

Medway Business Intelligence

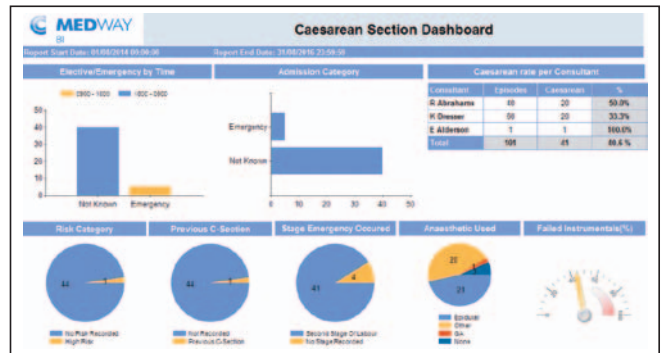
Real-time data for bed status, emergency care and inpatients enables patient flow to be managed via operational dashboards

Automates production of statutory reporting and Commissioning Data Sets

Highly flexible and configurable, ensuring local ownership



Maternity C section dashboard



System C's Medway Business Intelligence (Medway BI) is a healthcare business intelligence and data warehousing product. With a flexible, robust and powerful toolset, it can be used to create, manage and maintain highly-configurable reports and dashboards.

Medway BI is fully integrated with Medway EPR and can replace existing information management systems.

Data can be integrated from the other systems, cross linked with Medway, stored, analysed and presented according to local and national requirements.

Medway BI runs in a Microsoft environment, using SQL server, reporting services and analysis services.

Medway BI is built in the UK to current NHS standards which include complexities such as Referral to Treatment, Commissioning Data Sets, Contract Allocation, Maternity Services Data Set, Healthcare Resource Groups and the Prescribed Specialised Services Commissioning Tool.

Inpatient data quality dashboard



User benefits

Suite of report templates to get sites started with out-of-the-box reporting during deployment.

Extensive range of data quality dashboards, designed to support NHS reporting.

Architecture has no performance impact on operational systems. Kimball data warehouse structures are used to enable fast data retrieval.

Hospital benefits

Timely data refresh enables proactive monitoring of key national performance indicators, action can be taken prior to breaching.

Medway BI uses national NHS data dictionary standards and definitions with templates for national reporting.

Integrated commissioning functionality removes reliance on cumbersome manual processes around CDS production. Includes data modelling comparisons to impact assess annual HRG and contract changes.

Medway BI is capable of organisational data warehousing including importing data from external systems. This can have a cost reduction benefit enabling the retirement of existing data warehouse solutions.

Medway BI has customer-led user group directly contributing to product enhancements.

Integrated features

- Fully integrated with Medway EPR: full reporting dataset is available in near real time
- Live data feeds: subset of current Bed Status, Bed Flow, Emergency Care and Inpatients' Orders and Results data for patient flow management
- Parallel database: reports do not compromise operational performance of Medway EPR
- Industry-standard data warehouse methodology: Used for fast data retrieval
- Integrated active directory security: includes ability to anonymise and pseudo anonymise patient level data
- Template reports: pre-configured with a suite of standard operational, management and dashboard reports for out-of-the-box reporting during deployment
- Reporting tools: powerful and flexible reporting toolset enables the creation of reports, scorecards and dashboards. Supports both published reports and ad-hoc reporting
- External data: ability to integrate data from non-Medway systems
- Data extracts: locally configurable data extract capability
- Platform for complex analytics and data science
- Prediction: (developed in conjunction with Nottingham University Hospitals NHS Trust) for emergency care attendances and emergency admissions
- Flexible contract allocation rules can be amended to make contracting decisions on any data items, in any linked activity tables, without requiring a software update
- Regular product releases including National ISNs and product enhancements to support changing NHS requirements

Data visualisation

Optional data visualisation module, powered by Yellowfin, additionally provides mobile BI, advanced visualisations, geographical analysis and rapid content creation.

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