

# Healthcare Industry

## Industry Challenges

No sector is changing or growing faster than digital healthcare. Both the challenge and the opportunities are huge for what a Deloitte Healthcare Leader has described as “predictive, preventative, personalized and participatory medicine” - all built with digital technologies. A recent digital healthcare CAGR [forecast by PMI](#) estimates 17.4% growth over the next decade, taking total market size from \$283 BN in 2024 to \$1406 BN in 2034.

Healthcare’s digital infrastructure has traditionally been both centralized and specialized. To enable resilience, support new dispersed networks and research and drive consumer-style multi-device health apps, providers now need an enterprise-style infrastructure. AI also has a growing role: healthcare is one of the areas in which generative AI-driven solutions are already mainstream, pushing innovation and improving patient outcomes worldwide.

Iron Mountain is proud to serve some of the world’s leading healthcare businesses. We work with [more than 2,000 hospitals and 45,000 healthcare customers](#) across our global storage and data center footprint, curating close to a billion patient records and providing the infrastructure for many of the sector’s most successful new applications.



## Industry

Healthcare

## Challenges

- New distributed applications
- Big data and high density power
- Uptime
- Scalability
- Security
- Sustainability

## Solutions

- AI & Hybrid Cloud
- Scalable power
- Secure storage
- Diverse connectivity ecosystems
- Global compliance
- Renewable power and recycling



# Our Data-Driven Healthcare Solutions

## Hybrid & AI Solutions

Hybrid cloud hosting is needed, shifting workloads with redundant direct links to multiple clouds. The new architecture has to extend to the edge, supporting data-hungry IoT and AR/VR devices. And, on the AI side, infrastructure needs to process and distribute massive amounts of data for training and inference, which takes a lot of power.

## Power Density & Growth

One of our customers develops AI-driven diagnostics that are integrated with patient lab data, genomic information and pathologies, helping clinicians achieve better outcomes for patients faster. Their AI processing power is doubling year on year - from 200 to 500 Petaflops, with an Exoflop forecast. This makes the high-density power configurations we offer vital:

“In the age of AI, if you want to be a real player you have to own and run a supercomputer to train advanced AI models. The fact that IMDC is supercomputer-ready is the critical factor for us. If you want your own supercomputer you need a data center that is able to handle all of its many demands.”

## Secure Storage

For many starting out on their digital transformation, ultra-secure storage and access is the main concern. As one of our hospital clients put it;

“We sought an offsite data center provider that could meet our stringent compliance and disaster recovery requirements...we have trusted Iron Mountain with our cloud storage and offsite tape vaulting needs, so adding their data centers operations was a natural fit.”

## Diverse Connectivity

For other customers connectivity needs are more complex. One of our customers provides both on-premise and private cloud-based ICT infrastructure for the industry, supporting the high-speed solutions now needed to support hospitals, mental health care, nursing and home care. Diverse connectivity is critical for them, encompassing Internet connectivity, VPNs, and direct links to end-user sites. For AI users, big data throughput is needed. Petabytes of training data typically come from multiple sources to be processed. To move this around high-speed connectivity, typically 10 Gigabit/s and above, is needed.



## Environmental Impact

Data center providers need to mitigate the environmental impact of the power our healthcare customers use to enable their new applications. Since 2017 we have guaranteed 100% renewable power to our customers, as well as on-site renewable generation wherever possible.

Uniquely in the industry, we have now gone a step further, pledging to provide 24/7 Carbon Free Energy for all customer operations by 2030. This gives a huge boost to customer ESG reporting. We have also built world-leading IT Asset Disposal (ITAD) capabilities, providing secure data destruction and improving circularity (remarketing and recycling) of customer equipment.

## Compliance

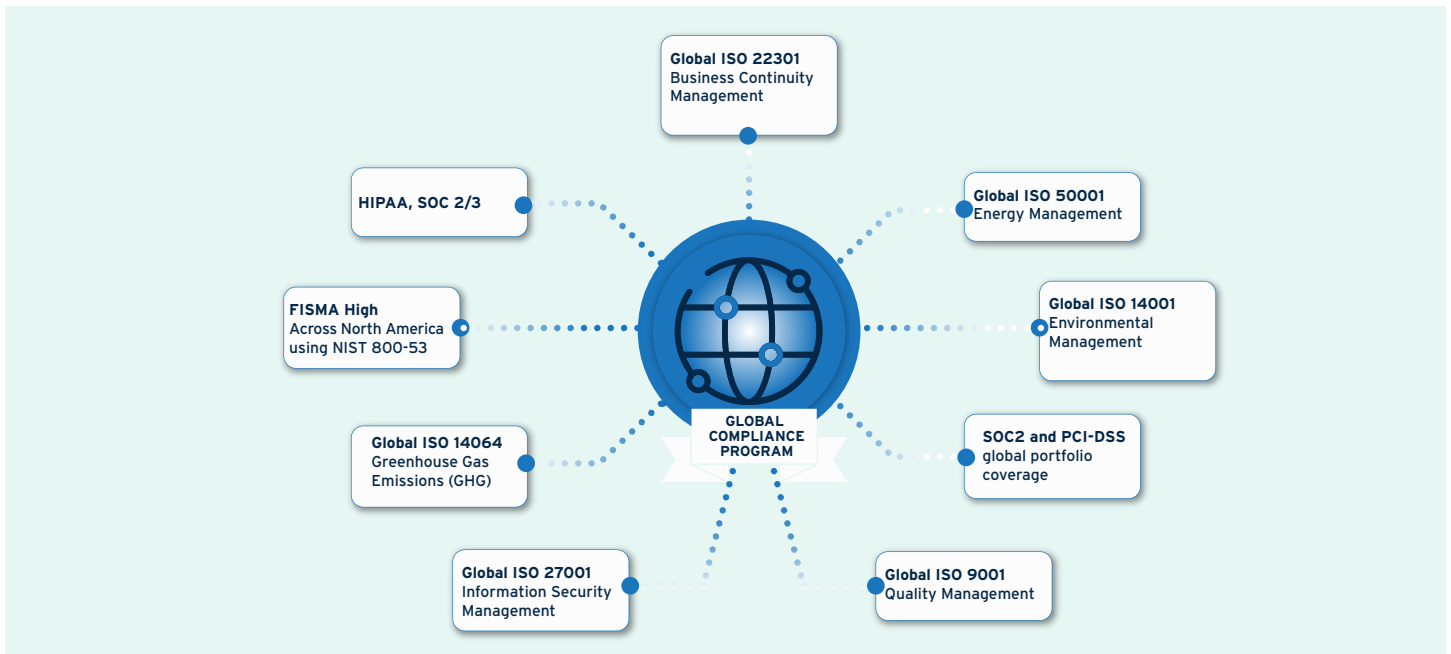
Data privacy and security are the most critical factors for every healthcare customer. Whether a customer needs a data center platform for storage, sharing, training or inference, they need a partner whose standards of compliance match the extremely demanding availability and security criteria of the sector. Compliance is also increasingly vital as services become API-driven.

Iron Mountain Data Centers is an acknowledged leader in colocation compliance. Standards include ISO 27001, SSAE18 SOC 2 (Type II)/SOC 3\*, PCI-DSS, ISO -50001. Region-specific certifications are also key; in North America, NIST SP 800-53\*, FISMA HIGH, FedRAMP and HIPAA (Type I); OSPAR in Asia; ISO 450001 and 9001 in EMEA.

## Trust

For our healthcare customers their new digital solutions need to be housed by a partner they can trust. As one of our longest-standing customers, a leading healthcare PaaS, put it;

“Certifications are the proof, but the paperwork on its own isn’t enough. The trust in the relationship behind them is even more important. We trust Iron Mountain to the same extent that our clients trust us.”



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### About Iron Mountain Data Centers

Iron Mountain Data Centers operates a global colocation platform that enables customers to build tailored, sustainable, carrier and cloud-neutral data solutions. As a proud part of Iron Mountain Inc., a world leader in the secure management of data and assets trusted by 95% of the Fortune 1000, we are uniquely positioned to protect, connect and activate high-value customer data. We lead the data center industry in highly regulated compliance, environmental sustainability, physical security and business continuity. We collaborate with our 1,300+ customers in order to build and support their long-term digital transformations within our 4M+ SF global footprint spanning 3 continents. For more information, visit [www.ironmountain.com/data-centers](https://www.ironmountain.com/data-centers).