Health Data Enterprise – a powerful healthcare data management platform

Insource's data management platform, Health Data Enterprise (HDE), is a digital platform designed to automate data processing, manipulation, and data consolidation. It enables teams to focus on harnessing the power of their disparate data, extracting invaluable insights, and making confident decisions that improve healthcare delivery.

Far more than a data warehouse

Far more than a data warehouse, HDE integrates any combination of PAS/EPR, clinical and operational systems to collect, validate and consolidate data. It identifies data quality issues, enabling organisations to get it right first time (GIRFT).

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It provides a single source of structured, unified data – free of the application layer – that gives organisations unfettered access to their fully validated data on which to base key clinical, operation and strategic decisions.

HDE provides a powerful data platform on which to base data management and transformational projects within trusts, health boards, across Integrated Care Systems or nationally.

Solution overview

With such a wide variety of data across a trust, in an array of different formats, it is essential that we bring this together in a unified, validated, single source of the truth. HDE enables us to accurately understand the reality on the ground and develop plans that make a real difference to patient care.

You can't manage what you can't see

HDE automates the collection of data from disparate administrative and departmental clinical systems. It extracts, processes, validates, and consolidates the information into a Unified Data Layer (UDL). HDE provides the ability to automate the production of statutory reporting (CDS, CSDS, ECDS, MHDS or SITREP's), operational management reporting, and delivers organisation-wide analytics and insights.

HDE's customisable nature against local or national rules means it can support any healthcare organisation – from acute trusts, specialty hospitals, community, and mental health to private providers.

Out-of-the-box functionality for fast time to value

Built entirely for healthcare, and with source system independence, HDE's out of the box functionality enables rapid deployments and configuration to suit any on-site requirement. From consolidating data across an entire trust or region, to automating the production of statutory or local reporting requirements, HDE can be scaled and configured quickly to meet single site requirements or comprehensive ICS goals.

Tackling health inequalities

Being able to identify health inequalities and address unwarranted variation in care is key to the NHS Long Term Plan.

HDE combines data from multiple data sources, including external sources such as the deprivation index. This enables an organisation to segment its population and easily identify and report on patients who may be at risk. HDE identifies those experiencing delays that may

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impact long-term outcomes, at an organisation, regional or 'place' level. These demographic characteristics can be combined with waiting list information, including clinical priorities, to ensure patients are identified and treated appropriately and equitably.

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Data assurance

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HDE contains an extensive rules engine and, through complex data handling and an inbuilt data quality module, HDE validates data, highlighting any data inconsistences. This provides organisations with the critical information needed to resolve issues and provide insight. HDE builds assurance on data accuracy, efficiency, validity, and completeness.

Delivering end-to-end patient care

Whilst the vision of ICSs is to build collaborative partnerships to aid the whole care cycle – from referral, to diagnosis, to treatment, to rehabilitation in the community – sharing of data across these services presents a huge challenge. HDE is already delivering end-to-end patient pathway management across acute, community, mental health, and independent providers as well as wider organisations. HDE provides a strategic platform for joined-up patient data across the whole eco-system.

Solution benefits - a vital foundation for a digital NHS

- Unified data layer for accurate insight and control
- Source systems data independence
- Underlying data foundation to PAS and clinical systems
- Supporting health inequalities
- Out of the box functionality for fast time-to-value
- Automated statutory returns catalogue for huge time saving
- Meeting NHS data quality targets
- Automated data validation and reporting
- Full elective care recovery solutions suite

Elective care solutions suite

Our powerful data management platform, with its integral unified data layer (UDL), provides an accurate, complete data foundation across the hospital, trust, or Integrated Care System (ICS) for informed decision-making, operational management, and strategic planning.

HDE provides the foundation for our comprehensive suite of elective care solutions. These encompass waiting list management, data validation services, capacity planning, analytics, process improvement and eLearning solutions. These integrated solutions, underpinned by our unified data platform, ensure a fast and targeted elective recovery.

About Insource

At Insource we bring the power of data to your organisation. Our leading data management platform seamlessly delivers validated, patient-level activity data from across the enterprise through our range of waiting list management, statutory reporting, capacity planning and other applications to help organisations manage their healthcare business more effectively.

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