Deepsee2 Analytics

LINC have worked in collaboration with colleagues in health boards and trusts via the National DeepSee Development Group, to develop and implement a new Laboratory Information Management System (LIMS) Business Intelligence (BI) system. This group, led by Philip Waters (BI Subject Matter Expert, LINC Programme) have developed a business intelligence solution to underpin pathology services. This innovative business intelligence model provides analytical information so that the right data is provided to the right user at the right time.

The InterSystems IRIS BI system, known locally as **Deepsee2**, replaced the previous LIMS BI System called InterSystems DeepSee and now allows laboratory staff to quickly search for data relevant to their needs.

The DeepSee2 Dashboards act as an information portal, allowing staff to filter for data relevant to them without the need for complex data querying skills.

Development of the DeepSee2 product was a lengthy process and is the result of a collaboration of nearly 50 Pathology staff across the various health boards and trusts, representatives from InterSystems and DHCW.
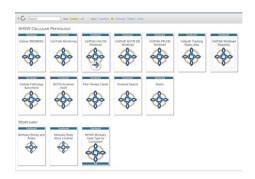
The aim of the project was to develop easy to use BI dashboards, with an intuitive design, customisable to meet the current and future needs of the Service. In addition, the platform contains a Deepsee Analyser that allows data scientists and analysts to produce complex queries.

The system is operational and planned further enhancements will provide additional service dashboards including:

- **Electronic Test Requesting dashboard** – To monitor the uptake of Electronic test requesting across the Welsh Health Boards and Trusts.
- **Covid dashboard** – A live list of recently produced Covid-19 results filtered by hospital or user defined group of patient locations.

Current list of Cell Path and Mortuary dashboards:

Comments by service users:

Domenica Lear (CTM MDT Coordinator) "I find Deepsee2, for what I need, works well. I am far more confident when using the Deepsee tool following Phil's training session"

Arthur Thomas (BCU Pathology Performance and IT Manager) "Deepsee 2 offers the same functionality as its predecessor, but in a more convenient, faster and easier to use format. I look most forward to working with Phil to develop further Welsh BI tools in the future"