

Graphnet CareCentric

The UK's most widely used electronic
health and shared care record



Welcome

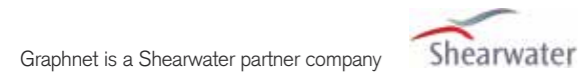
Graphnet Health was formed 19 years ago and is today the UK's leading supplier of interoperable clinical software solutions to the NHS and care services.



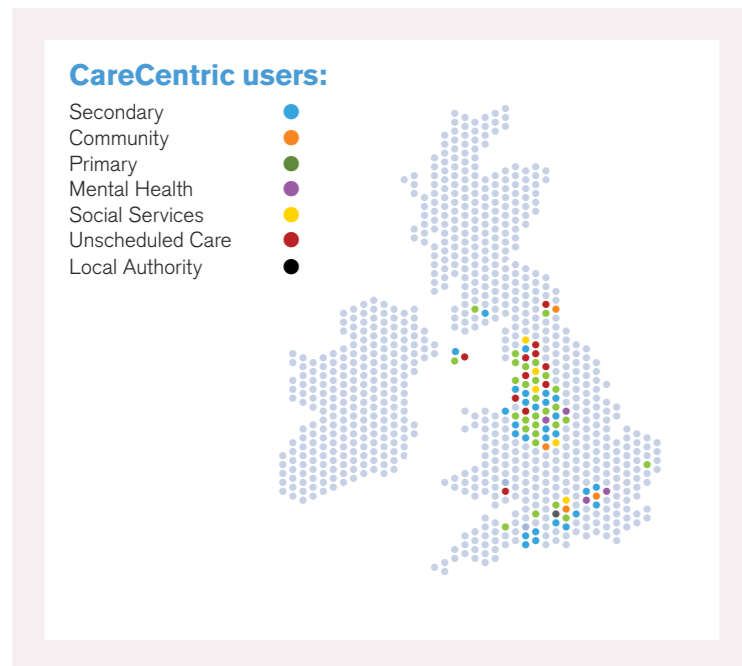
We are a British company with a pedigree as a healthcare and IT specialist. All our products are designed by clinicians specifically for use in the UK health and social care system. Our products are tried, tested and relied on by thousands of clinicians every day to make clinical decisions.

Graphnet has unrivalled deployment and support experience in the field of data extraction, business intelligence and the creation of cross-community health records. Our team of experts work on every deployment and are also available for consultancy services. We have successfully deployed over 35 CareCentric solutions, which include extractions for over 1,000 GP practices.

Graphnet's ethos is to work closely and collaboratively with our customers and IT partners. Our mission is to make a lasting difference to the quality of care by supporting the delivery of integrated NHS and local authority care services.



Graphnet is a Shearwater partner company



Well liked and used by clinical staff across the community

Graphnet solutions are in place throughout our organisation and have been a key component in helping us continue to deliver a high standard of patient care. The systems are well liked and used by clinical staff – not only in our Trust, but also in our neighbouring acute hospitals and the Dorset community, enabling us to provide improved cross community care.

Tracie Tiller, Applications Manager, Poole Hospital NHS Foundation Trust

The system keeps a record of allergies

The system keeps a record of allergies and this is very important information when prescribing other medications.

A&E Consultant, NHS Telford & Wrekin

It's fantastic!

It's fantastic for us on the admissions unit. We used to request GP faxes from surgeries to obtain medical histories and we had to wait for the faxes to come through, which delayed our work and the supply of patient medication.

Hospital Pharmacist, Trafford

Enhancing timely care

The new electronic record allows appropriate colleagues to find the patient's story without them having to tell it all over again, either when they are in crisis, or for a simple enquiry. Colleagues can communicate with each other about progress and events easily and promptly, enhancing timely care.

Clinical lead for the project, NHS Western Cheshire

CareCentric

Integrating NHS and local authority care services. Uniting communities, sharing care.

The CareCentric product suite is designed to support the delivery of integrated NHS and local authority care services, allowing clinicians to work safely and effectively across disciplines and across organisations. It comprises the following core modules.

CareCentric Highway integrates data from a wide range of health and social care IT solutions and makes that data available on a single platform. Highway is being used to link and integrate data from hundreds of systems across the UK and is preconfigured to extract and integrate data from all the main GP, acute, community, mental health and social care systems.

CareCentric Gateway is an Electronic Health Record and portal which presents users with a unified view of the data extracted by Highway. It provides a single care record which allows multidisciplinary teams from multiple care settings to work together to deliver a coherent, integrated service to patients and clients.

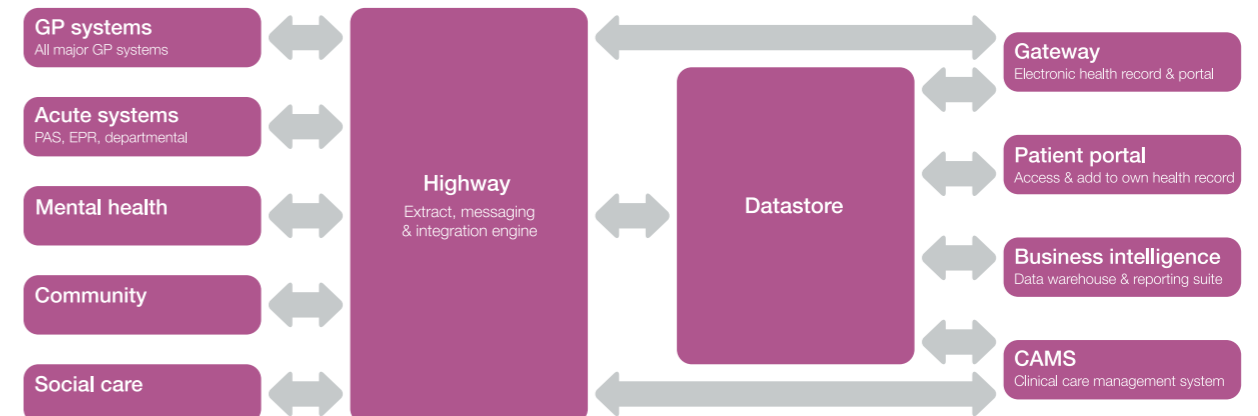
CareCentric Patient Portal allows patients to log in from home and access their own records. Organisations are able to define the type of data which will be shared with patients and how it will be displayed. The patient portal includes all the security controls you would expect from this type of solution, including secure registration and high security password management.

CareCentric BI is a data warehouse and reporting suite that sits on top of the CareCentric data store and allows users to develop standard and ad hoc reports. The solution is based on Microsoft SQL Server Reporting Services and can be supplied with a range of templates including QOF, risk stratification and operational and management reporting.

CareCentric CAMS, our care management system, is a comprehensive clinical system which can be supplied preconfigured to support speciality activity – with a particular focus on long term conditions – but can also be configured to meet local requirements. Functions include data collection, assessments, results reporting, workflow and care pathways.



The CareCentric Product Suite



The benefits of CareCentric

Every CareCentric deployment brings a number of headline benefits.

Each CareCentric deployment is unique. Graphnet works in partnership with its customers to help them identify, monitor and realise benefits over the life of their project.

However, there are a number of benefits that can be achieved with every CareCentric deployment.

- ✓ CareCentric shares key patient data across the entire care community. This means clinicians can access a full patient record at every point of patient care without having to request information from other care providers.
- ✓ The solution provides a platform for multidisciplinary and multi-provider assessments and care management. This makes it easier for groups of clinicians to work together on a care pathway, increasing patient safety and eliminating duplicate data entry and records.
- ✓ All of the data extracted and entered into CareCentric is available for reporting and analysis, making it easier to monitor the progress and effectiveness of care across the community.
- ✓ CareCentric integrates with IT systems already in use by care providers, avoiding the waste of 'rip and replace' solutions.
- ✓ CareCentric can be deployed incrementally against a phased project plan to meet the user's financial and resource requirements.
- ✓ The data stored within the CareCentric data store forms a medico-legal record making it simple to review a patient's care and produce evidence of data used to make clinical decisions.
- ✓ CareCentric includes comprehensive role-based access and audit facilities which are used to give providers and patients confidence that their data will be well managed and kept secure.
- ✓ Graphnet adopts a collaborative partnership approach to each project, making it easier to respond flexibly to changing requirements.



The UK's most widely used EHR

CareCentric holds data on more than 17m patients and is used by over 30,000 care professionals.

Graphnet's CareCentric product suite is already providing secure electronic patient records across GP practices, hospitals, mental health trusts, social services departments and whole local health economies.

In Hampshire, for example, thousands of clinicians rely on Graphnet data to make clinical decisions every day.

Data is combined from 157 different systems across the county, spanning 9 organisations and 142 GP practices. The result is a rich electronic record which gives clinicians and care workers, no matter where they are based, up to date information about their patients at the point of care.

Makes it quicker for me to do my job

It makes it quicker for me to do my job, and ultimately that means I can sort out any queries regarding patient's medicines quicker so the patient is prescribed the correct and appropriate medication as soon as possible.

Community Pharmacist, Hampshire

Saves time and resources

I have found it particularly useful to access patients' lab results, radiology reports and clinical correspondence from Southampton Hospital. Having access to these saves time and resources.

Hospital Consultant (diabetes), Hampshire

Enables me to work closely with consultants in creating care plans

I use Hampshire Health Record for accessing consultant letters for my patients, enabling me to be up to date prior to my consultations with them. I also use it to access scan results and occasional blood results. It enables me to work more closely with the consultants in developing plans of care and keep track of previous medication changes.

Nurse Specialist, Hampshire

Helps me make informed decisions

It's invaluable when triaging or seeing a patient. I believe it gives me security to help make an informed decision; it provides the patient with confidence.

GP, Hampshire

The Hampshire Health Record

Sharing the data from 157 systems across 9 organisations and 142 GP practices



Interoperability

CareCentric is fully interoperable and is specifically designed to build on investments the NHS and local government have already made in IT systems.

We connect to most of the major health and social care IT systems being used in the UK, including the majority of GP systems.

High levels of connectivity means the number of systems sharing data is maximised, which in turn makes the care record richer and more useful. Graphnet has agreements to extract data from GP practices using EMIS, iSoft, INPS, TPP and Microtest systems.

ITK accreditation

The CareCentric messaging and portal products are ITK accredited.

We also have interfaces to:

- ✓ A broad range of departmental systems
- ✓ Multiple PAS and MPI systems
- ✓ Out of hours services (Adastra)
- ✓ Social service systems (PARIS, OLM, Liquidlogic, Northgate)
- ✓ Mental health and community systems (RIO)
- ✓ Specialist clinical systems (pathology, radiology, order comms, A&E, EDM etc.)

In addition, CareCentric can be embedded in third party systems and can call screens from those systems with single sign on and within patient context. Third party systems can also be embedded directly into the CareCentric health record. This is a key feature as it means that users can access patient details quickly from their everyday systems and they do not need to log onto or run multiple systems to see different parts of the record.



3rd party systems CareCentric connects to include:



CareCentric applications

Both commissioners and providers use CareCentric in many different ways to improve the quality of patient services, as can be seen by the examples below:



Acute hospital EPR

A number of acute Trusts use CareCentric as their primary electronic patient record. Poole Hospital NHS Foundation Trust assembles a single record from systems including PAS, pathology, radiology, scanned referral letters, A&E discharge information, neurophysiology results, medical photography and cardio respiratory results. CareCentric is also used to allow primary care and community users immediate access to secondary care information.

The Trust makes extensive use of CAMS clinical data collection screens, collecting information such as community falls assessments, haematology management plans, leg ulcer reports and epilepsy service reports.

At the specialist orthopaedic hospital, Robert Jones and Agnes Hunt in Oswestry, the system is used by 70% of staff to access and update the patient record. Clinicians and pharmacists combine to build multi-stage discharge documents from simple admissions to more complex orthopaedic conditions and these are transmitted electronically to GPs. RJAH also uses many CAMS clinical data collection screens, recording information such as tumour reports and spinal clinic records.

Within Portsmouth Hospitals CareCentric is used to access information received from pathology and radiology systems, as well as patient letters, digital dictation systems and PAS-provided ADT data. In addition to bespoke workflow systems supporting the medical admissions unit and management of radiotherapy care, data is also shared with the wider community through the Hampshire Health Record.

Reporting

The CareCentric data store collects and collates data from systems all over a health community. As well as providing the information for shared care records, this data is also used for reporting, analysis and research. The majority of Graphnet deployments make extensive use of these reporting facilities on both an ad hoc and routine basis – by pulling data directly from the store, or by feeding third party products such as local data warehouses and Crystal Reports. Several CCGs create data extracts for use in risk stratification and case management and screening programmes.

At Wolverhampton CCG, for example, data is used for a range of purposes including diabetes analysis, Quality and Outcome Framework reporting, and tracking childhood vaccination and immunisation uptake. The CCG also runs proactive reports on health issues as they are required.

Clinicians and data analysts at RJAH run large numbers of bespoke queries on topics such as botulinum toxin use in children and analysis of microbiology reports for spinal injury patients.

Cheshire & Merseyside CSU has used Graphnet extracts to report on enhanced services activity for payment purposes to NHS England, and for numerous pieces of work for the local CCG such as Quality Incentive Scheme reporting, data quality audits and reporting for CQuins. It also uses CareCentric for any relevant Freedom of Information requests.

In Hampshire, research projects have included looking at the quality of care and outcomes for patients with diabetes and the linking of GP records with elective surgery records to look at post-operative wound

infection rates. Another project involved examining variations in practice in GP testing of 17 to 25 year olds for chlamydia.

Integrated systems

Many CareCentric deployments are built around Graphnet's interoperability framework. This makes the shared care record callable from the various operational systems used across the health community and makes access to the records much faster. It also avoids the need for clinicians to log in to multiple systems.

As an example, many deployments including Stockport, Hampshire and Salford call the CareCentric shared care record from the Adastra system so that clinicians working in the out of hours service can see the wider health community record by pressing a single key within Adastra. Similarly GPs and other users of EMIS Web and InPS can call the shared record directly from their consultation screens. In the acute sector the same integration framework has been used to call CareCentric from Ascribe and iCM.



The CareCentric record called from the Adastra out of hours system



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