xx	xx
Multiple Sclerous	xx	xx	xx	xx	xx	xx	xx	xx
Age Related Disease	xx	xx	xx	xx	xx	xx	xx	xx
Total (000 Units)	xx	xx	xx	xx	xx	xx	xx	xx

Source: WinterGreen Research, Inc.

WinterGreen Research, Inc.

Number of Patients with Disease Conditions Requiring Wheelchairs, By Diagnosis, Number, Worldwide, 2019-2025

In Thousands of Patients

	2018	2019	2020	2021	2022	2023	2024	2025
Total Patients with Disease Conditions Requiring Wheelchair Use								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Patients with Particular Disease Conditions								
Spinal Cord Injured (SCI) (Para)								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Spinal Cord Injured (SCI) (Quad)								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Spina Bifida								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Multiple Sclerous								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Congestive Heart Failure (CHF)								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Other Age Related Disease								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx
Diabetes								
Worldwide	xx	xx	xx	xx	xx	xx	xx	xx
United States	xx	xx	xx	xx	xx	xx	xx	xx

Note: Not all patients with disease condition requiring a wheel chair have one. This is due to cost, severity of condition, bedridden condition, and other factors.
Most patients have multiple disease conditons at the same time.

Source: WinterGreen Research, Inc.

ABOUT THE COMPANY

WinterGreen Research, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

WinterGreen Research, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology.

Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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About The Principal Authors

Susan Eustis, President, co-founder of WinterGreen Research, is a senior analyst. She has done research in communications, healthcare equipment, and computer markets and applications. She holds several patents in microcomputing and parallel processing. She has the original patents in electronic voting machines. She has new patent applications in format varying, multiprocessing, electronic voting, and oxygen management. She is the author of recent studies of the drone and robot marketing strategies, Internet equipment, biometrics, biomaterials, a study of Internet Equipment, Artificial Intelligence, IoT, Worldwide Telecommunications Equipment, Top Ten Telecommunications, Digital Loop Carrier, Web Hosting, Web Services, and Application Integration markets. Ms. Eustis is a graduate of Barnard College. Ms. Eustis was named Top Woman CEO in 2012 by Who's Who Worldwide. She was named Top Woman Market Research Analyst in 2012, 2013, 2014, 2015, and 2016. She has been twice featured on the cover of the Women of Distinction magazine. She was cited in a recent Time Magazine article and major media articles on Youth Sports market growth. Recently she has been quoted by Bloomberg, The Wall Street Journal, The London Times, The Los Angeles Times, and others on sports markets, blockchain, and cybercurrency.

About the WinterGreen Research Team: The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.