

India Diagnostic Imaging Equipment - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

India Diagnostic Imaging Equipment Market Analysis

The India Diagnostic Imaging Equipment Market size is estimated at USD 2.06 billion in 2025, and is expected to reach USD 3.01 billion by 2030, at a CAGR of 7.92% during the forecast period (2025-2030). This growth trajectory reflects the country's shift toward self-reliance under the Production Linked Incentive scheme, which has funded 19 greenfield plants that now manufacture MRI scanners, CT systems, and other devices previously imported. Indigenous innovation, including India's first home-grown 1.5 T MRI scanner expected to cut examination costs by 30-50%, is lowering barriers to advanced imaging adoption. Demand is reinforced by an epidemiological transition marked by rising chronic disease prevalence, an expanding elderly cohort, and a national insurance push that is enlarging the reimbursable diagnostic pool. Meanwhile, multinational vendors are doubling down on AI-enhanced platforms and sealed-helium magnets, while domestic firms leverage cost advantages and policy incentives to challenge incumbents.

India Diagnostic Imaging Equipment Market Trends and Insights

Rise in Chronic Diseases

Diabetes now affects 11.4% of Indian adults, while hypertension touches 35.5%, and cancer incidence is forecast to increase to 549 per 100,000 inhabitants by 2031. These numbers translate into sustained need for CT angiography, multiphase MRI, and PET-CT workflows capable of detecting early lesions and monitoring therapy response. Providers are shifting from single-modality

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rooms to integrated suites that streamline oncologic and cardiometabolic pathways, accelerating capital expenditure on high-slice CT and 3 T MRI. Gender-specific imaging protocols are emerging as women above 60 years show higher non-communicable disease prevalence, influencing scanner throughput planning and coil inventory. The chronic disease surge is therefore rewiring procurement decisions across the India diagnostic imaging equipment market.

Growing Geriatric Population

The number of Indians aged 60 years and above is climbing steadily, with higher life expectancy concentrated in southern and western states. Age-related musculoskeletal degeneration, neuro-degenerative conditions, and cardiovascular remodeling demand low-dose, comfort-optimized imaging systems. Hospitals are adding dual-energy X-ray absorptiometry, low-contrast cardiac CT, and silent MRI sequences to accommodate frail patients who may not tolerate lengthy procedures. In turn, vendors emphasize patient-centric ergonomics such as wide bores, noise-reduction software, and automated positioning, hallmarks now critical to competing in the India diagnostic imaging equipment market.

High Equipment & Procedure Costs

Capital intensity remains a formidable hurdle as MRI and CT scanners can consume 20-25% of a mid-size hospital's equipment budget. Smaller facilities rely on a USD 180 million secondary market for pre-owned units, which now equals 10% of overall medical equipment trade. Stakeholders continue to lobby for GST cuts on X-ray and diagnostic kits, arguing that a lower tax slab would widen adoption. Indigenous MRI prototypes priced 30-50% below imports promise relief, but scale-up hinges on validated clinical performance and after-sales networks, factors that still temper diffusion in the India diagnostic imaging equipment market.

Other drivers and restraints analyzed in the detailed report include:

AI-Enabled and Advanced Imaging Adoption / Insurance Expansion & PPP Programs / Shortage of Skilled Radiologists & Technicians /

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

Segment Analysis

X-ray systems retained 29.23% share of the India diagnostic imaging equipment market in 2024 thanks to ubiquity in emergency and primary care. Computed tomography, however, is projected to post the fastest 8.97% CAGR as cardiac calcium scoring, trauma imaging, and oncology staging protocols proliferate in secondary and tertiary centers. Digital radiography upgrades, driven by lower detector prices and sharper images, are rapidly supplanting analog systems, while AI algorithms now automate fracture detection and tuberculosis screening. High-field MRI installations are also climbing, aided by domestic 1.5 T prototypes slated for clinical validation at AIIMS Delhi, which could shrink scan fees by over 30% and amplify the India diagnostic imaging equipment market size within the segment.

CT vendors increasingly bundle spectral imaging, metal-artifact reduction, and remote service diagnostics, reducing downtime and improving cost-per-study economics. Nuclear medicine retains a niche footprint confined to tertiary oncology hubs, yet PET-CT demand rises as precision oncology gains traction. Ultrasound remains the modality of choice for obstetrics, gastroenterology, and emergency evaluations, but handheld probes are gaining ground in out-of-hospital care. Overall, modality mix evolution underscores how technological sophistication and affordability now co-determine capital budgets across the India diagnostic imaging equipment market.

Fixed installations accounted for 82.41% of the India diagnostic imaging equipment market size in 2024, reflecting decades-old

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infrastructure geared to inpatient imaging and trauma care. Yet mobile and handheld devices are escalating at an 8.12% CAGR, buoyed by government vans serving rural districts and corporate wellness camps. Handheld ultrasound offers 99.11% sensitivity for pediatric pneumonia, surpassing chest X-ray and validating portable diagnostics' clinical utility. Cart-based ultrasound and mobile DR units now include hotspot connectivity, funneling images to cloud PACS for instant reads.

Advances in battery density, wireless data transfer, and rugged casings have broadened deployment in disaster zones and sports medicine. Global Fund endorsements of portable X-ray solutions further legitimize the category. Over time, utilization of mobile scanners redeploys imaging load away from overburdened tertiary centers, expanding the India diagnostic imaging equipment market into new geographies while improving asset ROI.

The India Diagnostic Imaging Equipment Market Report is Segmented by Modality (MRI, Computed Tomography, Ultrasound, X-Ray, Nuclear Imaging, Other Modalities), Portability (Fixed Systems, Mobile and Hand-Held Systems), Application (Cardiology, Oncology, and More), End User (Hospitals, Diagnostic Imaging Centers, and More), and Regional Zone (North India, and More). The Market Forecasts are Provided in Terms of Value (USD).

List of Companies Covered in this Report:

GE Healthcare / Siemens Healthineers / Koninklijke Philips / FUJIFILM / Canon / Shimadzu / Mindray / Samsung Medison Co. Ltd. / Esaote S.p.A. / Carestream Health / Agfa-Gevaert / United Imaging Healthcare Co. Ltd. / Hologic / Wipro GE Healthcare Pvt Ltd. / Trivitron Healthcare Pvt Ltd. / BPL Medical Technologies Pvt Ltd. / Voxelgrids Innovations Pvt Ltd. / J. Mitra & Co. Pvt Ltd. (imaging contrast media) / Neusoft Medical Systems Co. Ltd. /

Additional Benefits:

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

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