

CareSolutions™ for Healthcare

A POWERFUL DATA MANAGEMENT AND
PROCESSING ENGINE TO ENHANCE YOUR
INFORMATION MANAGEMENT ENVIRONMENT

CareSolutions™ is the perfect solution for any Trust requiring a simple but effective means of achieving fast and reliable results focusing on data quality and integrity.

Our solution consists of a powerful data loading and management engine with extensive data quality measures applied to the data in its path from beginning to end. The end result is instantly accessible and reliable data available for the executive team and information and business analysts to report on.

The data quality features focus on NHS requirements and have been built hand-in-hand with Trusts, concentrating on the main functional areas within a hospital, such as A&E, Inpatients, Outpatients, Waiting Lists and other areas such as Radiology, Pathology, Critical Care and Maternity.

A very important feature of CareSolutions™ is the Referral to Treatment 18 Week Wait module that performs on the fly validation of Care Pathways. Complementing the system is a suite of operational and statutory reports to provide users with a dedicated business intelligence platform.

- Data Management

- ETL
- Data quality
- Data flow
- Other tasks



Data quality to meet your
business objectives:

- SUS submissions
- HRG payment grouper
- Patient tracker lists
- Activity & Statutory reports
- RTT 18 week wait calculations
- NHS business knowledge & Extended support

Features

DATA MANAGEMENT AND ETL ENGINE

ETL & Data Quality Engine

The ETL engine is highly flexible and applies comprehensive data quality filtering and auditing, making it the best on the market. Configuration is down to the individual data fields for various detailed checks including reference data lookup and conditional validation. Data sources, configured on the fly, include but are not limited to flat files, other databases and HL7. More than one concurrent ETL can be run using the multitasking and multithreaded platform that the engine is developed on. Pre-set configurations are supplied out of the box after an initial implementation.

Task & Process Engine

Workflows can be configured through the out of the box drag and drop graphical interface. The tasks that can be configured through this engine include ETLs, stored procedures and SSIS packages, notifications (email and mobile SMS) and specific data flows; all configurable through the same interface. Tasks within workflows can be scheduled and configured with interdependencies to ensure integrity to the required flow. More than one task or process can be executed concurrently through the multitasking and multithreading platform.

Generic Exceptions Manager

This module, supplied with pre-set rules allows further expansion to suit evolving user requirements. It captures business exceptions arising from technically valid data. Rules can be configured through the graphical interface and can be categorised by exception category, exception type, functional area, severity and a number of other properties. The module populates a common exception log table from which all parties can draw the respective exceptions falling within their domain through one common report.

11th Hour Data Cleansing

Data that cannot be corrected at source can be corrected post load. Users have an interface that offers pre-set rules and conditions that can be selected to update and correct data immediately, while fully auditing any changes effected.

Extending the engine's functionality

CareSolutions™ includes a set of standard functional tasks. Additionally, users have the option to include additional functionality as required simply by coding new routines. These include, but are not limited to, index rebuilds, backups, restores and data transfers.



Extending to 6PM's CareSolutions managed service allows us to leverage 6PM's knowledge of the CareSolutions product, utilise their breadth of technical skills and allow SaSH personnel to concentrate on the provision of Business Intelligence services to the Trust and external partners."

BEN EMLY,
Head of Performance
East Surrey NHS Trust

NHS SPECIFIC FUNCTIONALITY HIGHLIGHTS

The CareSolutions™ bundle is a comprehensive package of our data management, ETL and data quality engine together with specifically designed modules for the health sector. Additional functionality is available for use within any NHS Trust as explained below.

SUS Submissions

With this tool users can generate ready to go files for submission at the click of a button. Outputs can be generated in McKesson or Indigo4 formats. This module applies a number of pre-generation data validation and cleansing routines, through the ETL validation phase, the Generic Exceptions Module and the 11th Hour Data Cleansing Module. Once final extracts are generated, the system takes a snapshot of the data generated for retrospective reference. This is especially useful when a Trust is challenged by the Commissioners against activities submitted.

HRG Payment Grouper

This tool allows for the automated calculation of the HRG Payment Grouper against AE, Inpatient and Outpatient activities. This module is updated every financial year and also offers the user the option to run different versions of the HRG Payment Grouper against the same set of activities. The calculations are appended back to the original encounters.

Referral to Treatment [RTT] 18 Week Wait

The 18 Week Wait calculation module processes loaded encounters and performs comprehensive automated analysis to calculate timings against the 18 Week Wait referral to treatment. Potential breaches, waits, legitimate and false breaches together with pathway durations are only a few of the calculations performed daily. In addition the module also provides a daily report of any business or workflow issues encountered so that action will be taken.

Activity and Statutory Reports

The bundle includes a suite of over 120 reports. These reports cover the various functional areas of a hospital together with statutory returns (yearly, quarterly, monthly, etc.).

Business Knowledge & Extended Support

6PM is able to provide help and consultancy based on our knowledge and experience within the NHS and Health sector. 6PM also offers the option to upgrade to a Managed Service with CareSolutions™. This package is tailor-made according to your needs. Our Managed Services can range from a simple extended support contract up to a number of resources based on your site working hand in hand with the Trust's team allowing for business to run as usual.



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Whilst every effort has been made to ensure that the contents herein are correct, this document is to be considered to be solely for information and general guidance purposes. In particular, the features, characteristics and performance levels described in this document may depend on a number of criteria such as the specifications of the technical infrastructure put in place.

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AND FOR A PRODUCT DEMONSTRATION

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