

India Medical Gloves Market By Type (Surgical, Examination), By Product Type (Reusable, Disposable), By Material Type (Natural Rubber, Nitrile, Viny, Neoprene, Polyethylene, Others), By Form (Powdered, Non-Powdered), By End User (Hospitals & Clinics, Ambulatory Care Centers, Home Healthcare, Others), By Region, Competition, Forecast and Opportunities, 2020-2030F

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Abstracts

India Medical Gloves Market was valued at USD 0.62 Billion in 2024 and is expected to reach USD 0.87 Billion by 2030, with a CAGR of 5.75% during the forecast period. Medical gloves are essential disposable items used by healthcare professionals in clinical, medical, and laboratory settings to maintain sterile conditions, protect both themselves and patients from infections, and create a barrier against contaminants. These gloves are crucial elements of personal protective equipment (PPE) in healthcare environments and must adhere to strict quality and safety standards. Acting as a barrier between the wearer and potentially infectious substances, blood, bodily fluids, and pollutants, they reduce the risk of transmission.

A comfortable fit and excellent grip are vital for optimal dexterity and reduced hand fatigue during extended use. Surgical gloves, in particular, require tactile sensitivity to enable precise maneuvers and agility during procedures. Moreover, durability is essential to endure the demands of medical interventions without compromising integrity. Sterilization and meticulous packaging ensure the maintenance of sterility until deployment in the operating theater.

Increasing health awareness among the population has led to a rise in patient visits to healthcare facilities, driving up the demand for medical gloves in patient care and diagnostics. A study titled 'Estimation of the National Surgical Needs in India by Enumerating the Surgical Procedures in an Urban Community Under Universal Health Coverage' was published in the National Library of Medicine journal in September 2020. In the study, an average of 4,624 surgeries were performed annually within the study population. After standardization, the national estimate was 3,646 surgeries per year per 100,000 individuals in India. Adjusting for rural and urban demographic variations, the annual surgical estimates were 3,640 for rural areas and 3,763 for urban areas per 100,000 population. Gender-based estimates indicated 1,729 surgeries per year per 100,000 men and 1,916 for women. The highest number of surgeries, accounting for 18.8% (688 surgeries), was observed among individuals aged 30–39 years. These findings highlight demographic and geographic variations in surgical healthcare utilization across India.

India's aging demographic contributes to heightened healthcare needs, including surgeries and geriatric care, increasing the need for medical gloves in various medical applications and elderly assistance. Adherence to stringent infection control standards within the healthcare sector highlights the demand for high-quality gloves. Outbreaks of infectious diseases, such as the COVID-19 pandemic, have emphasized the importance of infection control, resulting in a surge in demand for protective gear, including medical gloves, during such health emergencies.

Key Market Drivers

Technological Advancements

Nitrile gloves have surged in popularity due to their robustness, resistance to punctures, and latex-free composition. Ongoing innovations have elevated their tactile sensitivity and overall quality. Neoprene gloves, tailored for specific medical applications, are undergoing continual technological enhancements to bolster their barrier properties and wearer comfort. The integration of sensors into medical gloves marks a pioneering stride. These smart gloves can track vital signs like temperature, pulse, and blood pressure, particularly valuable in critical care scenarios. Some gloves feature antimicrobial agents, augmenting protection against pathogens and reducing contamination risks in healthcare settings. Addressing environmental concerns, researchers are developing biodegradable materials for medical gloves, facilitating easier breakdown in landfills and minimizing environmental impact. 3D printing is revolutionizing the creation of personalized medical gloves, ensuring precise fits,

diminishing tear risks, and enhancing comfort for healthcare professionals. Constant research aims to enhance glove barrier properties against microorganisms, chemicals, and other contaminants. Aseptic gloving technology has evolved to yield sterile gloves with improved donning protocols, crucial for maintaining sterile conditions in operating rooms and critical environments.

Conventional powdered gloves have largely been supplanted by powder-free alternatives to mitigate allergic reactions and contamination risks. Advances in the donning of powder-free gloves have been achieved for greater ease. Gloves with integrated heating elements are in development to offer warmth and comfort in cold environments like operating rooms or during outdoor medical missions. Ergonomically designed medical gloves aim to reduce hand fatigue and heighten comfort during prolonged surgical procedures. Progress in glove sizing and customization technologies empowers healthcare professionals to find optimal fits, minimizing tear risks and discomfort. Some medical gloves are integrating wearable technology, such as built-in displays or haptic feedback systems, fostering improved communication and real-time data delivery to healthcare providers, pivotal for advancing the India Medical Gloves Market.

Rising Health Awareness

Rising health awareness motivates individuals to adopt personal protective measures, particularly during activities with potential health risks. Medical gloves are recognized for their role in minimizing contamination and infection across various environments. Health-conscious individuals prioritize routine check-ups, vaccinations, and medical consultations, often facilitated by healthcare providers employing medical gloves for safety and hygiene. The trend towards home healthcare, driven by an aging population and a focus on well-being, further underscores the demand for medical gloves. Caregivers administering home healthcare tasks such as wound care, medication administration, and hygiene maintenance frequently rely on medical gloves.

Increased awareness of oral health has spiked demand for gloves in dental clinics, where dentists and hygienists employ them for patient and practitioner protection. Likewise, health-conscious consumers advocate for improved food safety practices, prompting the widespread use of gloves among food handlers and restaurant staff to avert contamination and foodborne illnesses. In fitness circles, individuals prioritize glove usage for weightlifting and gym activities to minimize contact with bacteria and germs on exercise equipment. Similarly, conscientious parents and caregivers prioritize children's health and hygiene by utilizing medical gloves for tasks like diaper changing,

reducing the risk of skin irritation or infection.

Elevated awareness of past pandemics and infectious disease outbreaks fuels interest in personal protective equipment, including medical gloves, to prepare for potential health crises. Environmental consciousness also influences preferences, with some individuals and healthcare facilities opting for biodegradable or eco-friendly gloves to align with sustainability goals and responsible disposal practices. In workplaces with a focus on occupational health and safety, glove usage is mandated to shield employees against chemical exposure, contaminants, and other hazards, thereby accelerating demand in the India Medical Gloves Market.

Key Market Challenges

Counterfeit Products

Counterfeit medical gloves may not meet quality and safety standards, putting patients at risk of infection and other health complications. Substandard gloves can lead to the spread of diseases, particularly in healthcare settings. Healthcare professionals who rely on medical gloves for protection may be unknowingly exposed to health risks when counterfeit gloves do not provide the intended barrier protection. Counterfeit gloves may not perform as expected, compromising their effectiveness during medical procedures, surgeries, and other critical tasks. This can impact the quality of healthcare services. The use of counterfeit gloves can lead to non-compliance with healthcare regulations and standards, exposing healthcare facilities to legal and regulatory risks. The presence of counterfeit medical gloves can damage the reputation of reputable glove manufacturers and distributors, eroding trust in the industry. Healthcare facilities and institutions that unknowingly purchase counterfeit gloves may face financial losses due to the need to replace substandard products and address any associated health complications. Detecting counterfeit gloves can be challenging, as they are often designed to closely mimic genuine products, making it difficult to distinguish them through visual inspection alone.

Competition

Intense competition can lead to price pressure, with manufacturers and suppliers striving to offer competitive pricing. While this can benefit buyers, it may also affect profit margins and the quality of products. In a highly competitive market, some manufacturers may cut corners to reduce costs, potentially compromising the quality and safety of medical gloves. Maintaining high-quality standards is essential but can be

challenging in such an environment. To gain a competitive edge, manufacturers must invest in research and development to introduce innovative glove materials, designs, and features that meet evolving healthcare needs and safety standards. India's medical gloves market competes not only domestically but also internationally, as it exports medical gloves to various countries. Competing in the global market requires meeting international quality standards and cost competitiveness. The medical gloves market can become saturated with numerous suppliers offering similar products. This can make it challenging for new entrants and smaller companies to gain market share. Manufacturers and suppliers must have efficient distribution networks to reach healthcare facilities across India. Competition can result in challenges related to distribution efficiency and coverage. Manufacturers often need to target specific segments within the healthcare industry, such as hospitals, clinics, and laboratories. Effectively serving these segments while facing competition can be challenging. Efficient supply chain management is vital to ensure a steady supply of medical gloves. Intense competition can add complexity to the supply chain due to multiple suppliers and logistics considerations.

Key Market Trends

Environmental Considerations Leading to Higher Demand of Biodegradable Materials

There is an increasing demand for medical gloves made from biodegradable and eco-friendly materials. Manufacturers are developing gloves that break down more easily in landfills, reducing their environmental footprint. Manufacturers are adopting sustainable practices in glove production, such as reducing water and energy usage, minimizing waste, and using eco-friendly packaging materials. Some manufacturers and healthcare facilities are exploring recycling programs for used medical gloves. These initiatives aim to divert gloves from landfills and give them a second life as new products. Healthcare facilities are educating staff about the proper disposal of medical gloves to minimize their environmental impact. This includes segregating and disposing of used gloves in an eco-friendly manner. Some companies are offering medical gloves that are certified as environmentally responsible. These gloves meet specific criteria for sustainability and environmental impact reduction. Efforts are being made to reduce single-use plastics, including disposable gloves. This involves exploring alternative materials for glove packaging and finding ways to reduce plastic waste in healthcare settings. Some patients and healthcare professionals are more inclined to choose environmentally friendly products when given the option. This can influence procurement decisions. Manufacturers are increasingly labeling their gloves with information about their environmental attributes and certifications, making it easier for healthcare facilities to

select eco-friendly options.

Increasing Stringent Infection Control Standards

Comprehensive infection control standards mandate healthcare facilities to implement rigorous measures to curb the spread of infections, with the use of medical gloves being pivotal, particularly in high-risk settings. This is supported by growing healthcare and infrastructure facilities in the country. Hospitals, clinics, nursing homes, and diagnostic centers, where stringent infection control is imperative, emerge as major consumers of medical gloves. Across various departments and procedures, healthcare professionals rely on gloves to create a barrier between themselves and patients, mitigating the risk of cross-contamination and infection transmission, thereby upholding sterility and safety standards.

Regulations and guidelines issued by health authorities enforce these stringent infection control standards, necessitating healthcare facilities to comply meticulously, including the proper utilization of medical gloves for patient and staff welfare. High-quality gloves meeting specified standards are mandated, compelling healthcare providers to source from reputable manufacturers. The experience garnered from managing emerging infectious diseases, exemplified by the COVID-19 pandemic, accentuates the significance of stringent infection control measures, propelling a surge in glove demand within healthcare settings. Particularly during health crises and emergencies, adherence to such standards becomes paramount, with medical gloves serving as indispensable tools for frontline healthcare workers and first responders in containing and managing infectious diseases.

Elevated public awareness of infectious diseases heightens expectations regarding infection control measures in healthcare facilities, with patients and families advocating for the use of protective gear, including medical gloves, to ensure safety. Emphasizing preventive measures alongside treatment, infection control standards underscore the importance of gloves in routine check-ups, vaccinations, and other preventive healthcare practices. Laboratories, research facilities, and testing centers adhere rigorously to handling and testing specimen standards, relying on medical gloves to safeguard sample integrity and prevent contamination. Beyond healthcare, stringent infection control standards extend to occupational safety across various industries, mandating glove usage where exposure to contaminants or pathogens exists, thereby further stimulating demand. This trend will drive the growth of the India Medical Gloves Market.

Segmental Insights

Type Insights

In 2024, the India Medical Gloves Market largest share was held by Surgical type segment and is predicted to continue expanding over the coming years. Surgical gloves are designed to provide a high level of precision and dexterity. They are crucial for surgeons and other medical professionals performing intricate procedures, where even the slightest loss of tactile sensitivity can have serious consequences. Surgical procedures demand the highest level of hygiene and sterility. Surgical gloves are manufactured and processed with the utmost care to ensure they meet the stringent standards required in the operating room. Surgical gloves play a critical role in infection control during surgical procedures. They provide a barrier between the surgeon and the patient's body fluids, preventing cross-contamination and the transmission of infections. Surgical gloves are often made from specialized materials, such as natural rubber latex, nitrile, or neoprene, which are chosen for their unique properties, including barrier protection and tactile sensitivity. Surgical gloves are subject to rigorous regulatory standards and quality control measures. Manufacturers must meet specific requirements to ensure the gloves' safety and effectiveness in surgical settings. Surgical gloves are used in a wide variety of surgical procedures, ranging from general surgery to specialized fields like orthopedics, neurosurgery, and cardiothoracic surgery. The diversity of surgical applications leads to a higher demand for surgical gloves.

Material Type Insights

In 2024, the India Medical Gloves Market largest share was held by Natural Rubber segment and is predicted to continue expanding over the coming years. Natural rubber latex gloves are generally more cost-effective to produce compared to synthetic alternatives like nitrile or neoprene. This cost advantage makes them a preferred choice for healthcare facilities, especially those operating on tight budgets. Natural rubber gloves have been used in the healthcare industry for many decades. This long history of use has established a level of trust and familiarity with these gloves among healthcare professionals. Natural rubber latex gloves are known for their excellent elasticity and comfort. They provide a snug fit, which is important for medical procedures that require precision, and they offer a high level of tactile sensitivity. Natural rubber latex is an effective barrier material, providing protection against pathogens, bodily fluids, and other contaminants. This barrier protection is crucial in healthcare settings to prevent the transmission of infections. Natural rubber latex is a biodegradable material, which is an important consideration for some healthcare facilities and individuals concerned

about the environmental impact of disposable medical gloves. Natural rubber gloves have a long history of use and are subject to established regulatory standards and quality control measures. This makes it easier for manufacturers to ensure compliance with relevant regulations.

Regional Insights

The North India region dominated the India Medical Gloves Market in 2024. North India is home to a significant portion of India's population. This higher population density contributes to increased healthcare facilities, hospitals, and clinics, which in turn drive the demand for medical gloves. The region has several healthcare hubs and metropolitan cities, such as Delhi, NCR (National Capital Region), and Chandigarh, which are known for their advanced medical infrastructure. These areas require a substantial supply of medical gloves to support their healthcare services. The North Indian states, including the national capital, receive substantial government investment in healthcare infrastructure development. Government-funded healthcare initiatives often lead to a higher consumption of medical gloves, boosting the market. The region hosts many prestigious medical colleges, research institutions, and teaching hospitals. These institutions drive the demand for medical gloves for medical training, research, and patient care.

Key Market Players

Ansell Ltd.

B Braun Medical (India) Private Limited

Sempertrans India Private Limited

Medline Industries India Private Limited

MRK Healthcare Pvt. Ltd

RFB Latex Limited

Primus Gloves Private Limited

Kanam Latex Industries Pvt. Ltd.

Asma Rubber Products Pvt. Ltd.

Cardinal Health international India Pvt. Ltd

Report Scope:

In this report, the India Medical Gloves Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Medical Gloves Market, By Type:

Surgical

Examination

India Medical Gloves Market, By Product Type:

Reusable

Disposable

India Medical Gloves Market, By Material Type:

Natural Rubber

Nitrile

Viny

Neoprene

Polyethylene

Others

India Medical Gloves Market, By Form:

Powdered

Non-Powdered

India Medical Gloves Market, By End-User:

Hospitals & Clinics

Ambulatory Care Centers

Home Healthcare

Others

India Medical Gloves Market, By Region:

North India

South India

East India

West India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the India Medical Gloves Market.

Available Customizations:

India Medical Gloves Market report 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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. INDIA MEDICAL GLOVES MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value & Volume
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Surgical, Examination)
 - 5.2.2. By Product Type (Reusable, Disposable)
 - 5.2.3. By Material Type (Natural Rubber, Nitrile, Viny, Neoprene, Polyethylene, Others)
 - 5.2.4. By Form (Powdered, Non-Powdered)

5.2.5. By End User (Hospitals & Clinics, Ambulatory Care Centers, Home Healthcare, Others)

5.2.6. By Region (North India, South India, East India, West India)

5.2.7. By Company (2024)

5.3. Product Market Map

6. INDIA SURGICAL MEDICAL GLOVES MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Product Type

6.2.2. By Material Type

6.2.3. By Form

6.2.4. By End User

7. INDIA EXAMINATION MEDICAL GLOVES MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Product Type

7.2.2. By Material Type

7.2.3. By Form

7.2.4. By End User

8. MARKET DYNAMICS

8.1. Drivers

8.2. Challenges

9. MARKET TRENDS & DEVELOPMENTS

9.1. Merger & Acquisition

9.2. Product Development

9.3. Recent Developments

10. POLICY & REGULATORY LANDSCAPE

11. PORTERS FIVE FORCES ANALYSIS

- 11.1. Competition in the Industry
- 11.2. Potential of New Entrants
- 11.3. Power of Suppliers
- 11.4. Power of Customers
- 11.5. Threat of Substitute Products

12. INDIA ECONOMIC PROFILE

13. PRICING ANALYSIS

14. COMPETITIVE LANDSCAPE

- 14.1. Ansell Ltd.
 - 14.1.1. Business Overview
 - 14.1.2. Product & Service Offerings
 - 14.1.3. Recent Developments
 - 14.1.4. Financials (If Listed)
 - 14.1.5. Key Personnel
 - 14.1.6. SWOT Analysis
- 14.2. B Braun Medical (India) Private Limited
- 14.3. Sempertans India Private Limited
- 14.4. Medline Industries India Private Limited
- 14.5. MRK Healthcare Pvt. Ltd
- 14.6. RFB Latex Limited
- 14.7. Primus Gloves Private Limited
- 14.8. Kanam Latex Industries PVt. Ltd.
- 14.9. Asma Rubber Products Pvt. Ltd.
- 14.10. Cardinal Health International India Pvt. Ltd.

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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