

Life Sciences Quality Management Software Market Size, Share & Trends Analysis Report By Application (Data Management), By Deployment Mode (Web & Cloud-based, On-premise), By End Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Life Sciences Quality Management Software Market Growth & Trends

The global life sciences quality management software market size is anticipated to reach USD 6.72 billion by 2030 and is projected to grow at a CAGR of 12.99% from 2025 to 2030, according to a new report by Grand View Research, Inc. Key factor contributing to the market growth is the increasing use of quality management software (QMS) in the life sciences supply chain to ensure product quality and safety. Moreover, the growing need to comply with regulatory guidelines and technological advancements in the life science industry is expected to drive market growth.

The increasing use of QMS in life sciences supply chains is essential for ensuring product quality and safety. As the industry faces stringent regulatory requirements, adopting QMS frameworks helps organizations maintain compliance, enhance operational efficiency, and improve continuously. QMS are comprehensive frameworks that document processes, procedures, and responsibilities essential for meeting regulatory standards. They are designed to ensure safe, effective, and high-quality products throughout their lifecycle.

The growing trend toward digitalization within the industry, with many companies adopting eQMS. These systems facilitate better data management, streamline

processes, and enhance compliance through automated workflows & real-time monitoring. For instance, in January 2023, Palantir launched a fit-for-purpose QMS integrated with its Foundry platform. This system is designed to help life sciences companies meet Good Practice (GxP) requirements and streamline critical workflows, including clinical data analysis.

Integrating digital tools into QMS has transformed how life sciences organizations manage quality. Technologies such as predictive analytics and digital twins allow companies to anticipate challenges before they arise, representing the principle of “Quality by Design” (QbD). This proactive approach minimizes recalls and enhances trust in product integrity by ensuring that quality considerations are embedded in every product development and distribution stage.

Life Sciences Quality Management Software Market Report Highlights

Based on application, the data management segment led the market with the largest revenue share of 17.51% in 2024. The rising volume of data generated by the life science industry necessitates the need for effective data quality management, thereby increasing the demand for quality management software.

Based on deployment mode, the cloud & web-based segment led the market with the largest revenue share of 77.02% in 2024, and is expected to register at the fastest CAGR over the forecast period, as companies are shifting from traditional paper-based systems to digital platforms, allowing for secure, traceable, and readily accessible documentation.

Based on end use, the pharmaceutical firms segment accounted for the largest revenue share of 57.28% in 2024. This growth is attributed to the growing use of digital technology in the pharmaceutical sector, the growing need to comply with regulatory guidelines, and the increasing complexity of supply chains.

North America dominated the market with the largest revenue share of 39.97% in 2024, attributed to the robust presence of life science companies and rising R&D expenditure in the region. In addition, companies are engaged in new product launches and merger and acquisition activities, thereby driving market growth.

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