

Surgical Gowns Market Size, Share & Trends Analysis By Gown Type (Fluid Resistant Gowns, Non-Fluid Resistant Gowns), By Material, By Specialty (Orthopedic Surgery, Cardiology), By Usability, By End-use, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/SFB207FC73BAEN.html>

Date: April 2025

Pages: 110

Price: US\$ 5,950.00 (Single User License)

ID: SFB207FC73BAEN

Abstracts

This report can be delivered to the clients within 3 Business days

Surgical Gowns Market Size & Trends

The global surgical gowns market size was estimated at USD 1.65 billion in 2024 and is projected to grow at a CAGR of 9.59% from 2025 to 2030. The demand for surgical gown products is rising owing to the growing number of surgical cases and the increasing prevalence of hospital-acquired infections. According to the data published in Clinical Epidemiology and Global Health in February 2025, the annual burden of healthcare-associated infections (HAIs) in developed countries suggests that 4 million patients are affected. In addition, the data published in the Infectious Medicine journal in June 2024 reports that, on average, 7%-10% of patients acquire at least one HAI during their hospital stay, with nearly 10% of these cases resulting in mortality and 6% dying directly from HAIs. Such a high burden of HAIs globally is anticipated to drive the demand for surgical gowns in the coming years.

The growing number of surgical procedures is expected to increase the demand for surgical gowns significantly. These gowns protect healthcare personnel and patients during surgeries by acting as a barrier against contamination from bodily fluids, pathogens, and microorganisms. The demand for surgical procedures is especially

rising in low- and middle-income countries. According to data published in the BMC Surgery journal in 2025, approximately 313 million surgical procedures are performed globally each year, but only 6% of these surgeries take place in the poorest countries, despite these regions being home to over a third of the world's population. In low- and middle-income countries, 98% of individuals with surgical conditions do not have access to timely, safe, and affordable surgical and anesthesia care. These regions require an additional 143 million surgeries annually to save lives and prevent disabilities.

Furthermore, the rising demand for cosmetic surgeries, fueled by the desire to preserve or enhance aesthetic appearance, is projected to drive the demand for surgical gowns in the upcoming years. According to the 2023 Plastic Surgery Statistics Report by the American Society of Plastic Surgeons, there was a 5% increase in overall cosmetic procedures from 2022 to 2023.

Surgical gowns act as a barrier to prevent the transmission of infections, ensuring a sterile environment during procedures. As the frequency of surgeries rises, the need for high-quality, reliable protective garments will become even more crucial in maintaining patient safety and infection control standards in healthcare settings.

Global Surgical Gowns Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis on the latest industry trends in each of the sub-segments from 2018 to 2030. For the purpose of this study, Grand View Research has segmented the global surgical gowns market report on the basis of gown type, material, specialty, end-use, usability, and region:

Gown Type Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

Fluid Resistant Gowns

AAMI-rated

Level 1

Level 2

Level 3

Level 4

Non-AAMI rated

Non-Fluid Resistant Gowns (Non-AAMI rated)

Material Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

Linen

Spunbond Meltblown Spunbond (SMS)

SMS Cellulose

Others

Specialty Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

Orthopedic Surgery

Cardiology

Caesarian Section

Endoscopic Surgery

Mastectomy

Others

Usability Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

Disposable Gowns

Reusable Gowns

End-use Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

Operating Room

Emergency Room

Intensive Care Unit (ICU)

Others

Regional Outlook (Revenue, USD Million; Volume Unit, Price USD; 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

Japan

China

India

South Korea

Australia

Thailand

Latin America

Brazil

Argentina

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

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