



Health and Life Sciences

Expert care for health and life sciences ICT



Digital transformation — improving healthcare outcomes

For providers in the healthcare and life sciences community, delivering better services and improving outcomes for patients and service users — while keeping costs under control — are the top priorities.

Digital transformation has a major role to play in achieving these ambitions, as plans and policies such as the Five Year Forward View, 2020 Vision, paperless NHS targets, Local Digital Roadmaps, and Sustainability and Transformation Plans all emphasise.

Switching from traditional ICT models — which depend on in-house infrastructure and are typically complex to manage and expensive to upgrade — to more flexible cloud-based services can help accelerate the transformation.

Cloud makes it easy to scale capacity in line with needs, and offers opportunities to make significant cost savings. The right cloud services also come with extensive security, data protection and business continuity capabilities built in.

Innovative apps that help improve patient services, give individuals more control over their care, support more efficient working practices, and facilitate collaboration on large-scale research projects, can all be developed and hosted on UKCloud's secure, sovereign, resilient cloud platform.

We work closely with system integrators (SIs), managed service providers, app developers, ISVs and other partners, who specialise in developing and supporting the apps that are helping to revolutionise clinical and patient services, and medical research.

This brochure describes services from just a few of our 200+ partners, for whom our platform provides a trusted, hyperscale cloud, connected to all government networks, on which to host their apps.

UKCloud: key characteristics

- 1 Connectivity.** We're the most connected cloud provider to secure government networks. We're a certified PSN service provider with aggregator status for the N3 network and are also connected to JANET and the RLI.
- 2 A proven platform.** We're delivering solutions across the healthcare community to Genomics England, Great Ormond Street Hospital, NHS Digital, NHSBSA, North Thames GMC, Royal Brompton & Harefield NHS Foundation Trust, and many more.
- 3 Security.** Assured to host PID, our services are suitable for all data at OFFICIAL (including OFFICIAL-SENSITIVE) — and because we're a UK-sovereign provider using only UK data centres, your data will never leave the UK.
- 4 Unparalleled support.** Extensive customer support provided at no extra cost; and we'll help you specify, implement and optimise your solution. You'll also have a single point of contact for queries or service issues, as well as access to a 24x7 service desk.
- 5 Cost efficiency.** Simple hourly charges, pay only for what you use.

Applications powered by UKCloud

A selection of the innovative applications, securely hosted on the UKCloud platform, delivering new capabilities to the health and life sciences community.

Clinical and research analytics

Aridhia AnalytiXagility

Common themes emerge across research and healthcare: that collaboration, information governance and consumerism are key to accelerating innovation.

AnalytiXagility is a collaborative data analysis platform delivering secure, auditable workspaces that help multidisciplinary biomedical research, precision medicine and healthcare teams engage around data from multiple systems and sources, simplifying collaboration, improving research quality and facilitating high levels of reproducibility.

A cloud-based subscription service delivering access to collaborative analytic workspaces, AnalytiXagility comes pre-loaded with state-of-the-art database capability, analytical and communication tools, technologies, apps, and APIs, while adhering to stringent information governance standards.

- Provisioned on-demand, scalable, and pre-configured to individual requirements
- Supports information governance, Caldicott and ISO27001 standards
- Secure pan-government accredited hosting at Business Impact Level 2
- Templated Population Health & Integrated Care and Precision Medicine environments

Data capture, storage and analytics

MyLife Digital Consent Auto Analytics

Healthcare and life sciences organisations will have collected data about individuals over time, which will be stored in a fragmented way across a variety of systems and locations. This makes it very difficult to correlate the data or extract insights from it.

The Consentric Auto Analytics service changes the game for both historical and new data, by:

- Capturing self-reported and observed datasets about individuals
- Providing centralised management and secure cloud-based storage of all the datasets relating to each individual
- Integrating personal data with external datasets
- Providing surveying capability and analytics reporting

The apps are highly scalable and flexible. As well as being configurable for a healthcare or life sciences deployment, it offers multiple user roles with a customisable interface for each one, and allows users to work both online and offline.

Data usage consent management

MyLife Digital Consentric Permissions Service

Managing data usage consents is becoming more complex, as new and emerging data protection and privacy legislation puts new obligations on healthcare and life sciences organisations which process data about individuals.

The Consentric Permissions Service simplifies the challenge, helping organisations to maintain compliance and build trust and engagement among citizens, patients and employees. It also helps to open up new analytics streams by letting health consumers give explicit consent for a wide range of data processing purposes.

Key features include:

- An organisational view of an individual's consent status
- Granular control of access rights, and of data types and processing purposes
- Enormous scalability

Individuals manage their consents via an easy-to-use dashboard and a 'right to erasure' feature.

Digital health tools

Digital Healthcare Management Connected Care

When patients are far from healthcare professionals, regularly monitoring their condition can be a time consuming challenge for everyone involved. With Digital Healthcare Management Connected Care, there's no longer any need for a patient to make regular clinic visits for their health to be monitored.

Connected Care provides fully managed health kits as mobile apps. Patients use their smartphones to work through care plans and monitoring which are specific to their condition.

Connected Care integrates with clinical systems and can be easily activated on a large scale. One-touch videoconferencing enables virtual visits with clinicians, who also have access to documentation such as clinical reports and customisable evidence-based care plans.

Already proven in the US by Vivify Health, Connected Care:

- Is well liked by patients
- Saves time and money
- Reduces in-patient and emergency admissions
- Improves the direction of outpatient resources

Digital patient records

Targett Business Technology (TBT) / RIVIAM Digital Care

It's not easy to deliver care in the community efficiently if healthcare professionals have to work with multiple paper records. RIVIAM streamlines the task with a secure digital patient record. It includes a series of referral management and pathway services that support the delivery of care across mobile and web-based interfaces on the internet and N3.

Using RIVIAM supports the paperless NHS agenda and the NHS 5 Year Forward Plan by allowing new services to be mobilised cost-effectively, enabling service providers to collaborate on delivering care to patients at home – improving lives together. RIVIAM:

- Allows new clinical services to be supported quickly with a single view of the patient or service user
- Includes mobile and web interfaces allowing operational models to be designed around the needs of the service, not the technology
- Interfaces with NHS Digital services such as MESH for document delivery and GP systems

Video calling and collaboration

Cinos HealthConnect

Many primary care services are already operating at the limit of their resources, yet still need to deliver more, especially in the face of a growing and ageing population.

Using Cinos HealthConnect, primary care services can provide responsive and accessible GP consultations securely via video, enabling them to:

- Pool GP resources more easily
- Offer both ad-hoc and queued appointments
- Meet policies relating to extended hours working and seven-day practices
- Enhance diagnostic capability, compared with phone appointments
- Increase patient satisfaction by being more flexible about appointments, and meeting their expectations around using technology to interact with GPs

About our SI, app developer and ISV partners

These are just a few of the 200+ partners working with us to support the health and life sciences community on its digital transformation journey.

Aridhia

Aridhia was founded on the principle that bringing about real change requires a multidisciplinary, collaborative approach to innovation.

Our team consists of data scientists, information governance specialists, computer scientists, software developers and healthcare experts who work closely with the NHS, research organisations, life sciences companies, IT service providers and patients to support their ambitions to accelerate clinical research and transform theory into practice.

Through AnalytiXagility, we enable the execution of collaborative business models and research projects including pre-competitive drugs trials, multi-institution and cross-border data-driven precision medicine initiatives, and integrated healthcare programmes.

Cinos Communications Services

Part of the Cinos group, Cinos Communications Services offers services in five areas: enterprise networking, unified communications and collaboration, collaboration networks, connectivity and cloud. We strive to lead with innovative solutions and services that make a real difference to our customers.

We are consultancy led, using workshops, audits and reporting services to understand a customer's objectives and current state, and design and deliver the right solution. Our people are appropriately certified and accredited, and use their skills and drive to achieve the best outcomes for our customers, including optimum value for money

Cinos is the first partner to deliver market-leading Cisco Unified Communications services from the UKCloud platform.

Digital Health Management

Digital Healthcare Management provides an end-to-end patient health monitoring system, enabling quality care to be delivered anywhere at low cost using mobile consumer electronics.

The company is led by a CEO with more than 30 years' experience in the healthcare sector. She has extensive knowledge of legislative requirements and national drivers for change, and is passionate about outcomes for patients and clinicians.

A Goldman Sachs report on a US implementation of the patient health monitoring system indicated 95% patient satisfaction, 50% of clinic visits replaced by virtual visits and a 50% reduction in re-admissions.

MyLife Digital

MyLife Digital's mission is to empower organisations and individuals to realise the meaning, value and power of their data. Our services enable organisations to rethink individuals' personal data to deliver change.

We've built a digital application platform that connects organisations to individuals to generate insight from informed consent in a variety of ways. As well as helping organisations comply with data protection obligations, our services help them build deeper, more trusted relationships with employees, patients and citizens.

Targett Business Technology (TBT) / RIVIAM Digital Care

RIVIAM is an information management and technology company that provides innovative cloud services to the health and social care sector in the UK.

We work with NHS community, primary care and acute providers, and with independent sector organisations that have NHS or local authority contracts, all of whom use our digital care platform to integrate and deliver care services.

Managed services on the UKCloud platform

A selection of the managed services helping the health and life sciences community migrate smoothly to the cloud and get the best from cloud-based apps.

Managed cloud

Egton Managed UKCloud

Migrating to a secure cloud solves many infrastructure challenges, but not every organisation has the resources to manage a cloud platform to best effect.

Through its Managed UKCloud service, Egton provides healthcare organisations with secure, managed hosting of PID and other critical data on the UKCloud platform, with effective risk mitigation and robust business continuity capability.

A similar service provides app developers and ISVs with a managed cloud platform on which to host their apps, enabling them to go to market backed by Egton's credibility and experience in the healthcare market.

Egton IT support services

When a healthcare organisation rolls out new cloud infrastructure, it may want the peace of mind of specialist support — both during the implementation phase and once the infrastructure becomes fully operational.

Egton's IT support services are tightly coupled with its Managed UKCloud service, and provide support for the end-to-end technology delivery across a hospital or practice setting.

The customer has the convenience of a single number to call at any time of the day or night to get UK-based support for its cloud infrastructure.

About Egton

Part of EMIS Group, Egton has more than 20 years of experience in healthcare IT.

We use that experience to help enable digital transformation in NHS organisations, using technology to reduce operational expenses, increase efficiency and, ultimately, improve patient care. From infrastructure to intranets, Wi-Fi networks to websites, we have the knowledge and expertise to deliver solutions designed to work for you.

We understand how quickly technology, as well as the expectations of people using it, can change. We are perfectly positioned to meet and exceed those expectations and help you get the most out the technology available.

Our combination of technical, strategic, development and project teams, backed up by our 24/7/365 support function, will give you the confidence to deliver an IT-driven experience for healthcare professionals and their patients.

About UKCloud

UKCloud provides a true public cloud for the exclusive use of UK Public Sector organisations. We are dedicated to helping our customers gain value from the agility and cost savings of using a sovereign, assured cloud platform.

Focusing solely on Public Sector customers, we are able to provide a leading cloud proposition that delivers outstanding value and capability. This ultimately benefits the UK taxpayer, citizens and businesses by enabling Public Sector organisations to deliver better services through technology.

Here's how:

- **We're focused on cloud.** Delivering a true cloud platform that is massively scalable, flexible, assured and cost-effective — and customers only pay for what they use.
- **We're open.** You are never locked in. Using industry standards and open source software our platform gives customers the flexibility and choice to transition and transform their applications and deploy across multiple cloud solutions.
- **Dedicated to the UK Public Sector.** Our business is designed specifically to serve and understand the needs of public sector organisations, and is UK sovereign, with UK cleared staff and we pay UK taxes.
- **We develop communities.** We bring together communities of users that are able to share datasets, reuse code, test ideas and solve problems that enhance services and benefit the UK citizen.
- **Customer engagement.** We will only be successful if our customers are successful. We embody this in the promise: Easy to adopt. Easy to use. Easy to leave.

Supporting both cloud native and enterprise applications — based on VMware, OpenStack and Oracle stacks — the platform is used extensively to host both citizen web applications, and internal facing applications only available through secure government networks.

Our industry-leading platform is built on the unique and cutting-edge technologies of the UKCloud Cloud Alliance — QinetiQ, VMware, Cisco, EMC and Ark Data Centres — which continually drives innovation and product development, at the lowest price to meet the needs of the UK Public Sector.

Additional information about UKCloud can be found at www.ukcloud.com or by following us on Twitter at [@ukcloudltd](https://twitter.com/ukcloudltd)

UKCloud. The power behind public sector technology.

Ready to find out more?

Call us on **01252 303 300**

Email us at sking@ukcloud.com

Visit us at

ukcloud.com/health-and-life-sciences-sector

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