

Asia Pacific Vaccines Market Size and Forecast (2021 - 2031)

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Abstracts

The Asia Pacific Vaccines Market is projected to grow significantly, reaching approximately US\$ 22,940.5 million by 2031, up from US\$ 15,065.1 million in 2024, with an estimated compound annual growth rate (CAGR) of 6.2% from 2025 to 2031.

Executive Summary and Market Analysis

The Asia Pacific region has established itself as a prominent center for vaccine research and development, capitalizing on its cost-effectiveness, diverse population, and swift participant recruitment capabilities. The region plays a crucial role in global vaccine innovation, holding a substantial share of both prophylactic and therapeutic vaccine trials. According to Global Health Press, Asia Pacific leads globally with 46% of prophylactic vaccine trials and 31% of therapeutic trials, outpacing other regions in trial volume and operational efficiency.

Moreover, extensive public health initiatives and universal immunization objectives have led to increased vaccine coverage rates. The urgency for pandemic preparedness following COVID-19 has further spurred investments in research, development, and manufacturing capabilities. The region's advancing healthcare infrastructure and established cold chain logistics facilitate the effective storage and distribution of vaccines, even in remote locations.

Strategic Insights

Market Segmentation Analysis

By Type: The market is categorized into Conjugated Vaccines, Inactivated

Vaccines, Live Vaccines, Recombinant Vaccines, and Toxoid Vaccines, with Conjugated Vaccines holding the largest market share in 2024.

By Indication: Segmented into HPV, PCV, DTP, Hepatitis, Influenza, Dengue, and others, with HPV leading in market share in 2024.

By Route of Administration: Divided into Injection, Oral, and Other, where the Injection segment dominates.

By Age Group: The market is split into Pediatric and Adult segments, with Pediatrics holding the largest share.

Market Outlook

The World Health Organization (WHO) has identified over 30 priority pathogens that pose risks for global public health emergencies, including influenza A, dengue, and monkeypox. The frequency of infectious disease outbreaks has risen, with many originating from animals or transmitted by vectors. As of May 11, 2025, SARS-CoV-2 activity has seen a resurgence, with a test positivity rate of 11% across 73 reporting countries, similar to the peak observed in July 2024.

In April 2024, the WHO reported over 7.6 million dengue cases, with 3.4 million confirmed and over 3,000 deaths. Additionally, a global mpox outbreak during 2022-2023 resulted in 87,000 cases and 140 deaths, prompting the WHO to declare it a Public Health Emergency of International Concern (PHEIC).

In 2022, approximately 254 million people were living with hepatitis B, and 50 million with hepatitis C, with a significant portion of those affected being children. Vaccination is a key preventive measure against hepatitis, and WHO aims to reduce new infections by 90% and deaths by 65% by 2030.

The demand for vaccines surges during outbreaks of contagious diseases, as seen during the COVID-19 pandemic, which created an unprecedented need for rapid immunization. WHO estimates that global immunization efforts have saved around 154 million lives over the past 50 years, with measles vaccination significantly reducing infant mortality.

Country Insights

The Asia Pacific Vaccines Market is further segmented by country, including China, Japan, India, Australia, South Korea, and others, with China holding the largest market share in 2024. China is poised to become a major supplier of affordable vaccines, having developed a robust vaccine manufacturing industry since the introduction of its expanded immunization program in 1978. The country produces a wide range of vaccines for both viral and bacterial diseases.

Innovations such as the first respiratory syncytial virus (RSV) prophylaxis for infants, Levitra/Beyfortus, are being introduced, with expectations for availability in 2024-2025. Chinese companies are also advancing mRNA vaccines and combination vaccines, reflecting a trend towards innovative vaccine technologies.

Company Profiles

Key players in the Asia Pacific Vaccines Market include Abbott Laboratories, GSK Plc, Pfizer Inc., Merck & Co. Inc., Novartis AG, Sanofi SA, CSL Ltd, Serum Institute of India Pvt Ltd, BioNTech SE, and Sinovac Biotech Ltd. These companies are pursuing strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence.

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