SystemC & Graphnet

Care Alliance

Working with you to transform health and social care

Our integrated set of solutions deliver seamless digital applications to the UK health and social care market.

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We are a British alliance providing a range of integrated IT solutions to deliver digital transformation across entire care systems.

Our products capture and combine information into single shared care records and support cross-provider collaboration and workflows, population health management, patient access and engagement. Many of our solutions can be used as part of a suite or stand-alone at an individual acute trust or local authority.

Taken together, they provide a strategic blueprint for digital excellence across an Integrated Care System.

Tech that helps deliver the following objectives:

- Remove paper
- Empower the person
- Safeguard children
- Reduce length of stay & A&E attendances
- Keep people at home
- Reduce health inequalities
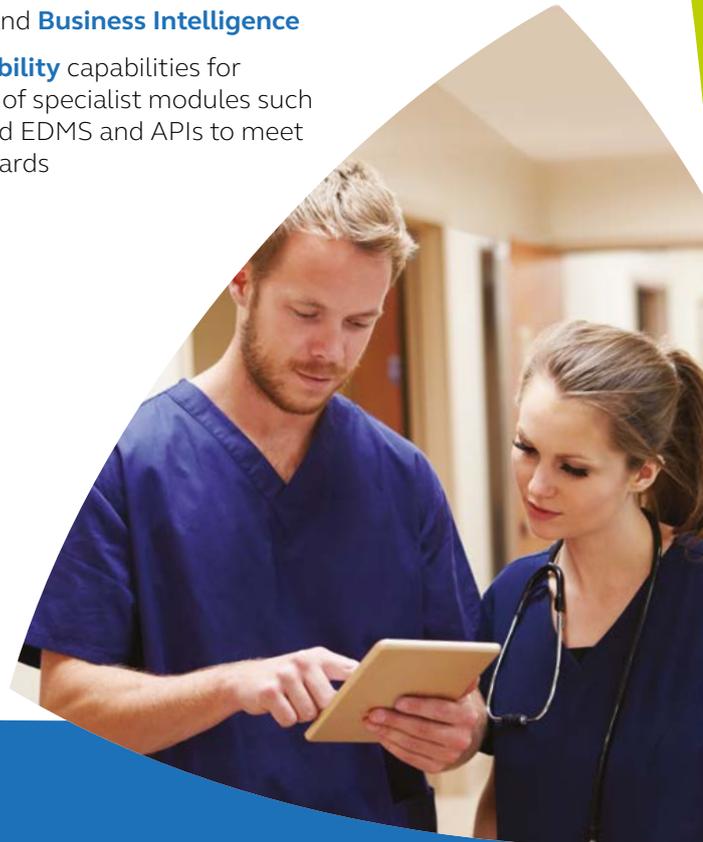- Improve outcomes and safety

Our Solutions

CareFlow Electronic Patient Record (EPR)

A comprehensive EPR, designed for the NHS to support workflows and care co-ordination within an acute hospital and across the wider care community. Because CareFlow can be deployed in a modular way, it has the flexibility to fit in with local priorities – whatever the existing level of digital maturity. But at the same time, it provides the power and capability to deliver wholesale service transformation.

Key features to choose from:

- **Clinical workspace** for a single view of clinical information with comprehensive support for clinical needs and the ability to enter information at the point of care

- **Patient flow** management, from preadmission to discharge

- **Clinical narrative** to integrate notes captured by clinicians in the acute setting, care professionals in community and information from patients

- A workflow-based **care planning** solution to support nursing staff and health professionals to deliver care built on an individual's care plan

- **Orders and results** with flexible result views to better support clinicians

- **eObservations** – improving the recognition and response to the deteriorating patient, including NEWS2 and sepsis and AKI management

- **Connect** - a communication and co-ordination solution providing mobile, team based care collaboration tools including support for handover, hospital at night, messaging, clinical photography and team to team referral

- **Patient administration** combined with functionality to support the needs of all care settings including emergency department, paediatrics, theatres, inpatients, outpatients and maternity

- **Analytics** and **Business Intelligence**

- **Interoperability** capabilities for integration of specialist modules such as PACS and EDMS and APIs to meet open standards

28
NHS Acute Trusts rely on CareFlow as their core PAS/EPR system

Liquidlogic is the UK's fastest growing supplier of software for Local Authority social care and education management services.

Social care

Our Liquidlogic range of social care software is the leading solution for both adults' and children's services. By integrating Liquidlogic with hospitals' systems, admission and discharge notices are sent directly from hospital systems into the social care workflow in real time. This helps ensure that discharges are managed smoothly and efficiently.

By linking to integrated care records, social workers can access a patient's health record alongside their social care data. Similarly, those in a healthcare setting are able to view social care information such as allocated case worker/carer, protection notice and care plans already in place.

Our joined-up solutions make us unique in our market and means we understand the requirements of all care settings.

Child health

Our CarePlus child health information software supports health assessments and immunisations for 0 to 19 year olds, usually for large footprint care communities. It has a comprehensive range of fully-integrated modules, which enable NHS organisations to track children from birth through to their transition to adult services. It also supports children with complex needs.

In London, for example, CarePlus Child Health is used capital-wide to provide a comprehensive electronic record of every child's public health records. It is combined with our shared record solution to broaden record access to health visitors and other authorised health professionals and create a single, seamless safety net to protect child health across 32 London boroughs.

CarePlus Child Health covers

6+
million children

equivalent to:
49%
of children in England

System C & Graphnet Care Alliance

Shared care

Our CareCentric shared care record integrates detailed information from acute hospitals, mental health and community organisations, GP practices and social care into a single digital care record. This information can be viewed at the point of care by authorised users, on smartphones, desktops and tablets.

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 all the major health and social care IT systems being used in the UK, including the leading GP systems. The software can be embedded in third party systems while other systems, such as PACS or EDMS, can also be called from within CareCentric.

We have extensive shared records in support of a number of Local Health and Care Record (LHCR) areas, including Thames Valley and Surrey and Greater Manchester.

Population health

Our population health platform uses the rich data held in our shared record to produce insight at the population, cohort or individual level. This insight drives actions such as enrolling identified individuals onto intervention programmes, where clinicians can drill down into the underlying shared care record and patients self-record onto their integrated personal health record.

Analytical tools measure the impact of interventions and the results are fed back into the shared record, closing the loop and creating a 360 degree solution.

Patient engagement

Individuals use our myCareCentric Personal Health Record (PHR) to gain secure access to their records, to services and health information. They also use it to communicate directly with care professionals.

Patient-entered information can be combined with information from wearables and smartphones for greater engagement. This information becomes part of the co-authored patient record and is shared with clinicians so they can monitor progress and devise new models of care based around the individual's needs.

Our system is used to manage

100%
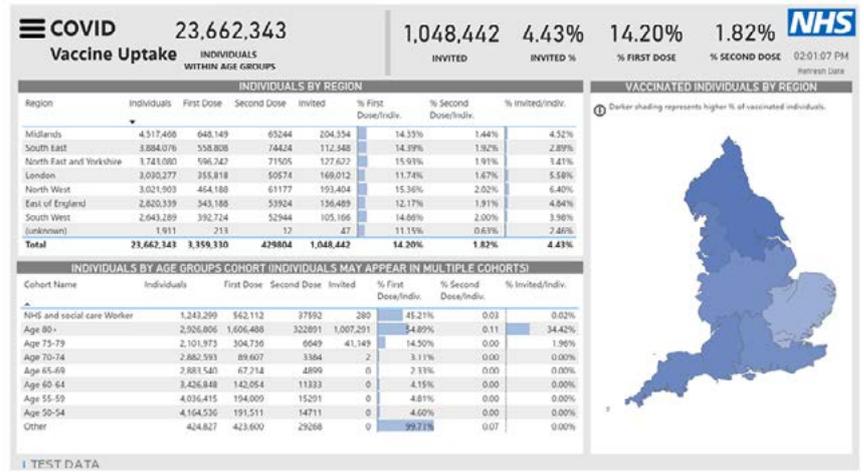Covid and flu vaccination data across the whole of England

Immunisation Management System (IMS)

The Immunisation Management System, provided by System C & Graphnet Care Alliance, supports almost every aspect of a vaccination service, from identifying and inviting individuals to be vaccinated, through to recording vaccinations as they are given.

It can also be used as a powerful analytical tool to interrogate and report vaccination data at local, regional and national level in real-time.

The system is responsible for delivering the national Covid-19 and influenza vaccination programmes, known as NIMS, covering vaccinations for the whole of England. NIMS processes vaccinations given at 1,500 sites and feeds the NHS data store which is used to inform vaccination centre operations.

The system also provides immunisation and child health services for over 6 million children in England.

Our blueprint for digital excellence provides the power and capability to deliver wholesale service transformation

The System C & Graphnet Care Alliance is delighted to be offering care providers from NHS trusts to Integrated Care Systems an approved blueprint for digital excellence.

Our blueprint covers all clinical IT within a hospital and across the care community, in a single solution. It consists of a combination of existing software, enhanced software, clinical content and a business change programme.

It includes:

✓ A mobile digital 'workspace', supporting clinicians throughout the care process, including clinical communication and collaboration, clinically tailored alerting and decision support, clinical noting, prescribing, orders and results

✓ A cross-community shared record, combining patient data and supporting collaborative working across settings and care communities

✓ Patient involvement and engagement – transforming services provided into new models of care.

Case studies

Innovative mobile technology to improve clinical efficiency and outcomes

Trusts using our mobile electronic observation and decision support system are realising considerable benefits around patient safety, care quality and hospital performance.

Studies show that using CareFlow Vitals, the infection control team at Portsmouth Hospitals NHS Trust has managed to identify and isolate infected patients before infections spread, resulting in a reduction in norovirus outbreaks by 95%.

Another study showed that it had sustained a 15% reduction in mortality, equivalent to 370 fewer deaths a year as a result of using Vitals. Similar results have been evidenced across a cohort of eight Vitals Trusts that were surveyed. These studies are peer-reviewed by bodies such as BMJ Quality and Safety, British Journal of Nursing and other research organisations. The introduction of our CareFlow Connect clinical communication platform at East Kent Hospitals has seen a 20% reduction of in-patients that develop Acute Kidney Injury stage 3.

Joined up health and social care in Islington

The London Borough of Islington and the Whittington Hospital are sharing patient discharge information electronically, with automated alerts from the trust's System C EPR into a Liquidlogic case management system. The automatic transmission of patient information makes it easier to ensure that vulnerable patients are discharged seamlessly into the community, with the right levels of support in place to meet their particular needs.

Unified child records across England

Child health records for over 5 million children living across London, West Midlands, South Central and South West regions are held on CarePlus, following NHS England's child health procurements. London is using CarePlus to deliver a capital-wide child health information service, which provides a comprehensive electronic record of a child's public health records and replaces 18 different child health records departments using 18 separate IT solutions. The programmes are helping provide a better quality of care to children, with improved efficiency, less scope for error and substantially reduced costs.

National Immunisation Management System (NIMS) for Covid and flu

We are providing the IT software for NIMS which supports the management of the Covid and flu vaccination programmes for 60m people across England. It is the National Immunisation System of Record for England and provides key data for NHS England and Public Health England.

Accelerated deployment of the Greater Manchester Care Record (GMCR)

Health and care organisations across GM fast-tracked implementation of the GMCR for 2.8m citizens to provide frontline professionals with vital information in the fight against Covid-19. The GMCR integrates data held by over 500 health and care providers to ensure that care professionals have the right information for improved decision making and outcomes.

Using shared care records to deliver Covid Oximetry @Home

Care professionals in Frimley Health and Care ICS and Berkshire West ICP are using their shared record to identify and reach out to those individuals in their population most at risk from the complications of Covid.

Patients can record and monitor their pulse oximetry readings and symptoms using their Personal Health Record app. As the app integrates with the shared care record, professionals can access the latest patient recordings, as they are taken. Targeting care to where it offers the greatest benefit.

Combined Intelligence for Population Health Action

The Cheshire and Merseyside region rapidly deployed Graphnet's population health platform to inform its response to the Covid-19 pandemic, including its management of the Liverpool mass testing pilot, population level planning and the targeting of direct care.

The deployment has been led by the Combined intelligence for Population Health Action programme (CIPHA).

System C & Graphnet Care Alliance

System C & Graphnet have formed a strategic partnership that is making integrated health and social care a reality.

Together we are:

- A leading supplier in acute EPR with 28 NHS Trusts

- The no.1 supplier in immunisation & child health (our system is used to manage Covid and flu vaccination programmes for the whole of England)

- The largest provider of shared care records and population health management systems to care communities and ICSs with over 20 million patient records held

- A pioneer in electronic observations with over 40 Trusts using our system

- The UK's fastest growing supplier of social care and education management services

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Connected Care

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