

First Look At Integrated Medical Summaries By Telegenisys

Telegenisys announces integration of summaries into a combined patient record so that summaries can be audited and examined in the context of medical records.

FAIRFIELD, CALIFORNIA, USA, June 9, 2021 /EINPresswire.com/ -- Telegenisys found a remarkable difference in comprehension of medical data when summaries are integrated within a unified medical record. Every medical summary delivered by Telegenisys includes:

- Microsoft word document with deep links into the medical record.
- Unified, organized and referenced medical record.
- Structured data in the form of a spreadsheet also deep linked into the medical record.

When we prepare medical visualization presentations, this includes a powerpoint presentation of the medical record.

By exposing medical analytics behind our summaries, Telegenisys makes

summary assertions easy to understand, fully referenced and comparable to doctors' notes.

When structured data is used correctly, our clients can compare patient groups (for research or mass tort cases).



Image 1 - Descriptive bookmarks for faster review

Development of the integrated summaries has taken several years of experience doing thousands of summaries for a variety of reasons. Our clients prefer to have our substantial medical analytics background that fully exposes the non referenced opinions of “experts”.

Integrated summaries feature multiple formats so clients have information they need in the form they want to read it:

- Descriptive bookmarks for faster review.
- Referenced medical data for deeper comprehension.
- Structured data for comparative analytics.
- Missing records analytics showing treatment gaps & missing diagnostic chains
- Competing opinions exposed for medical malpractice cases
- Time span analytics to show first mention and last mention of diagnostics, drugs and assessments.

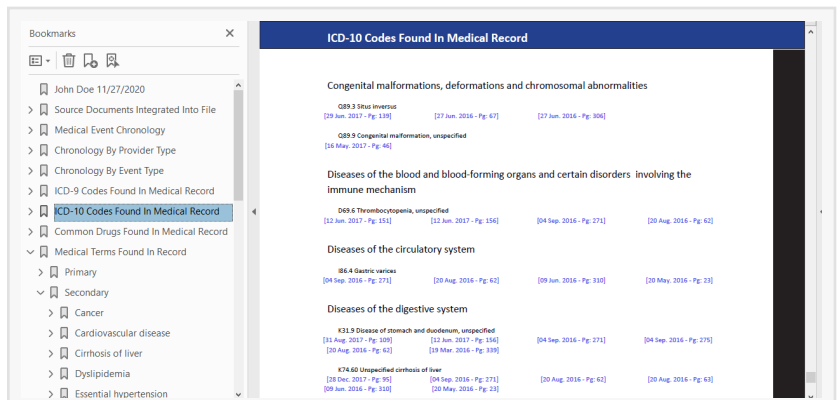



image 2 - Assertion in bookmarks



Date/Time	Source	Facts	Notes
		Cerebrovascular Accident	
02/10/2017	St. Peters Hospital, Aaron Seth, MD, Neurology	Found lying down unconscious by wife. Right-sided weakness and aphasia. Seen in ED. CXR showed cardiomegaly and diffuse interstitial prominence suggestive of interstitial edema. Retrocardiac atelectasis or infiltrate. A small left effusion is difficult to exclude. Hypoventilation. CT head at ED showed focal left frontal area of encephalomalacia and cortical loss c/w infarction of indeterminate age. Platelets 125 (150-400), creatinine 1.41 (0.72-1.25), eGFR 58 (>60), glucose 130 (70-105). Dx as acute ischemic left MCA stroke. Medfrighted to hospital. Admitted. Acute ischemic left MCA stroke. Carotid artery stenosis with cerebral infarction 8 weeks ago. Global aphasia. Right sided weakness (flaccid paralysis). Tissue plasminogen activator administered. Dysphagia due to recent stroke. CT angiogram neck and CT angiogram cerebral showed complete occlusion of the left internal carotid artery just distal to carotid bifurcation. Reconstitution is seen of the supraclinoid ICA, likely via contralateral circulation by the anterior communicating artery. Right frontal and occipital encephalomalacia. CT brain perfusion maps showed large penumbra in the left ACA/MCA territory with artificial core at the site of frontal encephalomalacia. The delay ed filling of the left ACA/MCA territories and diffuse increase in mean transit time throughout left ACA/MCA territories is c/w occlusion of the left internal carotid artery, which reconstitutes the supraclinoid segment, likely from contralateral circulation via anterior communicating artery. No evidence of acute infarction. CT head showed the lateral margin of the left lentiform nucleus is not well visualized and could represent an area of ischemic injury/infarction. No acute intracranial hemorrhage. Left occipital and left frontal lobe encephalomalacia. Mild global cerebral parenchymal volume loss seen. CXR showed mild enlargement of cardiac silhouette. Curvilinear lucency along the left lung apex is felt to be projectional, likely related to outside skin rather than true pneumothorax.	Pg 144
02/11/2017	Microworld Laboratory	Swallow exam with within normal limits. CT head showed stable findings compared with the prior study with a focal region of brain encephalomalacia involving the left frontal operculum cortex and a smaller lesion involving the left medial occipital lobe. No new findings seen. Platelet 126. PT 15.1 (12-14.7).	Pg 123
02/12/2017	Radiology	Cranial nerve exam showed mild right facial droop. Right hemiparesis and global aphasia. Platelet 125. Failed swallow study. CT showed old infarcts in the left frontal operculum and left occipital pole. No acute intracranial process identified.	Pg 56
02/13/2017	St. Peters Hospital.	Motor strength 5/5 on the left and 2/5 on the right. HbA1c 5.6%. Platelets 138. LE venous duplex	Pg 57

Summaries for Life Expectancy Certificates

This unique level of depth in legal medical analytics is impossible to achieve without custom software built by Telegenisys called VMR (Visualize Medical Records). If you work with medical records there is no better source of professionally developed [medical summaries](#) than Telegenisys.

(See: image 1 - Descriptive bookmarks for faster review)

Advantages:
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Rapid audit of every assertion in the summary:
All the points noted in the summary are hyperlinked to the original record for you to evaluate and get further details if required.

records are bookmarked and indexed and the exact record is available at a click if you know which provider you are looking for or the dates the events took place on. To make it easier the record is put in a Narrative summary within the pdf. This summary gives the overall picture, hyperlinks the more notable events.

Use cases for Telegenisys Summaries

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Medical summaries are extensively used by insurance underwriters, lawyers, legal nurse consultants, pharmaceutical and clinical studies for various purposes. Medical records review requires detailed probing into every record pinpointing every nuance of a disease and its comorbidities to highlight its fiscal risk or disease progression. Telegenisys has multiple formats that can be customized to the user's requirements.

The narrative summary format gives the details of the most pertinent documents in the medical records.

1) Healthcare types

a) Patient intake – By this process healthcare organizations acquire demographic and clinical data, insurance details, consent forms, last appointment, about both new and returning patients before providing the next visit date. This process cuts down wait time at the clinic, reduces interaction with too many patients, and all paperwork is ready before the visit to enable the provider to give the patient the best service and care.

b) Revenue cycle – Organizations need to collect patient accounts and these have to be followed up with proper documentation. Collection of billing records and associated medical records are summarized.

c) Patient audits - Audit and feedback is a common practice to improve processes with regard to patient care. Audits include medical records showing wait time to meet a provider, type of treatment, improvements with the provided treatment. These audits show the availability of service providers, counselors, facilities to provide education, etc. The summary results are organized into a readable matrix to help ease the reviewer's effort in organization and focus on the review.

2) APS summaries for life insurance – APS or Attending Physician Statement is something that the insurance company requests to assess the risk involved in insuring an applicant and to set the premium. An APS helps the underwriter to review medical records for a policy. This is not a statement about the applicant's health from the doctor but a summary of records for a particular time like the last 3 years. If the applicant has seen multiple providers all the APS are organized into a summary that is more comprehensible to the underwriter.

3) Summaries for [Life Expectancy Certificates](#) - For life certificates, abstracts are structured to provide underwriters ready-to-use text, ICD codes, and references with hyperlinks for instant access into the medical record to get context for each portion of the abstract. Telegenisys creates life expectancy abstracts with a custom data set that includes ratable conditions and comorbidities become clear. These data probes allow underwriters to move faster through the medical record by viewing the full chronology of each rateable condition mentioned in the record.

(See image 3: Summaries for Life Expectancy Certificates)

4) Personal Injury Support Summaries - Cases involving injuries and deaths caused as a result of negligence. Telegenisys helps summarize the content of the records, preparing and presenting exhibits, establishing the extent of the injury and the losses thereafter, questioning for a deposition thereby create a non-contestable compensation demand.

a) Claims:

i) Workmans Comp – Workplace accidents

ii) Liability Claims – These include defective product claims, premises liability, or any other manufacturing negligence that causes harm to the claimant.

iii) Health Insurance – Health insurance is a way to pay for healthcare services. It helps pay for high-cost treatments that are otherwise not affordable by the insured.

iv) Others – These include air or water accidents, food poisoning from consumption of food at a restaurant, burns, spinal cord injuries, and other accidents.

(See: image 4- Other summary example)

5) Mass Tort Support Summaries & Analytics – Mass Tort spreadsheets are backed up by our medical data analytics engine. The summaries are specific to the pre and post-use of the defective product/service. The analytics module helps to compare the symptoms of hundreds of individuals to examine the patterns in medical data.

6) Malpractice – Misdiagnosis, improper treatment, surgical errors, pharmacy errors, mistakes in the medication, defective product.

7) Property liability – slip and falls

8) Vehicular accident - Motor vehicle accidents

9) Wrongful death due to negligence - Death or loss of loved one due to negligence of others.

Telegenisys uses summary blocks:

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(See: image 4 - comment box)

Comment box referencing means organized data is presented as snippets of what occurred in a report. These comments are added based on the observation of the signing physician copied from the report for quick referencing. If something interesting catches your eye click on the comment and read the details in the original report that opens up. If there is nothing interesting you scroll ahead. This is aimed at keeping analytics as simple as possible.

Comment boxes can be sorted to suit the user's requirement. The following options are available:

- Page Number
- Author
- Date
- Type
- Checkmark Status
- Color

Methods and Practices in creating Telegenisys medical summaries:

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Using the Visualize Medical Records Application, all events are arranged chronologically by date and time from the onset to the latest available record.

The providers are referenced and verified using the provider's NPI registration and declared specialties (taxonomy codes). Every medical condition with available ICD 10/9 Billing code references is sourced from the files. Every medical abbreviation is elaborated and referenced. FDAs National Drug Code references are used to verify drugs.

Data Security & Privacy:

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Telegenisys is an externally audited HIPAA compliant, ISO 9001 and ISO 27001 certified provider of medical reviews for clinical research for different diseases, chronic disease management, life underwriting, personal injury evaluation among others. All PHI and personal information found in the records are deleted once the output is returned to the owner of the records.

The end product you can expect:

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Organized and indexed pdf file with all the available records in their original order. Integrated summary with hyperlinks to the original records. Structured data in spreadsheet with analytics available as requested.

About Visualize Medical Records:

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Visualize Medical Records software has been developed over the last two years and is being continuously upgraded with new features to empower the users with time-saving and quality output. Telegenisys help in organizing and indexing thousands of pages of digitized medical

records to enable quick reviews and make informed opinions. VMR sorts the jigsaw puzzle of jumbled medical records in pdf formats and converts it into an organized [medical chronology](#)/summary. The organized record is available electronically and stored in a secure cloud storage facility provided by Telegenisys, so it can be accessed easily via any device at any location.

Company:

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Telegenisys Medical Technologies Group is a division of Telegenisys Inc. a Delaware company with primary offices in Fairfield California. The group operates on two continents with a second office in Pune India. This group has worked with medical records for over 15 years and works on over 2 Million medical record pages per year. The group is composed of a variety of medical personnel and data scientists. The primary purpose of the technology group is to develop simpler ways to understand and measure medical outcomes.

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