Producers:

In fifteen years ago the legal and financial sectors to computerized systems; only now is the medical field consider electronic medical records (EMR) on a large with the introduction of EMR there is an unprecedented opportunity to capture data about patients. Adaptation of Business Intelligence (BI) software is relevant to the modern burns unit.

Digitalisation can be considered to be “information that has been captured in some schematic form, including attributes or for the units of information”.

De-identified data was uploaded to a secure business intelligence platform.

A password protected and interactive report was generated ‘Ten years in the Royal Adelaide Hospital Adult Burns Service’, this report includes interactive graphs/tables allowing the clinician to not only read but to interact with the presented data.

Data visualisations were embedded into the NBR (National Burn Registry) 2013 report, such that the public document was made interactive.

Results & Discussion:

The interactive report was published in July 2013. All publications for the RAH Burns Unit, including videos, powerpoint presentations, journal articles and websites can be included and viewed in a single secure password protected document.

The feedback we have had when demonstrating this tool both locally and internationally (with the NHS UK) is unanimously positive. The predicted growth in this sector is phenomenal (compound annual growth rate of 23.7 percent from 2012 to 2017)2

We propose a demonstration and discussion of this software. Future studies (for the 2014 ABA meeting) have been designed to construct a ‘user engagement/satisfaction’ likert scale, allowing the team to assess more accurately the engagement of users with an interactive data visualisation tool vs. the traditional static PDF.

References:
2. Markets & Markets 2013, viewed 02/04/13