Gram-positive Bacterial Infections - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-07-01 | 114 pages | Mordor Intelligence

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Report description:

Gram-positive Bacterial Infections Market Analysis

The Gram-positive antimicrobials market size reached USD 12.66 billion in 2025 and is projected to expand to USD 16.10 billion by 2030, advancing at a 4.98% CAGR. Rising methicillin-resistant Staphylococcus aureus (MRSA) infections, continued approvals of next-generation agents, and rapid molecular diagnostics sustain demand, even as antimicrobial-stewardship programs temper indiscriminate prescribing. Pharmaceutical leaders protect revenue streams by pairing life-cycle management of mature brands with pipeline investments that address vancomycin-resistant Enterococcus faecium and other WHO priority pathogens. Governments now treat antimicrobial supply as a national-security concern, launching stockpiling mandates and domestic manufacturing incentives that mitigate shortages. Meanwhile, AI-driven discovery partnerships, such as Eli Lilly's collaboration with OpenAI, shorten lead-compound identification timelines and ease development economics.

Global Gram-positive Bacterial Infections Market Trends and Insights

Rising Prevalence of Gram-Positive Infections

Healthcare-associated infections remain stubbornly high, and MRSA alone represented 121,000 AMR-related deaths annually. Hospitals now screen high-risk admissions with PCR panels that deliver 93.3% detection accuracy within 88 minutes, allowing clinicians to start targeted therapy sooner and reserve broad-spectrum agents for confirmed need. Aging populations enlarge the pool of immunocompromised patients undergoing cancer therapy or organ transplantation, further boosting demand for effective gram-positive coverage. Hypervirulent strains with novel resistance elements add urgency to stewardship, although most currently affect gram-negative pathogens. Collectively, these dynamics lift baseline utilization of oxazolidinones, lipopeptides, and new-generation cephalosporins.

Increasing Number of Drug Approvals & Pipeline Progression

Between 2024 and 2025, the U.S. FDA cleared ceftobiprole for MRSA bacteremia and acute skin infections, posting 68.9% success in bacteremia trials. Gepotidacin secured Priority Review as the first topoisomerase-inhibiting antibiotic in decades, while contezolid earned approval in China with fewer hematologic adverse events than linezolid. WHO counts 97 antibacterial candidates in clinical development, 32 of which target priority pathogens. QIDP and Fast-Track incentives extend exclusivity, partially offsetting development risk and drawing fresh capital into the Gram-positive antimicrobials market. This regulatory momentum underpins a steady launch cadence through the forecast period.

Escalating Antibiotic Resistance Among Gram-Positive Pathogens

Linezolid resistance now appears in multiple regions via 23S rRNA mutation and cfr gene uptake, curbing therapy length and success. Cambodia's surveillance logged 12.5% extensively drug-resistant Neisseria gonorrhoeae isolates in 2023, underscoring how resistance traits spread quickly even in lower-use settings. Global antibiotic consumption climbed 16.3% between 2016 and 2023, with forecasts of 52.3% growth by 2030 if unchecked, accelerating selection pressure. These patterns threaten current pipelines and require simultaneous investment in prevention, diagnostics, and novel mechanisms.

Other drivers and restraints analyzed in the detailed report include:

Growing Healthcare Expenditure In Emerging Economies / Adoption Of Rapid Molecular Diagnostics Enabling Targeted Therapy / Patent Expiries Driving Generic Erosion /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Cephalosporins held 24.6% of the Gram-positive antimicrobials market share in 2024, anchored by broad empirical use and inclusion in surgical prophylaxis guidelines. FDA approval of ceftobiprole for MRSA bacteremia adds premium-priced volume and supports cephalosporin revenue resilience; however, stewardship directives and growing cephalosporin resistance in some geographies moderate long-term growth. Oxazolidinones, led by linezolid, posted the fastest expansion, with a 9.4% CAGR projected through 2030. Contezolid's approval in China and promising Phase 3 data for tedizolid-analogue agents enhance safety perceptions and widen prescriber comfort. Long-acting lipopeptides such as dalbavancin hold niche utility for outpatient parenteral therapy but rely on reimbursement alignment to offset high single-dose prices. Glycopeptides face sustained pressure from vancomycin-resistant enterococci; developers respond with dosing-optimized formulations that lower nephrotoxicity risk and prolong clinical relevance. Pipeline-stage combination agents, for example, beta-lactam plus ?-lactamase inhibitor pairings, mainly target gram-negative organisms, yet cross-labeling potential may expand coverage in mixed infections. Vaccinology advances, particularly against Group B Streptococcus, could gradually reshape demand by preventing infections that currently require prolonged intravenous treatment.

Second-generation ?-lactamase-stabilized cephalosporins flow into hospital formularies through stewardship-based protocols that tie diagnostic confirmation to drug release. In parallel, academic-industry consortia probe bacteriophage adjuncts and antimicrobial peptides to overcome entrenched resistance, signaling future competitive pressure. Nonetheless, commercial momentum favors small-molecule oral oxazolidinones because payers value shorter inpatient stays and lower monitoring burdens.

Collective evidence positions oxazolidinones to account for 14.3% of the Gram-positive antimicrobials market size by 2030, while cephalosporins gradually cede share but remain the volume backbone of empirical therapy.

The Gram Positive Bacterial Infections Market is Segmented by Drug Type (Beta-Lactam Antimicrobials, Cephalosporins, Fluoroquinolones, and More), Disease (Pneumonia, Sepsis, MRSA Infections, Endocarditis, and More), Distribution Channel (Hospital Pharmacies, Retail Pharmacies, and Online Pharmacies), and Geography (North America, Europe, Asia-Pacific, and More). The Market Sizes and Forecasts are Provided in Terms of Value (USD).

Geography Analysis

North America commanded 38.9% of global revenue in 2024, propelled by early regulatory approvals, high diagnostic penetration, and broad insurance coverage. The EQUIP-A-Pharma initiative adds domestic 3D-printed linezolid capacity, fortifying supply resilience while lowering transportation emissions. Canadian authorities now oblige manufacturers to file shortage-risk plans and hold safety stocks, steps that enhance predictability for hospital buyers. Mexico benefits from near-shoring trends and streamlined USMCA trade lanes that shorten lead times for critical inputs. However, fragmented stewardship enforcement still encourages empiric multi-drug regimens in some regions.

Europe preserves a sizeable share through cohesive AMR policy frameworks. The proposed Critical Medicines Act coordinates joint procurement, ensuring smaller member states can access novel agents without price inflation. Surveillance data from ECDC confirm that broad-spectrum consumption tracks resistance evolution closely, reinforcing pay-for-performance models that reward narrow-spectrum adherence. Western European markets secure advance-purchase agreements for pipeline candidates, whereas Eastern Europe faces reimbursement delays that slow uptake. Pan-regional clinical societies publish emergency-department guidelines emphasizing biomarker-guided initiation and rapid de-escalation, harmonizing practice patterns across disparate health systems.

Asia-Pacific registers the fastest growth at a 7.9% CAGR to 2030, buoyed by expanding universal health coverage schemes and domestic innovation pipelines. Singapore incubates bacteriophage and antimicrobial-peptide startups, positioning itself as a translational hub. China's National Medical Products Administration approved carrimycin and contezolid, demonstrating regulatory agility and rising innovation capacity. Japan achieved sizable consumption cuts for third-generation cephalosporins, yet the MRSA burden remains high, sustaining premium agent demand. India contends with affordability gaps that limit access to branded oxazolidinones, encouraging generic substitution and parallel importation when domestic supply falters. Australia's stockholding mandate and supplier price uplifts underpin stable supplies despite long supply chains.

List of Companies Covered in this Report:

GlaxoSmithKline / Johnson?&?Johnson / Merck / Pfizer / AstraZeneca / Novartis / Sanofi / Cumberland Pharmaceuticals / Sun Pharmaceuticals Industries / Bayer / Bristol-Myers Squibb / Melinta Therapeutics / Paratek Pharmaceuticals / Basilea Pharmaceutica Ltd. / Shionogi & Co. Ltd. / Abbvie / Teva Pharmaceutical Industries / Fresenius / Hikma Pharmaceuticals / Dr Reddy's Laboratories Ltd. / Lupin /

Additional Benefits:

 The market estimate (ME) sheet in Excel format /
3 months of analyst support /

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