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## **Isabel Healthcare, Inc. Announces Release of 2008 Version of Isabel Diagnosis Decision Support System**

*Isabel 2008 Improves Ease-of-Use by Streamlining Clinical Search Processes*

**Reston, Va.—September 21, 2007**—Isabel Healthcare, Inc., a Web-based system proven to improve the quality of diagnosis at the point of care, today announced the availability of Isabel 2008. Isabel 2008 features client-driven upgrades to its diagnosis decision support and knowledge mobilizing system.

Today, physicians are responsible for an ever-expanding patient volume. Isabel 2008 addresses this reality with added user efficiencies. The system now ranks the most common diagnosis results and provides details to help physicians quickly understand why the diagnosis was suggested. Both enhancements help physicians make diagnoses more efficiently and effectively. Additionally, all search results appear on a single page for consolidated viewing, important for busy physicians.

Isabel 2008 includes additional new features enhancing clinical usability:

- **Quick Consult - Read Up a Textbook:** Isabel now lets users search by free text and by diagnose name, via both the Quick Consult and the Detailed Consult sections. Results appear from scientifically credible information sources, such as widely read journals and the latest medical textbooks.
- **Why Did This Diagnosis Come Up:** For each diagnosis that the user is asked to consider, Isabel explains the query terms that matched.

- **Track Search History:** Isabel helps clinicians monitor what queries they have entered, results viewed and knowledge components clicked on.
- **Continuing Medical Education (CME) Accreditation:** Physicians can log all of their Isabel session activity, queries and knowledge components used, via the CME Capture feature. This enables clinicians to submit for CME accreditation.
- **Advanced Customization:** Hospitals and health systems can customize the Isabel interface and knowledge base to incorporate the organization's protocols and knowledge.

"Clinicians have increasingly limited time with patients, and simultaneously, must be familiar with an ever-expanding range of diseases," said Joseph Britto, M.D. co-founder and chief executive officer of Isabel Healthcare. "The updated Isabel system addresses both challenges by streamlining diagnostic-decision support processes. Isabel is the most efficient tool available for instantly converting patient symptoms directly into the 'currency of medicine'—clinical diagnoses. Isabel aids in preventing misdiagnosis, and in teaching problem based learning to medical students and residents."

According to the Patient Safety Foundation, approximately one in six patients personally experience a misdiagnosis during their lifetime. This typically occurs due to the cognitive error of premature closure – failure to consider all likely diagnoses. Isabel is proven to help physicians make accurate diagnoses at the point of care. Recent data suggests that in ten percent of reviewed cases, Isabel's technology led the physician to consider a major diagnosis they had not, but should have.

### **Pricing and Availability**

Isabel 2008 is Web-based and available for an annual subscription at \$180 per bed per year. No additional set-up costs are involved.

### **About the Isabel Diagnosis Support System**

The Isabel system allows physicians to analyze patient symptoms and clinical features. In a split second at the point of care, Isabel addresses the question clinicians frequently ask themselves: What are the diagnoses I should be considering? Isabel acts as an instant reminder system and aids the diagnosis process, however, it is up to the provider's clinical judgment to determine which diagnoses to investigate and treat.

Isabel works by applying the worlds leading natural language processing software from [Autonomy](#) to a specially designed medical database built from medical textbooks and journals structured around three separate and proprietary taxonomies. The database currently contains over 100,000 documents and associated knowledge kernels. Autonomy's strength lies in advanced pattern-matching techniques (non-linear adaptive digital signal processing), rooted in the theories of Bayesian Inference and Claude Shannon's Principles of Information, that enable identification of the patterns that naturally occur in text, based on the usage and frequency of words or terms that correspond to specific concepts. The data entry and system outputs are further processed by a complex interplay of approximately 40 proprietary algorithms in order to ensure that the end results are highly accurate and relevant.

### **About Isabel Healthcare**

Isabel Healthcare, founded in 2000 by Jason Maude and Dr. Joseph Britto, is named after Maude's daughter who almost died after a potentially fatal illness was not recognized by family and emergency room physicians. The Isabel system is comprised of two components: the Isabel Diagnosis Reminder System and the Isabel Knowledge Mobilizing System Given a patient's clinical features, Isabel searches a database of more than 11,000 diagnoses and 4,000 drugs to provide clinicians with a checklist of likely diagnoses and/or drugs that may be causing a patient's symptoms, as well as additional disease specific knowledge. The Isabel system, validated in clinical trials, is designed to improve the quality of diagnosis decision making at the point of care. For more information, please visit <http://www.isabelhealthcare.com>.

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