

# BIG DATA in Health – SMALL problem for DIVER

The following Case Studies illustrate how the Health Diver solution from Manitex has been dealing successfully with BIG DATA issues in Ireland for many years.

For example the Health Diver solution in the Mater Hospital stores almost **30 million transactions going back to the year 2000**. End users in the Hospital can navigate rapidly to detailed data with no special technical skills for analytical and reporting purposes, within agreed permissions allocated to their user account. **These case studies provide proven examples of the versatility and agility of Health Diver to provide a solution to any type of information requirement.**

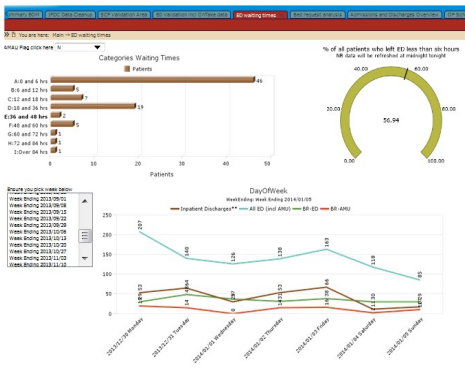
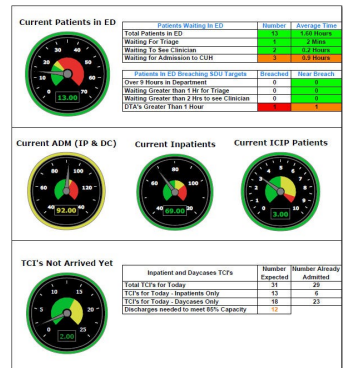


## Mater Misericordiae University Hospital – see [www.manitex.ie/mmuh.htm](http://www.manitex.ie/mmuh.htm)

- Executive Dashboard - immediate and accessible information on key National performance metrics, to enable informed decision-making on a daily basis. This helped achieve the Hospital's Quality Initiative goals by redirecting focus on the quality of care, which would not have been possible otherwise.
- It is accessed by senior management, dept heads, clinicians and clinical directorates, where it is used as the driver for internal management meetings.
- It improved awareness of management information that is available to the organisation and highlights the wealth of information now available to users.
- Health Diver covers all of the Hospital's reporting and analytical requirements.

## Children's University Hospital, Temple Street – Recent Highlights

- Covers all of the Hospital reporting requirements and the following specific tasks:
- Real time snapshot of the current IP, ED and Waiting List status is available via a Dashboard. The snapshot is generated 3 times a day and emailed to key hospital personnel, which they can also access via mobile phone.
- Hospital Balanced scorecard is updated monthly for the Management and Board.
- Real-time ED Dashboard which highlights breaches and near breaches of the ED Patient Experience Targets (PET).
- Theatre Management Dashboard to show monthly activity and utilisation.
- Clinician Advisory Portal is currently in pilot. This is a portal specific to each clinician, which provides access to their own activity from the various Hospital systems.

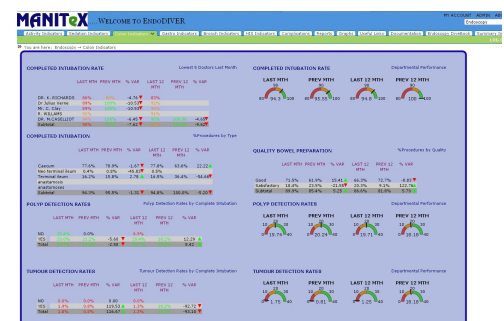


## Beaumont Hospital – Recent Highlights

- Executive dashboards are available in key strategic areas e.g. IP/DC, ALOS, OPD waiting lists, Bed capacity and demand, ED activity.
- Automated ALL statutory extracts to the SDU, BIU and NTPF
- Automated email broadcast of HR reports, significantly reducing manual efforts.
- Support of many internal research projects e.g., Impact of overcrowding in ED on mortality and morbidity; ALOS trends and links to Readmission rates; duplication rates in OPD referrals.
- Hospital wide analytics and reporting capabilities for end users.
- Established a Business Intelligence working group to foster a culture for information availability and access in the Hospital

## HSE National Endoscopy Clinical Information System – EndoDIVER

- Detailed clinical data on the patient's procedure is collected in real time by Endoscopy Doctors and Nurses. EndoDIVER offers the following features:
- National Quality Indicators can be viewed via an easy to use Dashboard.
- End users can access detailed information on all patient procedures for reporting, statistics and ad hoc analysis.
- Doctors use the system for detailed Clinical Audit and research purposes.
- Automatic daily transfer of required data to the National Cancer Screening Service (NCSS). Automatic periodic transfer of the data required by the National Quality Assurance Programme in GI Endoscopy.



**“Better Information – Better Decisions – Better Care”**

Health Diver is powered by The Diver Solution a product of Dimensional Insight Inc.

### About Manitex:

Manitex is a solutions focused supplier of Information Technology products and services to the Health market. We offer a range of Services, advanced Technologies and industry strength Applications that will enable our customers to modernise their Information Systems architecture, while maximising their current and future IT investments. **We specialise in delivering practical solutions to meet the real requirements of today in the Health market.**

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