Delphic

Business Intelligence

Maximise the efficiency and quality of your laboratory operation

Delphic Business Intelligence Solutions

Maximise the efficiency and quality of your laboratory operation.

Laboratory data is at the heart of healthcare decisions. Enormous volumes of data flow through laboratory information systems each day. Orders are received, specimens are tracked, results are entered and verified, and reports are returned to the ordering clinicians.

The established information stored in pathology databases can be extracted and analysed to increase knowledge and improve the ability to make intelligent business and clinical decisions.

Delphic Business Intelligence solutions assist in transforming your laboratory data into information.

Reporting Database

The Delphic Reporting Database stores and presents your daily data in a stable environment for long-term monitoring and analysis. Data is stored separately from your operational workflow to ensure it can be accessed and extracted with minimal impact on the performance of the Delphic production database.

Stored in a relational database, the data is easily accessible via SQL. With many modern business intelligence tools now including SQL capability, laboratories can pick whichever tool they prefer for performing data analysis.

The data can then be used to answer questions like: what test was performed, who requested it and who performed it; what method/analyser was used, when was it performed and how long did it take; what was the result and was it normal, abnormal, or significant in some other way; how many of these tests are performed per week, per month or per year, etc.

With this information, laboratory teams can track historical trends in processes and outputs. This knowledge can be used in clinical research, and to support business decisions, laboratory management planning and clinical decision support.

Delphic LIS → Delphic Reporting Database → 3rd Party Business Intelligence Tools → Data Analysis

Data transferred for analysis

- Patient demographics
- Request and test details
- Processing and result data

Analyse information to enhance:
- Lab operating efficiency
- Clinical decisions
- Future business planning
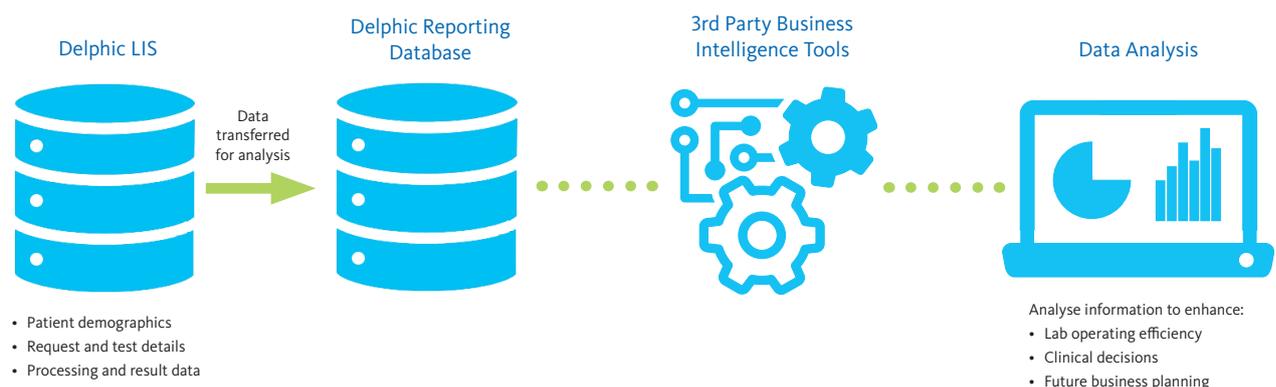
The Reporting Database Module includes a template database that can be extended to meet additional needs as required. These templates access the following data:

- Normalised Request Data (NRD)

- Patient Demographics

- Billing

- Dictionaries

- Workflow

- Reporting

- Auditing

Delphic

Custom Reports and Graphs

Delphic's Custom Reports Module is designed for laboratory and administration managers to extract and analyse business statistical information.

The Custom Reports Module includes the Report Library which is a set of commonly used database queries. These can be used as a template for creating additional reports or modified to suit your laboratory's requirements. LIS administrators also have the flexibility to create their own queries within the module and can choose to perform the query against either the Production or Reporting Databases

Queries can be scheduled or run on an adhoc basis. The completed reports are stored and can be viewed, printed, emailed, or exported as csv files making it easy to distribute data and reports to recipients.

The extracted data can be viewed on a line or bar graph within Delphic, providing instant visual display of key laboratory data, for example a turnaround time report. The graphs refresh every few minutes, updating the graph when new data arrives and providing a dashboard view for quick reference.

Business Intelligence | 3
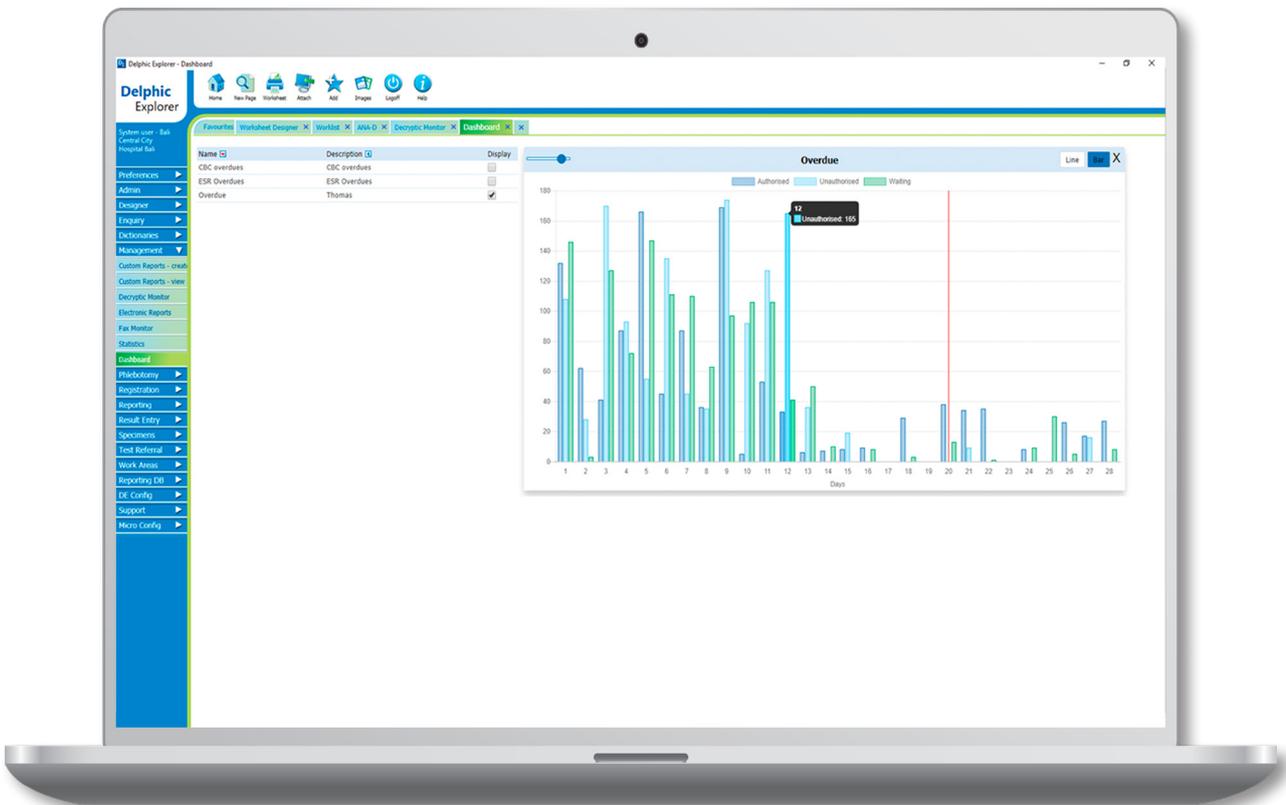
Delphic is an innovative system used by leading laboratories, backed by a highly experienced team of LIS developers and application specialists at Sysmex. Delphic aims to improve the quality and cost-efficiency of patient care by optimising the operation of clinical laboratories and maximising productivity.

Sysmex Australia Pty Ltd
info@sysmex.com.au
www.sysmex.com.au

Sysmex New Zealand Limited
info@sysmex.co.nz
www.sysmex.co.nz