



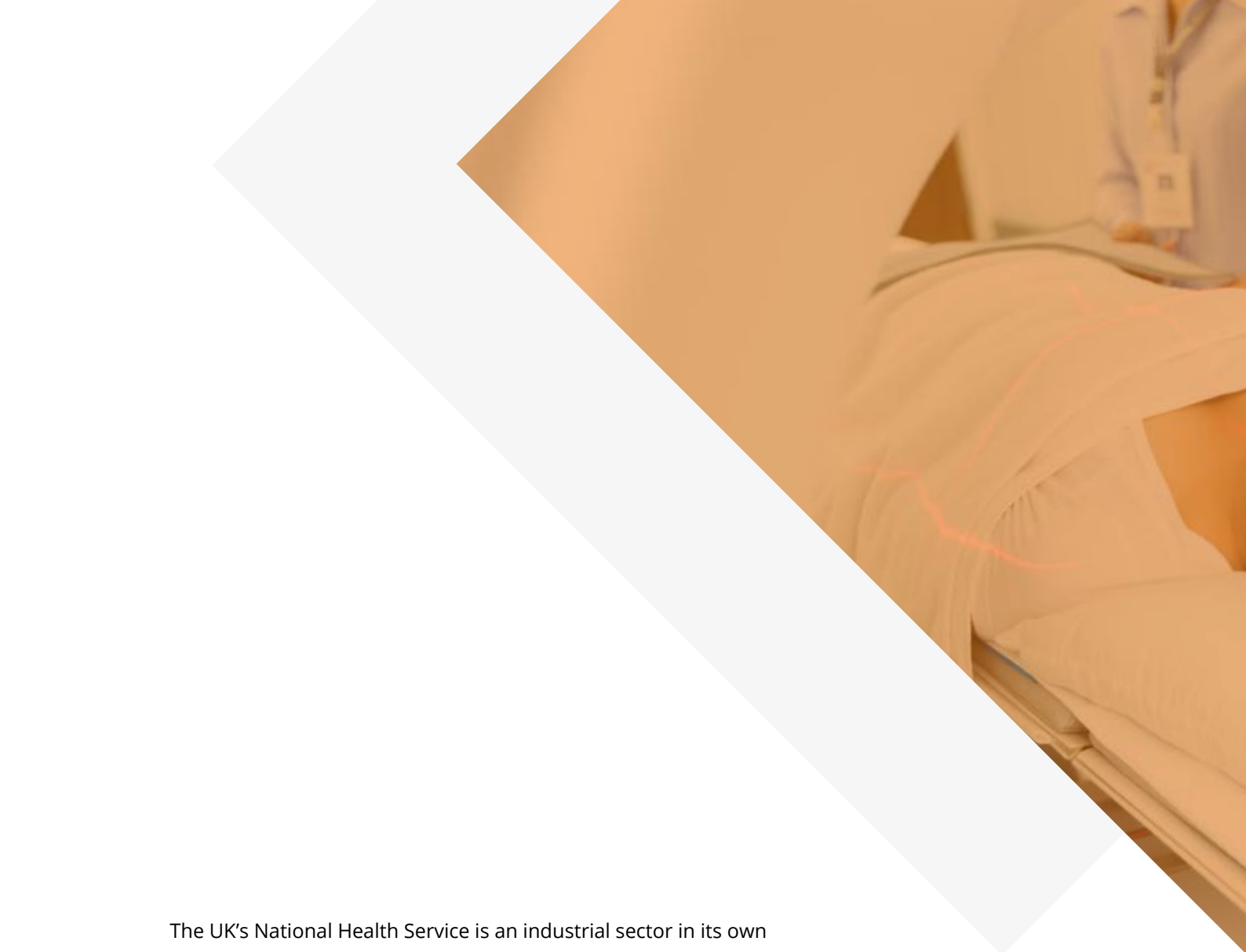
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**health data enterprise**

**Product Brochure**

**Real world solutions must be created in the real world**



The UK's National Health Service is an industrial sector in its own right. Established in 1948 as a key post-war social reform, the health services of England, Scotland, Wales and Northern Ireland now employ around 1.5 million, with tens of thousands more doctors, dentists, opticians and agency staff ensuring that the cogs in this vast machine keep turning.

As we all know, the NHS faces a number of problems on a daily basis. The UK's population is larger than it ever was and lives longer, due in no small part to the NHS itself. Changing lifestyle choices have created problems such as childhood obesity, while access to a greater wealth of medical information has altered patient expectations. To meet growing demands with limited resources, the NHS finds itself having to innovate in every sector in order to continually do more with less.

Yet innovation in such a large and complex organisation is easier said than done. No department, health authority or hospital can ever have a blank slate opportunity to simply shut down, ditch an old procedure and adopt a new one.

Innovations and improvements, while necessary and often eagerly anticipated, must slot seamlessly into current real-world practices or else they'll be bypassed or ignored entirely by busy staff used to the 'old way' of doing things.



## The power of data management

Insource is a UK-based supplier of enterprise data management solutions. Over a decade ago, it recognised this pressing need of the NHS to have a better way of handling data management and set about creating a solution that would ultimately become Health Data Enterprise (HDE). Insource's approach was to start at the bottom and work its way up, finding solutions to specific problems before integrating them into larger and larger organisations.

By doing this, it addressed clear demands for ways to drive down manual data handling and eliminate manual input errors by integrating and automating systems already being used within the NHS.



## Managing data in the real world

At a time when the rising demands of an aging population make spending on front-line services a priority, greater demands from more patients also result in increased administration costs.

Yet data management across the NHS has grown organically over time, without any single central plan of transforming to an all-digital future. Disconnected systems with very little commonality or interoperability rely heavily on manually inputted data and custom-built data connectors. An NHS report, *Challenging Bureaucracy\**, noted that the average cost to each NHS trust to create these bespoke links is over £5.6m per year. With around 200 trusts all doing the same thing, that's £2-3bn a year spent not on data processing, but just to make existing NHS systems capable of sharing it.

\*NHS Confederation 2013, Challenging bureaucracy, accessed 29 March 2018, <http://www.nhsconfed.org/resources/2013/11/challenging-bureaucracy>



## Ready for the real world

**Hull & East Yorkshire Hospitals NHS Trust** runs two hospitals and treats around one million patients each year. It has an annual budget upwards of £500m and employs 7,000 staff. Working with Insource since 2009, this trust wanted to improve data accuracy and deliver greater value by replacing manual effort with automated systems.

Taking an early version of Health Data Enterprise, the trust was able to provide valuable real-world feedback on its development. Data was automatically integrated from existing clinical systems while total confidence in data accuracy was achieved. HDE has since become the foundation of the trust's automated enterprise data management system and a key component of its 2020 digital strategy.

**South Warwickshire NHS Foundation Trust** runs Warwick and Stratford Hospitals as well as Royal Leamington Spa Rehabilitation Hospital. It treats around 490,000 patients a year, has nearly 4,500 staff and an annual budget of £268m. Since data automation was recognised as being key to letting this smaller trust improve efficiencies while operating within a tight budget, it turned to Insource in 2010. Its goals? To improve confidence in data accuracy, to deliver automated technology that removed manual effort and to standardise systems.

Eight years on and the trust has now deployed the whole HDE application suite, fully configuring it to meet its own exacting requirements, while also allowing the in-house creation of trust-specific software assets.

The lessons learned by both sides in these cases? That addressing key problem areas and finding ways to improve on them work best when they are applied to genuine issues. That real world solutions can only be created in the real world.

# Health Data Enterprise - trustwide, regional, national

For over a decade, Insource has been working with areas of the NHS to develop HDE as a data management system suitable for individual trusts as well as part of strategic regional or national initiatives.

The need was clear, with recent research showing the staggering lack of uniformity between core and operational systems in trusts and the unnecessary levels of manual processing and data transfer that these disparate systems require.

Health Data Enterprise is a modular, flexible system that can be integrated at a real world pace to provide real world solutions. From seamlessly connecting existing administration applications or regional sites to reducing manual data inputting, it creates efficiency that free up resources for other services.

HDE is a best-of-breed full enterprise data management suite that supports all current and future needs. It is software and data automation at every level, removing dependence on individual developers who, in the past, may have coded specific stop-gap solutions. Data interoperability across all core HDE components, in-house developed software and other external best of breed solutions allows trusts to reduce costs and provide better patient care by sharing or customising existing modules.

**Contact us** today to talk about how HDE can be applied in your trust or initiative.



health data enterprise

# Health Data Enterprise – a real world solution

- ◆ Twelve years in the making, HDE works because it has been created from the bottom up to solve the problems that the NHS faces on a daily basis
- ◆ HDE addresses all needs of individual trusts by providing a flexible and configurable system that automates and integrates existing systems as well as automating module development
- ◆ HDE is modular, allowing it to be adopted at a pace that suits. Parts, or all of the suite can be implemented at any time, allowing smooth change management as core systems are updated
- ◆ Using a cloud-based modular upgrade system, HDE allows modules and code developed by individual trusts to be shared, sharing valuable expertise and preventing wasteful duplication



Insource Ltd is a leader in data preparation and data automation solutions. Leading NHS Trusts rely on Insource's proven technologies to automate data preparation, enabling operational and statutory reporting, freeing up resources and time, and getting the insight into the data to improve services and patient care:

Doing more with less to increase efficiency.



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