

Zetaris



The Zetaris Healthcare Unified Semantic Data Model

Zetaris Case Study

Solution Summary

The Zetaris Healthcare Unified Semantic Data Model is the basis of the Zetaris Semantic Layer in the Networked Data Platform (NDP) and is fundamental to the development of all Zetaris solutions, including provision of a single connection for specialized analytics' platforms such as Dataiku and H2O.



The Zetaris Healthcare Unified Semantic Data Model enables Healthcare providers and hospitals to further differentiate and out-compete the market through improved data insights and the creation of additional value from new products and services, for both internal and external customers.

The ability to understand, extract and prepare data for analysis is the key enabler of this evolution in a hospital's capabilities. With this in mind, a hospital is in a unique position to capitalize and develop its analytics maturity, and to provide a dramatic shift in new business opportunities and support its corporate growth objectives. The Zetaris Healthcare Unified Semantic Data Model is also used as the basis of providing a hospital with an information architecture and a strategy roadmap for the implementation of future Information solutions.

Solution Continued

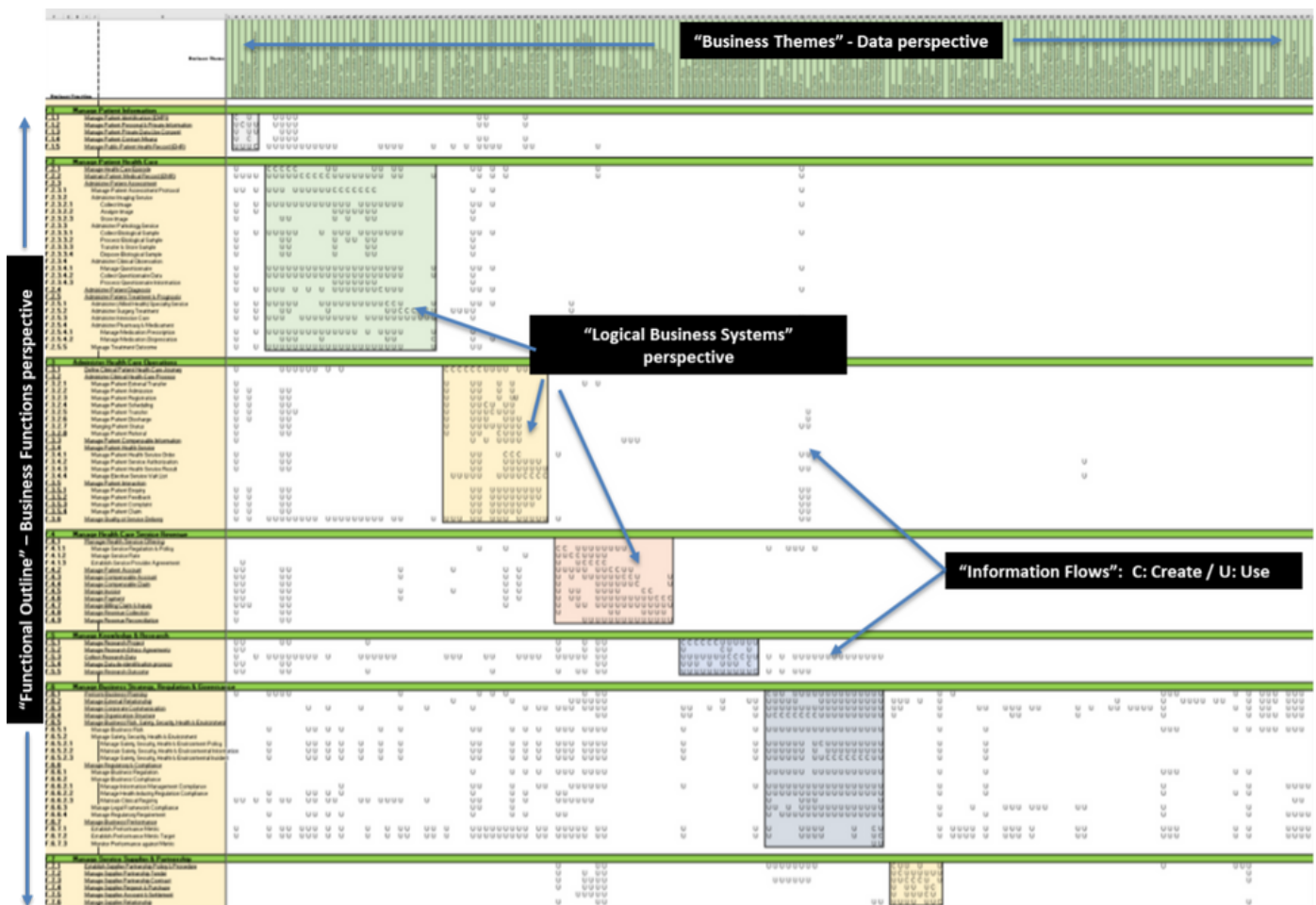
The Zetaris Networked Data Platform

It enables the hospital and Health provider to create and deliver deeper and tailored business insights for hospital managers, clinicians, and researchers at a much faster pace and a higher level of quality. Implementation of the Zetaris Semantic Layer with a standard data classification scheme and a common vocabulary and ontology such as SNOWMED, ensures that all organizational domains are speaking the same language.



Sample

A sample of the Zetaris Healthcare Unified Information Flow Model (IFM) is shown below:



Implementation

Zetaris Healthcare Unified Semantic Data Models have been developed and implemented for the following Core (11) and Support (7) business functional areas:

| CORE BUSINESS FUNCTIONAL AREA | | SUPPORT FUNCTIONAL AREA | |
|-------------------------------|---------------------------------------|-------------------------|---|
| 1 | Patient & Associated Industry Parties | | |
| 2 | Health Care Administration | 1 | Finance - Accounts Payable |
| 3 | Patient Medical record | | |
| 4 | Patient Clinical Observation | 2 | Finance - Accounts Receivable |
| 5 | Surgery | | |
| 6 | Elective Wait List | 3 | Finance - Financial & Management Accounting |
| 7 | Emergency Department | | |
| 8 | Patient Account | 4 | Finance - Program |
| 9 | Work Allocation | | |
| 10 | Incident | 5 | Vendor & Contract Management |
| 11 | Research Study | | |
| | | 6 | Human Resource Administration |
| | | | |
| | | 7 | Human Resource Remuneration |

Placement

The Zetaris Healthcare Unified Semantic Data Model falls under the category of Modernized IT as it provides a single connection point for all Healthcare use cases and solutions on the Zetaris Networked Data Platform (NDP), and for connecting specialized analytics' platforms such as Dataiku and H2O.





For further information visit:

