

## **HP Autonomy Unlocks Value of Clinical Data With HP Healthcare Analytics**

**Tuesday, February 25, 2014 12:45:00 PM (GMT)**

PALO ALTO, CA--(Marketwired - Feb 25, 2014) - HP (NYSE: HPQ) -- HP Autonomy today announced a new self-service analytics platform that gives healthcare providers a comprehensive and contextualized understanding of all forms of clinical data, including unstructured human information.

HP Healthcare Analytics is powered by [HP IDOL](#), HP Autonomy's sophisticated pattern-matching engine, and was developed in collaboration with Stanford Children's Health and Lucile Packard Children's Hospital Stanford, a global leader in pediatric and obstetric medicine based in Palo Alto, Calif.

HP Autonomy and Stanford Children's Health have partnered for more than a year to develop software that enables hospitals to more effectively and efficiently extract information and knowledge from their structured and unstructured clinical data. The initial results have already yielded valuable insights, and have the potential to improve quality of care and reduce waste and inefficiency.

Though the core mission of the Information Services Analytics team at Lucile Packard Children's Hospital Stanford is to enable operational insights from structured clinical and administrative data, innovation projects are also a key strategic initiative of the group. Dr. Jonathan Palma, medical director of Analytics at Lucile Packard Children's Hospital Stanford, is leading the collaboration with HP as a part of these innovation efforts, which could prove to fundamentally transform healthcare delivery by making relevant clinical information more accessible to providers.

The healthcare industry faces the enormous challenges of reducing cost, increasing operational efficiency and elevating the quality of patient care. For example, miscoded conditions, missed diagnoses and ineffective population of health-management programs result in suboptimal healthcare outcomes and billions of dollars of unnecessary cost. In just a single year, it has been estimated that Medicare paid \$47.9 billion of these unneeded costs.<sup>(1)</sup>

Traditional healthcare information systems have fallen short in addressing these challenges. These systems primarily focus on structured data -- such as emergency room admission rates, bed occupancy and length of stay -- which represents only 10 percent of total healthcare information. The remaining 90 percent of healthcare data is unstructured, in the form of text in patient records, doctors' clinical notes, emails between doctors and patients, and laboratory results.

This information is often an untapped and misused resource for healthcare providers. The information is in free-text form, often lacks standard nomenclature, and lives in different, isolated information systems. Also, this information is often merely digitized and archived, depriving providers of the opportunity to mine the data to identify key patterns and potential misdiagnoses, and to detect early-stage symptoms.

### **HP Healthcare Analytics -- Understanding data in the human information era**

HP Healthcare Analytics uniquely addresses these challenges by providing healthcare administrators, operations managers, physicians and quality-care specialists with an unparalleled, self-service view into their vast quantities of data. Based on HP IDOL, which recognizes concepts, ideas and patterns in all forms of data, HP Healthcare Analytics helps healthcare workers identify connections and trends in disparate data sources.

Healthcare workers for the first time can overcome the challenges inherent in human information, and will not be dependent or limited to myriad ways a doctor or patient may refer to a particular symptom, diagnosis or treatment plan.

This core capability has important implications. The platform provides healthcare workers with insights that reduce errors and unnecessary treatments, impact how delivery and treatment affects outcomes, and enable preventive measures that decrease the rate of avoidable diseases. The platform also helps to reduce costs by identifying and eliminating waste, streamlining workflow and elevating staff productivity by removing the skill barrier for accessing clinical intelligence.

HP Healthcare Analytics delivers a robust and integrated set of core and healthcare industry-specific

capabilities.

### **Core capabilities**

- Leverages HP IDOL, a proven search and analytics engine widely deployed in compliance-centric industries, including financial and legal, for deriving concepts, patterns and relationships from unstructured data.
- Enables robust data integration with standard healthcare information systems, in-house data warehouses, and other related clinical, operational and financial data sources. This spans more than 400 data connectors and includes support of more than 150 data types.
- Offers advanced security to safeguard data confidentially, and is HIPAA compliant.

### **Healthcare-specific capabilities**

- Addresses healthcare-related queries and generates actionable, visually driven analytical reporting via an industry-specialized interactive user interface.
- Integrates the Systematized Nomenclature of Medicine (SNOMED) taxonomy system, which contains more than 350,000 healthcare concepts and more than 2 million clinical concepts.
- Incorporates the International Classification for Disease (ICD) coding system that enables integration with industry-standard health information systems.

To ensure seamless integration with existing IT infrastructure, HP Healthcare Analytics can be complemented with a host of strategic service offerings including assessment, consulting, deployment and support services to address specific customer requirements, minimize disruptions and shorten time to benefits.

*"Until now, healthcare providers primarily used traditional analytics tools focused on the structured data within their healthcare systems, failing to analyze up to 90 percent of their information," said Dr. Alan Stein, vice president, Healthcare Technology, HP Autonomy. "The HP Healthcare Analytics platform helps healthcare organizations unlock information in everything from clinical notes to laboratory results, giving professionals practical, actionable insights that can yield improved patient outcomes and reduced costs and risks."*

### **Availability**

HP Healthcare Analytics will be available this March.

Additional information is available at [www.autonomy.com/healthcare](http://www.autonomy.com/healthcare).

### **About HP Autonomy**

HP Autonomy is a global leader in software that processes unstructured human information, including social media, email, video, audio, text and web pages. Using HP Autonomy's information management and analytics technologies, organizations can extract meaning in real time from data in virtually any format or language, including structured data. A range of purpose-built market offerings help organizations drive greater value through information analytics, unified information access, archiving, eDiscovery, enterprise content management, data protection and marketing optimization. Additional information is available at [autonomy.com](http://autonomy.com).

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(1) "[Medicare Paid \\$47.9 Billion for Unneeded, Miscoded, or Undocumented Healthcare](#)," The Center for Public Integrity, July 29, 2011.

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[HP IDOL](#)

**Countries:** US

**Industries:** Computers and Software, Computers and Software:Hardware, Computers and Software:Networking, Computers and Software:Software, Medical and Healthcare, Medical and Healthcare:Facilities and Providers

**Primary Identifiers:** HPQ-US

**Related Identifiers:** HPQ-US