

Secure Your Clinic with IT Modernisation



The true value in delivering the best healthcare experience lies in enhancing patient safety and optimizing clinical operations. However, UK healthcare organizations, striving to achieve this goal with legacy systems, face rising cyber threats and operational inefficiencies. High-profile cyber incidents and increasing pressures from the Competition and Markets Authority (CMA) and Private Healthcare Information Network (PHIN) mandates make modernization critical.

Sonata offers comprehensive IT infrastructure modernization, addressing cybersecurity and compliance challenges while prioritizing patient safety and developing experience designs across clinicians, patients, and administrators—all cost-efficiently. Our solution embraces a digital-first approach, helping a leading UK clinic to expect £51M in cost reductions and a 2-3x increase in data interoperability.

Challenge: Cyber Threats & Compliance

UK healthcare organizations stand at a crossroads in the battle against cyber threats and operational inefficiencies. High-profile hospitals like King's College Hospital NHS Foundation Trust and Guy's and St Thomas' NHS Foundation Trust have recently faced crippling cyber incidents, exposing millions of medical devices to ransomware attacks.

An alarming reality: 24% of hospitals globally reported higher mortality rates post-cyberattacks. The devastating 2017 "WannaCry" ransomware attack cost the NHS £92 million and canceled 19,000 patient appointments.

UK healthcare providers also grapple with stringent compliance requirements from the CMA and PHIN, adding complexity to the reporting processes.



Why Move Away from Legacy Infrastructure?

Meeting CMA and PHIN reporting mandates with legacy systems is nearly impossible, requiring manual, error-prone workarounds that consume valuable time and resources. Failure to comply risks significant fines and burdensome paperwork for UK private healthcare companies.

Also, healthcare organizations are becoming prime targets for cybercriminals. Globally, 60% of healthcare organizations faced cyberattacks last year, with only 24% disrupting ransomware before data encryption.

30-50% of IT services in many NHS organizations are outdated, making them prime targets for cybercriminals.

Legacy systems' vulnerabilities attract cyberattacks, highlighting the urgent need for modernization.



What Sonata Offers

A comprehensive IT infrastructure modernization for healthcare organizations.

Sonata’s comprehensive IT modernization solution addresses the dual challenges of rapid external changes and an ageing IT estate.

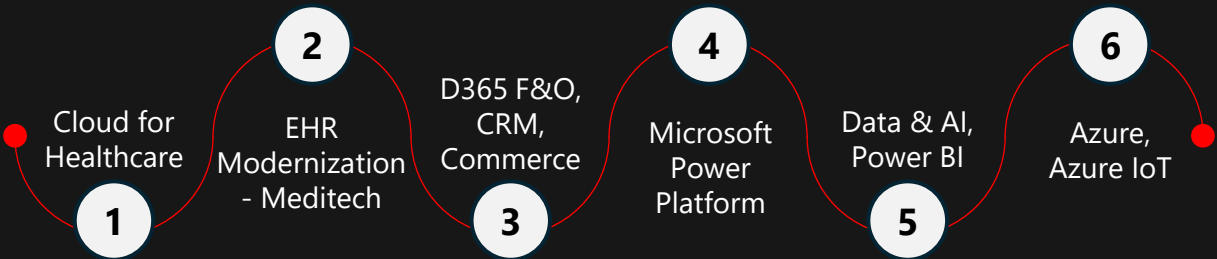
While transitioning business-as-usual (BAU) operations is a priority, our approach also sets the foundations for future digital transformation.

Who Does the Solution Primarily Help?

Patients	Enabling patients to access care quickly, view personal health records on-demand, and receive proactive care.
Clinicians	Gain better access to digital tools and patient records, improve care planning and delivery through data analysis, innovate in their field, and communicate more effectively.
Healthcare Clinics	Enhance clinical excellence, increase productivity, optimize asset utilization (beds, appointments, diagnostics), and offer new specialties in new locations through interoperability.

Sonata has expertise in various aspects of the healthcare industry, including patient experience enhancement, health analytics, R&D, seamless collaboration within healthcare teams, and comprehensive health data services such as FHIR and common data models.

Technology used in the solution:



Sonata's Modernization Solution for a Healthcare Clinic in the UK

A prominent and advanced clinic, popular in the UK, was eager to move away from physical data centers, adopt self-maintaining SaaS-based applications, and regain control of its operating environment. They sought better utilization of patient and population data, and a clearer understanding of their income, revenue, and expenditure.

Sonata proposed a three-phase solution focused on freeing up OpEx and delivering quick wins:

- **Run Operations:** Transition BAU from the current vendor with minimal risk, enhance SLAs with optimal right shoring and automation, and adopt a cloud-first and security-first approach.
- **Modernize Applications:** Secure the legacy stack, modernize infrastructure and platforms, unify data layers, and adopt modern engineering practices.
- **Transform Experience:** Re-imagine patient and clinician experiences, enable new clinical practices with full interoperability, and digitize and automate back-office operations.

Benefits Expected:

The modernization efforts are expected to yield approximately a 10% improvement in clinical process efficiency, including patient scheduling. Clinicians will benefit from an integrated and connected experience, and a 2-3x increase in data interoperability, enabling personalized medicine and preventive care.

Value Pillars:



Cost:
£51M
in cost reductions
over 10 years



Experience:
£13.2M
innovation investment
and a culture of
partnership.



Culture:
**Significant
cloud estate**
deployment within one year.

This initiative is aimed to elevate operational efficiency, patient care capabilities, and overall clinical safety through advanced technology solutions. By moving to a Sonata-based IT approach, the clinic has set the stage for a rapid digital transformation, enabling new models of care, including remote diagnostics and telehealth services.

Solution Differentiators

- Harmoni.AI (Sonata's responsible-first AI platform) for stabilization and optimization
- Cloud optimization with Sonata's CMP tools for CloudOps, FinOps, and DataCenterOps
- Process optimization through ITIL process automation
- Finance automation with Gen AI and RPA accelerators
- Modernization and Platformation accelerators
- Data interoperability with IntelliPipe and Intellidomain
- Lightning Build for API development and integration acceleration
- Document reading and content analysis tools



About Sonata

Sonata is among the top 1% of Microsoft D365 partners & Microsoft Fabric for Healthcare. With a billion-dollar revenue, 38 years of experience delivering outcome-based modernization services, and over 7,000 employees, we have successfully served 30+ clients in healthcare and life sciences for 20 years. Sonata has maintained a presence in the UK and Europe for over 25 years.

Contact Us

If you are a healthcare organization looking to transform your IT infrastructure and achieve similar success, [contact Sonata](#) today. Let us help you modernize, secure, and innovate your operations, setting the stage for a more efficient future in healthcare.