



## **ZyDoc Extracts ICD-10 Codes from Unstructured Text Optimizing NLP-Driven Computer-Assisted Coding (CAC)**

*ZyDoc, a New York-based technology leader in medical knowledge management since 1993, has announced ICD-10 computer-assisted coding (CAC) as the latest addition to its flagship MediSapien™ service at the 2011 AHIMA ICD-10 Summit. MediSapien is a web-based applications suite developed by ZyDoc that generates ICD-9-CM, SNOMED-CT®, RxNorm, LOINC®, and now ICD-10 codes in both inpatient and ambulatory health care settings. Utilizing natural language processing (NLP) and patent-pending technologies, the web-based MediSapien application automates the conversion of unstructured text from dictation, transcription, legacy documentation and semi-structured EHR reports into structured, meaningful data. This structured data, stored in the ZyDoc Clinical Data Repository, is optimized for data mining and export to billing and coding or analytic applications, and EHR insertion.*

Washington, DC ([PRWEB](#)) April 12, 2011 -- ZyDoc, a New York-based technology leader in medical knowledge management since 1993, has announced ICD-10 computer-assisted coding (CAC) as the latest addition to its flagship MediSapien™ service at the 2011 AHIMA ICD-10 Summit. MediSapien is a web-based applications suite developed by ZyDoc that generates ICD-9-CM, SNOMED-CT®, RxNorm, LOINC®, and now ICD-10 codes in both inpatient and ambulatory health care settings. Utilizing natural language processing (NLP) and patent-pending technologies, the web-based MediSapien application automates the conversion of unstructured text from dictation, transcription, legacy documentation and semi-structured EHR reports into structured, meaningful data. This structured data, stored in the ZyDoc Clinical Data Repository, is optimized for data mining and export to billing and coding or analytic applications, and EHR insertion.

MediSapien provides an integrated solution to the most pressing challenges faced by health care providers and ancillary service organizations as the industry transitions to new government-mandated structured coding terminologies required for EHRs, data interoperability and new billing standards. Developed by ZyDoc as an NLP-powered SaaS to enable clients across all health care sectors to capture, convert, share, and store data, MediSapien generates the required coding efficiently and requires no change in work habits of physicians, who can continue to dictate their medical encounters.

According to James Maisel, MD, ZyDoc Chairman, "Medicine is entering a new era of knowledge management initially promoted by financial incentives for EHR adoption and quality incentives, and then with penalties for non-compliance. Meaningful use for EHR certification currently requires some structured data and will mandate conversion to fully structured records. With Federal mandates for compliance with HIPAA 5010 looming January 1, 2012 and for full implementation of ICD-10-CM and ICD-10-PCS by October 1, 2013, action is required now. ZyDoc has released these structured data set solutions in time to allow partners to integrate their applications." Maisel continues, "Hospitals and providers that make the transition now, however, will enjoy a competitive advantage and benefit from solutions that improve patient care and outcomes, increase reimbursement, and lessen audit risk while increasing efficiency."



Prospective users for MediSapien services include the following organizations: health care providers and technology partners, medical transcription service organizations (MTSOs), EHR companies, RIS/PACS vendors, HIEs, billing companies, pharmaceutical companies, and health care analytics firms. ZyDoc will also partner with technology providers and integrators, medical data exchanges, and scanning companies to utilize MediSapien to support their constituencies. Maisel continues, "Without access to the technology needed to convert dictation into structured data, MTSOs face extinction due to EHR migration. However, by offering a path to EHR readiness, MediSapien not only levels the playing field for small practices, MTSOs and billing companies but also provides competitive advantages with seamless interoperability through the Verizon Medical Data Exchange.

"No facility," according to Maisel, "can afford to lag behind in adopting enabling CAC technology that will facilitate a smooth transition to meaningful EHR use and ICD-10 coding. The increase in the number of ICD-10 codes over ICD-9 is staggering and makes it infeasible to handle accurately with manual coding alone. Avoiding costly RAC audits will require traceable coding provided by MediSapien. Because ZyDoc and MediSapien bridge the knowledge management gap, we literally provide touch points across all sectors of the market."

#### About ZyDoc

Based in Hauppauge, New York, [ZyDoc](#) is a leading medical knowledge management company that was founded in 1993 to develop medical informatics technologies. Almost ten years later, after producing and selling those technologies, the company entered the medical transcription space. The company offers a range of services, with its new MediSapien™ product tailored specifically to assist ZyDoc clients and partners to meet the new standards and data requirements that are transforming the health care industry.

ZyDoc leverages information technology to provide medical knowledge management solutions for health care providers, hospital systems, health information exchanges, and pharmaceutical research. Award-winning services by ZyDoc feature ASP applications, EHR integration, HIPAA compliant data interchange platform, and proprietary Continuous Quality Improvement. The user-friendly web-based technology platform is supported by the U.S.-based ZyDoc Operation Center, which is operational 24/7. ZyDoc has garnered recognition from the medical informatics, speech recognition, and software industries, and in 2004, was ranked third nationally in its market segment by the Medical Records Institute. As a member of the Verizon Medical Data Exchange since 2010, ZyDoc will enable its transcription clients and other health care providers to share electronic information securely and reliably with other exchange participants. In 2011, ZyDoc continues as an industry leader in the development of cutting-edge cloud-based technology for medical knowledge management leveraging NLP technology.

A frequent presenter at health care association conferences, James M. Maisel, M.D. will be speaking next at the [AHIMA ICD-10 Summit and AHIMA Computer-Assisted Coding Summits](#) in Baltimore, MD, April 11-13, 2011. A full list of 2011 speaking engagements and ZyDoc exhibitor dates for conferences and trade shows is available at <http://www.zydoc.com>.

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