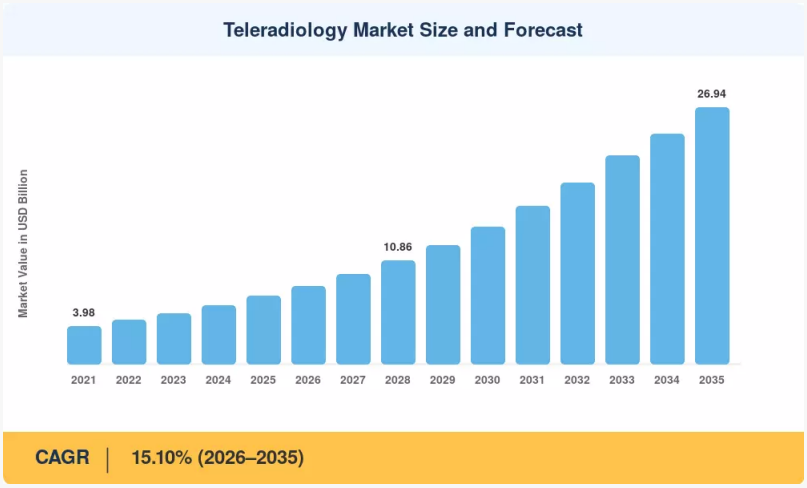
Teleradiology Market to reach USD 26.94 Billion by 2035 at 15.10% CAGR

Teleradiology Market to Surge from USD 7.12 Billion in 2025 to USD 26.94 Billion by 2035-By Radiologist Workforce Scarcity, Permanent Telehealth Reimbursement



Teleradiology Market (2026 - 2035)

NY, CA, UNITED STATES, September 16, 2026 /EINPresswire.com/ -- As per Market Research Future, the global Teleradiology Market size is projected to reach USD 26.94 Billion by 2035 from USD 7.12 Billion in 2025, at a CAGR of 15.10% during the forecast period 2026--2035. The market opened the forecast window at USD 8.19 Billion in 2026.

The 15.10% CAGR---anchored by structural shifts in medical imaging delivery---is propelled by three converging forces: chronic radiologist workforce scarcity, with the Royal College of Radiologists projecting a 40% consultant shortfall in the United Kingdom by 2028 and U.S. imaging volumes growing roughly 5% annually against radiologist headcount growth under 2%, driving healthcare providers to increasingly adopt remote interpretation for 24/7 coverage and subspecialty access; reimbursement normalization, with the U.S. Centers for Medicare & Medicaid Services making a wide band of remotely furnished diagnostic interpretations permanently billable, converting a pandemic-era workaround into standing revenue; and the migration of imaging infrastructure to vendor-neutral cloud archives and zero-footprint viewers, which significantly lowers the cost of entry for community hospitals and standalone imaging centres.

Global health IT companies and imaging providers are amplifying this momentum. Global health IT investment in imaging infrastructure crossed USD 4.9 billion in 2025, with cloud migration absorbing roughly a third of it. RadNet continues expanding its vertically integrated imaging network and DeepHealth AI screening platform, while the U.S. Food and Drug Administration has cleared more than 750 AI-enabled radiology devices---the largest specialty cluster in its authorized-device database. According to RCR data, the NHS already spends over GBP 325

million annually on outsourced and locum reporting. These forces are creating the digital infrastructure and clinical demand on which the Teleradiology Market depends.

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Key Market Trends & Growth Drivers

Rising Demand for Remote and Subspecialty Interpretation

The market is witnessing an increasing demand for remote diagnostic interpretation, particularly in emergency and subspecialty settings. As imaging volumes continue to outpace radiologist supply globally, more hospitals are seeking elastic reading capacity through outsourced coverage contracts. This trend indicates a shift in provider attitudes towards distributed care delivery, with teleradiology being recognized for its ability to deliver neuroradiology, pediatric, and musculoskeletal expertise that community hospitals cannot hire locally. ONRAD continues expanding its national reading network, serving approximately 550 healthcare sites following its consolidation of overnight coverage.

Advancements in Cloud and Vendor-Neutral Imaging Infrastructure

Innovations in imaging infrastructure are becoming a hallmark of the industry. Healthcare providers are retiring on-premise PACS archives in favour of vendor-neutral archives and zero-footprint viewers that stream studies to any credentialed reader on any device. These advancements aim to enhance accessibility and reduce capital burden, potentially leading to faster deployment and increased market penetration. Cloud-based configurations accounted for the majority of new platform deployments, with 62% of surveyed health systems having migrated at least part of their imaging archive to cloud infrastructure by mid-2025, up from 31% three years earlier.

Integration of AI-Assisted Triage and Worklist Prioritization

The incorporation of artificial intelligence into the industry is gaining traction. Tools such as algorithmic triage are being utilized to flag intracranial hemorrhage and pulmonary embolism inside worklists before a human opens the study, reducing critical-finding notification time by 30--60 minutes for stroke and pulmonary embolism protocols. AI triage directly improves vendor economics, as turnaround time is a contractual metric in most service-level agreements. RadNet continues investing in AI-enabled screening deployment across its imaging centre footprint, while Nanox.AI pursues an AI-native, asset-light delivery model.

Increasing Prevalence of Cross-Sectional Imaging Volumes

Rising imaging procedure volumes are a primary driver. Global demand for CT, MRI, and ultrasound studies continues to climb with ageing populations and expanding diagnostic capability, with Japan operating the world's highest CT scanner density per capita and India's Ayushman Bharat Health Infrastructure Mission funding diagnostic capacity across more than 730 districts. The market is projected to expand as healthcare providers increasingly outsource interpretation to manage around-the-clock obligations. The World Health Organization's workforce data underscores the urgent need for scalable remote solutions, with radiologist density in India near one per 100,000 people.

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Market Segment Insights

BY COMPONENT

Software: Largest segment with 43.1% share in 2025, reflecting worklist orchestration and viewer licensing as the commercial center of gravity. RadNet continues advancing its DeepHealth AI platform through sustained software innovation.

Services: Generated USD 2.28 billion in 2025, dominated by outsourced overnight and subspecialty coverage contracts. Everlight Radiology continues strengthening its follow-the-sun global reader panel.

Hardware: Fastest-growing component at 15.95% CAGR, driven by diagnostic-grade remote workstation and display refresh cycles meeting DICOM calibration standards.

BY MODALITY

Computed Tomography (CT): Largest segment with 34.6% share in 2025, due to high-acuity, time-sensitive reads in trauma, stroke, and oncology protocols.

Magnetic Resonance Imaging (MRI): Fastest-growing modality at 15.65% CAGR, as interpretations skew subspecialty where supply gaps are deepest and per-read pricing highest.

X-Ray: Valued at USD 1.42 billion in 2025, driven by high study volume and emergency department throughput.

Ultrasound: 12.4% share in 2025, supported by point-of-care and obstetric imaging expansion, including handheld units now shipping at under USD 2,500.

Nuclear Medicine: Growing at 14.1% CAGR, driven by oncology staging and cardiac perfusion

applications.

BY END USE

Hospitals: Largest segment with 61.5% share in 2025, driven by 24/7 emergency coverage obligations that most facilities cannot staff internally.

Diagnostic Imaging Centers: Fastest-growing end user at 16.35% CAGR, as remote reading lets operators add scanner capacity without recruiting a radiologist for each new site.

Home Healthcare & Emergency Care: Positioned as a growing channel, catering to urgent care, mobile screening, and tele-ICU interpretation needs.

BY CONFIGURATION

Cloud-Based: Dominant configuration for new deployments, offering subscription economics and eliminating seven-figure on-premise capital commitments.

Web-Based: Significant share, benefiting from zero-footprint viewer access on any device without local installation.

Standalone: Retained in legacy hospital environments, though steadily displaced as vendor-neutral archive migration accelerates.

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Regional Outlook

North America --- Market Leader in Contractual Maturity

North America leads with 40.9% of global revenue in 2025, built on a mature night-hawk coverage industry and dense subspecialty networks. The United States holds 87.4% of the regional market on the strength of Medicare reimbursement parity for remotely furnished interpretations, while Canada's provincial health authorities fund remote reading to serve northern communities. Roughly 6,300 Medicare-certified ambulatory facilities and sustained consolidation---including ONRAD's acquisition of Direct Radiology---have concentrated overnight coverage into a handful of national providers.

Europe --- Second Largest Market

Europe contributed USD 1.98 Billion in 2025, representing the second-largest regional market.

The region benefits from cross-border reading permitted under EU professional-qualifications directives and statutory insurance coverage for remote interpretation in Germany. British trusts spent over GBP 325 million on outsourced reporting in the most recent year, while Norway and Sweden operate national reading networks covering facilities hundreds of kilometers from any resident radiologist. Leading countries include Germany, the UK, and France, where established providers such as 4ways Healthcare and Medica Group hold deep NHS framework relationships.

Asia-Pacific --- Fastest-Growing Market Segment

The Asia-Pacific region is the fastest-growing market, advancing at a 16.85% CAGR. Growth is propelled by India's tier-2 hospital buildout under the national health mission, where radiologist density near one per 100,000 people forces hub-and-spoke reading as the default architecture, and Japan's ageing-driven imaging volumes with the world's highest per-capita CT density. China holds 31.6% of the regional market through provincial imaging cloud programmes, while India posts an 18.9% CAGR. The competitive landscape is evolving with cost-competitive providers such as Teleradiology Solutions leading offshore delivery.

Middle East & Africa and South America --- Untapped Potential

The Middle East & Africa region, valued at USD 0.39 Billion, is driven by sovereign health digitization---including Saudi Arabia's Seha Virtual Hospital routing national imaging interpretation from a single Riyadh hub and the UAE's Malaffi and Riayati health exchanges. South America holds around 5.4% of the global share, led by Brazil's private hospital digitization and centralized reading centres serving distributed imaging sites.

Competitive Landscape and Recent Developments

The Teleradiology Market is characterized by moderate concentration and rapid consolidation, driven by radiologist scarcity and platform-scale economics worldwide. The top five providers hold an estimated 33--39% of contracted revenue, with the structure barbelled between national enterprise platforms and hundreds of regional groups.

KEY COMPANIES AND RECENT MILESTONES

RadNet, Inc. (US): Market leader with an estimated 9--12% revenue share. Operates a vertically integrated imaging centre network with its DeepHealth AI platform and remote reading services, converting algorithmic prescreening into routine workflow.

ONRAD, Inc. (US) (January 2025): Acquired Direct Radiology, creating a combined platform serving approximately 550 healthcare sites and establishing one of the largest independent reading networks in North America.

U.S. FDA (March 2025): Surpassed 750 cleared AI-enabled radiology devices, cementing radiology as the most algorithm-dense clinical specialty and expanding the triage toolset available to remote reading platforms.

NHS England (June 2024): Published imaging network guidance formalizing cross-trust reporting arrangements, effectively institutionalizing outsourced interpretation within regional imaging networks.

Philips (September 2024): Broadened Radiology Operations Command Center deployments in Asia-Pacific, enabling remote scanning supervision alongside remote interpretation at partner health systems.

Other Key Players: Nanox.AI (US), Everlight Radiology (AU), Telerad Tech / Teleradiology Solutions (IN), 4ways Healthcare (GB), Medica Group (GB), Agfa HealthCare (BE), Koninklijke Philips N.V. (NL), GE HealthCare (US), Siemens Healthineers (DE), StatRad LLC (US).

Future Outlook: 2026--2035

The Teleradiology Market is projected to reach USD 26.94 billion by 2035, growing at a CAGR of 15.10%, driven by radiologist workforce shortages, permanent telehealth reimbursement, and cloud infrastructure migration.

New opportunities lie in:

- Expansion into emerging markets with hub-and-spoke reading networks

- Development of subspecialty reading tiers and outcome-linked contracting models

- Investment in de-identified imaging data monetization and AI orchestration layers

By 2035, the Teleradiology Market is expected to achieve substantial growth and innovation, with scale reading capacity paired with defensible clinical governance defining the next decade of competition.

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