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## Beyond Borders: A Global Insight Into The Growth Of Digital Dentistry

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### Abstract

Digital dentistry represents a revolutionary shift in dental practice, leveraging advanced technologies to augment diagnostics, treatment planning, and patient care. This article traces the historical evolution of digital dentistry, highlighting key milestones and breakthroughs. It examines global trends in adoption rates across regions like North America, Europe, Asia-Pacific, and the Middle East, emphasizing the growing influence of digital technologies. The current landscape showcases significant growth in areas such as intraoral scanners, CAD/CAM systems, 3D printing, and teledentistry. However, challenges such as cost, training, and regulatory concerns hinder widespread adoption. Anticipated advancements promise to further transform digital dentistry, enhancing precision and personalization in patient care. As the field continues to evolve, its impact on dental practice and patient experiences will be increasingly profound.

### Key words

Digital dentistry, 3D Printing, Teledentistry, CAD/CAM, Intraoral scanners

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