

Integrated Data Platform

G-Cloud 15

About CF

CF is a leading consultancy with a purpose to **make an enduring impact on health and healthcare**. We work with leaders and frontline teams to improve health, transform healthcare, drive adoption of innovation and create value through investment.

Our mission is to **be invaluable to our clients, supporting them to innovate and make lasting improvements and to build an exceptional company that attracts, develops, and retains a trusted and uniquely talented team.**

Our consultancy serves the entire healthcare sector, from payors and providers of care, to life science companies, health tech and sector suppliers. We provide **end-to-end services**, spanning strategy to implementation, accelerated by data, digital and AI. We shape opinion through evidence-based thought leadership on the key issues affecting health. With **unmatched ability to access health data**, our consultants are a driving force for delivering positive and meaningful change.

We help systems and organisations realise transformative change, to drive improvements in quality of care and performance. We inspire clients to innovate and sustain change, through a trusted, talented, and dedicated team. Our partners lead all our work and bring decades of experience from within the NHS.

Our work with health systems includes partnering with public and private providers of all kinds of care, as well as their commissioners and regulators. We **work at every level** — national, regional, and local — **supporting health systems to improve** from a strategic, performance and organisational perspective.

We are passionate about healthcare, **improving outcomes** and **reducing health inequalities** through consultancy and the application of data and tools. CF is proud to have **won multiple awards** recognising our ability to partner with the NHS (including throughout the Covid pandemic), support the transformation of care, enable action with data and set the agenda through thought leadership.

Some of the awards we have been recognised with include:

- Gold in Healthcare and Silver in both Pharma & Life Sciences and Management categories Consultancy.ME 2025)
- Highly Commended in Change and Transformation in the Public Sector & Best Use of Thought Leadership categories - finalist across five categories (MCA 2025)
- Top UK Healthcare, Pharma and LS consultancy (consultancy.uk 2023)



-
- Finalists across five categories (MCA 2023)
 - Finalists across three categories (HSJ 2023)
 - Project of the Year, Performance Improvement in the Public Sector and Strategy (MCA 2022)
 - Best Healthcare Analytics Project for the NHS (HSJ 2021)
 - Best Consultancy Partnership with the NHS (HSJ 2020)
 - Best Consultancy Partnership with the NHS (HSJ 2020)
 - Best Healthcare Analytics Project for the NHS (HSJ 2020)
 - System and Data Integration (HSJ 2020)
 - Change and Transformation in the Public Sector (MCA 2020)
 - Best use of Strategy (MCA 2020)
 - Thought Leadership (MCA 2019)

Our data and cloud capabilities

We believe that we are uniquely positioned to support you in this work for several reasons:

- **Award winning analytics.** Our Data Innovation team have won Best Healthcare Analytics Projects and the Best Provider for Healthcare Analytics in multiple HSJ Awards.
- **Unparalleled data access.** We have access to more healthcare data in the UK than any other consulting company
- **Best in class security. We conduct regular penetration testing via trusted security experts.** Privacy is enhanced through our Amazon Virtual Private Cloud (VPC) in a logically isolated virtual network where all our services are controlled using best in class two factor authentication providers
- **We subscribe to an “infrastructure as code” philosophy** where all our software and service infrastructure is documented and controlled through auditable and shareable code allowing rapid deployment, reduced management costs and increased efficiency
- **All our software is comprehensively logged and auditable** to ensure any issues with service provision are identified, communicated, and ameliorated as quickly as possible



Integrated Data Platform

Service overview

Recognising the value of accessing a well-organised healthcare database, CF offers a tool with an intuitive interface that eliminates barriers to access such as technical knowledge of SQL or data structure. The Integrated Data Platform is a fast and reliable web-based data query tool that helps users access the new NHSE data repository. Powered by CF's internal data warehouse, the tool helps users access vital healthcare data using pre-defined templates, saved queries and a web-based SQL editor. Our data warehouse holds the largest independent NHS Data Access Request Service (DARS) dataset in the UK, including inpatient, outpatient, A&E, community, prescribing, mental health and workforce datasets. This enables rapid, repeatable access to over 57 million patient level records across 35 datasets.

Data from the DARS is hosted in a Virtual Private Cloud within Amazon Web Services; however, the request would be made accessible through your network using a VPN to allow any staff member to make use of new data. More widely, the vision and aims of the Integrated Data Platform tool are to support analysis of healthcare data (e.g., by Analysts, Consultants, Commissioning Managers, etc.), so that individuals with a more technical background and those without, have equal opportunity in accessing and using it.

This service is intended to help you develop and deliver benefits to your organisation. CF works together with clients to understand their specific requirements to help tailor the best approach. Please contact us on contracts@carallfarrar.com to discuss your needs further.

Who the tool is for

The Integrated Data Platform tool can be used by different groups across your organisation. Examples of potential user groups are shown below:

1. Healthcare analysts and consultants
2. Wider NHS ICS analysts and consultants
3. NHS ICS commissioning managers
4. Business Intelligence

What the tool does

The Integrated Data Platform is simple-to-use and is designed to be accessible to all users, regardless of their familiarity or technical background in healthcare data. The interactive and customisable interface was developed with the consideration of robust end-user feedback, better reflecting the needs and concerns of those using the platform. The tool is also based on our extensive experience supporting systems to resolve similar issues in accessing an organised channel for healthcare data.



Some of the key features of the tool are listed below:

- Data health check map based on latest-reliable data, including automated data quality validation
- Quick and easy access to high-quality healthcare data
- Seamless user experience through interactive and customisable interface designs
- Variety of templates for SQL and no-code options for queries (including the ability to create, save and modify queries)
- Includes a web-based SQL editor (that requires minimal technical background understanding of programming language or data structure to use)
- Equipped with a data dictionary feature to look up what the column(s) mean to help users when they are creating their report
- AI-powered query assistant helps users generate SQL or no-code queries, validate extract logic, and improve reporting efficiency, using domain-trained prompts and guardrails to ensure results are correct and safely aggregated

The Integrated Data Platform tool is based on a secure cloud platform and can be accessed by multiple users from multiple locations. Aggregated data accessed from the platform can be downloaded as a .CSV file.

Benefits

- Minimal SQL knowledge is required to use the tool to its full capacity, including an option for a non-SQL mode to support all users, powered by AI
- Allows users of all levels to have fast, easy access to a wealth of healthcare data for analysis
- Enables effective reuse of queries and templates across the organisation that saves time in the development of analysis in the long run

How we set up the tool

The data from NHS DARS is hosted by AWS in our secure Virtual Private Cloud environment to allow any staff member to make use of new data. Note: all data flows – including ingestion, transformation and refresh processes – are orchestrated by CF, using infrastructure-as-code, pipeline monitoring, version control, and auditable deployment workflows

Onboarding and support packages

CF provides the full range of services needed to support deployment, integration and ongoing usage of the tool. We provide a core analytical support package with the option for additional consultancy support depending on your organisation's requirements. The packages we offer are detailed below. We would be happy to discuss your specific



requirements to tailor the best support we can offer. The three levels of support we offer are detailed below:

1. The analytical support package (core)

The core package includes analytical support for:

- Mobilisation:
 - Agree project goals with a lead organisation (to be nominated locally)
 - Issue a data request to each provider within scope
 - Ensure information governance is in place, working with local organisations to complete data privacy assessments and implement data sharing agreements
- The initial setup of the tool, which usually requires around 12 days of support from our Data Innovation Lead. This involves:
 - Three “**train the trainer**” sessions provided onsite
 - The **ongoing licence fee**, which covers data hosting, processes and regular (e.g. monthly or weekly) refresh. We work with each data provider to set up data feeds into the tool – via a secure FTP – at an agreed time interval (likely weekly or monthly), so that the data is automatically loaded into the tool on an ongoing basis)

2. The consultancy support package (optional)

We offer three different optional consultancy support packages to choose from in year 1 and beyond:

- **Bronze: Two weeks** of initial consultancy support to build an example plan from the data based on best practice; this support is led by senior leadership (Associate Partner), supported by a full-time Consultant and full-time Analyst
- **Silver: Four to six weeks** of consultancy support to understand the key drivers and align key stakeholders around strategic priorities to address; this support is led by senior leadership (Partner), supported by full-time team (Manager, Consultant, Analyst)
- **Gold:** As Silver, but with **additional quarterly reviews** over a year to agree priorities; this includes four weeks of additional support (spread over four quarters), led by senior leadership (Partner), supported by a full-time Consultant and full-time Analyst

Our consultancy support is also discounted to reflect economies of scale (e.g. through joint system workshops).

3. Further bespoke consultancy support (optional)

We can also provide additional consultancy support to deploy the tool. The scope and cost will be agreed on a bespoke basis but might include:

- Further product development (such as including other data sources or metrics)
- Support to build an integrated dataset with data warehouse
- Support to develop information governance solutions



- Support to understand existing plans and facilitate agreement to a plan across different providers and commissioners
- Facilitate workshops with clinicians and other colleagues
- Organisational development to support local organisations to deliver the plans

Security and Information Governance

Collective planning is often difficult because of issues around sharing data and information governance. As part of our support, CF will go through a robust information governance process which includes:

- Understanding the information governance requirements of each organisation
- Supporting organisations to complete data privacy assessments, where required
- Co-developing and implementing data sharing agreements
- Ensuring compliance with NHSE requirements

