

MediSapien

Medical Knowledge Management Platform

MediSapien™ is an enterprise-class web-based platform for service partners to convert unstructured text into fully coded structured data. MediSapien accepts dictation or text from transcription vendors, legacy data and EHRs. The fully coded structured output, including ICD-10, is suitable for insertion into EHRs and facilitates interoperability. MediSapien also performs computer-assisted coding (CAC) for revenue cycle management companies and data mining optimized for health data analytics partners. The MediSapien platform supports independent application developers.

■ For MTSOs

Medical Transcription
Service Organizations

Expand service offerings to your transcription clients with MediSapien turn-key technology. Use front-end/back-end speech recognition, our advanced full transcription infrastructure platform, or just the MediSapien data structuring service.

■ For EHRs

Electronic Health
Records Vendors

Import narrative and populate fields with MediSapien structured data derived from unstructured end-user dictation, transcription, and semi-structured EHR text to differentiate your ONC-certified EHR. Increase user satisfaction by requiring no change in work habits and less training. Speed implementation by requiring no customized templates. Generate revenue by offering MediSapien users an easy path to EHR or empowering your clients with dictation.

■ For Billing

Billing and Revenue Cycle
Management Services

Reduce the manual cost of generating codes and leverage your knowledge workers. Additionally, offer billing services to MediSapien partner clients. MediSapien provides source documents with reproducible, verifiable ICD-9, ICD-10, RxNorm and CPT-4 codes from transcription, legacy data, and EHRs.

■ For Physicians

End-Users

Dictate encounters and obtain data for multiple uses. Reduce EHR keyboarding, streamline coding and billing. Gain multi-purpose search access to your data. MediSapien can help you attain Meaningful Use and \$44,000 or more in federal incentives by automatically extracting structured data from dictation and transcription, for insertion with narrative into your EHR.

■ For Analytics

Pharmaceutical
Data Mining

Obtain secondary data from your text for case managers, pharmaceutical studies, biosurveillance, trend analysis, and academic research. The MediSapien Data Repository includes millions of de-identified clinical records across all medical specialties from ambulatory and inpatient reports.

Speech Recognition

Transcription

Semi-Structured EHR Data

NLP

Natural
Language
Processing

Identifying data: 7, 31, 18 This 92-year-old white male presents for evaluation of tearing OD. We previously evaluated him in 2007 at which time he was diagnosed with a **glaucoma** of the right upper **quadrant** and **partial ectropion** with secondary tearing. He subsequently saw Dr. Jones who resected the skin **margin**. His tearing has persisted OD. The left eye is relatively asymptomatic.

past medical history: **Glaucoma**, **cataracts**, **asthma**, and **hypertension**.

family history: **Cataracts**.

medications: **Propranolol** and **aspirin**.

allergies: None listed.

social history: Negative. MENTAL STATUS: Normal. ACUITY: 20/25 OD, 20/30 OS. PUPILS: 2 reactive to 5 OU without afferent defect. MOTILITY: Full. EXTERNAL EXAM: An old surgical scar is noted on the right upper eyelid. Prolonged eye disappearance test OD with minimal prolongation OS. There is **partial ectropion** involving all four eyelids. Normal intraocular anatomy. Lacrimal irrigation demonstrates that the right lacrimal system is patent. SLIT-LAMP EXAM: Implants OU. Trace SPK OU. PRESSURE: 9 OU.

impression: Right tearing secondary to upper and lower **partial ectropion**. We have discussed the management options including observation and eyelid surgery. The nature and risks of partial ectropion **repair** of the right upper and lower **quadrant** in an office setting have been discussed including operative failure, persistent symptoms, scarring, **bleeding**, infection and **loss of vision**. He is currently deciding whether he is sufficiently symptomatic to proceed in which case he will call to schedule the office procedure when he has a driver available. Otherwise, he is planning to continue his eye care with Dr. Mark Smith. Page Two - 1-3-11 I have personally examined this patient and formulated the treatment plan. Edward Smith, M.D.

Structured Coded DATA with NARRATIVE Text

ICD-10
ICD-9
CPT-4
SNOMED-CT®
RXNORM
LOINC®



Billing • Search • Analytics •
CDA/CCD/CCR Exchange

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