OmniLogos - Automated Application of Medical Knowledge to Clinical Data Accumulating Over Time

OmniLogos is a company engaged in the development, marketing, and sales of innovative systems for automated application of medical knowledge to clinical data accumulating over time. Its main objectives are to support management of chronically ill patients, provide quality assessment, reduce chronic-disease management costs for HMOs and large medical centers, and aid decision-making in clinical pharmaceutics trials.

Goals and Benefits

- To base decision-making on large sources of constantly accumulating clinical data;
- To represent and maintain relevant clinical knowledge for decision making;
- Assessment of compliance with established processes and guidelines, based on these data;
- Monitoring and early detection of alarming patterns in data.
- A Digital Library and Tools for Specification, Retrieval, and Application of Procedural Medical Knowledge
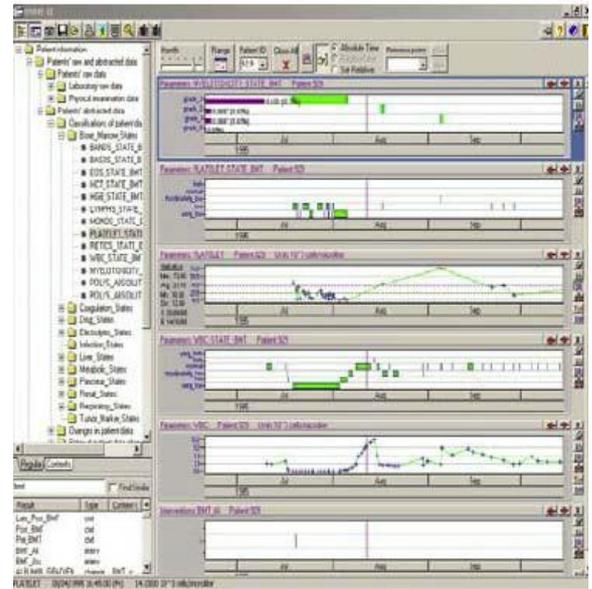
Potential Commercial Uses

- HMOs, insurance companies, and medical centers.
- The pharmaceutical industry.

The Market

- The medical market: the overall costs for managing chronic patients only in the US will surpass $1.3 trillion by 2020.
- The pharmaceutical market: At least 1500 clinical trials are managed concurrently every year by the industry means potential market size of $700M for OmniLogos.

Development Stage and Development Status Summary

The software is operational following beta testing at several medical institutes (including the VA Palo Alto Health Care System and Hadassah Medical Center's Hematology Department). Further development is still required to fully "productize" the platform and to construct a set of knowledge bases in several key clinical domains.

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